

LETTER OF INTENT

Letter of Intent

Associated Bank intends to purchase and develop the parcel located at 7718 Mineral Point Road, for utilization as a 10,430 gross square foot full-service retail branch bank with a detached canopy providing three drive-thru teller lanes and one drive-thru ATM lane. The retail branch building will be a two-story structure with a partial basement, and will be constructed with high-quality materials, principally brick, locally-sourced stone masonry, and clear anodized curtain wall. The branch provides a work environment for twenty-nine bank colleagues, and will be open 6-days a week for a total of approximately fifty hours per week.

The site is currently developed as a single family home on a lot zoned as Commercial. The northern portion of the parcel is zoned as Agricultural, and was recently annexed to Madison from Middleton. Our applications include a request to rezone the parcel as CC-T. The existing site is steeply graded, with most of the site grades located below the elevation of the adjoining streets. The site will be regraded as part of the development, to bring it into alignment with the adjacent streets. Several mature trees occupy the site, and the design has been adjusted to protect and preserve the maximum number of existing trees.

The bank intends to complete Construction Documents approximately twelve weeks after Plan Commission approval, and intends to begin construction during calendar year 2020. A seven month construction duration is anticipated. The design team is comprised of Rinka, Inc. of Milwaukee as the Architect of Record. The Engineers of Record will be Spire Engineering (Structural Engineering), Kapur Engineering (Civil Engineering and Landscape Architecture) and JDR Engineering (MEP Engineering). CB Richard Ellis will function as the Owner's Agent. A General Contractor will be selected after the completion of Construction Documents.

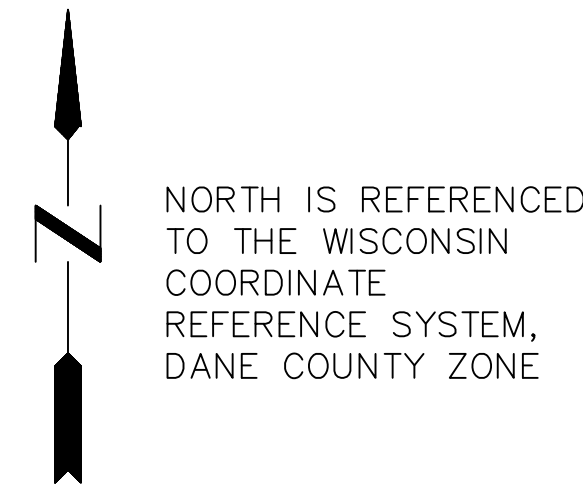
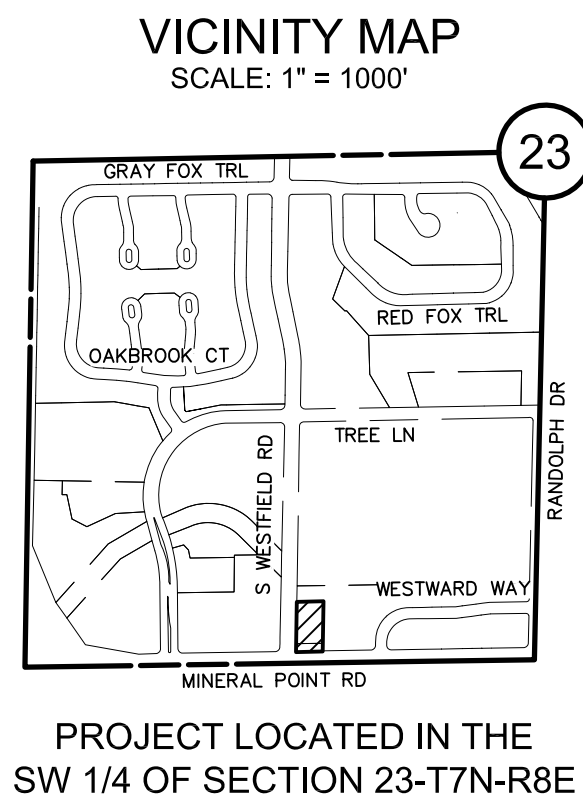
ZONING MAP AMENDMENT: LEGAL DESCRIPTION

Legal Description

Part of the Southeast Quarter of the Southwest Quarter of Section 23, Township 7 North, Range 8 East, in the City of Madison, Dane County Wisconsin, bounded and described as follows:

Commencing at the South Quarter Corner of said Section 23; thence South 89°09'28" West coincident with the South line of said Southwest Quarter Section 1244.48 feet to the point of beginning for this description; thence North 01°02'27" East coincident with the east right of way line and it's extension for High Point Road 317.24 feet; thence North 88°42'22" East coincident with the south line of Lot 1 Westward Woods Replat 137.04 feet; thence South 01°02'27" West coincident with the West line of Lots 1 and 2 of Westward Woods Replat and its extension 318.33 feet to a point on the south line of said Southwest Quarter of said Section 23; thence South 89°09'28" West coincident with said south line 137.00 feet to the point of beginning. This description contains approximately 43,512 square feet or 0.9989 acres of land.

Proposed Zoning District is CC-T

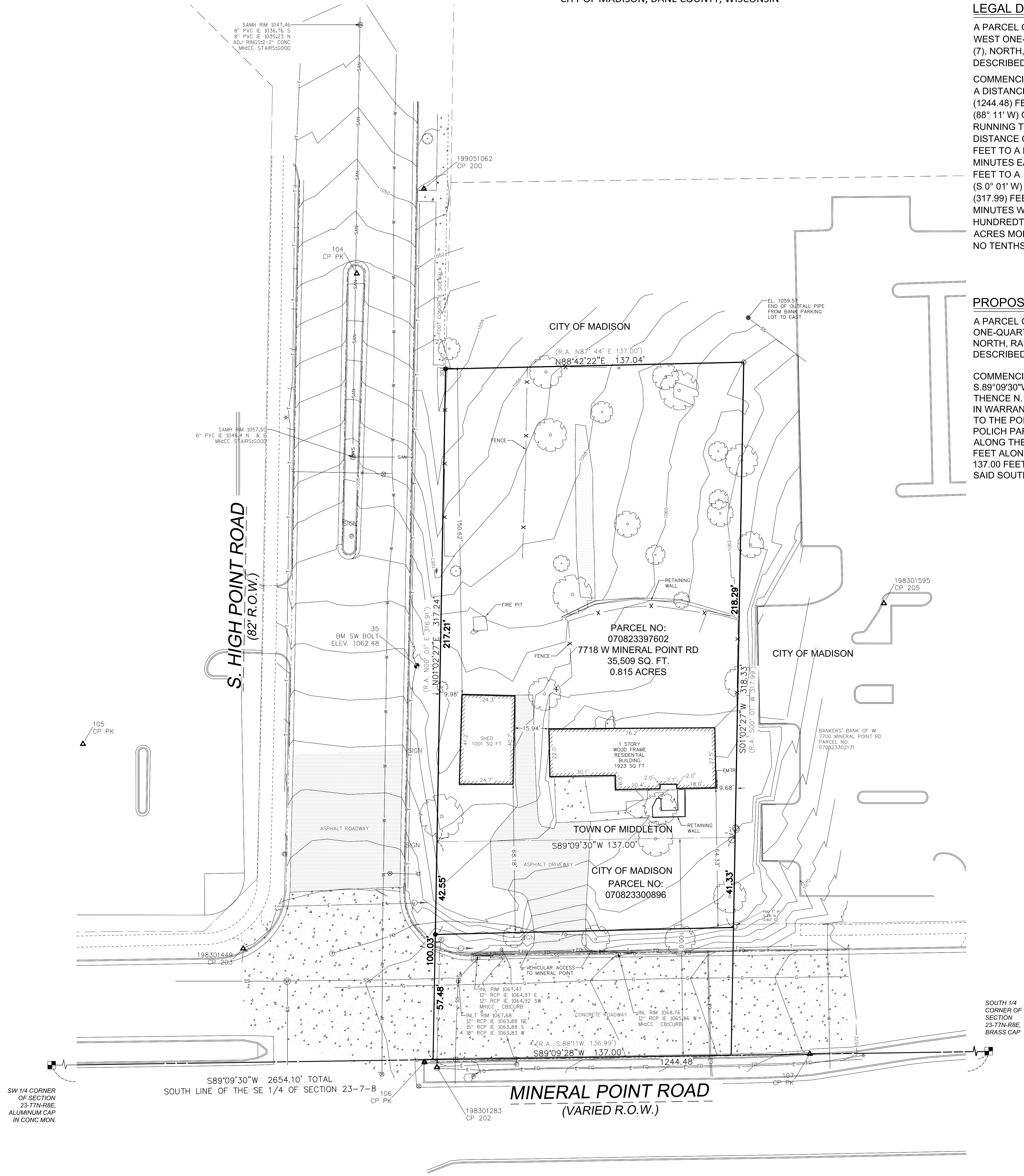


LEGEND

- = BENCH MARK
- ▲ = CONTROL POINT
- = 1 1/4" IRON PIPE O.D. FOUND OR AS NOTED
- = 1-1/4" O.D. x 18" LONG IRON PIPE SET, WEIGHING 1.68 LBS./FT.
- = SECTION CORNER MON.
- (R.A.) = RECORDED AS
- O.D. = OUTSIDE DIAMETER
- ⊗ = WATER VALVE
- ⊗ = FIRE HYDRANT
- 970.90 = SPOT ELEVATION
- ⊗ = BUSH, SHRUB
- ⊗ = POLE/POST/BOLLARD
- ⊗ = BOULDER
- ⊗ = PULLBOX
- (M) = MANHOLE TYPE NOTED
- (SA) = SANITARY SEWER MANHOLE
- (ST) = STORM SEWER MANHOLE
- (E) = ELECTRIC MANHOLE
- (T) = TELEPHONE MANHOLE
- (W) = WATER MANHOLE
- ⊗ = UTILITY METER
- ⊗ = GUY WIRE POLE
- ⊗ = LIGHT POLE
- ⊗ = PEDESTAL
- ⊗ = POWER POLE
- ⊗ = INLET
- ⊗ = CURB INLET
- ⊗ = GAS VALVE
- ⊗ = LIGHT POLE WITH MAST
- ⊗ = TREE (CONIFEROUS) DRIP LINE SCALABLE
- ⊗ = TREE (DECIDUOUS) DRIP LINE SCALABLE
- ⊗ = CLEANOUT
- ⊗ = FLAG POLE
- ⊗ = UTILITY MARKER POST
- ⊗ = SIGN ON POST
- ⊗ = UTILITY CONTROL BOX
- ⊗ = UNKNOWN UTILITY VALVE
- FL. EL. = FIRST FLOOR ELEVATION
- ▬ = BUILDING OUTLINE
- 3 = MINOR CONTOUR
- 5 = MAJOR CONTOUR
- = FENCE
- = BEAM GUARD
- = CHAINLINK FENCE
- = WOODED AREA/SHRUB EDGE
- W = WATER MAIN
- ST = STORM SEWER
- SAN = SANITARY SEWER
- G = NATURAL GAS MAIN
- T = UNDERGROUND TELEPHONE
- E = UNDERGROUND ELECTRIC
- OH = OVERHEAD UTILITY LINES
- FO = UNDERGROUND FIBER OPTIC
- TV = UNDERGROUND CABLE TV
- C = COMMUNICATION CONDUIT
- ▬ = ASPHALT SURFACE
- ▬ = CONCRETE SURFACE
- ▬ = WETLANDS

PLAT OF SURVEY WITH TOPOGRAPHY

PART OF THE SOUTHEAST 1/4 OF THE SOUTHWEST 1/4 OF SECTION 23,
TOWNSHIP 7 NORTH, RANGE 8 EAST, IN THE TOWN OF MIDDLETON AND THE
CITY OF MADISON, DANE COUNTY, WISCONSIN



LEGAL DESCRIPTION (WARRANTY DEED DOC.#1233531 VOL 54 PG 578)

A PARCEL OF LAND IN THE SOUTH EAST ONE-QUARTER (1/4) OF THE SOUTH WEST ONE-QUARTER (1/4) OF SECTION TWENTY-THREE (23) TOWNSHIP SEVEN (7), NORTH, RANGE EIGHT (8) EAST IN THE TOWN OF MIDDLETON, BOUNDED AND DESCRIBED AS FOLLOWS:

COMMENCING AT A POINT ON THE SOUTH LINE OF THE SAID QUARTER SECTION, A DISTANCE OF ONE THOUSAND TWO HUNDRED FORTY-FOUR AND FORTY-EIGHT (1244.48) FEET, SOUTH EIGHTY-EIGHT DEGREES ELEVEN MINUTES WEST (88° 11' W) OF THE SOUTH-EAST CORNER OF THE SAID QUARTER SECTION RUNNING THENCE NORTH ZERO DEGREES ONE MINUTE EAST (N 0° 01' E) FOR A DISTANCE OF THREE HUNDRED SIXTEEN AND NINETY-ONE HUNDREDTHS (316.91) FEET TO A POINT; THENCE NORTH EIGHTY-SEVEN DEGREES FORTY-FOUR MINUTES EAST (87° 44' E) ONE HUNDRED THIRTY-SEVEN AND NO TENTHS (137.0) FEET TO A POINT; THENCE SOUTH ZERO DEGREES ONE MINUTE WEST (S 0° 01' W) THREE HUNDRED SEVENTEEN AND NINETY-NINE HUNDREDTHS (317.99) FEET TO A POINT; THENCE SOUTH EIGHTY-EIGHT DEGREES ELEVEN MINUTES WEST (S 88° 11' W) ONE HUNDRED THIRTY-SIX AND NINETY-SIX HUNDREDTHS (136.96) FEET TO THE POINT OF BEGINNING, CONTAINING 0.998 ACRES MORE OR LESS AND RESERVING THE SOUTHERLY THIRTY-THREE AND NO TENTHS (33.0) FEET FOR HIGH-WAY PURPOSES.

PROPOSED CITY OF MADISON ATTACHMENT

A PARCEL OF LAND IN THE SOUTHEAST ONE-QUARTER (1/4) OF THE SOUTHWEST ONE-QUARTER (1/4) OF SECTION TWENTY-THREE (23) TOWNSHIP SEVEN (7), NORTH, RANGE EIGHT (8) EAST IN THE TOWN OF MIDDLETON, BOUNDED AND DESCRIBED AS FOLLOWS:

COMMENCING AT THE SOUTH 1/4 CORNER OF SAID SECTION 23; THENCE S.89°09'30"W. ALONG THE SOUTH LINE OF SAID SOUTHWEST 1/4 1244.52 FEET THENCE N.1°02'27"E. 100.03 FEET ALONG THE WEST LINE OF LANDS DESCRIBED IN WARRANTY DEED RECORDED AS DOCUMENT NO. 1233531 ("POLICH PARCEL") TO THE POINT OF BEGINNING; THENCE CONTINUE ALONG SAID WEST LINE OF POLICH PARCEL N.1°02'27"E. 217.21 FEET; THENCE N.88°42'22"E. 137.04 FEET ALONG THE NORTH LINE OF SAID POLICH PARCEL; THENCE S.01°02'27"W. 218.29 FEET ALONG THE EAST LINE OF SAID POLICH PARCEL; THENCE S.89°09'30"W. 137.00 FEET ALONG A LINE THAT IS 100 FEET NORTH OF AND PARALLEL WITH THE SAID SOUTH LINE OF SAID SOUTHWEST 1/4 TO THE POINT OF BEGINNING.

CONTROL POINT				
POINT NO.	NORTHING	EASTING	ELEVATION	TYPE
198301035	477866.238	785573.098	1062.484	BM SW BOLT
104	478046.366	785545.561	1052.376	CP PK
105	477830.331	785419.776	1059.296	CP PK
106	477684.172	785576.674	1067.713	CP PK
107	477688.004	785753.735	1071.652	CP PK



ALTHOUGH DIGGERS' HOTLINE WAS NOTIFIED THIS SURVEY DOES NOT GUARANTEE THAT ALL UTILITIES HAVE BEEN LOCATED ON SITE. SOME OF THE UTILITIES MAY HAVE BEEN DRAWN IN PER PLAN BASED ON MAPS RECEIVED FROM MEMBERS NOTIFIED. LACKING EXCAVATION THE EXACT LOCATION OF UNDERGROUND FEATURES CANNOT BE ACCURATELY, COMPLETELY AND RELIABLY DEPICTED. WHERE ADDITIONAL OR MORE DETAILED INFORMATION IS REQUIRED, THE CLIENT IS ADVISED THAT EXCAVATION MAY BE NECESSARY.

SURVEYOR'S CERTIFICATE:

I, Brian Sandberg do hereby certify that that under My direction and control the above described property was surveyed on 8/30/2019 in accordance with AE-7 of the Wisconsin Administrative Code and is correct to the best of my knowledge and belief.

Brian E. Sandberg S-2500
NOVEMBER 5, 2019

kapur

7711 N. Port Washington Road
Milwaukee, Wisconsin
53217

kapurinc.com

PROJECT:
ASSOCIATED BANK - MINERAL POINT ROAD

LOCATION:
7718 W MINERAL POINT ROAD
MADISON WI 53717

CLIENT:
ASSOCIATED BANK

RELEASE:
FINAL

REVISIONS:

#	DATE	DESCRIPTION
1	11/5/19	ADD CITY ATTACHMENT

NORTH ARROW:

SCALE: 1" = 20'

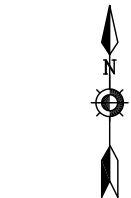
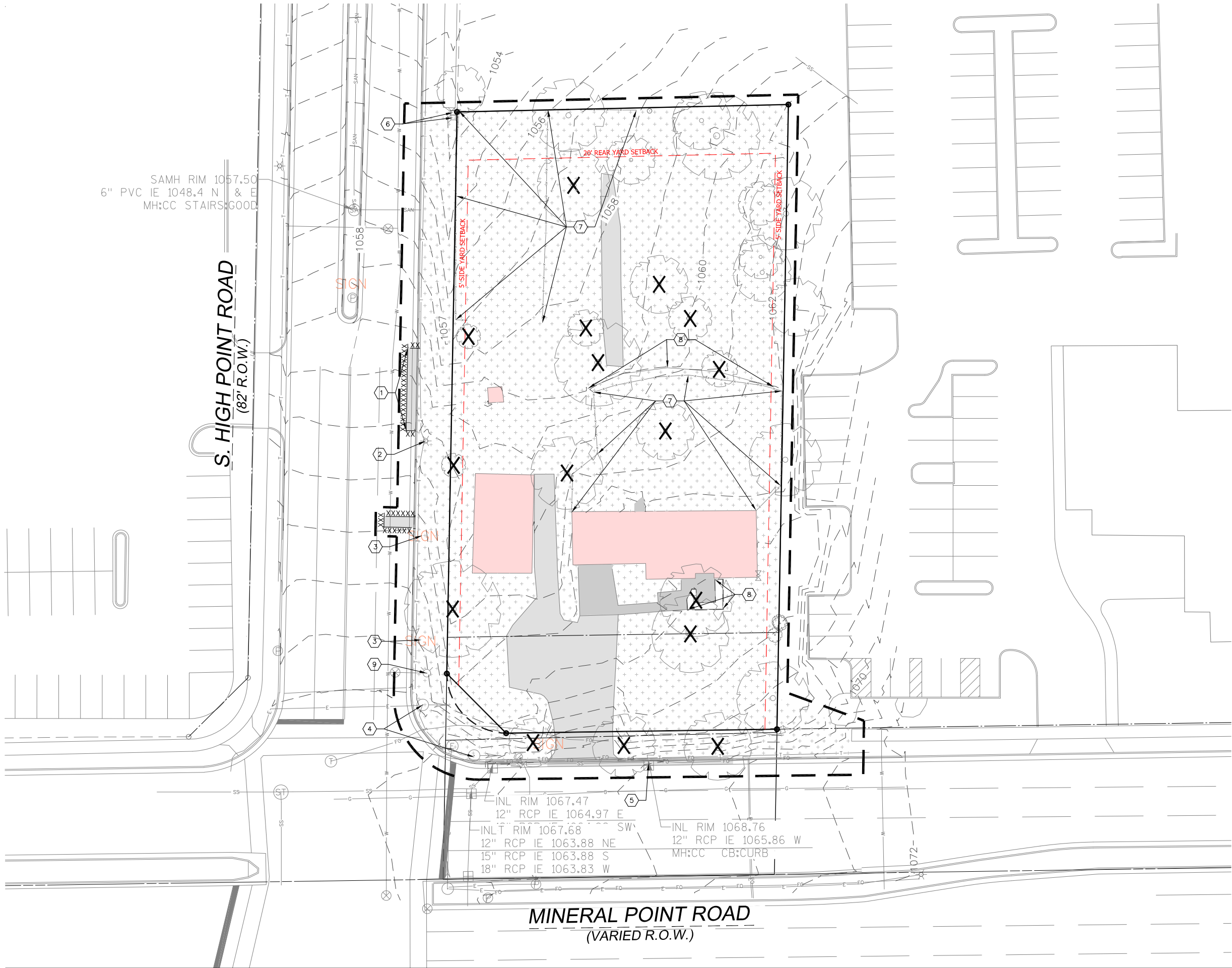
SEAL:

all in

SHEET:

PROJECT MANAGER: BES
PROJECT NUMBER: 19.0492.01
DATE: 11/5/19

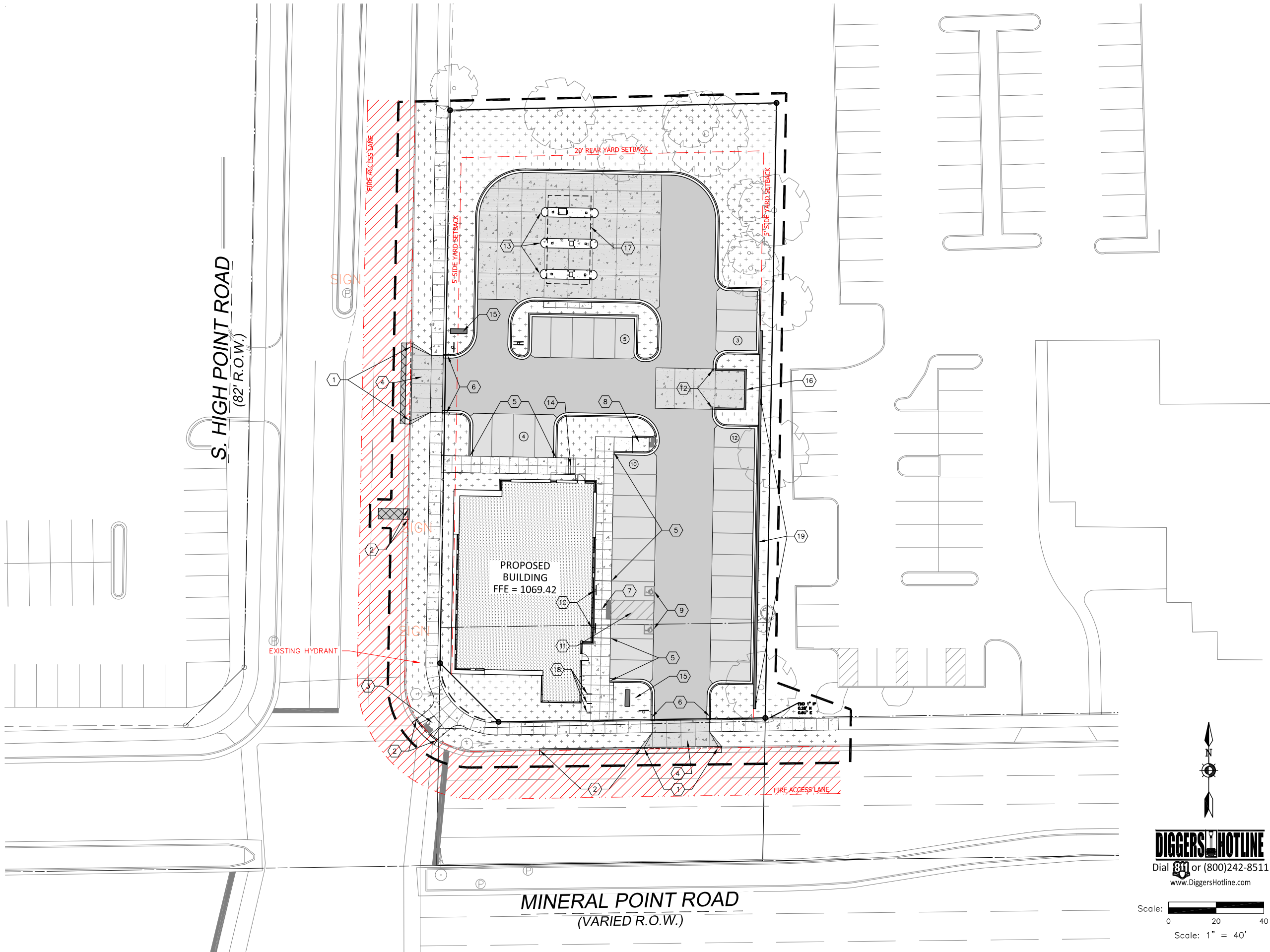
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C100



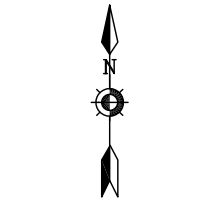
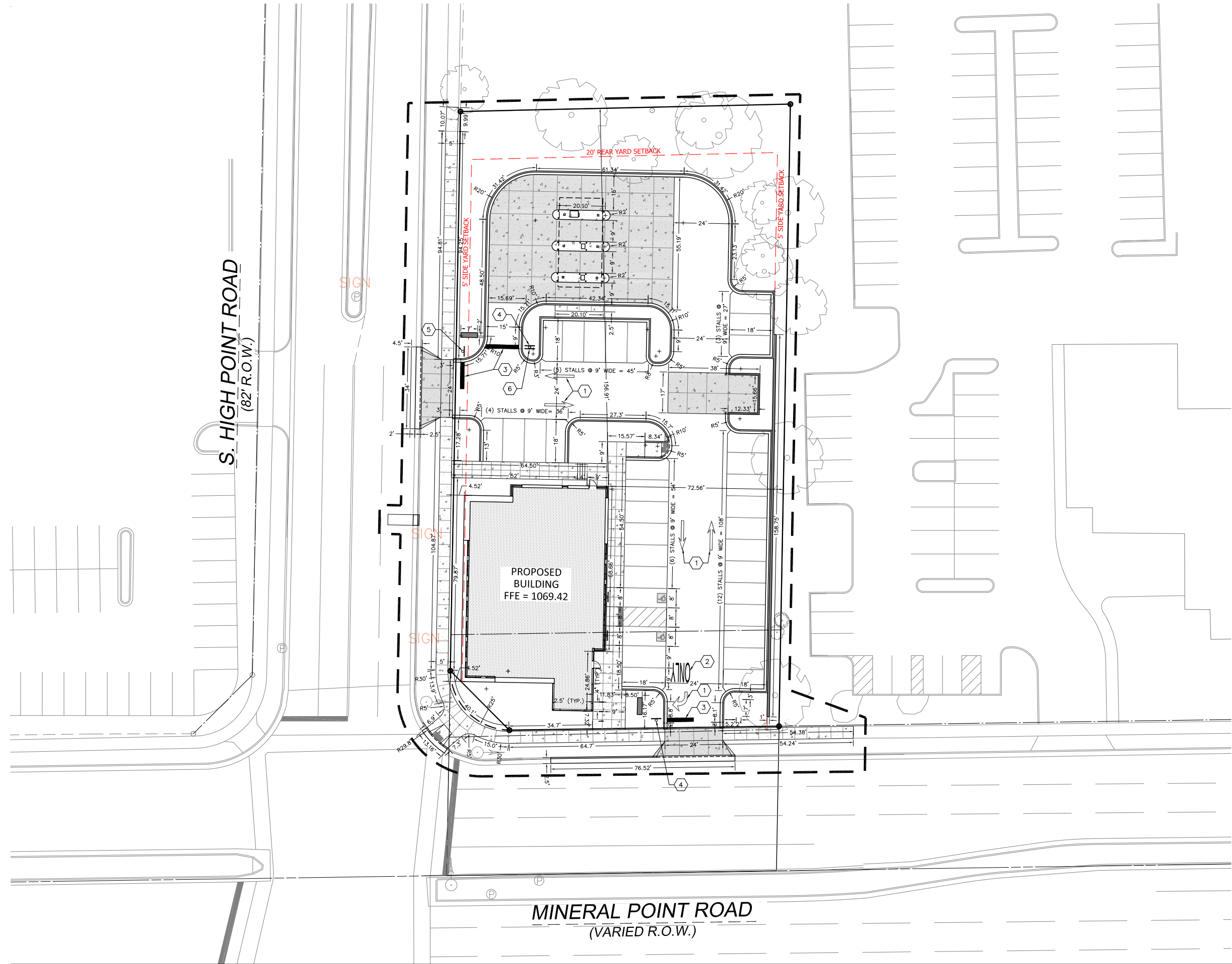
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Scale: 0 20 40
Scale: 1" = 40'



KEY INDEX	
	PROJECT LIMITS
	VEGETATION TO BE REMOVED & DISPOSED OF OFFSITE. IF SUITABLE FOR REUSE, TOPSOIL TO BE STOCKPILED. UNUSED & UNSUITABLE TOPSOIL TO BE REMOVED OFFSITE. TOPSOIL THICKNESS MAY VARY. REFER TO GEOTECHNICAL REPORT.
	ASPHALT PAVEMENT & BASE MATERIAL TO BE REMOVED TO SUB-BASE & DISPOSED OF OFFSITE. PAVEMENT & BASE THICKNESS MAY VARY. REFER TO GEOTECHNICAL REPORT.
	CONCRETE & BASE MATERIAL TO BE REMOVED TO SUB-BASE & DISPOSED OF OFFSITE. CONCRETE & BASE THICKNESS MAY VARY. REFER TO GEOTECHNICAL REPORT.
	EXISTING BUILDING & FOUNDATION TO BE RAZED. REFER TO ARCHITECTURAL & STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
	SAWCUT FULL DEPTH
	TREES & STUMPS TO BE REMOVED
	SAWCUT APPROXIMATELY 2' OF ASPHALT PAVEMENT OFF THE EDGE OF THE ROADWAY TO PROVIDE A SMOOTH EDGE FOR INSTALLATION OF NEW PAVEMENT.
	EXISTING LIGHT POLE TO REMAIN. CONTRACTOR TO PROTECT THROUGHOUT CONSTRUCTION.
	EXISTING TRAFFIC SIGN TO REMAIN. CONTRACTOR TO PROTECT THROUGHOUT CONSTRUCTION.
	EXISTING TRAFFIC SIGNALS TO REMAIN. CONTRACTOR TO PROTECT THROUGHOUT CONSTRUCTION.
	EXISTING INLET TO REMAIN.
	EXISTING UTILITY PEDESTALS TO BE REMOVED AND RELOCATED. COORDINATE WORK WITH EXISTING UTILITY OWNER.
	REMOVE & DISPOSE OF EXISTING FENCE INCLUDING POST & FOOTINGS.
	REMOVE & DISPOSE OF EXISTING RETAINING WALL.
	EXISTING HYDRANT TO REMAIN.

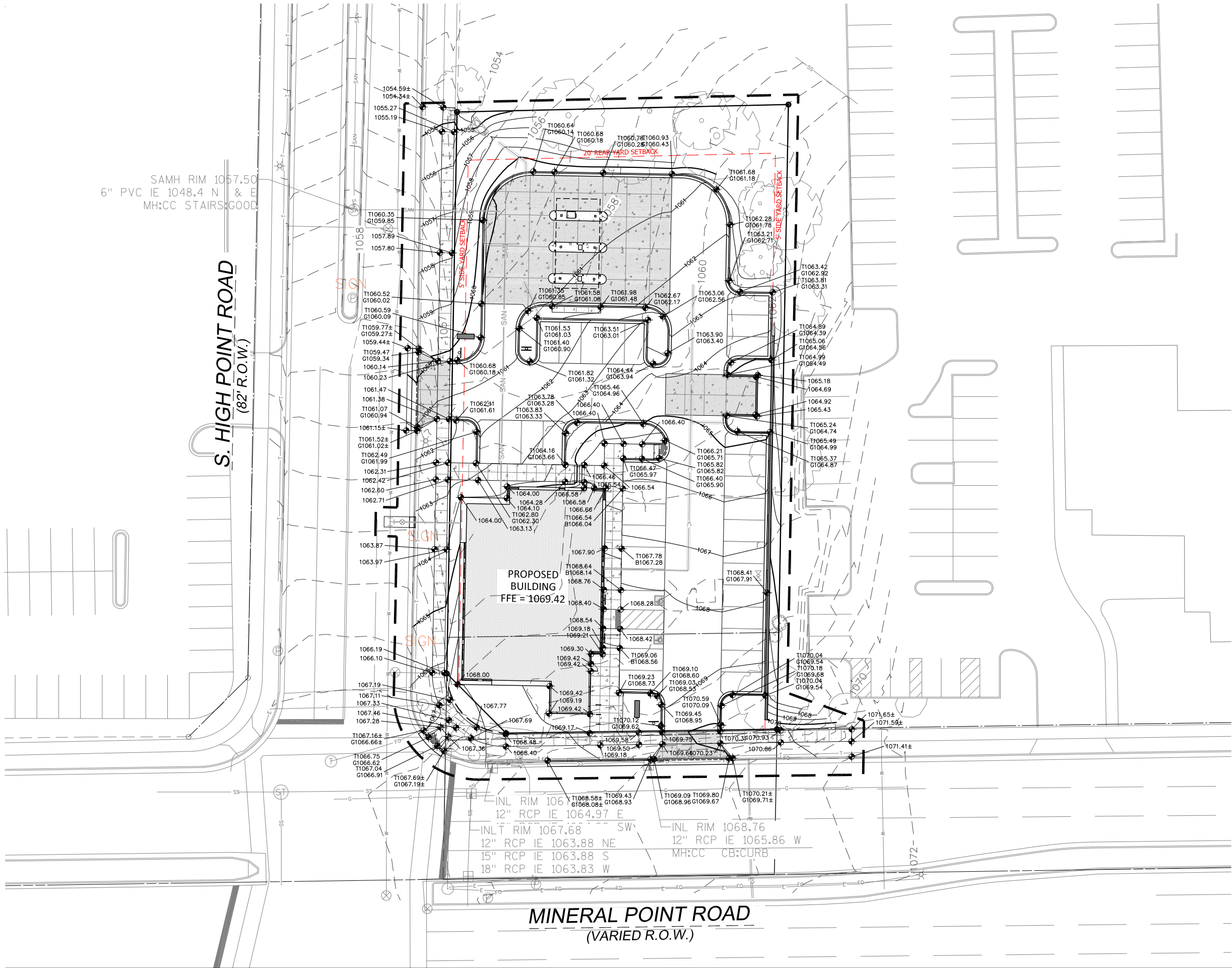


LAND USE SUMMARY TABLE	
1. SITE AREA=41,210 SF (0.95 ACRES) 2. BUILDING SQUARE FOOTAGE = 10,430 SF 3. BUILDING FOOTPRINT = 4,950 SF 4. NUMBER OF TENANT SPACES = 1 5. SIZE OF TENANT SPACE = 10,430 SF 6. LOT COVERAGE = 35,157 SF 7. USABLE OPEN SPACE = 36,260 SF 8. LANDSCAPE AREA = 14,693 9. PAVED AREA = 21,567 SF	
KEY INDEX	
PROJECT LIMITS	
AREAS DISTURBED BY CONSTRUCTION (NOT SPECIFICALLY CALLED OUT ON THE LANDSCAPE PLANS) TO BE RESTORED WITH MINIMUM 4" TOPSOIL, SEED, FERTILIZER, AND MULCH (TYP). USE SALVAGED TOPSOIL OR IMPORT TOPSOIL IF REQUIRED.	
NEW ASPHALTIC CONCRETE (LIGHT DUTY)	4 C202
NEW ASPHALTIC CONCRETE (HEAVY DUTY)	4 C202
NEW ASPHALTIC CONCRETE TO MATCH EXISTING SECTION IN HIGH POINT ROAD. INSTALL PER CITY OF MADISON SPECIFICATIONS AND DETAILS	
NEW CONCRETE SLAB	5 C202 6 C202
NEW HEAVY DUTY CONCRETE SLAB	5 C202 6 C202
HIGH-SIDE CONCRETE CURB & GUTTER 18" BARRIER UNLESS OTHERWISE NOTED	7 C202
LOW-SIDE CONCRETE CURB & GUTTER 18" BARRIER UNLESS OTHERWISE NOTED	7 C202
DEPRESSED CONCRETE CURB & GUTTER 18" DEPRESSED UNLESS OTHERWISE NOTED	8 C202
NEW CITY OF MADISON DRIVEWAY SECTION TYPE "A" CONCRETE CURB & GUTTER	9 C202
NEW CITY OF MADISON SECTION TYPE "A" CONCRETE CURB & GUTTER	9 C202
NEW CITY OF MADISON CURB RAMP TYPE 1	10 C203
NEW CITY OF MADISON STANDARD COMMERCIAL DRIVE APRON	11 C203
NEW CONCRETE INTEGRAL CURB & SIDEWALK	12 C203
3' TRANSITION FROM 18" BARRIER CURB & GUTTER TO ZERO CURB	13 C203
NEW ACCESSIBILITY RAMP WITH TRUNCATED DOME DETECTABLE WARNING FIELDS	14 C203
NEW ACCESSIBILITY RAMP WITH TRUNCATED DOME DETECTABLE WARNING FIELDS	15 C203
NEW ACCESSIBLE PARKING SYMBOL	17 C204
NEW ACCESSIBLE SIGNS	18 C204
NEW 4" WHITE PAINT 36" O.C. FOR DIAGONALS	19 C204
NEW 6" DIAMETER STEEL BOLLARD	21 C204
NEW CONCRETE DRIVE THRU ISLAND	22 C204
NEW CONCRETE STAIR WITH HANDRAIL	23 C204 24 C204
NEW MONUMENT SIGN. REFER TO ARCHITECTURAL PLANS FOR MORE INFORMATION	
NEW TRASH ENCLOSURE. REFER TO ARCHITECTURAL PLANS FOR MORE INFORMATION	
NEW DRIVE THRU CANOPY AND DRIVE THRU EQUIPMENT. REFER TO ARCHITECTURAL PLANS FOR MORE INFORMATION	
(3) NEW "MADRAX" LOFTY BIKE RACKS OR EQUIVALENT. INSTALL PER MANUFACTURER SPECIFICATIONS AND DETAILS	
NEW VARIABLE HEIGHT "KEYSTONE COMPACT" OR EQUIVALENT MODULAR BLOCK RETAINING WALL WITH 4" THICK CAP. INSTALL PER MANUFACTURER SPECIFICATIONS AND DETAILS. CONTRACTOR TO PROVIDE STAMPED STRUCTURAL SHOP DRAWINGS FOR REVIEW PRIOR TO INSTALLATION	

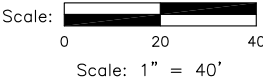


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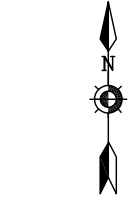
	
R1-1 30" X 30"	R5-1 30" X 30"
KEY INDEX	
1	PAVEMENT MARKING ARROWS, LATEX PAVEMENT MARKING PAINT, WHITE (SEE WDOT PAVEMENT MARKING S.D.D.)
2	PAVEMENT MARKING WORDS, LATEX PAVEMENT MARKING PAINT, WHITE (SEE WDOT PAVEMENT MARKING S.D.D.)
3	PAVEMENT MARKING STOP LINE, LATEX PAVEMENT MARKING PAINT, WHITE (SEE WDOT PAVEMENT MARKING S.D.D.)
4	"STOP" SIGN R1-1 30" X 30" FACING NORTH
5	"STOP" SIGN R1-1 30" X 30" FACING EAST
6	"DO NOT ENTER" SIGN R5-1 30" X 30" FACING SOUTH



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KEY INDEX	
	999 EXISTING CONTOUR MINOR
	999 EXISTING CONTOUR MAJOR
	999 PROPOSED CONTOUR MINOR
	999 PROPOSED CONTOUR MAJOR
	970.00 PROPOSED SPOT GRADE
	970.0± MATCH EXISTING GRADE
	T970.00 G965.50 PROPOSED TOP OF CURB
	T970.0± G965.5± MATCH EXISTING TOP OF CURB
	TW970.00 BW965.00 PROPOSED TOP OF WALL
	TW970.0± BW965.0± MATCH EXISTING TOP OF WALL
 DRAINAGE SWALE



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UTILITY NOTES

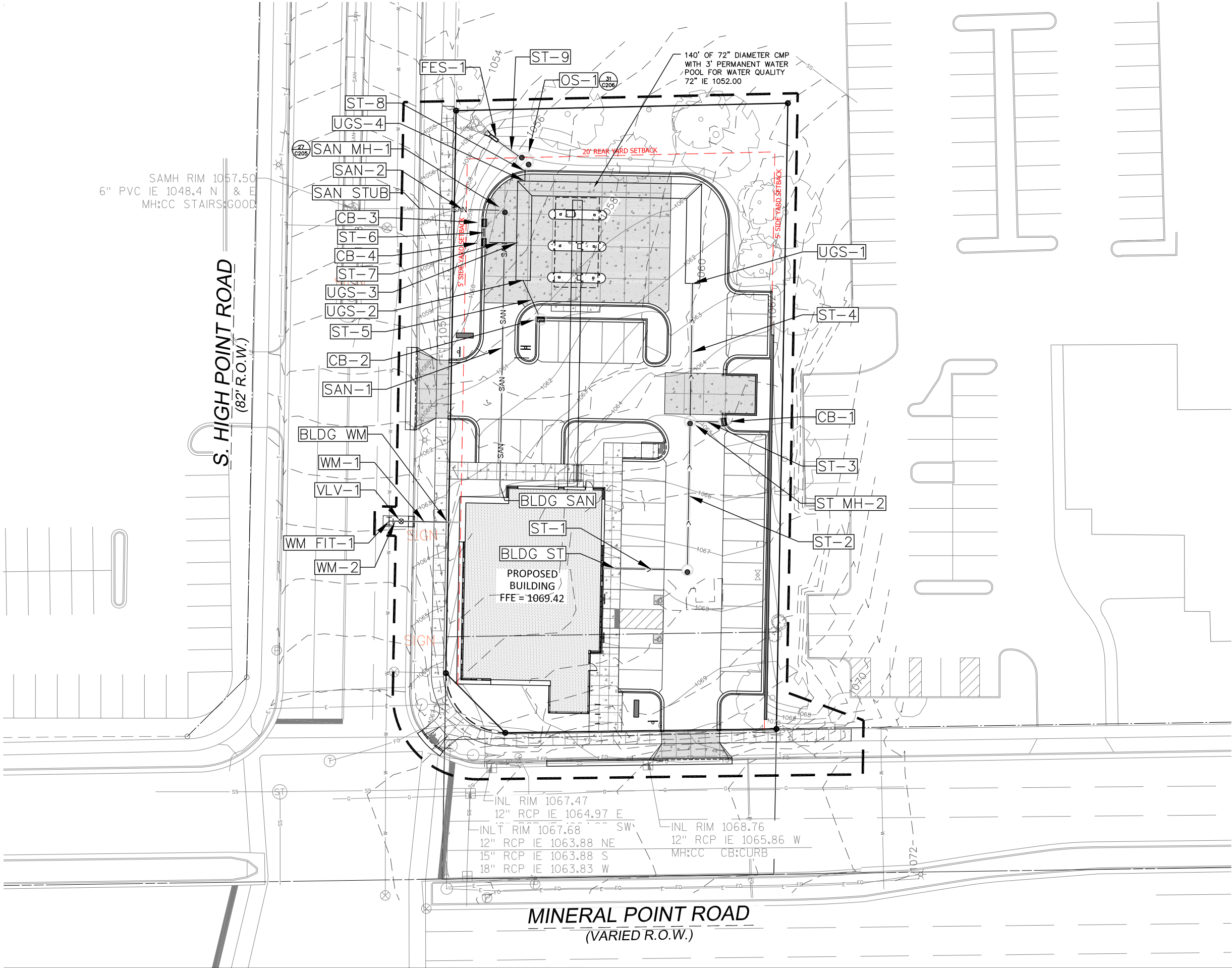


PROJECT LIMITS
KNOWN UTILITY AND POTENTIAL CONFLICT EXIST WITH EXISTING UNDERGROUND UTILITIES. PRIOR TO UTILITY INSTALLATION, CONTRACTOR TO EXCAVATE AND EXPOSE EXISTING UTILITIES, VERIFY LOCATIONS AND ELEVATIONS, AND CONTACT ENGINEER IF CONFLICTS EXIST WITH PROPOSED CONSTRUCTION AND EXISTING UNDERGROUND UTILITIES..

- PER PROJECT SPECIFICATIONS AND THE STANDARD SPECIFICATIONS FOR SEWER AND WATER CONSTRUCTION IN WISCONSIN, THE POINT OF COMMENCEMENT FOR THE LAYING OF SEWER PIPE SHALL BE AT THE LOWEST POINT IN THE PROPOSED SEWER LINE. THE PIPE SHALL BE LAID WITH THE BELL END OF THE BELL AND SPIGOT PIPE, OR WITH THE RECEIVING GROOVE END OF THE TONGUE AND GROOVE PIPE, POINTING UPGRADE. WHEN A NEW SEWER IS TO BE CONNECTED TO AN EXISTING SEWER NOT TERMINATING IN A MANHOLE, THE CONTRACTOR SHALL UNCOVER THE EXISTING SEWER TO ALLOW ANY ADJUSTMENTS IN LINE AND GRADE TO BE MADE BEFORE PIPE IS LAID.
- THE UNDERGROUND AND OVERHEAD UTILITY INFORMATION AS SHOWN HEREON IS BASED, IN PART, UPON INFORMATION FURNISHED BY UTILITY COMPANIES, LOCAL MUNICIPALITY, PROPERTY OWNER, AND DIGGERS HOTLINE. WHILE THIS INFORMATION IS BELIEVED TO BE RELIABLE, ITS ACCURACY AND COMPLETENESS CANNOT BE GUARANTEED NOR CERTIFIED TO.
- GENERAL CONTRACTOR OR THEIR SUB CONTRACTORS SHALL APPLY FOR AND OBTAIN ALL THEIR REQUIRED PERMITS AND APPROVALS PRIOR TO THE START OF THEIR WORK. CONSULT WITH AND OBTAIN FROM ENGINEER COPIES OF ENGINEERING DESIGN APPROVAL PERMITS, INCLUDING BUT NOT LIMITED TO WDNR, STATE OR LOCAL PLUMBING, WDOT, COUNTY, AND STORM WATER MANAGEMENT.
- GENERAL CONTRACTOR OR THEIR SUB CONTRACTORS SHALL CONTACT DIGGER'S HOTLINE TO ALLOW THEM SUFFICIENT TIME TO LOCATE EXISTING UTILITIES PRIOR TO COMMENCEMENT OF WORK.
- GENERAL CONTRACTOR OR THEIR SUB CONTRACTORS ARE RESPONSIBLE FOR COORDINATING THEIR WORK WITH ALL OTHER CONTRACTORS.
- GENERAL CONTRACTOR OR THEIR SUB CONTRACTORS ARE RESPONSIBLE FOR VERIFYING OWNERSHIP OF AND COORDINATING THE DEMOLITION AND/OR RELOCATION OF ALL EXISTING UTILITIES FROM EXISTING BUILDINGS AND WITHIN THE PROJECT LIMITS, INCLUDING BUT NOT LIMITED TO ELECTRICAL/FIBER OPTIC/TELEPHONE/CABLE/GAS/WATER/SANITARY/STORM. DEMOLITION OF THIS UTILITY WORK MUST BE IN ACCORDANCE WITH ALL STATE, FEDERAL, & LOCAL REGULATIONS.
- FOR ALL WORK, GENERAL CONTRACTOR OR THEIR SUB CONTRACTORS ARE RESPONSIBLE FOR REVIEWING BID DOCUMENTS, VERIFYING THE VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UTILITIES WITHIN THE PROJECT LIMITS, AND INCLUDE IN THEIR CONTRACT THE RELOCATION OF SAID UTILITIES (NOTED OR NOT ON THE BID DOCUMENTS) AS NECESSARY TO PROVIDE PROPER DEPTH/CLEARANCE PER UTILITY OWNER'S REQUIREMENTS.

KEY INDEX

PROJECT LIMITS	
	STORM/SANITARY MANHOLE (25 C205, 26 C205)
	STORM CATCH BASIN WITH CURB BOX FRAME & GRATE (30 C205)
	RCP APRON ENDWALL (32 C206, 33 C206)
	RIP RAP (32 C206)
	WATER MAIN TEE
	WATER MAIN VALVE
	STORM SEWER
	SANITARY SEWER
	WATER MAIN



STORM SEWER STRUCTURE TABLE						
STRUCTURE NAME:	TYPE (FRAME AND GRATE):	RIM ELEVATION:	PIPES IN:	PIPES OUT	BOTTOM:	NOTES:
BLDG ST	N/A	N/A	N/A	ST-1, 6" E INV = 1062.63	N/A	SITE UTILITY CONTRACTOR TO PROVIDE CONTINUATION OF 6" STORM SEWER LATERAL AT 5' FROM BUILDING. VERIFY EXACT LOCATION AND INVERT IN FIELD.
CB-1	48" DIAMETER (R-3067-L)	1064.78	N/A	ST-3, 12" W INV = 1059.66	1058.16	N/A
CB-2	48" DIAMETER (R-3067-R)	1061.10	N/A	ST-5, 12" NW INV = 1057.35	1055.85	N/A
CB-3	48" DIAMETER (R-3067-R)	1059.86	N/A	ST-6, 12" S INV = 1057.46	1055.96	N/A
CB-4	48" DIAMETER (R-3067-R)	1059.90	ST-6, 12" N INV = 1057.38	ST-7, 12" E INV = 1057.28	1055.78	N/A
FES-1	12" RCP APRON ENDWALL	N/A	ST-9, 12" SE INV = 1056.43	N/A	N/A	N/A
OS-1	72" DIAMETER (R-1661)	1060.50	ST-8, 15" S INV = 1057.00	ST-9, 12" NW INV = 1057.00	1055.50	N/A
ST MH-1	48" DIAMETER (R-1661)	1067.46	ST-1, 6" W INV = 1062.33	ST-2, 12" N INV = 1061.83	1061.83	N/A
ST MH-2	48" DIAMETER (R-1661)	1065.04	ST-2, 12" S INV = 1059.38 ST-3, 12" E INV = 1059.38	ST-4, 12" N INV = 1059.28	1059.28	N/A
UGS-1	N/A	N/A	ST-4, 12" S INV = 1057.00	N/A	N/A	N/A
UGS-2	N/A	N/A	ST-5, 12" SE INV = 1057.00	N/A	N/A	N/A
UGS-3	N/A	N/A	ST-7, 12" W INV = 1057.00	N/A	N/A	N/A
UGS-4	N/A	N/A	N/A	ST-8, 15" N INV = 1057.00	N/A	N/A

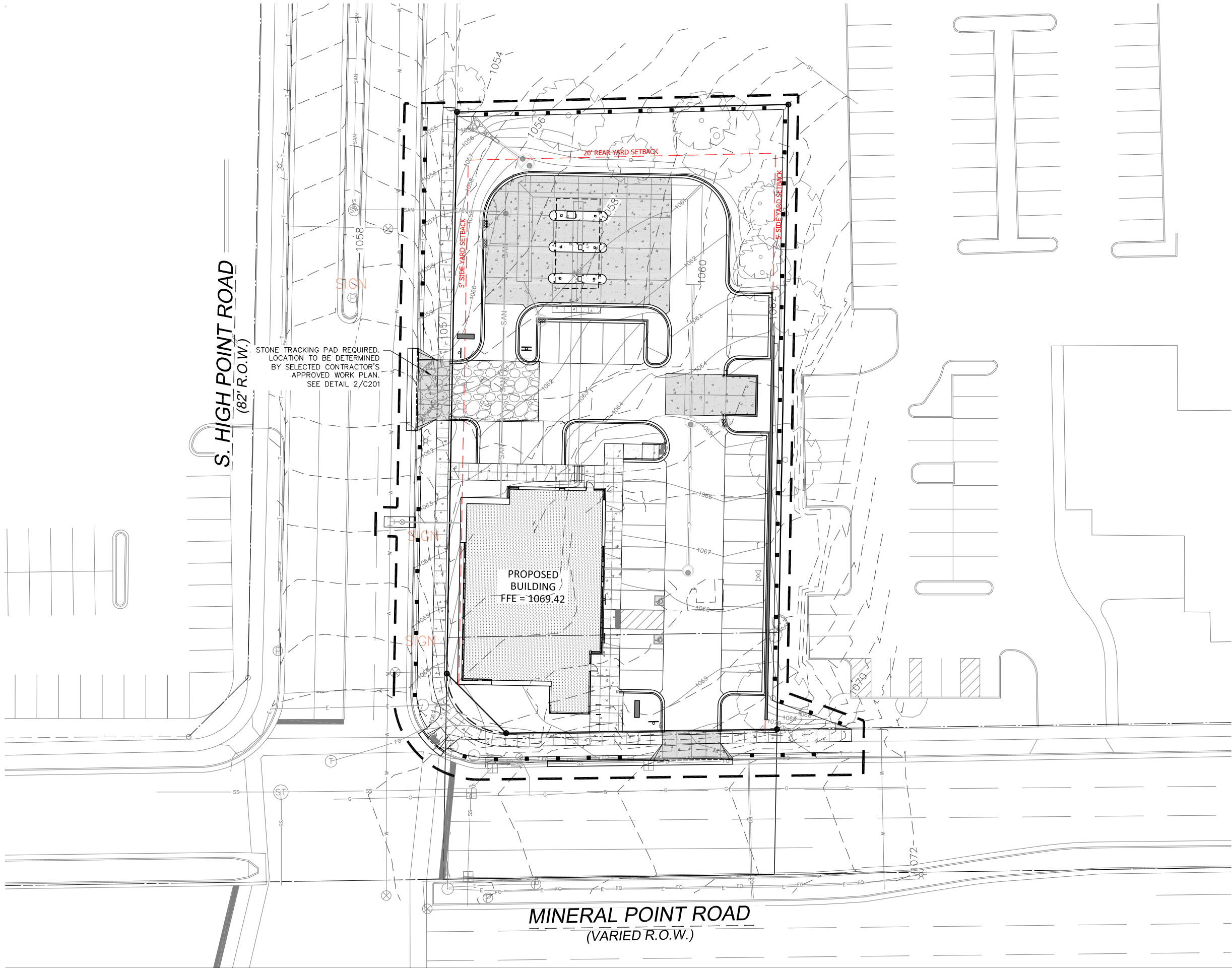
SANITARY SEWER STRUCTURE TABLE						
STRUCTURE NAME:	TYPE (FRAME AND GRATE):	RIM ELEVATION:	PIPES IN:	PIPES OUT	BOTTOM:	NOTES:
BLDG SAN	N/A	N/A	N/A	SAN-1, 6" N INV = 1055.31	N/A	SITE UTILITY CONTRACTOR TO PROVIDE CONTINUATION OF 6" SANITARY SEWER LATERAL AT 5' FROM BUILDING. VERIFY EXACT LOCATION AND INVERT IN FIELD.
SAN MH-1	48" DIAMETER WITH OUTSIDE DROP (R-1661)	1060.08	SAN-1, 6" S INV = 1054.17	SAN-2, 6" W INV = 1049.03	1049.03	N/A
SAN STUB	N/A	N/A	SAN-2, 6" E INV = 1048.68	EX, 6" W INV = 1048.68±	N/A	SITE UTILITY CONTRACTOR TO VERIFY EXACT LOCATION AND DEPTH OF EXISTING SANITARY SEWER LATERAL PRIOR TO CONSTRUCTION. CONTACT ENGINEER IF ANY CONFLICTS ARISE.

WATER MAIN FITTINGS TABLE			
STRUCTURE NAME:	TYPE:	INVERT ELEVATION:	NOTES:
BLDG WM	N/A	1055.82	SITE UTILITY CONTRACTOR TO PROVIDE CONTINUATION OF 6" COMBINED WATER LATERAL AT 5' FROM BUILDING. VERIFY EXACT LOCATION AND INVERT IN FIELD.
VLV-1	6" GATE VALVE AND VALVE BOX	1055.82	N/A
WM FIT-1	16" X 6" TEE	1055.82	N/A

STORM SEWER PIPE TABLE								
PIPE NAME:	FROM:	TO:	UPSTREAM INVERT ELEVATION:	DOWNSTREAM INVERT ELEVATION:	LENGTH:	SLOPE:	SIZE AND MATERIAL:	GPM:
ST-1	BLDG ST	ST MH-1	1062.63	1062.33	29.60'	1.00%	6" SCH 40 PVC PIPE	
ST-2	ST MH-1	ST MH-2	1061.83	1059.38	61.37'	4.00%	12" SMOOTH INTERIOR WALL HDPE PIPE	
ST-3	CB-1	ST MH-2	1059.66	1059.38	13.99'	2.00%	12" SMOOTH INTERIOR WALL HDPE PIPE	
ST-4	ST MH-2	UGS-1	1059.28	1057.00	56.92'	4.00%	12" SMOOTH INTERIOR WALL HDPE PIPE	
ST-5	CB-2	UGS-2	1057.35	1057.00	17.70'	2.00%	12" SMOOTH INTERIOR WALL HDPE PIPE	
ST-6	CB-3	CB-4	1057.46	1057.38	8.08'	1.00%	12" SMOOTH INTERIOR WALL HDPE PIPE	
ST-7	CB-4	UGS-3	1057.28	1057.00	13.93'	2.00%	12" SMOOTH INTERIOR WALL HDPE PIPE	
ST-8	UGS-4	OS-1	1057.00	1057.00	8.27'	0.00%	15" SMOOTH INTERIOR WALL HDPE PIPE	
ST-9	OS-1	FES-1	1057.00	1056.43	14.19'	4.00%	12" CLASS III RCP	

SANITARY SEWER PIPE TABLE								
PIPE NAME:	FROM:	TO:	UPSTREAM INVERT ELEVATION:	DOWNSTREAM INVERT ELEVATION:	LENGTH:	SLOPE:	SIZE AND MATERIAL:	DFU:
SAN-1	BLDG SAN	SAN MH-1	1055.31	1054.17	113.50'	1.00%	6" SDR 35 PVC PIPE	
SAN-2	SAN MH-1	SAN STUB	1049.03	1048.68	35.16'	1.00%	6" SDR 35 PVC PIPE	

WATER MAIN PIPE TABLE							
PIPE NAME:	FROM:	TO:	FROM INVERT ELEVATION:	TO INVERT ELEVATION:	LENGTH:	SLOPE:	SIZE AND MATERIAL:
SAN-1	BLDG SAN	SAN MH-1	1055.31	1054.17	113.50'	1.00%	6" SDR 35 PVC PIPE
SAN-2	SAN MH-1	SAN STUB	1049.03	1048.68	35.16'	1.00%	6" SDR 35 PVC PIPE



DIGGERS HOTLINE

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Scale: 0 20 40
Scale: 1" = 40'

EROSION NOTES

INSPECT ALL EROSION CONTROL MEASURES PRIOR TO COMMENCING GRADING, GRUBBING OR OTHER LAND DISTURBING ACTIVITIES. EROSION CONTROL MEASURES MUST BE INSPECTED WEEKLY AND WITHIN 24 HOURS OF EVERY PRECIPITATION EVENT OF 0.50 INCH OR GREATER. IN ADDITION THE CONTRACTOR SHALL CONDUCT DAILY INSPECTIONS AND DOCUMENT CONDITIONS AND REPAIRS MADE ALONG WITH DATE, TIME OF INSPECTION AND WEATHER CONDITIONS IN A DAILY LOG BOOK. THE DAILY LOG BOOK, WEEKLY / 0.50 INCH PRECIPITATION REPORTS, APPROVED PLANS AND WPDES PERMIT SHALL BE KEPT IN AN ACCESSIBLE LOCATION, LIKE A MAILBOX, WITHIN THE STAGING AREA.

AT ABSOLUTELY NO TIME MAY CONSTRUCTION EQUIPMENT, DEBRIS, FILL, ETC. BE PLACED WITHIN WETLANDS, WATERWAYS OR FLOOD PLAINS UNLESS IDENTIFIED IN THE PLANS.

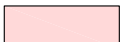
POINTS OF CONTACT

LAND OWNER:
DAVID KNIGHT - SENIOR VICE PRESIDENT
ASSOCIATED BANK
111 EAST KILBOURN AVENUE
MILWAUKEE, WI 53202
PHONE: (414) 930-1948

PROJECT ENGINEER:
RYAN J. BIRSCHBACH, P.E.
KAPUR & ASSOCIATES, INC
7711 NORTH PORT WASHINGTON ROAD
MILWAUKEE, WI 53217
PHONE: (414) 751-7200

CONSTRUCTION MANAGER:
---- - PROJECT MANAGER
---- CONSTRUCTION
---- STREET
---- WI
PHONE: (----) -----

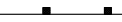
KEY INDEX



INSTALL EROSION MAT ON ALL SLOPES GREATER THAN 4:1 AND ALL DRAINAGE SWALES

USE CLASS I, TYPE A FROM WISDOT PRODUCT APPROVED LIST FOR ALL SIDE SLOPES

USE CLASS II, TYPE B FOR ALL DRAINAGE SWALES. INSTALL EROSION MAT ON THE BOTTOM OF AND A MINIMUM OF 2 FEET VERTICALLY UP THE SIDE SLOPES OF ALL DRAINAGE SWALES. CLASS I, TYPE A MAY BE USED FOR THE REMAINDER OF THE SIDE SLOPES IN DRAINAGE SWALES EXCEEDING 2 FEET VERTICALLY.



FILTER FABRIC FENCE



DESIGNATES PROPOSED INLETS THAT MUST BE PROTECTED AFTER THEY HAVE BEEN CONSTRUCTED.



DESIGNATES EXISTING INLETS THAT MUST BE PROTECTED

1

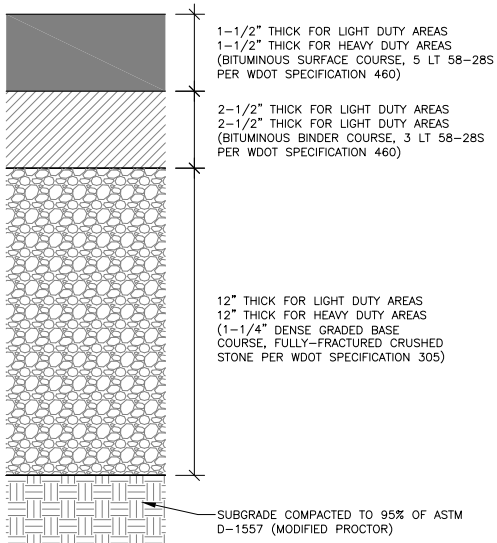
C201

3

C201

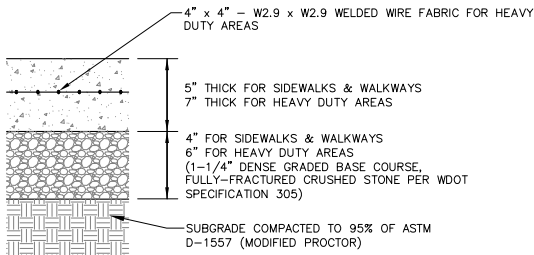
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C201



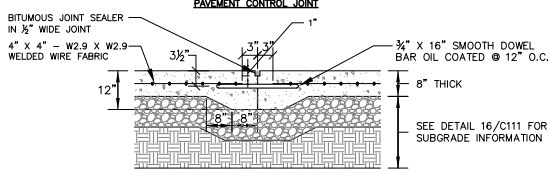
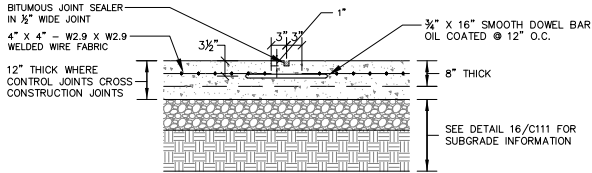
*REFER TO GEOTECHNICAL REPORT FOR ADDITIONAL INFORMATION AND INSTRUCTIONS.

4 ASPHALTIC CONCRETE PAVEMENT
N.T.S.



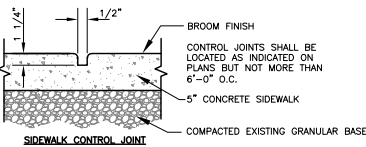
*REFER TO GEOTECHNICAL REPORT FOR ADDITIONAL INFORMATION AND INSTRUCTIONS.

5 CONCRETE SIDEWALK/SLAB
N.T.S.

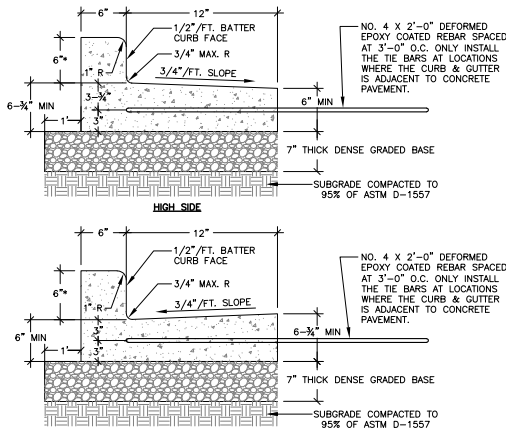


NOTE: ON SITE ONLY - NOT IN R.O.W.

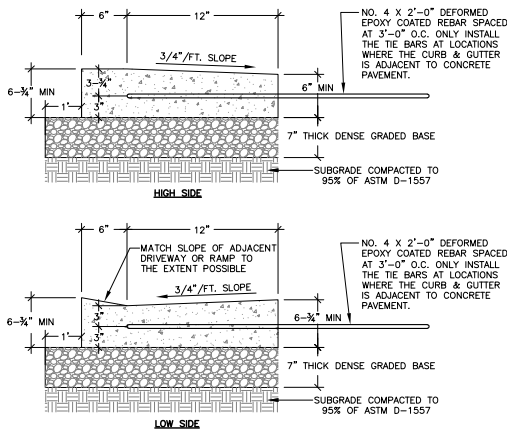
PAVEMENT CONTROL JOINT



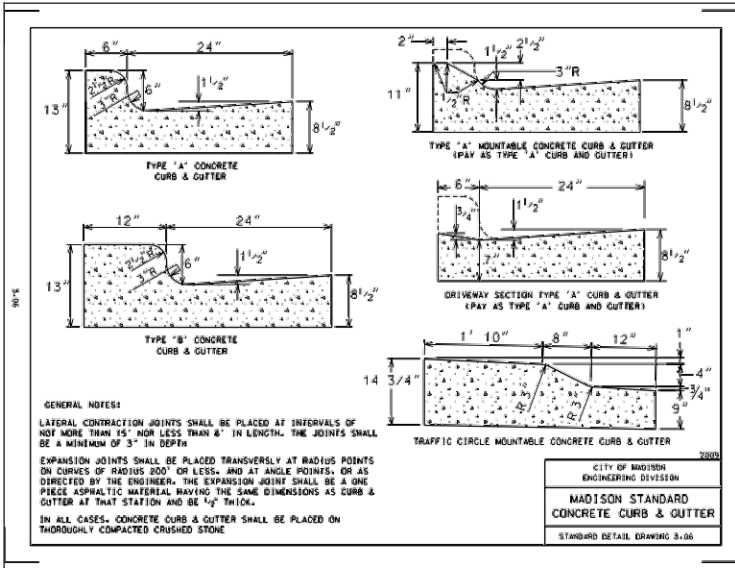
6 CONTROL & CONSTRUCTION JOINT DETAILS (TYP.)
N.T.S.



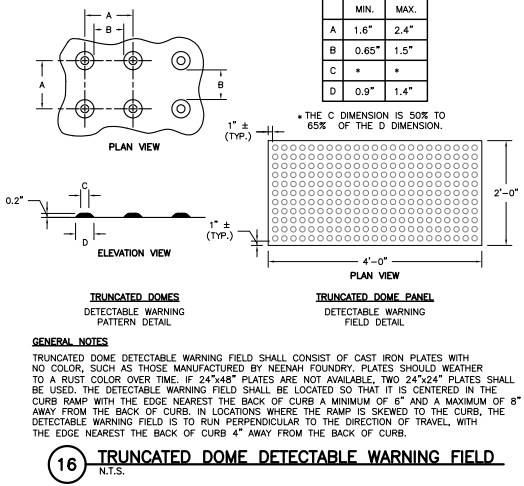
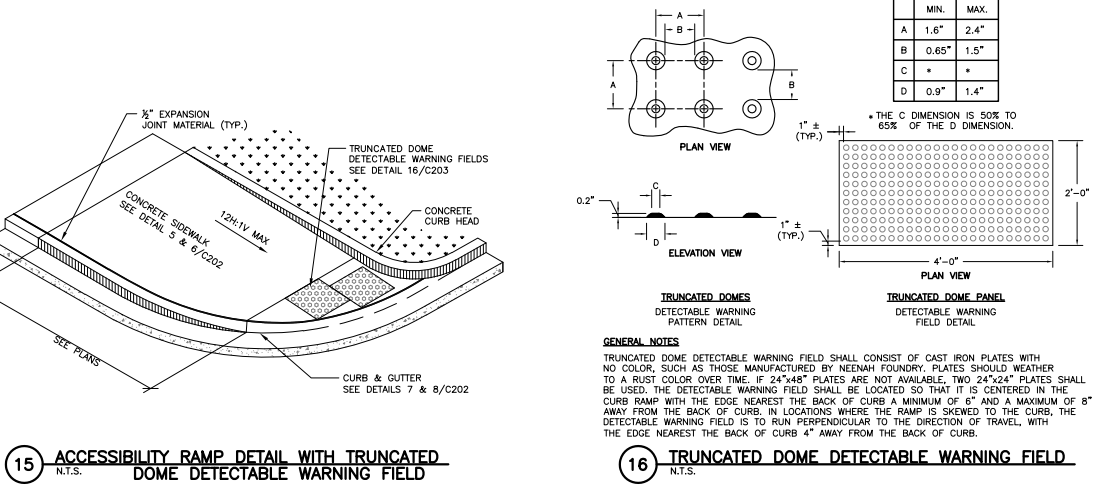
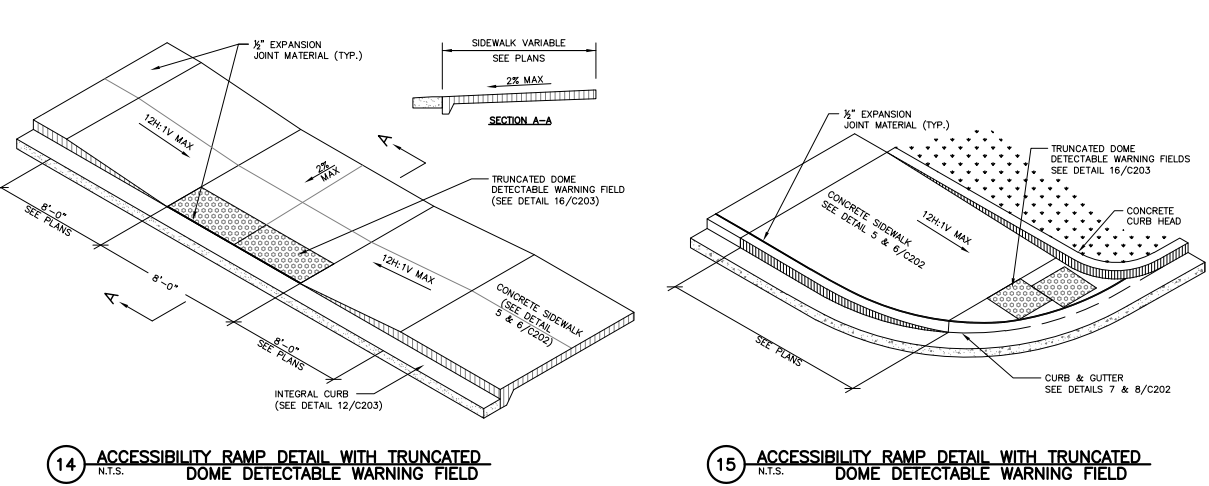
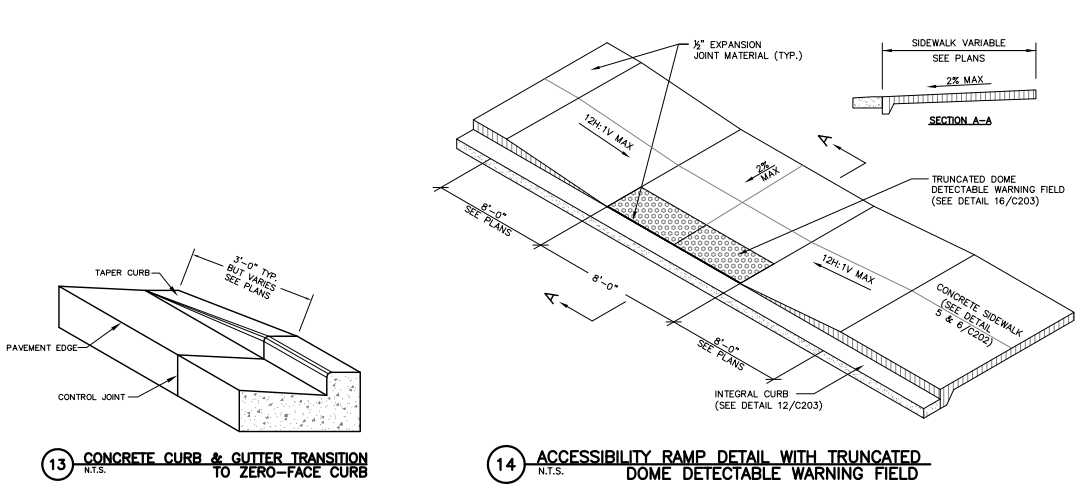
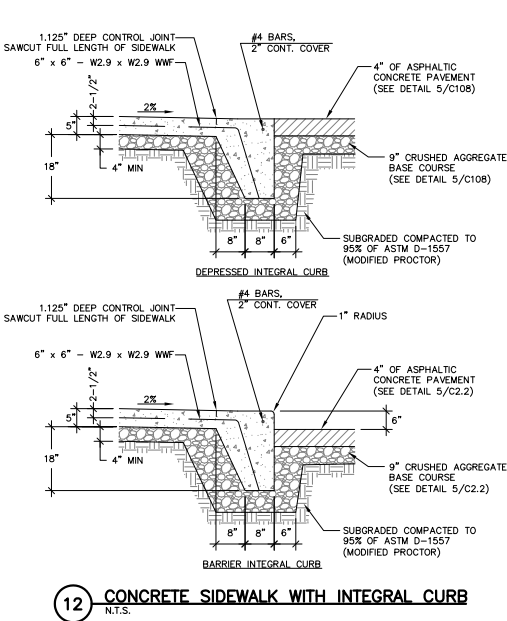
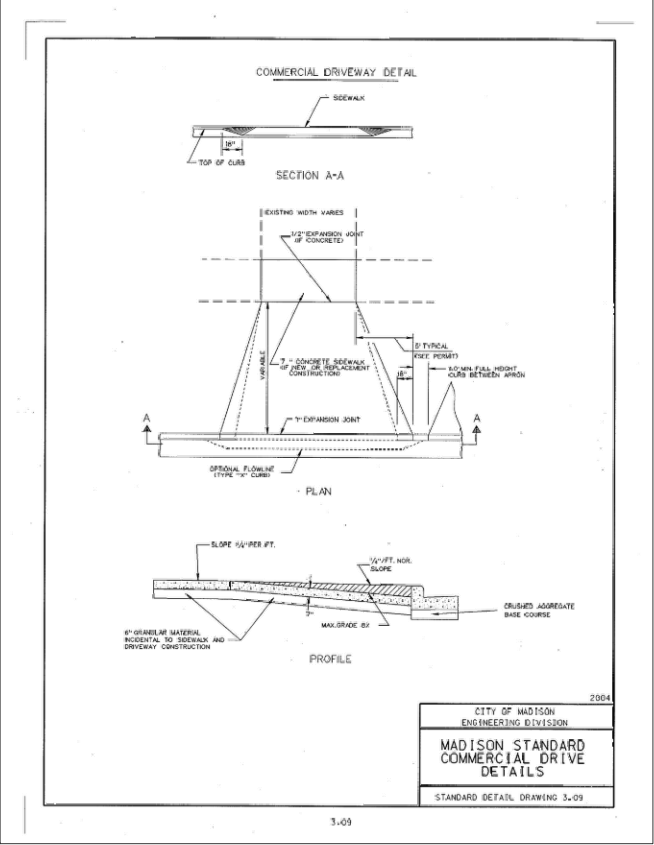
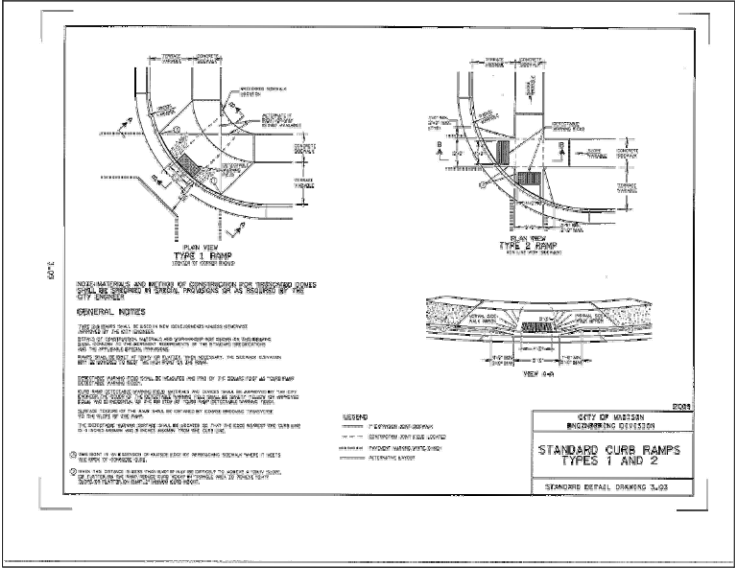
7 18-INCH BARRIER CONCRETE CURB & GUTTER
N.T.S.

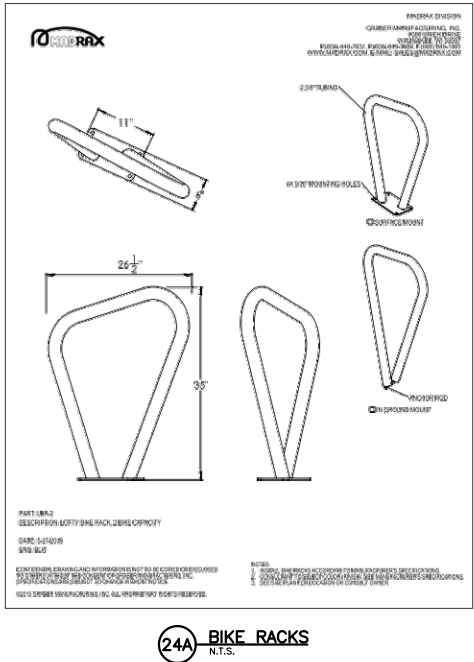
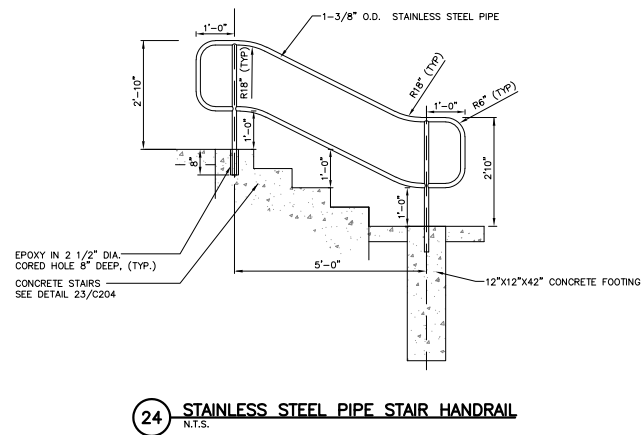
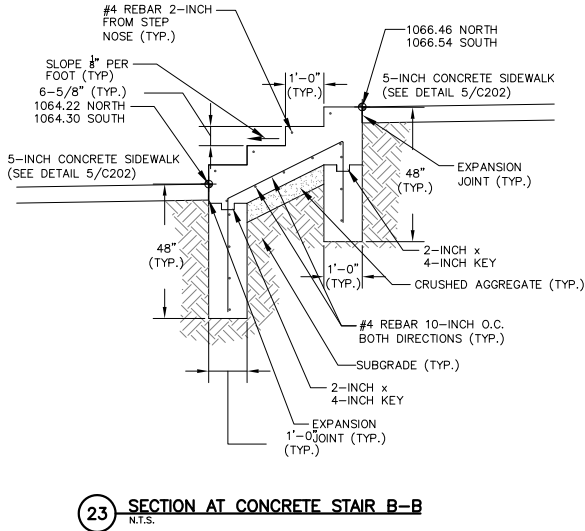
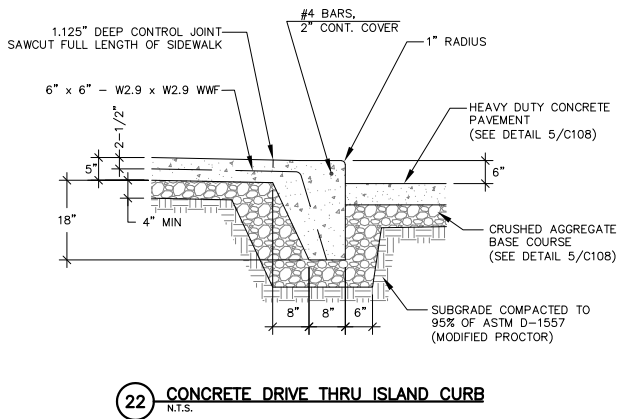
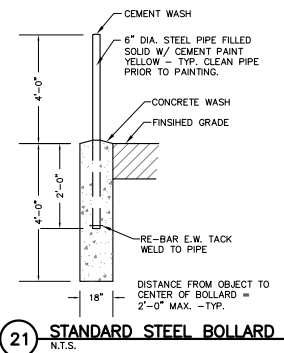
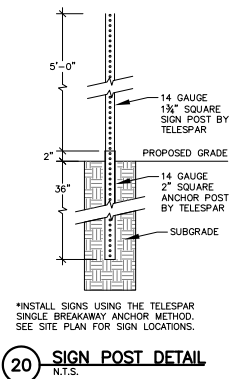
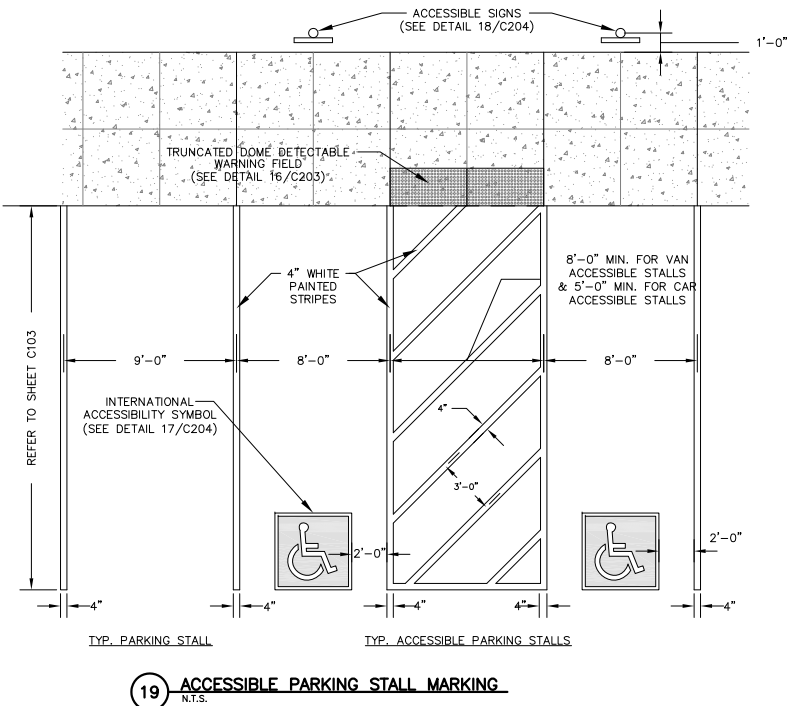
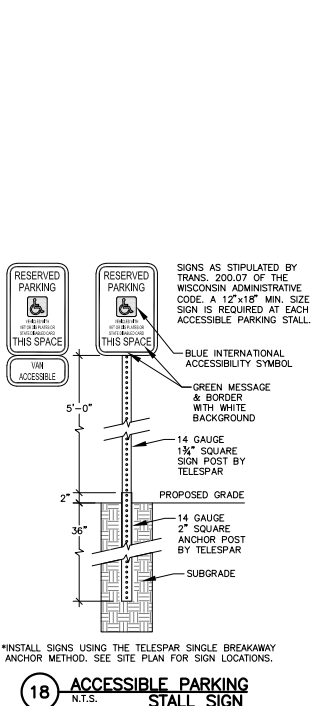
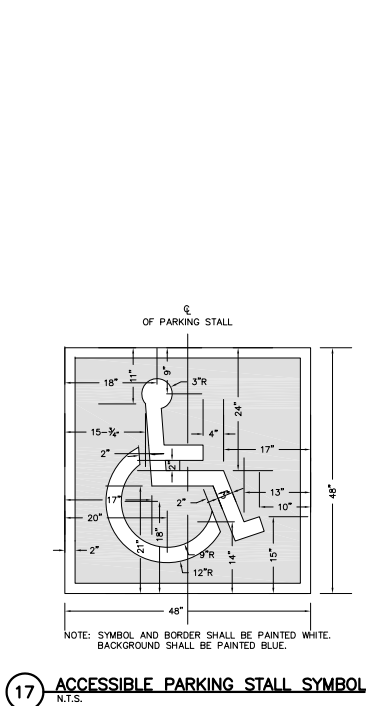


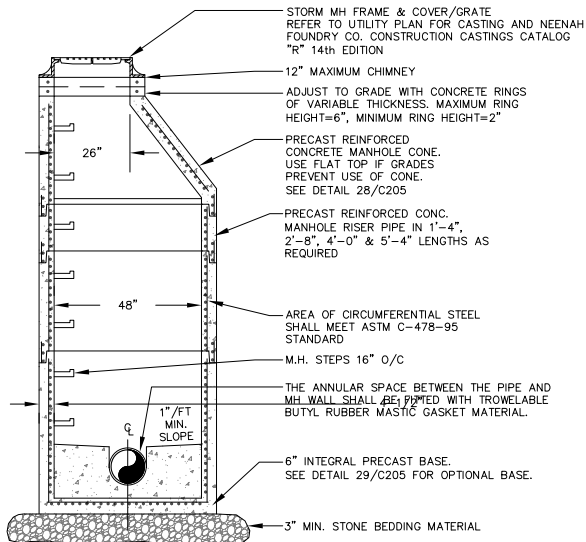
8 18-INCH DEPRESSED CONCRETE CURB & GUTTER
N.T.S.



9 CITY OF MADISON CONCRETE CURB & GUTTER
N.T.S.

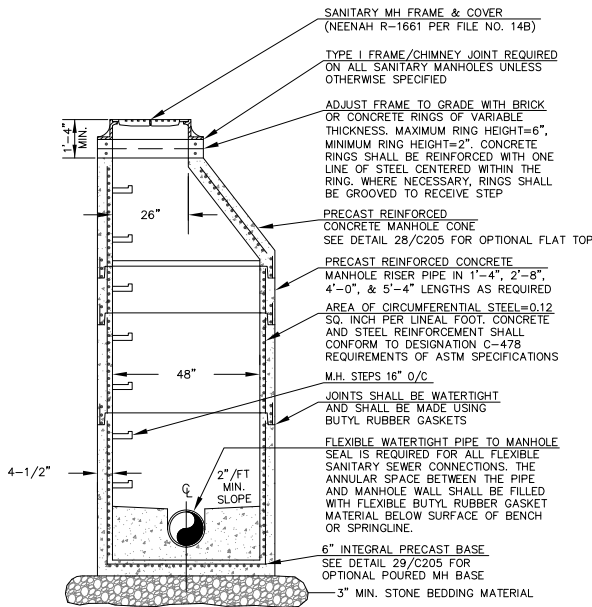






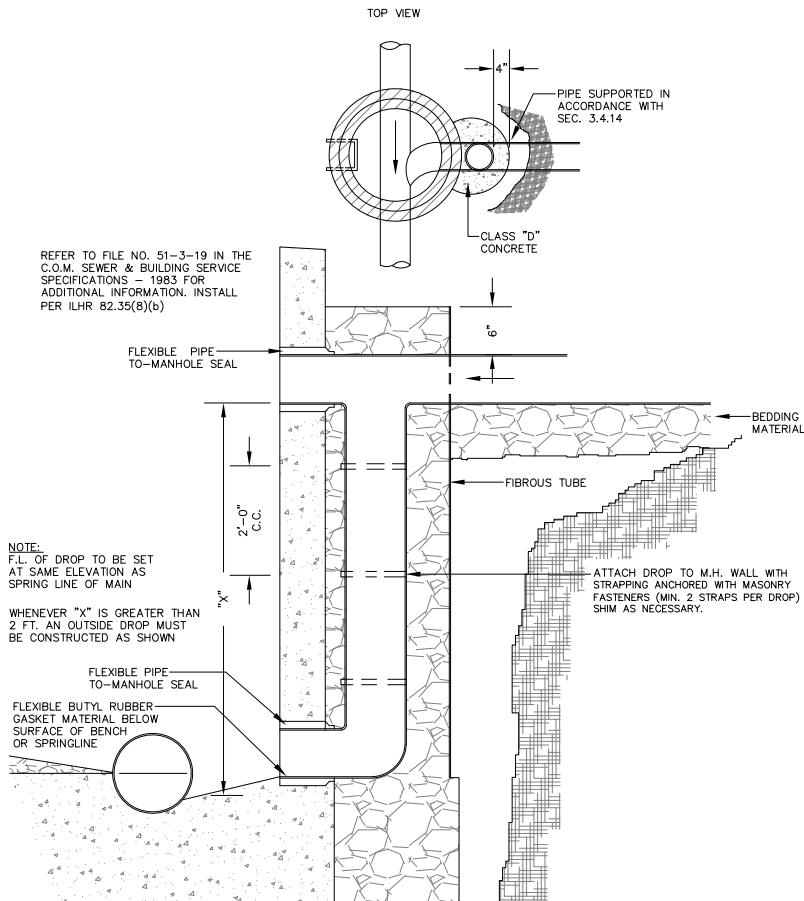
- STORM MANHOLE NOTES:**
- 1.) PRECAST CONCRETE ADJUSTING RINGS TO BE REINFORCED WITH ONE HOOP OF STEEL CENTERED WITHIN THE RING. WHERE NECESSARY, RINGS SHALL BE GROOVED TO RECEIVE STEP.
 - 2.) CONCRETE AND STEEL REINFORCEMENT SHALL CONFORM TO DESIGNATION C-478 REQUIREMENTS OF ASTM SPECIFICATIONS.
 - 3.) JOINTS SHALL BE WATERTIGHT AND SHALL BE MADE USING RUBBER GASKETS OR BUTYL RUBBER MASTIC MATERIAL.
 - 4.) 3" MIN. BEDDING MATERIAL REQUIRED UNDER MANHOLE BASE AND BACKFILLED STRUCTURE WITH GRANULAR BACKFILL MATERIAL.
 - 5.) SEE STANDARD SPECIFICATIONS, FILE NO. 12 FOR PRECAST MANHOLE AND FILE NO. 13 FOR MANHOLE INVERTS, INCLUDING INVERTS OF LATERAL SEWERS THAT CONNECT DIRECTLY TO MANHOLES.

25 STORM MANHOLE DETAIL
N.T.S.

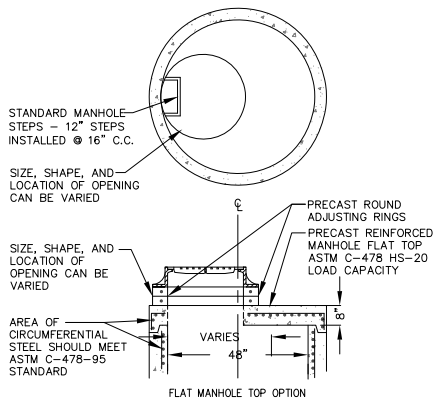


- SANITARY MANHOLE NOTES:**
1. 4" MIN. BEDDING MATERIAL REQUIRED UNDER INTEGRAL PRECAST MANHOLE BASE WITH A MINIMUM OF 4" OF GRANULAR BACKFILL MATERIAL PLACED AROUND THE OUTSIDE OF THE STRUCTURE.
 2. SEE STANDARD SPECIFICATIONS FOR SEWER & WATER CONSTRUCTION IN WISCONSIN, FILE NO. 12 FOR PRECAST MANHOLE AND FILE NO. 13 FOR MANHOLE INVERTS, INCLUDING INVERTS OF LATERAL SEWERS THAT CONNECT DIRECTLY TO MANHOLES.

26 SANITARY MANHOLE DETAIL
N.T.S.

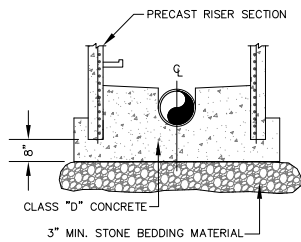


27 OUTSIDE DROP FOR MANHOLES
N.T.S.

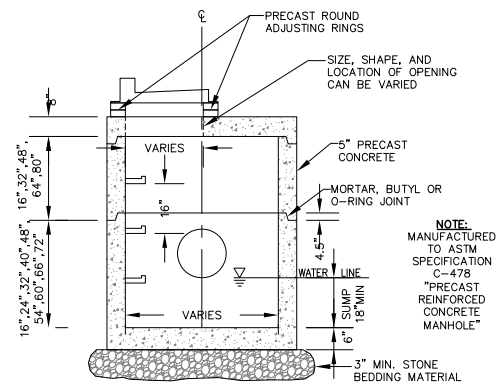


NOTE: USE ONLY WHEN LACK OF COVER PREVENTS USE OF CONE MANHOLE

28 OPTIONAL FLAT TOP MANHOLE WITH
ROUND FRAME & COVER
N.T.S.



29 OPTIONAL POURED MANHOLE BASE
FOR MANHOLES
N.T.S.



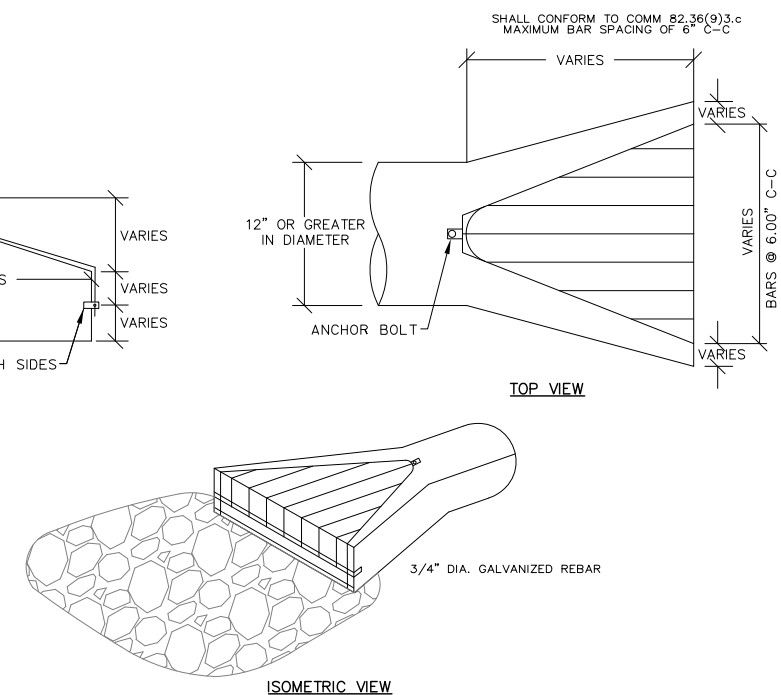
NOTE: REFER TO SITE UTILITY PLAN FOR FRAME & GRATE & RIM ELEVATION.

30 ROUND STORM CATCH BASIN WITH
CURB BOX FRAME & GRATE
N.T.S.

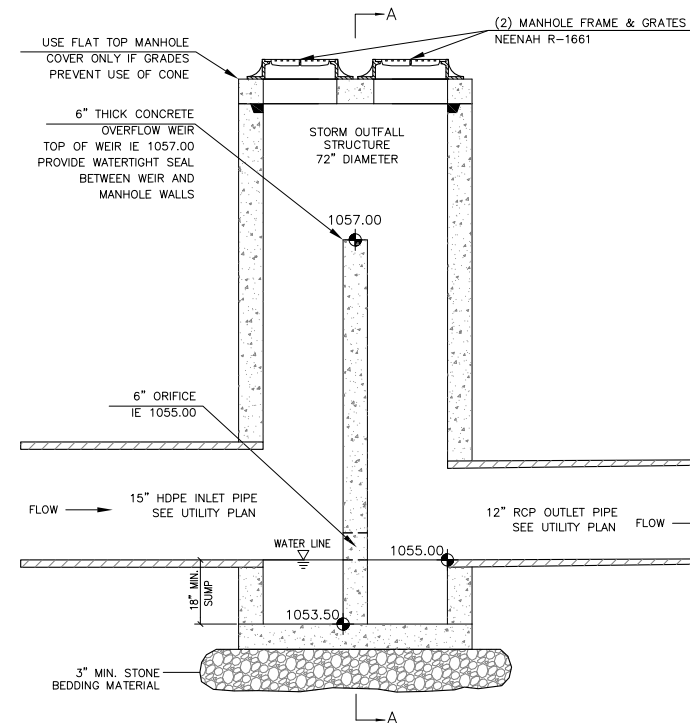
DIA (INCH)	X (INCH)	Y (INCH)	Z (INCH)
12	24	120	48
15	30	120	60
18	36	120	60
21	42	120	72
24	48	120	72
27	54	120	81
30	60	120	90
36	72	120	108
42	78	120	120
48	84	120	120
54	90	120	150
60	96	120	162
66	102	120	174
72	108	120	186

- NOTES:
- 1.) STANDARD SPECIFICATION SHALL APPLY TO ALL INSTALLATIONS.
 - 2.) PIPES 36" AND GREATER SHALL HAVE JOINT TIES.
 - 3.) PIPES 36" OR GREATER SHALL HAVE 50% OF THE RIPRAP PAD PLACED WITH A SLURRY GROUT MIX ON AN UNEVEN RIPRAP SURFACE.
 - 4.) TWIN APRON INSTALLATIONS SHALL BE GOVERNED BY THE OUTSIDE DIMENSIONS OF A SINGLE PIPE.

32 TYPICAL PLACEMENT OF RIPRAP AT APRON ENDWALLS
N.T.S.



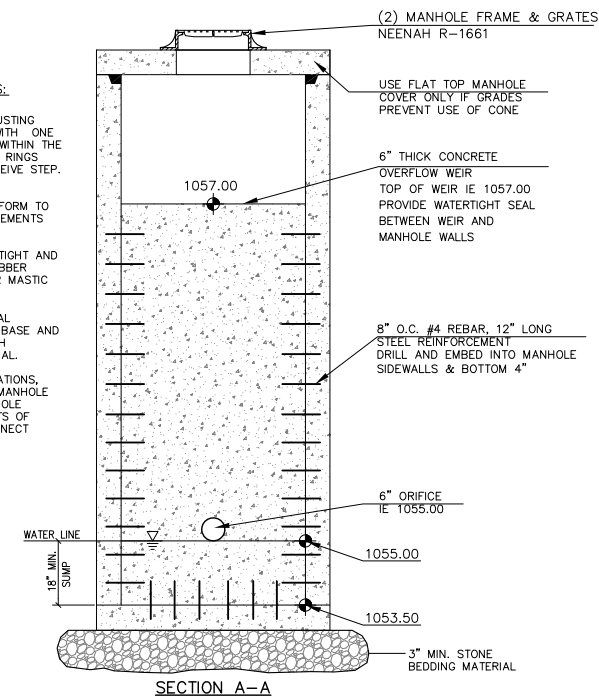
33 TRASH GUARD AT RCP APRON ENDWALLS
N.T.S.



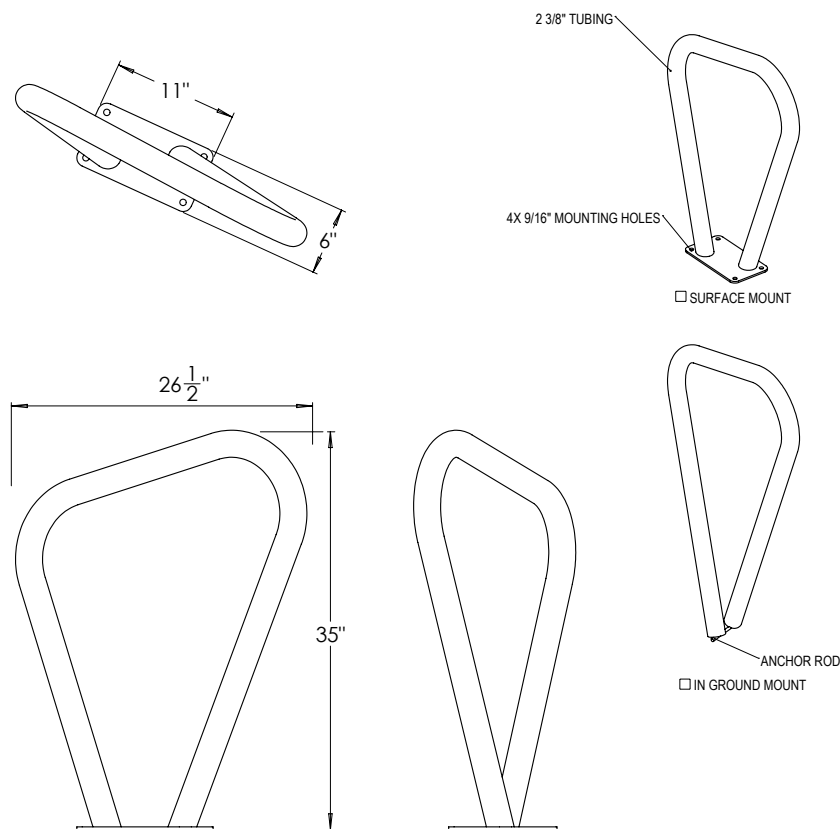
31 72-INCH UNDERGROUND STORAGE
N.T.S. OUTLET STRUCTURE

- STORM MANHOLE NOTES:

1. PRECAST CONCRETE ADJUSTING RINGS TO BE REINFORCED WITH ONE HOOP OF STEEL CENTERED WITHIN THE RING. WHERE NECESSARY, RINGS SHALL BE GROOVED TO RECEIVE STEP.
2. CONCRETE AND STEEL REINFORCEMENT SHALL CONFORM TO DESIGNATION C-478 REQUIREMENTS OF ASTM SPECIFICATIONS.
3. JOINTS SHALL BE WATERTIGHT AND SHALL BE MADE USING RUBBER GASKETS OR BUTYL RUBBER MASTIC MATERIAL.
4. 3" MIN. BEDDING MATERIAL REQUIRED UNDER MANHOLE BASE AND BACKFILL STRUT SHALL BE WITH GRANULAR BACKFILL MATERIAL.
5. SEE STANDARD SPECIFICATIONS, FILE NO. 12 FOR PRECAST MANHOLE AND NO. 13 FOR MANHOLE INVERTS, INCLUDING INVERTS OF LATER REVISIONS TO CONNECT DIRECTLY TO MANHOLES.



SECTION A-A



PART: LBR-2
DESCRIPTION: LOFTY BIKE RACK, 2 BIKE CAPACITY

DATE: 5-27-2015
ENG: BLW

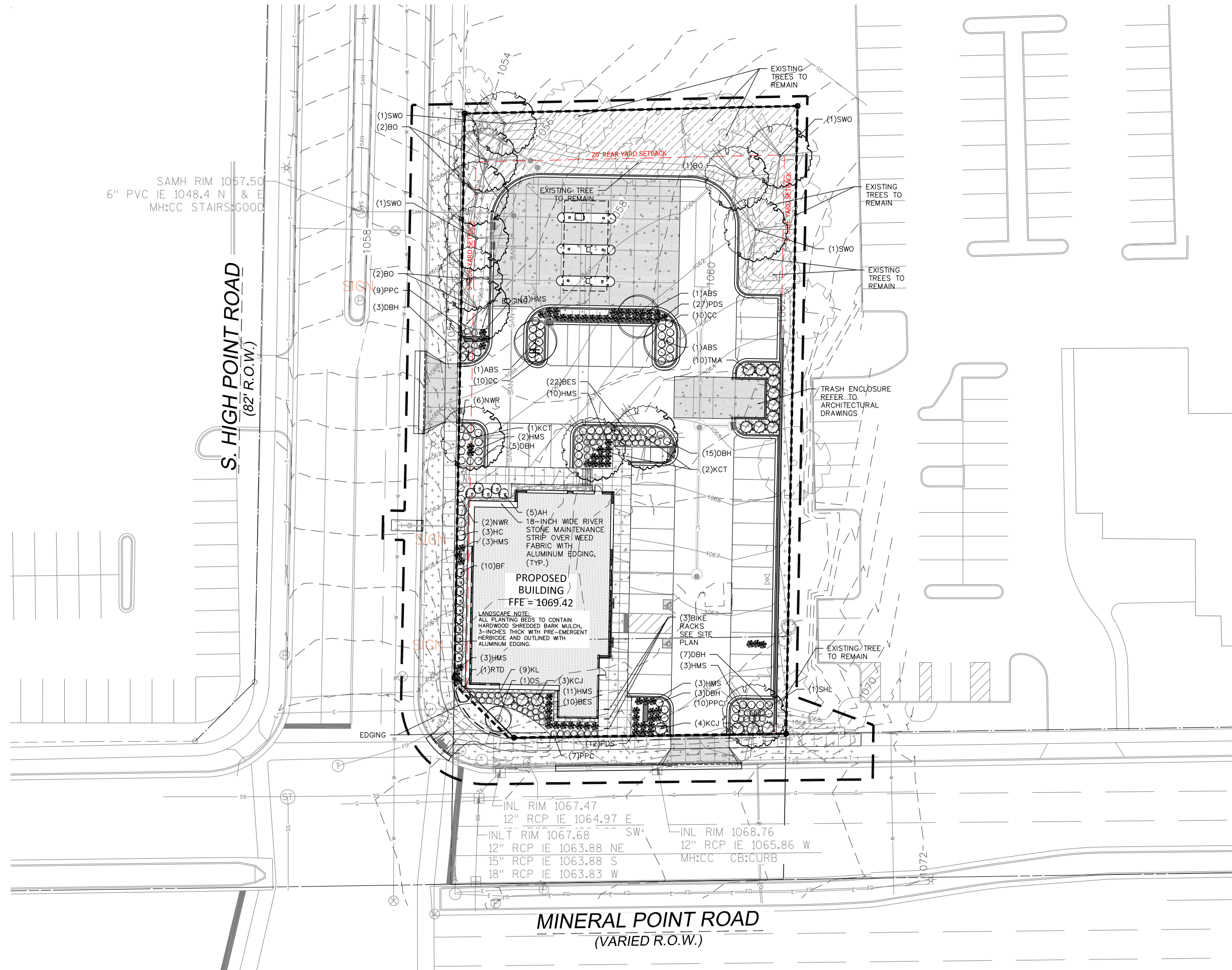
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- NOTES:
1. INSTALL BIKE RACKS ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
 2. CONSULTANT TO SELECT COLOR (FINISH), SEE MANUFACTURER'S SPECIFICATIONS.
 3. SEE SITE PLAN FOR LOCATION OR CONSULT OWNER.



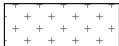
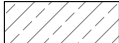















34 BICYCLE RACK CUT SHEET
N.T.S.



DIGGERS HOTLINE
Dial **811** or (800)242-8511
www.DiggersHotline.com

Scale: 
0 20 40
Scale: 1" = 40'

HATCH LEGEND

	NEW ASPHALTIC CONCRETE (LIGHT DUTY)	 C202	
	AREAS DISTURBED BY CONSTRUCTION TO BE RESTORED WITH MINIMUM 4" TOPSOIL, KENTUCKY BLUE GRASS SEED, FERTILIZER, AND MULCH (TYP). USE SALVAGED TOPSOIL OR IMPORT TOPSOIL IF REQUIRED.		
	AREAS DISTURBED BY CONSTRUCTION TO BE RESTORED WITH MINIMUM 4" TOPSOIL, NO MOW FESCUE WITH ANNUAL RYE GRASS SEED, FERTILIZER, AND MULCH (TYP). USE SALVAGED TOPSOIL OR IMPORT TOPSOIL IF REQUIRED.		
	NEW ASPHALTIC CONCRETE (HEAVY DUTY)	 C202	
	NEW ASPHALTIC CONCRETE TO MATCH EXISTING SECTION IN HIGH POINT ROAD. INSTALL PER CITY OF MADISON SPECIFICATIONS AND DETAILS		
	NEW CONCRETE SLAB	 C202	 C202
	NEW HEAVY DUTY CONCRETE SLAB	 C202	 C202
	HIGH-SIDE CONCRETE CURB & GUTTER 18" BARRIER UNLESS OTHERWISE NOTED	 C202	
	LOW-SIDE CONCRETE CURB & GUTTER 18" BARRIER UNLESS OTHERWISE NOTED	 C202	
	DEPRESSED CONCRETE CURB & GUTTER 18" DEPRESSED UNLESS OTHERWISE NOTED	 C202	

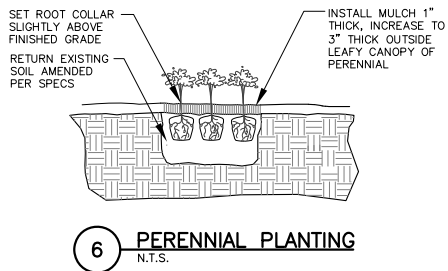
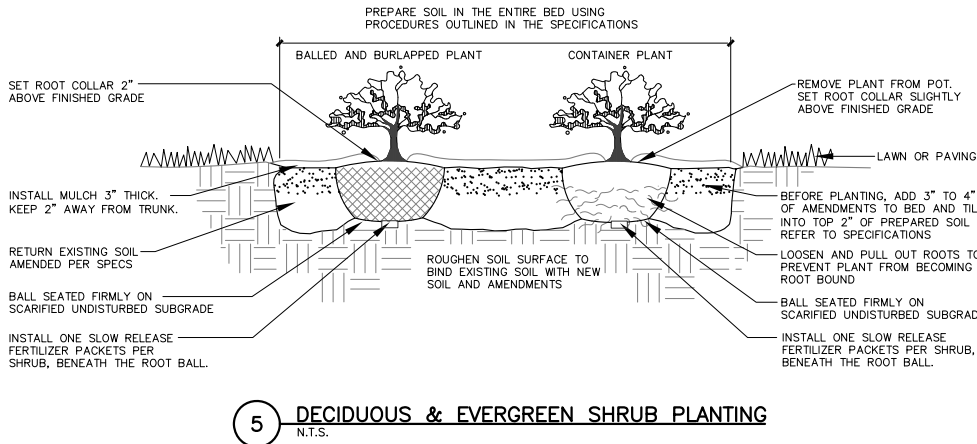
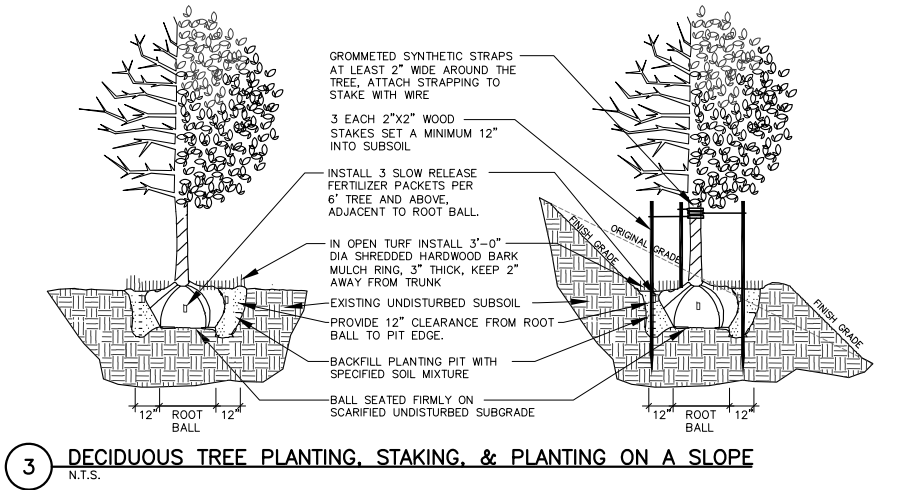
Plant Schedule					
	Scientific Name	Common Name	Quantity	Spacing	Install Size
Deciduous Trees					
	ABS Amelanchier x grandiflora 'Autumn Brilliance'	Autumn Brilliance Serviceberry (Multi-stem)	3	Per Plan	7' B&B
	BO Quercus macrocarpa	Bur Oak	5	Per Plan	2.5" caliper B&B
	DS Amelanchier arborea	Downey Serviceberry (Multi-stem)	1	Per Plan	5' B&B
	KCT Gymnocladus dioicus	Kentucky Coffee Tree (MALE SPECIES)	3	Per Plan	2.5" caliper B&B
	SHL Gleditsia triacanthos 'Shade Master'	Shademaster Honeylocust	1	Per Plan	2.5" caliper B&B
	SWO Quercus bicolor	Swamp White Oak	4	Per Plan	2.5" caliper B&B
Evergreen Shrubs					
	KCJ Juniperus x pfitzeriana 'Kallay's Compact'	Kallay Compact Juniper	7	Per Plan	#5 cont.
	TMA Thuja occidentalis 'Techny mission'	Techny Mission Arborvitae	10	Per Plan	4' B&B
Deciduous Shrubs					
	AH Hydrangea arborescens 'Annabelle'	Annabelle Hydrangea	5	Per Plan	#3 cont.
	BF Forsythia bronxensis	Bronx Forsythia	10	Per Plan	#3 cont.
	CC Cotoneaster apiculatus	Cranberry Cotoneaster	20	Per Plan	#3 cont.
	DBH Diervilla lonicera	Dwarf Bush Honeysuckle	33	Per Plan	#3 cont.
	HC Cotoneaster lucidus	Hedge Cotoneaster	3	Per Plan	#3 cont.
	HWR Rosa rugosa 'Nearly Wild'	Nearly Wild Rose	8	Per Plan	#3 cont.
	RTD Cornus sericea	Red Twig Dogwood	1	Per Plan	4' B&B
Perennials					
	BES Rudbeckia hirta	Black Eyed Susan	32	Per Plan	#1 cont.
	HMS Panicum virgatum 'Heavy Metal'	Heavy Metal Switch Grass	31	Per Plan	#1 cont.
	KL Liatris spicata 'Kobold'	Kobold Liatris	9	Per Plan	#1 cont.
	PDS Sporobolus heterolepus	Prairie Dropseed	39	Per Plan	#1 cont.
	PPC Heuchera 'Palace Purple'	Palace Purple Coral bell	25	Per Plan	#1 cont.
NOTE: Installation contractor is responsible for verifying plant count from plan. Plan quantities take precedence over list.					

PLANNING NOTES:
DEVELOPMENT AREA: 30,671 S.F.
REQUIRED POINTS: 512 PROVIDED POINTS: 1,267
FRONTAGE REQUIREMENT: 400 L.F. - 160L.F. OF BUILDING ADJACENT TO WALK: 240 L.F. / 30 = 8 TREES AND 40 SHRUBS
FRONTAGE PROVIDED: 8 TREES AND 41 SHRUBS
INTERNAL PARKING REQUIREMENT: 18,540 S.F. x 8.0% = 1,484 S.F. GREENSPACE
INTERNAL PARKING PROVIDED: 2,232 S.F.
BICYCLE PARKING REQUIRED: 9,400 SQUARE FEET FLOOR SPACE = 6 STALLS
BICYCLE PARKING PROVIDED: 6 STALLS

1 LANDSCAPE SCHEDULE
REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION

- ALL PLANT MATERIAL SHALL BE OBTAINED FROM A NURSERY LOCATED IN ZONE 5, CONFORM TO APPLICABLE REQUIREMENTS OF THE CURRENT EDITION OF THE AMERICAN STANDARD FOR NURSERY STOCK, AND BOTANICAL NAMES SHALL BE ACCORDING TO THE CURRENT EDITION OF "STANDARDIZED PLANT NAMES PREPARED BY THE AMERICAN JOINT COMMITTEE ON HORTICULTURE NOMENCLATURE.
- CONTRACTOR TO PROVIDE TO THE LANDSCAPE ARCHITECT SAMPLES OF ALL BARK AND MINERAL/STONE MULCHES, DECORATIVE GRAVELS, MAINTENANCE STRIP STONE, OR OTHER GROUND COVER MATERIALS FOR APPROVAL PRIOR TO INSTALLATION.
- BARK MULCH TO BE FRESHLY ACQUIRED HARDWOOD SHREDDED BARK MULCH. NOT DOUBLE MILLED, EXCESSIVE DIRT AND DUST LIKE MATERIAL OR OLD MATERIAL IS NOT ACCEPTABLE.
- LANDSCAPE EDGING TO BE ALUMINUM EDGING. REFER TO SPECIFICATION 32 93 00 PLANTS FOR ADDITIONAL INFORMATION.
- ALL PLANTING AREAS TO RECEIVE A 3-INCH THICK LAYER OF HARDWOOD SHREDDED BARK MULCH OVER TYPAR WEED FABRIC WITH EDGING. EDGING TO BE INSTALLED BETWEEN DIFFERENT TYPES OF MULCHES, BETWEEN MULCHES AND TURF, AND/OR WHERE SPECIFICALLY NOTED ON THE PLAN. REFER TO SPECIFICATION 32 93 00 PLANTS FOR ADDITIONAL INFORMATION.
- INSTALL SHOVEL CUT EDGE AROUND ALL INDIVIDUAL TREES AND SHRUBS IN LAWN AREAS AND ALONG PAVEMENT WHERE PLANTING AREAS ABUT TO PREVENT HARDWOOD SHREDDED BARK MULCH FROM SPILLING OUT OF PLANTING AREA.
- CONTRACTOR RESPONSIBLE FOR MAINTENANCE OF PLANT MATERIAL FOR 90 DAYS FROM INSTALLATION, INCLUDING WATERING, WEEDING, ETC. CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE OF SEEDED AREAS FOR 60 DAYS FROM INSTALLATION, INCLUDING WATERING, WEEDING, ETC. CONTRACTOR TO PROVIDE AND REVIEW MAINTENANCE INSTRUCTIONS WITH THE OWNER PRIOR TO THE COMPLETION OF THESE MAINTENANCE PERIODS. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- CLEANLY PRUNE AND REMOVE DAMAGED BRANCHES, DEAD WOOD, AND ROOTS IMMEDIATELY PRIOR TO PLANTING. DO NOT CUT LEADERS OR LEAVE "V" CROTCHES OR DOUBLE LEADERS UNLESS A MULTI-STEM TREE IS SPECIFIED.
- REMOVE BURLAP, WIRE BASKET, ROPE, TWINE, AND ALL SYNTHETIC MATERIAL FROM THE ROOTS, TRUNK, OR CROWN OF PLANT.
- REMOVE EXCESS SOIL ABOVE ROOT COLLAR.
- PLANT TREES AND SHRUBS SO THAT THE ROOT COLLAR IS 2" ABOVE FINISHED GRADE OR SEVERAL INCHES ABOVE GRADE IF PLANT IS INSTALLED IN POOR SOILS.
- PLANT TREES AND SHRUBS WITH SAME ORIENTATION AS WHEN HARVESTED FROM THE NURSERY OR TO SHOWCASE THE MOST AESTHETIC VIEW.
- PLANT ALL TREES WITH THREE SLOW RELEASE FERTILIZER PACKETS, SPACED EQUIDISTANT AROUND THE EDGE OF THE ROOT BALL.
- PLANT ALL SHRUBS WITH ONE SLOW RELEASE FERTILIZER PACKET, PLACED BELOW THE ROOTING SYSTEM.
- WATER AND TAMP BACKFILL AND ROOTS OF ALL NEWLY SET PLANT MATERIAL SO THE SOIL AND ROOTS ARE THOROUGHLY SOAKED AND AIR POCKETS ARE REMOVED.
- FOR INDIVIDUAL TREES & SHRUBS PLANTED IN TURF AREAS, PROVIDE CONTINUOUS 3" SOIL SAUCER TO CONTAIN WATER & MULCH (TREES ON SLOPES SHALL BE SAUCERED ON THE DOWNHILL SIDE)
- INSTALL 3" THICK SHREDDED HARDWOOD BARK MULCH RING 3'-0" DIA. FOR DECIDUOUS TREES AND ALL INDIVIDUAL SHRUBS IN LAWN AREAS, 5'-0" DIA. FOR EVERGREEN TREES. KEEP MULCH 2" AWAY FROM TRUNKS.
- STAKING - ONLY STAKE EVERGREEN TREES 5'-0" OR GREATER IN HEIGHT OR TREES THAT ARE UNABLE TO REMAIN UPRIGHT AFTER PLANTING. TREES WILL BECOME STRONGER FASTER WHEN THE TOP 2/3 OF THE TREE IS FREE TO SWAY. DO NOT ATTACH WIRE DIRECTLY TO TREES OR THROUGH HOSES - UTILIZE GROMMETED, SYNTHETIC STRAPS AT LEAST 2" WIDE AROUND THE TREE, ATTACH STRAPPING TO STAKE WITH WIRE. STAKE ONLY WHEN NECESSARY. STAKES SHOULD BE DRIVEN DEEPLY INTO THE GROUND TO PREVENT DISLOGGING. CHECK AT LEAST EVERY THREE MONTHS FOR BINDING OR OTHER PROBLEMS. STAKES AND TIES SHOULD BE REMOVED SIX MONTHS TO ONE YEAR AFTER PLANTING.
- STONE CHIP MAINTENANCE STRIP TO BE 3-INCHES DEEP OVER WEED FABRIC WITH ALUMINUM EDGING. CONTRACTOR TO INSTALL MAINTENANCE STRIP 18-INCHES WIDE ALONG BUILDING EDGE, WHERE INDICATED ON SITE LANDSCAPE PLAN.
- STONE CHIP TO BE 1-2-INCH DECORATIVE RIVER STONE FROM HALQUIST STONE OR EQUIVALENT. CONTRACTOR TO CONTACT HALQUIST STONE N51 W23563 LISBON ROAD SUSSEX, WI 53089 TELEPHONE (262)246-9000 EMAIL: INFO@HALQUISTSTONE.COM.
- NO MOW TO BE NO MOW FESCUE SEED MIX WITH ANNUAL RYE NURSE CROP FROM PRAIRIE NURSERY, INC. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION. PRAIRIE NURSERY ADDRESS: PO BOX 306 WESTFIELD, WI 53964. TELEPHONE: 1-800-476-9453 FAX: 608-296-2741.
- REFER TO SPECIFICATIONS 32 93 00 PLANTS AND 32 92 00 TURF AND GRASSES FOR ADDITIONAL INFORMATION.

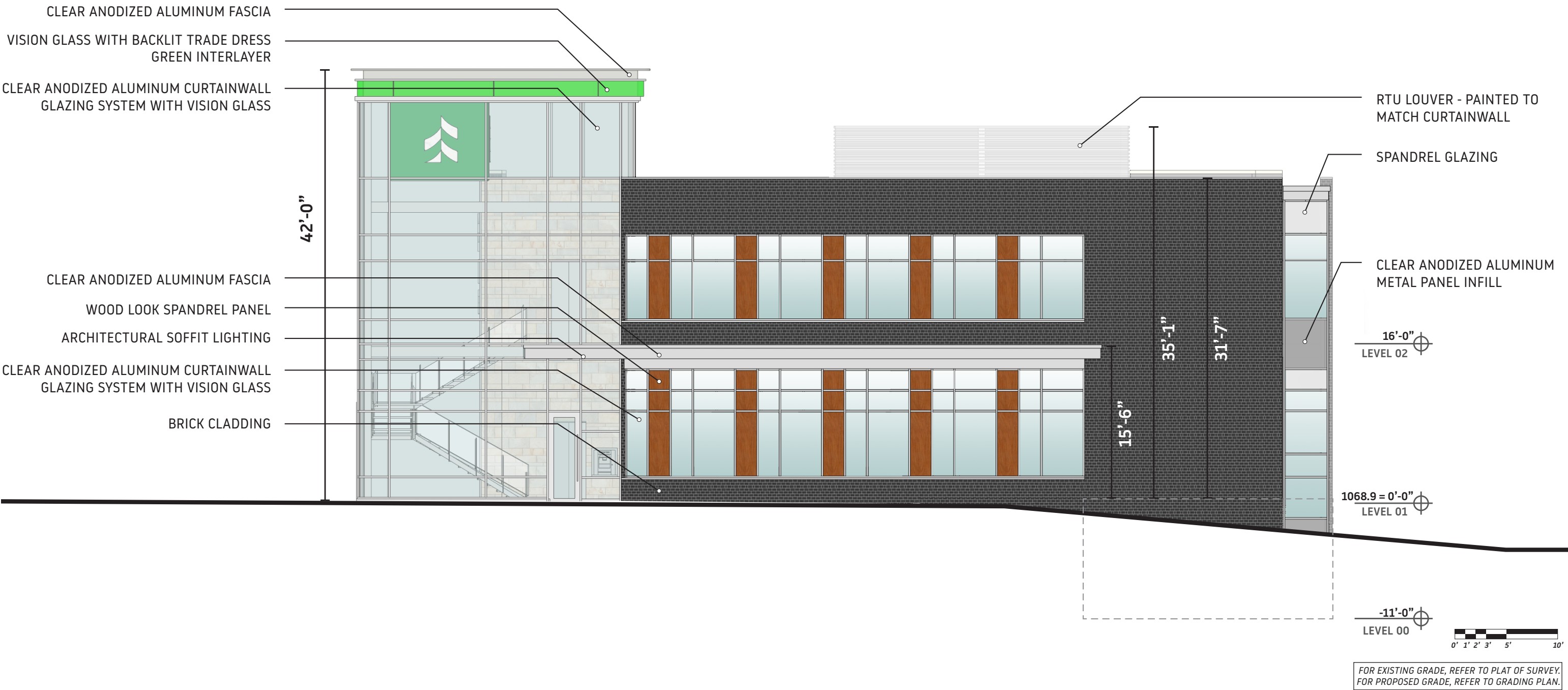
2 LANDSCAPE NOTES
REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION



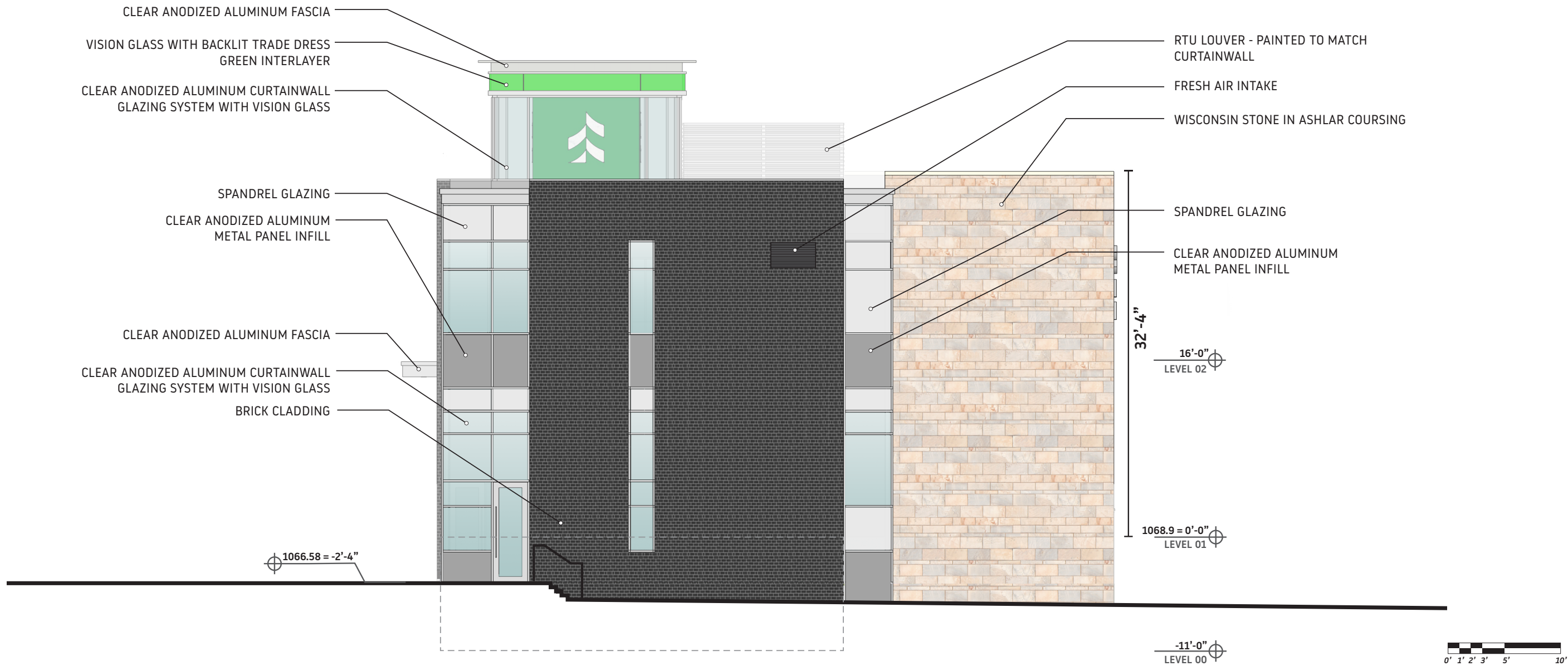


FOR EXISTING GRADE, REFER TO PLAT OF SURVEY.
FOR PROPOSED GRADE, REFER TO GRADING PLAN.

CONCEPT ELEVATION - SOUTH



CONCEPT ELEVATION - EAST

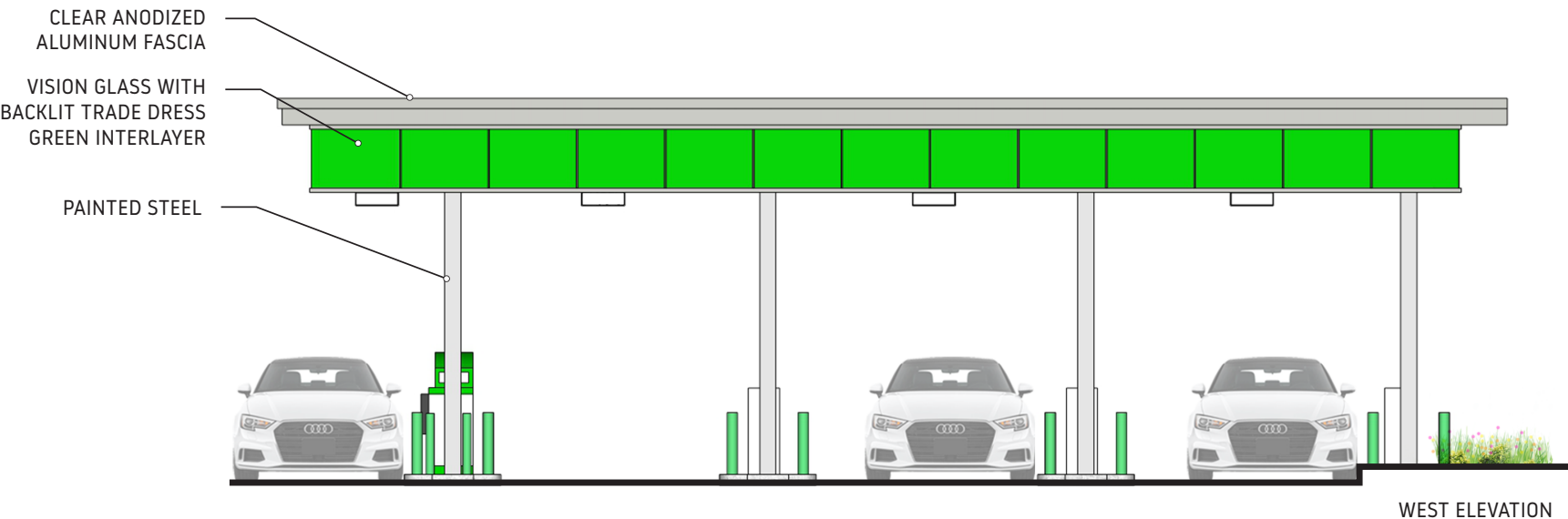
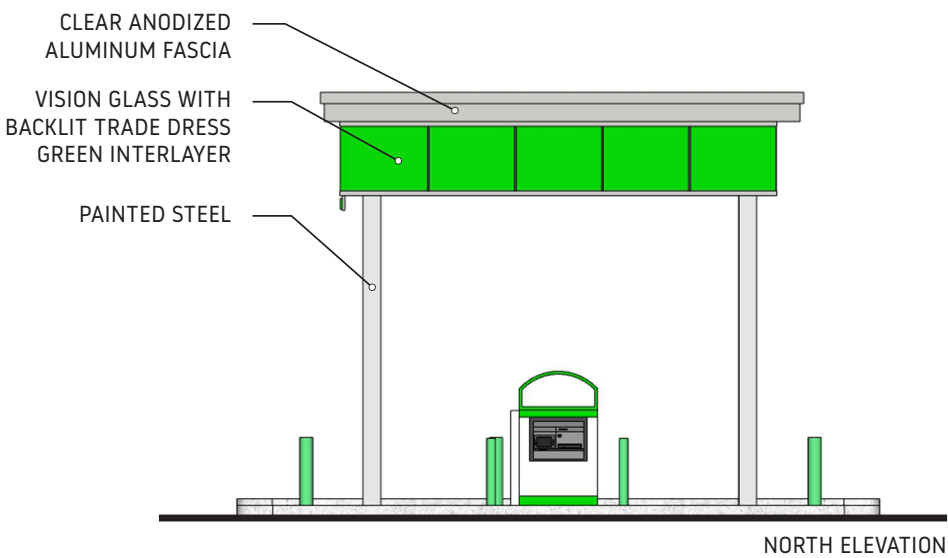
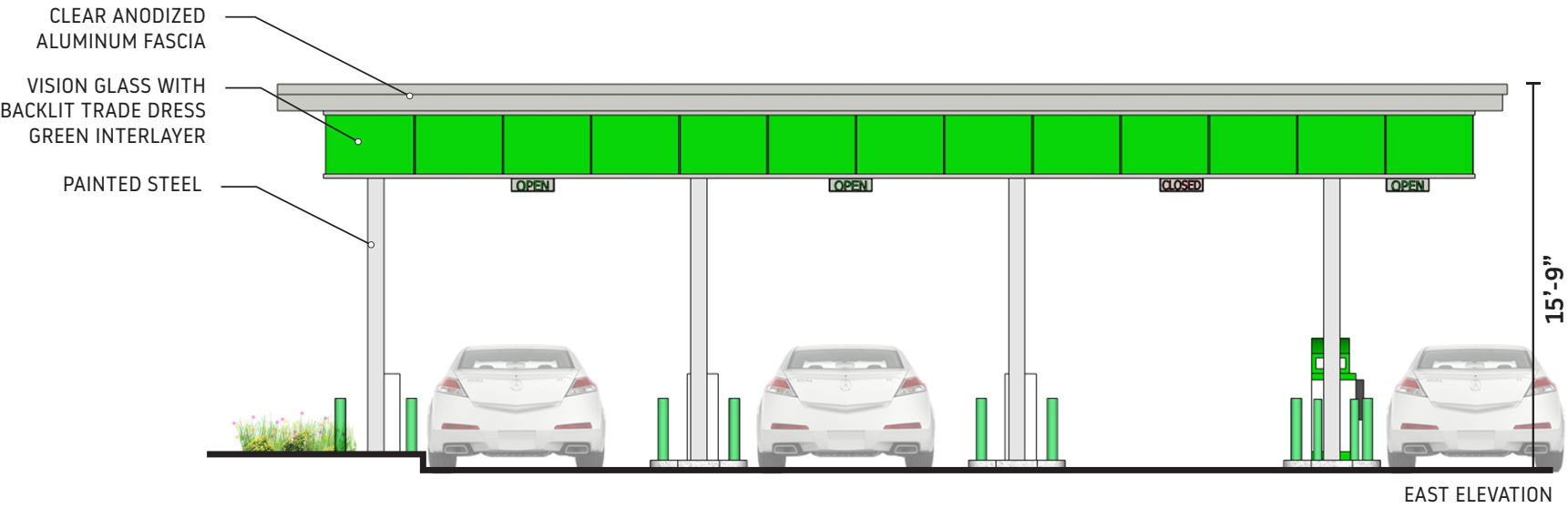
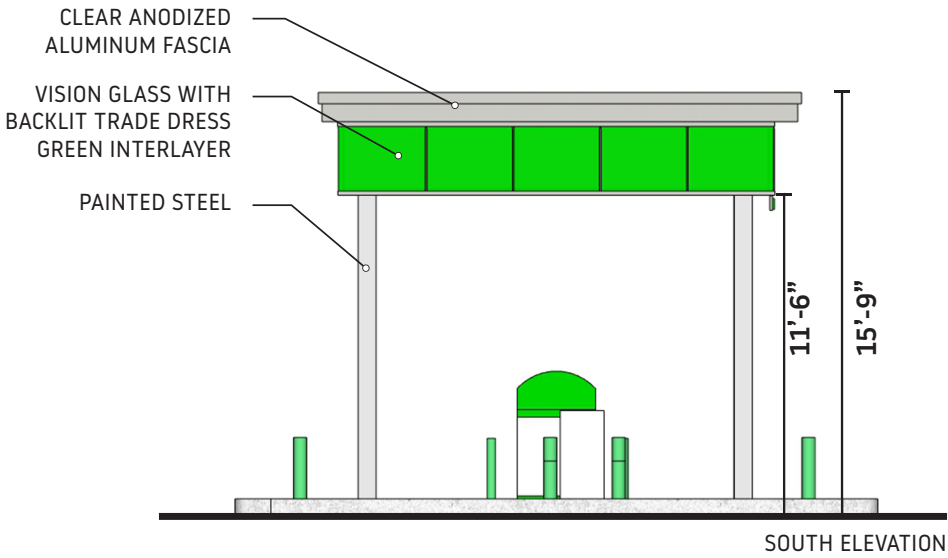


CONCEPT ELEVATION - NORTH



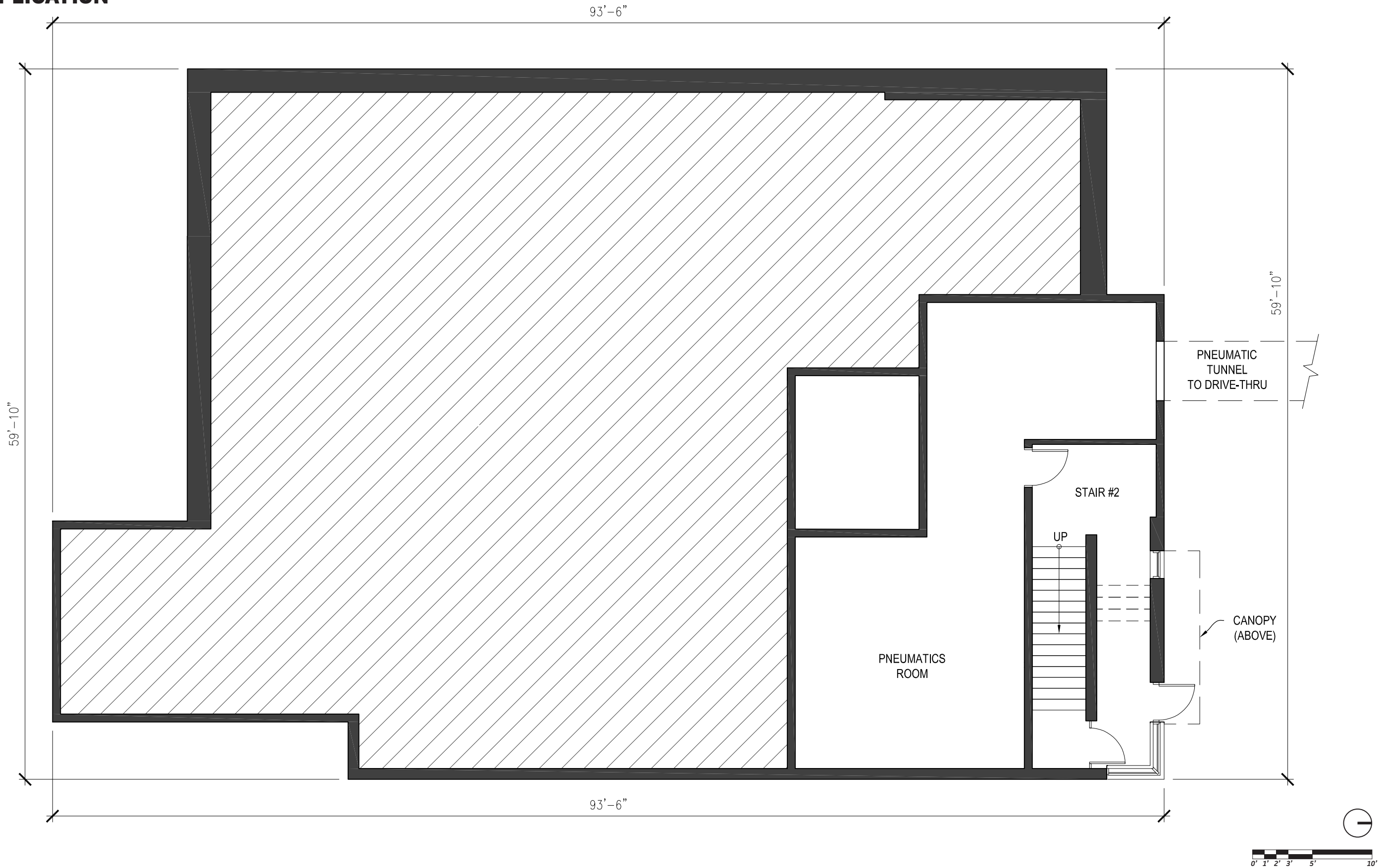
FOR EXISTING GRADE, REFER TO PLAT OF SURVEY.
FOR PROPOSED GRADE, REFER TO GRADING PLAN.

CONCEPT ELEVATION - WEST

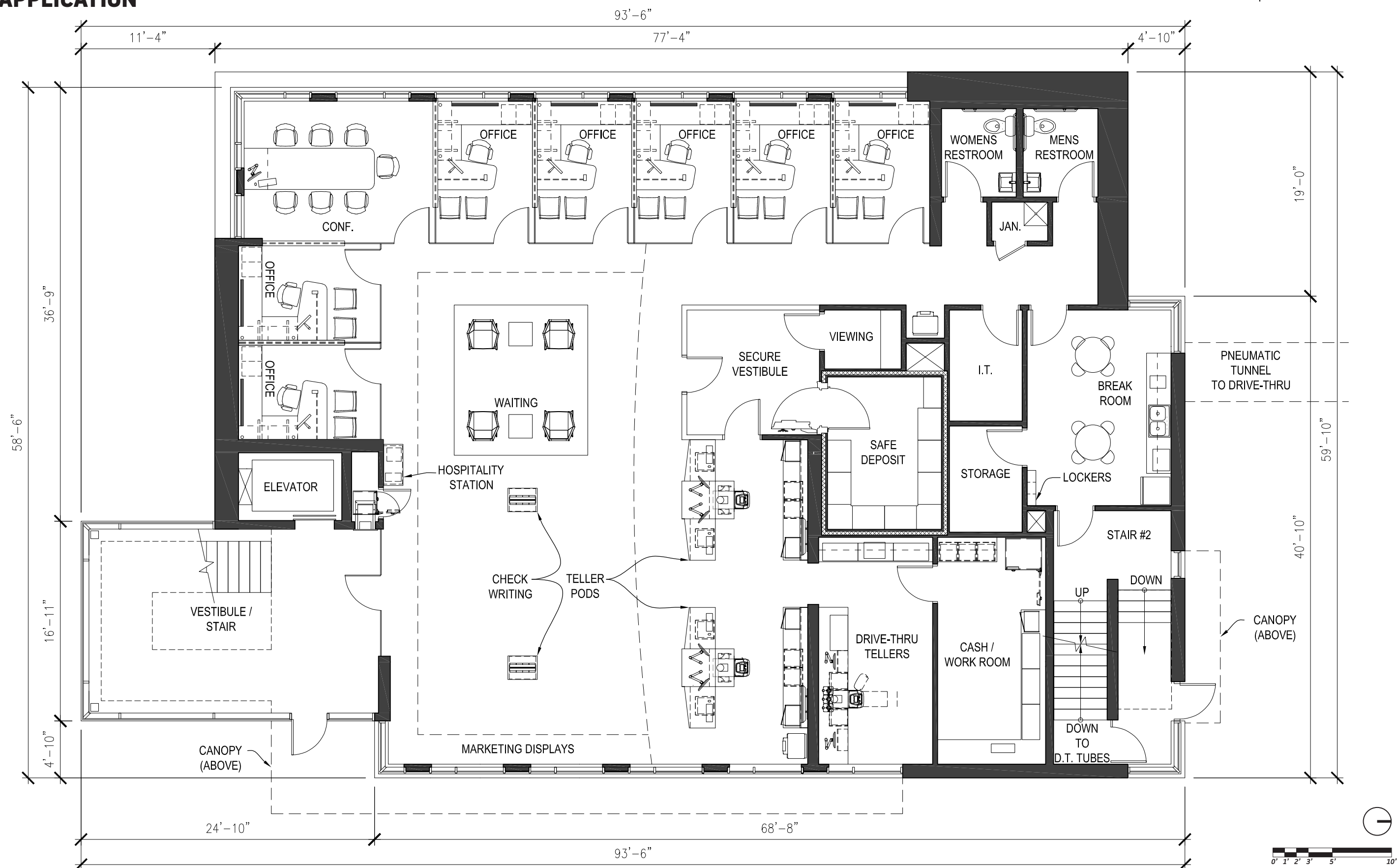


FOR EXISTING GRADE, REFER TO PLAT OF SURVEY.
FOR PROPOSED GRADE, REFER TO GRADING PLAN.

CONCEPT DRIVE THRU ELEVATIONS



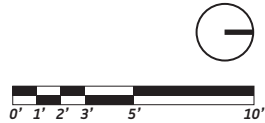
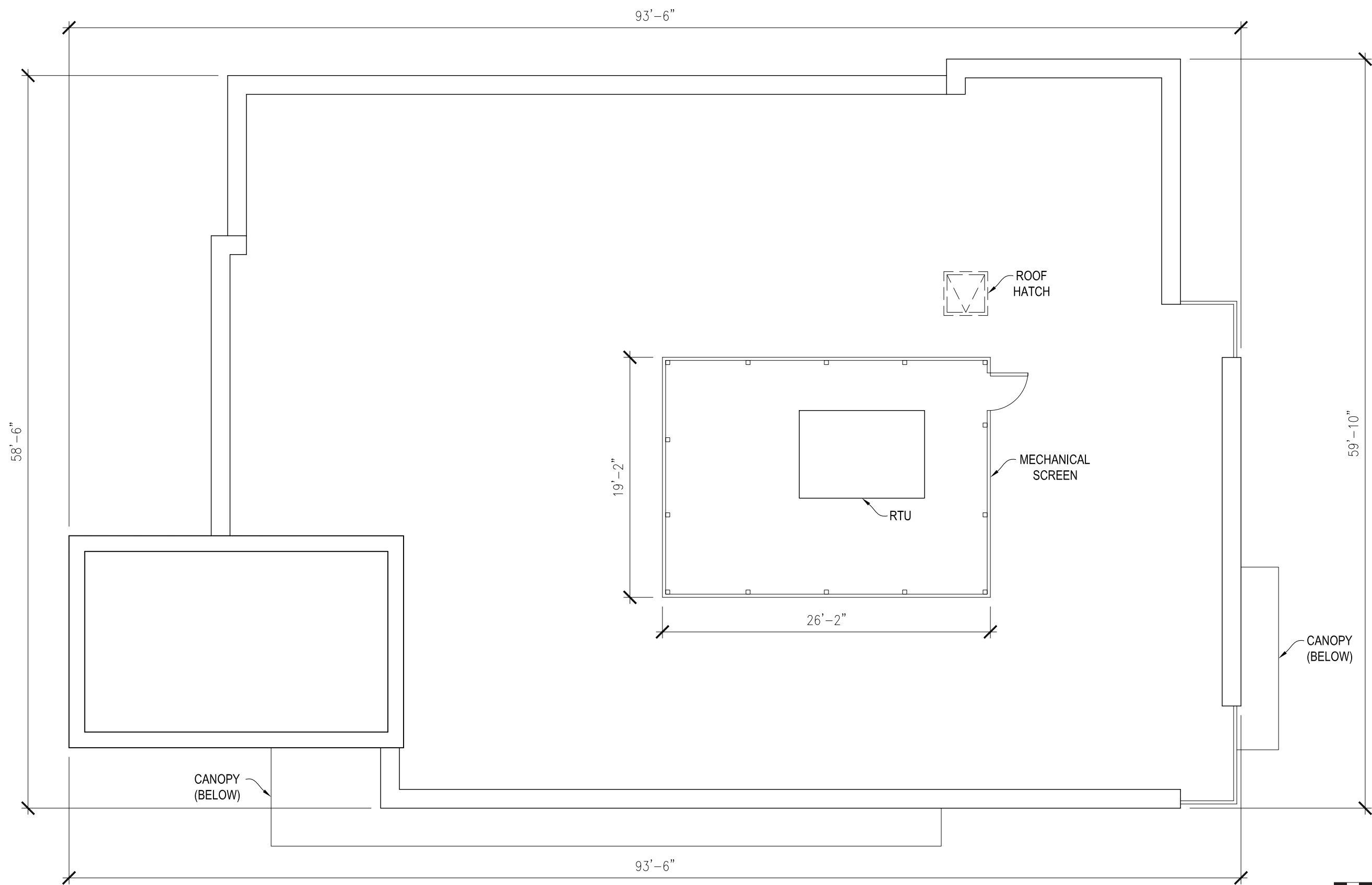
LEVEL 00 - BASEMENT
SCALE: 1/8" = 1'-0"



LEVEL 01 - BRANCH BANKING
SCALE: 1/8" = 1'-0"



LEVEL 02 - OFFICE
SCALE: 1/8" = 1'-0"



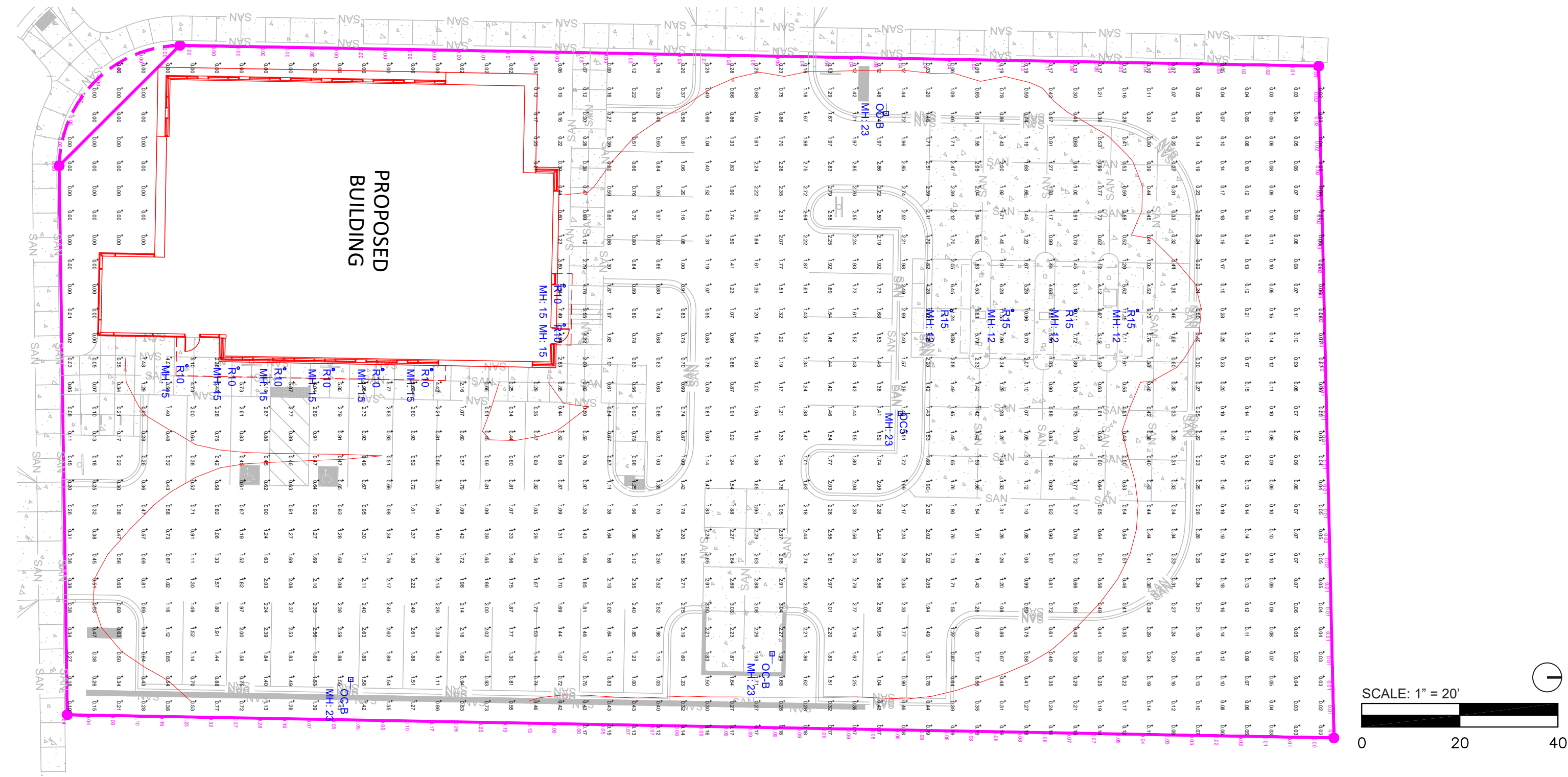
ROOF PLAN
SCALE: 1/8" = 1'-0"



CONCEPT RENDERING



CONCEPT RENDERING



Luminaire Schedule						
Qty	Label	Arrangement	LLF	MFR	Description	
8	R10	SINGLE	0.900	LITHONIA	LDN6 xx/10 L06AR LSS	Lum. Watts Total Watts Lum. Lumens
4	R15	SINGLE	0.900	LITHONIA	LDN6 xx/15 L06AR LSS	
3	OC-B	SINGLE	0.950	LITHONIA	DSX1 LED P2 40K BLC MVOLT (20FT POLE 3FT BASE)	
1	OC5	SINGLE	0.950	LITHONIA	DSX1 LED P2 xxK T5M MVOLT(20FT POLE 3FT BASE)	

Calculation Summary						
Label	CalcType	Units	Avg	Max	Min	
PROP LINE	ILLUMINANCE	Fc	0.05	0.37	0.00	Avg/Min Max/Min
SITE	ILLUMINANCE	Fc	1.21	11.55	0.00	
ATM CANOPY	ILLUMINANCE	Fc	7.40	11.6	4.1	
PARKING AREA	ILLUMINANCE	Fc	1.49	3.1	0.3	

EXTERIOR LIGHTING: PHOTOMETRIC PLAN

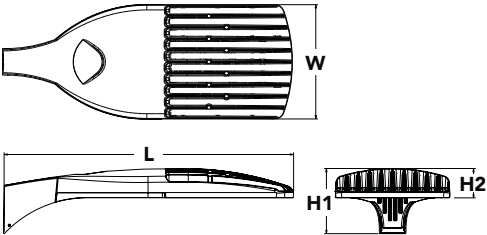


D-Series Size 1
LED Area Luminaire



Specifications

EPA:	1.01 ft ² (0.09 m ²)
Length:	33" (83.8 cm)
Width:	13" (33.0 cm)
Height H1:	7-1/2" (19.0 cm)
Height H2:	3-1/2"
Weight (max):	27 lbs (12.2 kg)



Associated Bank - Mineral Point
Type OB5
DSX1 LED P2 **K T5M MVOLT SPA STD FINISH
SSS 20 4C DM19AS STD FINISH

Type OCB
DSX1 LED P2 **K BLC MVOLT SPA STD FINISH
SSS 20 4C DM19AS STD FINISH

Introduction

The modern styling of the D-Series is striking yet unobtrusive - making a bold, progressive statement even as it blends seamlessly with its environment. The D-Series distills the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire.

The outstanding photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. It is ideal for replacing up to 750W metal halide in pedestrian and area lighting applications with typical energy savings of 65% and expected service life of over 100,000 hours.

Ordering Information

Accessories	
Ordered and shipped separately.	
DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) ²⁰
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) ²⁰
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) ²⁰
DSHORT SBK U	Shorting cap ²⁰
DSX1HS 30C U	House-side shield for P1, P2, P3, P4 and P5 ²⁰
DSX1HS 40C U	House-side shield for P6 and P7 ²⁰
DSX1HS 60C U	House-side shield for P8, P9, P10, P11 and P12 ²⁰
PUMBA DDBXD U*	Square and round pole universal mounting bracket (specify finish) ²¹
KMA8 DDBXD U	Mast arm mounting bracket adaptor (specify finish) ⁷
DSX1EGS (FINISH) U	External glare shield

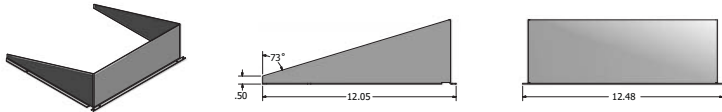
For more control options, visit [DTL](#) and [ROAM](#) online.

NOTES

- 1 P10, P11, P12 or P13 and rotated optics (L90, R90) only available together.
- 2 Any Type 5 distribution with photocell, is not available with WBA.
- 3 Not available with HS.
- 4 MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
- 5 Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
- 6 Universal mounting brackets intended for retrofit on existing, pre-drilled poles only. 1.5 G vibration load rating per ANCI C136.31.
- 7 Must order fixture with SPA option. Must be ordered as a separate accessory; see Accessories information. For use with 2-3/8" mast arm (not included).
- 8 Must be ordered with PIRHN. Sensor cover available only in dark bronze, black, white and natural aluminum colors.
- 9 Must be ordered with NLTAIR2. For more information on nLight Air 2 visit [this link](#).
- 10 Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Not available with DS option. Shorting cap included.
- 11 If ROAM® node required, it must be ordered and shipped as a separate line item from Acuity Brands Controls. Node with integral dimming.
- 12 DMG not available with PIRHN, PER5, PER7, PIR, PIRH, PIR1FC3V or PIRH1FC3V.
- 13 Provides 50/50 fixture operation via (2) independent drivers. Not available with PER, PER5, PER7, PIR or PIRH. Not available P1, P2, P3, P4 or P5.
- 14 Requires (2) separately switched circuits with isolated neutral. See Outdoor Control Technical Guide for details.
- 15 Reference Motion Sensor table on page 4.
- 16 Reference controls options table on page 4 to see functionality.
- 17 Not available with other dimming controls options.
- 18 Not available with BLC, LCCO and RCCO distribution. Also available as a separate accessory; see Accessories information.
- 19 Must be ordered with fixture for factory pre-drilling.
- 20 Requires luminaire to be specified with PER, PER5 or PER7 option. See PER Table on page 3.
- 21 For retrofit use only.

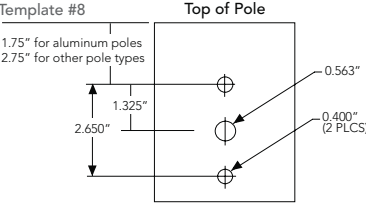
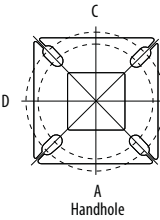
Options

EGS - External Glare Shield



Drilling

HANDHOLE ORIENTATION

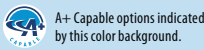


Tenon Mounting Slipfitter**

Tenon O.D.	Mounting	Single Unit	2 @ 180	2 @ 90	3 @ 120	3 @ 90	4 @ 90
2-3/8"	SPA/RPA	AS3-5 190	AS3-5 280	AS3-5 290	AS3-5 320	AS3-5 390	AS3-5 490
	SPUMBA	AS3-5 190	AS3-5 280	AS4-5 290	AS3-5 320	AS4-5 390	AS4-5 490
	RUPUMBA	AS3-5 190	AS3-5 280		AS3-5 320		
2-7/8"	SPA/RPA	AST25-190	AST25-280	AST25-290	AST25-320	AST25-390	AST25-490
	SPUMBA	AST25-190	AST25-280		AST25-320		
	RUPUMBA	AST25-190	AST25-280		AST25-320		
4"	SPA/RPA	AST35-190	AST35-280	AST35-290	AST35-320	AST35-390	AST35-490
	SPUMBA	AST35-190	AST35-280	AST35-290	AST35-320	AST35-390	AST35-490
	RUPUMBA	AST35-190	AST35-280		AST35-320		

Mounting Option	Drilling Template	Single	2 @ 180	2 @ 90	3 @ 90	3 @ 120	4 @ 90
Head Location		Side B	Side B & D	Side B & C	Side B, C & D	Round Pole Only	Side A, B, C & D
Drill Nomenclature	#8	DM19AS	DM28AS	DM29AS	DM39AS	DM32AS	DM49AS

	Drilling Template	Minimum Acceptable Outside Pole Dimension					
SPA	#8	2-7/8"	2-7/8"	3.5"	3.5"	3"	3.5"
RPA	#8	2-7/8"	2-7/8"	3.5"	3.5"	3"	3.5"
SPUMBA	#5	2-7/8"	3"	4"	4"	3.5"	4"
RPUMBA	#5	2-7/8"	3.5"	5"	5"	3.5"	5"



Ordering Information

EXAMPLE: DSX1 LED P7 40K T3M MVOLT SPA NLTAIR2 PIRHN DDBXD

DSX1 LED												
Series	LEDs		Color temperature		Distribution				Voltage		Mounting	
DSX1 LED	Forward optics		30K	3000 K	T1S	Type I short (Automotive)	TSVS	Type V very short ²		MVOLT ⁴	Shipped included	
	P1	P4 P7	40K	4000 K			TSS	Type V short ²		120 ⁵	SPA	Square pole mounting
	P2	P5 P8			T2S	Type II short					RPA	Round pole mounting
	P3	P6 P9	50K	5000 K			TSM	Type V medium ²	OC-5	08 ⁵	WBA	Wall bracket ²
	Rotated optics				T2M	Type II medium						
	P10 ¹	P12 ¹			T3S	Type III short					SPUMBA	Square pole universal mounting adaptor ⁶
	P11 ¹	P13 ¹			T3M	Type III medium					RPUMBA	Round pole universal mounting adaptor ⁶
				T4M	Type IV medium							
				TFTM	Forward throw medium			LCCO	Left corner cutoff ³	347 ⁵		
								RCCO	Right corner cutoff ³	480 ⁵		
											Shipped separately	
											KMA8 DDBXD U	Mast arm mounting bracket adaptor (specify finish) ⁷

Control options			Other options	Finish (required)		
Shipped installed			Shipped installed	Shipped installed		
NLTAIR2	nLight AIR generation 2 enabled ⁸	PIR	HS	House-side shield ¹⁸	DBBXD	Dark bronze
PIRHN	Network, high/low motion/ambient sensor ⁹	PIRH	SF	Single fuse (120, 277, 347V) ⁵	DBLXD	Black
PER	NEMA twist-lock receptacle only (controls ordered separate) ¹⁰		DF	Double fuse (208, 240, 480V) ⁵	DNAXD	Natural aluminum
PER5	Five-pin receptacle only (controls ordered separate) ^{10,11}	PIR1FC3V	L90	Left rotated optics ¹	DWHXD	White
PER7	Seven-pin receptacle only (controls ordered separate) ^{10,11}		R90	Right rotated optics ¹	DDBTXD	Textured dark bronze
DMG	0-10v dimming wires pulled outside fixture (for use with an external control, ordered separately) ¹³	PIRH1FC3V		Shipped separately	DBLBXD	Textured black
DS	Dual switching ^{12,14,15}	FAO		BS	DNATXD	Textured natural aluminum
				EGS	DWHGXD	Textured white



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Rev. 02/05/20
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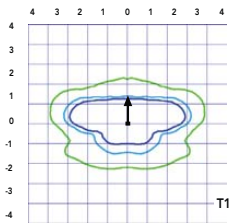
DSX1-LED
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Photometric Diagrams

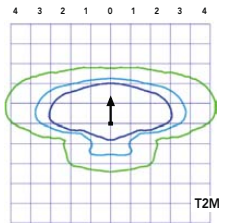
To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's [D-Series Area Size 1 homepage](#).

Isofootcandle plots for the DSX1 LED 60C 1000 40K. Distances are in units of mounting height (25').

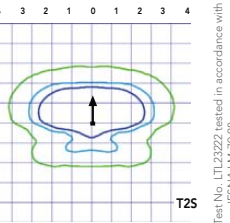
LEGEND
0.1 fc
0.5 fc
1.0 fc



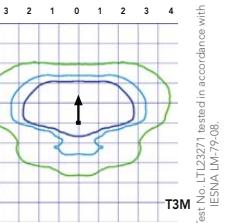
T1S
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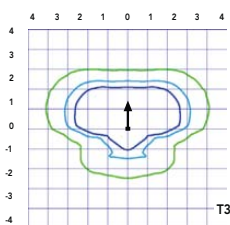
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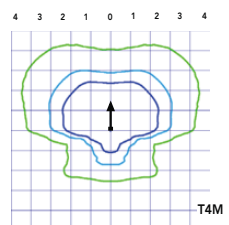
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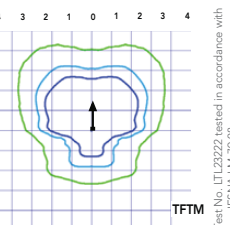
T3M
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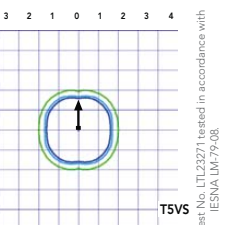
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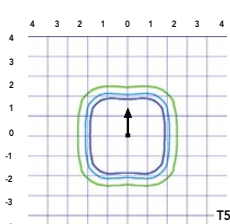
T4M
Test No. LT23164B tested in accordance with IESNA LM-79-08.



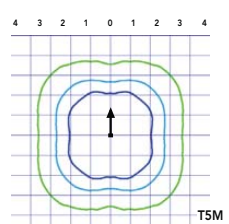
TFM
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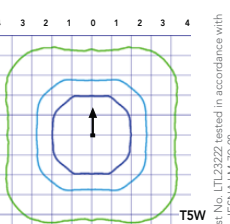
TSVS
Test No. LT23271 tested in accordance with IESNA LM-79-08.



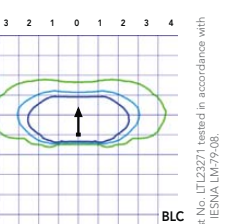
TSS
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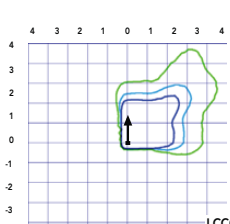
TSM
Test No. LT23164B tested in accordance with IESNA LM-79-08.



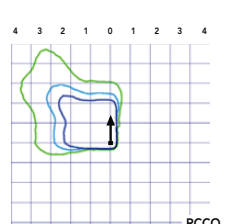
TSW
Test No. LT23222 tested in accordance with IESNA LM-79-08.



BLC
Test No. LT23271 tested in accordance with IESNA LM-79-08.



LCCO
Test No. LT23164B tested in accordance with IESNA LM-79-08.



RCCO
Test No. LT23222 tested in accordance with IESNA LM-79-08.

Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts Contact factory for performance data on any configurations not shown here.

Forward Optics																			
LED Count	Drive Current	Power Package	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
30	530	P1	54W	T1S	6,457	2	0	2	120	6,956	2	0	2	129	7,044	2	0	2	130
				T2S	6,450	2	0	2	119	6,949	2	0	2	129	7,037	2	0	2	130
				T2M	6,483	1	0	1	120	6,984	2	0	2	129	7,073	2	0	2	131
				T3S	6,279	2	0	2	116	6,764	2	0	2	125	6,850	2	0	2	127
				T3M	6,468	1	0	2	120	6,967	1	0	2	129	7,056	1	0	2	131
				T4M	6,327	1	0	2	117	6,816	1	0	2	126	6,902	1	0	2	128
				TFTM	6,464	1	0	2	120	6,963	1	0	2	129	7,051	1	0	2	131
				TSVS	6,722	2	0	0	124	7,242	3	0	0	134	7,334	3	0	0	136
				TSS	6,728	2	0	1	125	7,248	2	0	1	134	7,340	2	0	1	136
				TSM	6,711	3	0	1	124	7,229	3	0	1	134	7,321	3	0	2	136
				TSW	6,667	3	0	2	123	7,182	3	0	2	133	7,273	3	0	2	135
				BLC	5,299	1	0	1	98	5,709	1	0	2	106	5,781	1	0	2	107
				LCCO	3,943	1	0	2	73	4,248	1	0	2	79	4,302	1	0	2	80
				RCCO	3,943	1	0	2	73	4,248	1	0	2	79	4,302	1	0	2	80
30	700	P2	70W	T1S	8,249	2	0	2	118	8,886	2	0	2	127	8,999	2	0	2	129
				T2S	8,240	2	0	2	118	8,877	2	0	2	127	8,989	2	0	2	128
				T2M	8,283	2	0	2	118	8,923	2	0	2	127	9,036	2	0	2	129
				T3S	8,021	2	0	2	115	8,641	2	0	2	123	8,751	2	0	2	125
				T3M	8,263	2	0	2	118	8,901	2	0	2	127	9,014	2	0	2	129
				T4M	8,083	2	0	2	115	8,708	2	0	2	124	8,818	2	0	2	126
				TFTM	8,257	2	0	2	118	8,896	2	0	2	127	9,008	2	0	2	129
				TSVS	8,588	3	0	0	123	9,252	3	0	0	132	9,369	3	0	0	134
				TSS	8,595	3	0	1	123	9,259	3	0	1	132	9,376	3	0	1	134
				TSM	8,573	3	0	2	122	9,236	3	0	2	132	9,353	3	0	2	134
				TSW	8,517	3	0	2	122	9,175	4	0	2	131	9,291	4	0	2	133
				BLC	6,770	1	0	2	97	7,293	1	0	2	104	7,386	1	0	2	106
				LCCO	5,038	1	0	2	72	5,427	1	0	2	78	5,496	1	0	2	79
				RCCO	5,038	1	0	2	72	5,427	1	0	2	78	5,496	1	0	2	79
30	1050	P3	102W	T1S	11,661	2	0	2	114	12,562	3	0	3	123	12,721	3	0	3	125
				T2S	11,648	2	0	2	114	12,548	3	0	3	123	12,707	3	0	3	125
				T2M	11,708	2	0	2	115	12,613	2	0	2	124	12,773	2	0	2	125
				T3S	11,339	2	0	2	111	12,215	3	0	3	120	12,370	3	0	3	121
				T3M	11,680	2	0	2	115	12,582	2	0	2	123	12,742	2	0	2	125
				T4M	11,426	2	0	3	112	12,309	2	0	3	121	12,465	2	0	3	122
				TFTM	11,673	2	0	2	114	12,575	2	0	3	123	12,734	2	0	3	125
				TSVS	12,140	3	0	1	119	13,078	3	0	1	128	13,244	3	0	1	130
				TSS	12,150	3	0	1	119	13,089	3	0	1	128	13,254	3	0	1	130
				TSM	12,119	4	0	2	119	13,056	4	0	2	128	13,221	4	0	2	130
				TSW	12,040	4	0	3	118	12,970	4	0	3	127	13,134	4	0	3	129
				BLC	9,570	1	0	2	94	10,310	1	0	2	101	10,440	1	0	2	102
				LCCO	7,121	1	0	3	70	7,671	1	0	3	75	7,768	1	0	3	76
				RCCO	7,121	1	0	3	70	7,671	1	0	3	75	7,768	1	0	3	76
30	1250	P4	125W	T1S	13,435	3	0	3	107	14,473	3	0	3	116	14,657	3	0	3	117
				T2S	13,421	3	0	3	107	14,458	3	0	3	116	14,641	3	0	3	117
				T2M	13,490	2	0	2	108	14,532	3	0	3	116	14,716	3	0	3	118
				T3S	13,064	3	0	3	105	14,074	3	0	3	113	14,252	3	0	3	114
				T3M	13,457	2	0	2	108	14,497	2	0	2	116	14,681	2	0	2	117
				T4M	13,165	2	0	3	105	14,182	2	0	3	113	14,362	2	0	3	115
				TFTM	13,449	2	0	3	108	14,488	2	0	3	116	14,672	2	0	3	117
				TSVS	13,987	4	0	1	112	15,068	4	0	1	121	15,259	4	0	1	122
				TSS	13,999	3	0	1	112	15,080	3	0	1	121	15,271	3	0	1	122
				TSM	13,963	4	0	2	112	15,042	4	0	2	120	15,233	4	0	2	122
				TSW	13,872	4	0	3	111	14,944	4	0	3	120	15,133	4	0	3	121
				BLC	11,027	1	0	2	88	11,879	1	0	2	95	12,029	1	0	2	96
				LCCO	8,205	1	0	3	66	8,839	1	0	3	71	8,951	1	0	3	72
				RCCO	8,205	1	0	3	66	8,839	1	0	3	71	8,951	1	0	3	72
30	1400	P5	138W	T1S	14,679	3	0	3	106	15,814	3	0	3	115	16,014	3	0	3	116
				T2S	14,664	3	0	3	106	15,797	3	0	3	114	15,997	3	0	3	116
				T2M	14,739	3	0	3	107	15,878	3	0	3	115	16,079	3	0	3	117
				T3S	14,274	3	0	3	103	15,377	3	0	3	111	15,572	3	0	3	113
				T3M	14,704	2	0	3	107	15,840	3	0	3	115	16,040	3	0	3	116
				T4M	14,384	2	0	3	104	15,496	3	0	3	112	15,692	3	0	3	114
				TFTM	14,695	2	0	3	106	15,830	3	0	3	115	16,030	3	0	3	116
				TSVS	15,283	4	0	1	111	16,464	4	0	1	119	16,672	4	0	1	121
				TSS	15,295	3	0	1	111	16,477	4	0	1	119	16,686	4	0	1	121
				TSM	15,257	4	0	2	111	16,435	4	0	2	119	16,644	4	0	2	121
				TSW	15,157	4	0	3	110	16,328	4	0	3	118	16,534	4	0	3	120
				BLC	12,048	1	0	2	87	12,979	1	0	2	94	13,143	1	0	2	95
				LCCO	8,965	1	0	3	65	9,657	1	0	3	70	9,780	1	0	3	71
				RCCO	8,965	1	0	3	65	9,657	1	0	3	70	9,780	1	0	3	71

LAND USE APPLICATION

A+ Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and system-level interoperability.

- All configurations of this luminaire meet the Acuity Brands’ specification for chromatic consistency
- This luminaire is A+ Certified when ordered with DTL® controls marked by a shaded background. DTL DLL equipped luminaires meet the A+ specification for luminaire to photocontrol interoperability1
- This luminaire is part of an A+ Certified solution for ROAM® or XPoint™ Wireless control networks, providing out-of-the-box control compatibility with simple commissioning, when ordered with drivers and control options marked by a shaded background1

To learn more about A+, visit www.acuitybrands.com/aplus.

1. See ordering tree for details.
2. A+ Certified Solutions for ROAM require the order of one ROAM node per luminaire. Sold Separately: [Link to Roam](#); [Link to DTL DLL](#)

FEATURES & SPECIFICATIONS

INTENDED USE

The sleek design of the D-Series Size 1 reflects the embedded high performance LED technology. It is ideal for many commercial and municipal applications, such as parking lots, plazas, campuses, and streetscapes.

CONSTRUCTION

Single-piece die-cast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convective cooling. Modular design allows for ease of maintenance and future light engine upgrades. The LED drivers are mounted in direct contact with the casting to promote low operating temperature and long life. Housing is completely sealed against moisture and environmental contaminants (IP65). Low EPA (1.01 ft²) for optimized pole wind loading.

FINISH

Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Available in both textured and non-textured finishes.

OPTICS

Precision-molded proprietary acrylic lenses are engineered for superior area lighting distribution, uniformity, and pole spacing. Light engines are available in standard 3000 K, 4000 K and 5000 K (70 CRI) configurations. The D-Series Size 1 has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

ELECTRICAL

Light engine configurations consist of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L85/100,000 hours at 25°C). Class 1 electronic drivers are designed to have a power factor >90%, THD <20%, and an expected life of 100,000 hours with <1% failure rate. Easily serviceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

STANDARD CONTROLS

The DSX1 LED area luminaire has a number of control options. Dusk to dawn controls can be utilized via optional NEMA twist-lock photocell receptacles. Integrated motion sensors with on-board photocells feature field-adjustable programing and are suitable for mounting heights up to 30 feet.

nLIGHT AIR CONTROLS

The DSX1 LED area luminaire is also available with nLight® AIR for the ultimate in wireless control. This powerful controls platform provides out-of-the-box basic motion sensing and photocontrol functionality and is suitable for mounting heights up to 40 feet. Once commissioned using a smartphone and the easy-to-use CLAIRITY app, nLight AIR equipped luminaries can be grouped, resulting in motion sensor and photocell group response without the need for additional equipment. Scheduled dimming with motion sensor over-ride can be achieved when used with the nLight Eclipse. Additional information about nLight Air can be found here.

INSTALLATION

Included mounting block and integral arm facilitate quick and easy installation. Stainless steel bolts fasten the mounting block securely to poles and walls, enabling the D-Series Size 1 to withstand up to a 3.0 G vibration load rating per ANSI C136.31. The D-Series Size 1 utilizes the AERIS™ series pole drilling pattern (template #8). NEMA photocontrol receptacle are also available.

LISTINGS

UL Listed for wet locations. Light engines are IP66 rated; luminaire is IP65 rated. Rated for -40°C minimum ambient. U.S. Patent No. D672,492 S. International patent pending.

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

International Dark-Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 3000K color temperature only.

WARRANTY

5-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/support/customer-support/terms-and-conditions

Note: 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.



COMMERCIAL OUTDOOR

One Lithonia Way • Conyers, Georgia 30012 • Phone: 1-800-705-SERV (7378) • www.lithonia.com
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DSX1-LED
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CONCEPTUAL | NOT FOR CONSTRUCTION



FEATURES & SPECIFICATIONS

INTENDED USE — ThesespecificationsareforUSAstandardsonly.CheckwithfactoryforCanadian specifications. Square Straight Steel is a general purpose light pole for up to 39-foot mounting heights. This pole provides a robust yet cost effective option for mounting area lights and floodlights.

CONSTRUCTION — **Pole Shaft:** The pole shaft is of uniform dimension and wall thickness and is made of a weldable-grade, hot-rolled, commercial-quality steel tubing with a minimum yield of 55 KSI (11-gauge, .1196"), or 50 KSI (7-gauge, .1793"). Shaft is one-piece with a full-length longitudinal high-frequency electric resistance weld. Uniformly square in cross-section with flat sides, small corner radii and excellent torsional qualities. Available shaft widths are 4", 5" and 6".

Pole Top: A flush non-metalic black top cap is provided for all poles that will receive drilling patterns for side-mount luminaire arm assemblies or when ordered with PT option.

Handhole: A reinforced handhole with grounding provision is provided at 18" from the base on side A. Positioning the handhole lower may not be possible and requires engineering review; consult Tech Support-Outdoor for further information. Every handhole includes a cover and cover attachment hardware. The handhole has a nominal dimension of 2.5" x 5".

Base Cover: A durable ABS plastic two-piece full base cover, finished to match the pole, is provided with each pole assembly. Additional base cover options are available upon request.

Anchor Base/ Bolts: Anchor base is fabricated from steel that meets ASTM A36 standards and can be altered to match existing foundations; consult factory for modifications. Anchor bolts are manufactured to ASTM F1554 Standards grade 55, (55 KSI minimum yield strength and tensile strength of 75-95 KSI). Top threaded portion (nominal 12") is hot-dipped galvanized per ASTM A-153.

HARDWARE – All strctural fasteners are high-strength galvanized carbon steel. All non-structural fasteners are galvanized or zinc-plated carbon steel or stainless steel.

FINISH – Extra durable standard powder-coat finishes include Dark Bronze, White, Black, Medium Bronze and Natural Aluminum colors. Classic finishes include Sandstone, Charcoal Gray, Tennis Green, Bright Red and Steel Blue colors. Architectural Colors and Special Finishes are available by quote and include, but are not limited to Hot-dipped Galvanized, Paint over Hot-dipped Galvanized, RAL Colors, Custom Colors and Extended Warranty Finishes. Factory-applied primer paint finish is available for customer field-paint applications.

WARRANTY — 1-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

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

Catalog Number
Notes
Type



Anchor Base Poles

SSS

SQUARE STRAIGHT STEEL

See footnotes next page.

OUTDOOR

POLE-SSS

EXTERIOR LIGHTING: PROPOSED FIXTURE CUT SHEETS

LAND USE APPLICATION

SSS Square Straight Steel Poles

ORDERING INFORMATION		Lead times will vary depending on options selected. Consult with your sales representative.				Example: SSS 20 5C DM19 DDB	
SSS							
Series	Nominal fixture mounting height	Nominal shaft base size/wall thickness¹	Mounting²		Options	Finish¹⁰	
SSS	10'-39" (for 1/2 ft increments, add -6 to the pole height. Ex: 20-6 equals 20ft 6in.) See technical information table for complete ordering information.) 20ft	4C 4" 11g (.1196") 4G 4" 7g (.1793") 5C 5" 11g (.1196") 5G 5" 7g (.1793") 6G 6" 7g (.1793") See technical information table for complete ordering information.)	Tenon mounting PT Open top (includes top cap) T20 2-3/8" O.D. (2" NPS) T25 2-7/8" O.D. (2-1/2" NPS) T30 3-1/2" O.D. (3" NPS) T35 4" O.D. (3-1/2" NPS) KAC/KAD/KSE/KSF/KVR/KVF Drill mounting³ DM19 1 at 90° DM28 2 at 180° DM28 PL 2 at 180° with one side plugged DM29 2 at 90° DM39 3 at 90° DM49 4 at 90° CSX/DSX/RSX/AERIS™/OMERO™/HLA/KAX Drill mounting³ DM19AS 1 at 90° DM28AS 2 at 180° DM29AS 2 at 90° DM39AS 3 at 90° DM49AS 4 at 90° RAD drill mounting³ DM19RAD 1 at 90° DM28RAD 2 at 180° DM29RAD 2 at 90° DM32RAD 3 at 120° DM39RAD 3 at 90° DM49RAD 4 at 90°	AERIS™ Suspend drill mounting³,⁴ DM19AST_ 1 at 90° DM28AST_ 2 at 180° DM29AST_ 2 at 90° DM39AST_ 3 at 90° DM49AST_ 4 at 90° OMERO™ Suspend drill mounting³,⁴ DM19MRT_ 1 at 90° DM28MRT_ 2 at 180° DM29MRT_ 2 at 90° DM39MRT_ 3 at 90° DM49MRT_ 4 at 90°	Shipped installed L/AB Less anchor bolts (Include when anchor bolts are not needed) VD Vibration damper TP Tamper resistant handhole cover fasteners HAxy Horizontal arm bracket (1 fixture)⁵,⁶ FDLxy Festoon outlet less electrical⁵ CPL12/xy 1/2" coupling⁵ CPL34/xy 3/4" coupling⁵ CPL1/xy 1" coupling⁵ NPL12/xy 1/2" threaded nipple⁵ NPL34/xy 3/4" threaded nipple⁵ NPL1/xy 1" threaded nipple⁵ EHHxy Extra handhole⁵,⁷ MAEX Match existing⁸ USPOM United States point of manufacture⁹ IC Interior coating¹⁰ UL UL listed with label (Includes NEC compliant cover) NEC NEC 410.30 compliant gasketed handhole (Not UL Labeled) Shipped separately (replacement kit available) (blank) FBC Full base cover (plastic) (blank) TC Top cap (blank) HHC Handhole cover	Standard colors DDBXD Dark bronze DWHXD White DBLXD Black DMBXD Medium bronze DNAXD Natural aluminum Classic colors DSS Sandstone DGC Charcoal gray DTG Tennis green DBR Bright red DSB Steel blue Architectural Colors and Special Finishes¹ Galvanized, Paint over Galvanized, RAL Colors, Custom Colors and Extended Warranty Finishes available.	

- NOTES:
1. Wall thickness will be signified with a "C" (11 Gauge) or a "G" (7-Gauge) in nomenclature. "C" - 0.1196" | "G" - 0.1793".
2. PT open top poles include top cap. When ordering tenon mounting and drill mounting for the same pole, follow this example: DM28/T20. The combination includes a required extra handhole.
3. Refer to the fixture spec sheet for the correct drilling template pattern and orientation compatibility.
4. Insert "1" or "2" to designate fixture size; e.g. DM19AST2.
5. Specify location and orientation when ordering option.
For "x": Specify the height above the base of pole in feet or feet and inches; separate feet and inches with a "-".
Example: 5ft = 5 and 20ft 3in = 20-3
For "y": Specify orientation from handhole (A,B,C,D)
Refer to the Handhole Orientation diagram below.
Example: 1/2" coupling at 5' 8", orientation C = CPL12/5-8C
6. Horizontal arm is 18" x 2-3/8" O.D. tenon standard, with radius curve providing 12" rise and 2-3/8" O.D. If ordering two horizontal arm at the same height, specify with HAxyy. Example: HA20BD.
7. Combination of tenon-top and drill mount includes extra handhole.
8. Must add original order number of existing pole(s).
9. Use when mill certifications are required.
10. Provides enhanced corrosion resistance.
11. Additional colors available; see www.lithonia.com/archcolors or Architectural Colors brochure (Form No. 794.3). Available by formal quote only, consult factory for details.



POLE-SSS

OUTDOOR: One Lithonia Way Conyers, GA 30012 Phone: 800-705-SERV (7378) www.lithonia.com

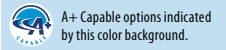
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CONCEPTUAL | NOT FOR CONSTRUCTION



FEATURES & SPECIFICATIONS

INTENDED USE — Typical applications include corridors, lobbies, conference rooms and private offices.
CONSTRUCTION — Galvanized steel mounting/plaster frame; galvanized steel junction box with bottom-hinged access covers and spring latches. Reflectors are retained by torsion springs. Vertically adjustable mounting brackets with commercial bar hangers provide 3-3/4" total adjustment. Two combination ½"-3/4" and four ½" knockouts for straight-through conduit runs. Capacity: 8 (4 in, 4 out). No. 12 AWG conductors, rated for 90°C.
Accommodates 12"-24" joist spacing.
Passive cooling thermal management for 25°C standard; high ambient (40°C) option available. Light engine and drivers are accessible from above or below ceiling.
Max ceiling thickness 1-1/2".
OPTICS — LEDs are binned to a 3-step SDCM; 80 CRI minimum. 90 CRI optional.
LED light source concealed with diffusing optical lens.
General illumination lighting with 1.0 S/MH and 55° cutoff to source and source image.
Self-flanged anodized reflectors in specular, semi-specular, or matte diffuse finishes. Also available in white and black painted reflectors.
ELECTRICAL — Multi-volt (120-277V, 50/60Hz) 0-10V dimming drivers mounted to junction box, 10% or 1% minimum dimming level available.
0-10V dimming fixture requires two (2) additional low-voltage wires to be pulled.
70% lumen maintenance at 60,000 hours.
LISTINGS — Certified to US and Canadian safety standards. Wet location standard (covered ceiling). IP55 rated. ENERGY STAR® certified product.
WARRANTY — 5-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/support/customer-support/terms-and-conditions
Note: 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.

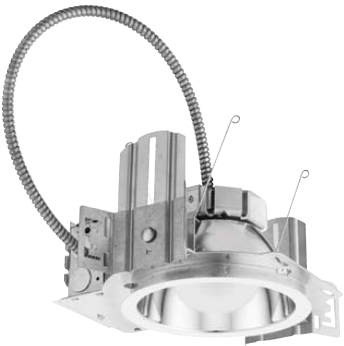


ORDERING INFORMATION		Lead times will vary depending on options selected. Consult with your sales representative.				Example: LDN6 35/15 L06AR LSS MVOLT EZ10			
LDN6									
Series		Color temperature	Lumens¹		Aperture/Trim Color		Finish	Voltage	
LDN6	6" round	27/ 2700K 30/ 3000K 35/ 3500K 40/ 4000K 50/ 5000K	05 500 lumens 10 1000 lumens 15 1500 lumens 20 2000 lumens	25 2500 lumens 3000 lumens 4000 lumens 50 5000 lumens	L06 Downlight LW6 Wallwash	AR Clear WR² White BR² Black	LSS Semi-specular LD Matte diffuse LS Specular	MVOLT Multi-volt 120 120V 277 277V 347³ 347V	

Driver	Options			
GZ10	0-10V driver dims to 10%	SF⁴ Single fuse TRW⁵ White painted flange TRBL⁵ Black painted flange	N80⁸ nLight™ Lumen Compensation NPS80EZ⁷ nLight® dimming pack controls 0-10V eldoLED drivers (EZ10, EZ1).	
GZ1	0-10V driver dims to 1%	EL⁶ Emergency battery pack with integral test switch. 10W Constant Power, Not Certified in CA Title 20 MAEDBS	NPS80EZER⁷ nLight® dimming pack controls 0-10V eldoLED drivers (EZ10, EZ1). ER controls fixtures on emergency circuit.	
EZ10	0-10V eldoLED driver with smooth and flicker-free deep dimming performance down to 10%	ELR⁶ Emergency battery pack with remote test switch. 10W Constant Power, Not Certified in CA Title 20 MAEDBS ELSD⁶ Emergency battery pack with self-diagnostics, integral test switch. 10W Constant Power, Not Certified in CA Title 20 MAEDBS	HAO¹¹ High ambient option CP¹² Chicago Plenum RRL___ RELOC®-ready luminaire connectors enable a simple and consistent factory installed option across all ABL luminaire brands. Refer to RRL for complete nomenclature. Available only in RRLA, RRLB, RRLAE, and RRLC12S.	
EZ1	0-10V eldoLED driver with smooth and flicker-free deep dimming performance down to 1%	ELRSD⁶ Emergency battery pack with self-diagnostics, remote test switch. 10W Constant Power, Not Certified in CA Title 20 MAEDBS E10WCP⁶ Emergency battery pack, 10W Constant Power with integral test switch. Certified in CA Title 20 MAEDB E10WCPR⁶ Emergency battery pack, 10W Constant Power with remote test switch. Certified in CA Title 20 MAEDB	NLTAIR2⁹,¹⁰ nLight® Air enabled NLTAIRER2⁹,¹⁰ nLight® AIR Dimming Pack Wireless Controls. Controls fixtures on emergency circuit, not available with battery pack options	
		NPP16D⁷ nLight® network power/relay pack with 0-10V dimming for non-eldoLED drivers (GZ10, GZ1).	USPOM US point of manufacture	
		NPP16DER⁷ nLight® network power/relay pack with 0-10V dimming for non-eldoLED drivers (GZ10, GZ1). ER controls fixtures on emergency circuit.	90CRI High CRI (90+)	

Accessories: Order as separate catalog number.	
PS10SSCP	FMC Power Sentry battery pack, T20 compliant, field installable, 10w constant power
EAC ISSM 375	Compact interruptible emergency AC power system
EAC ISSM 125	Compact interruptible emergency AC power system
GRA68 IZ	Oversized trim ring with 8" outside diameter¹
SCA6	Sloped ceiling adapter. Refer to TECH-SCA for more options.

- Notes**
- Overall height varies based on lumen package; refer to dimensional chart on page 3.
 - Not available with finishes.
 - Not available with emergency options.
 - Must specify voltage 120V or 277V.
 - Available with clear (AR) reflector only.
 - 12.5" of plenum depth or top access required for battery pack maintenance.
 - Specify voltage. ER for use with generator supply EM power. Will require an emergency hot feed and normal hot feed.
 - Fixture begins at 80% light level. Must be specified with NPS80EZ or NPS80EZ ER. Only available with EZ10 and EZ1 drivers.
 - Not available with CP, NPS80EZ, NPS80EZER, NPP16D, NPP16DER or N80 options.
 - NLTAIR2 and NLTAIRER2 not recommended for metal ceiling installations.
 - Fixture height is 6.5" for all lumen packages with HAO.
 - Must specify voltage for 3000lm. 5000lm with marked spacing 24 L x 24 W x 14 H. Not available with emergency battery pack option.



LDN6

6" OPEN and WALLWASH LED
Non-IC
New Construction Downlight



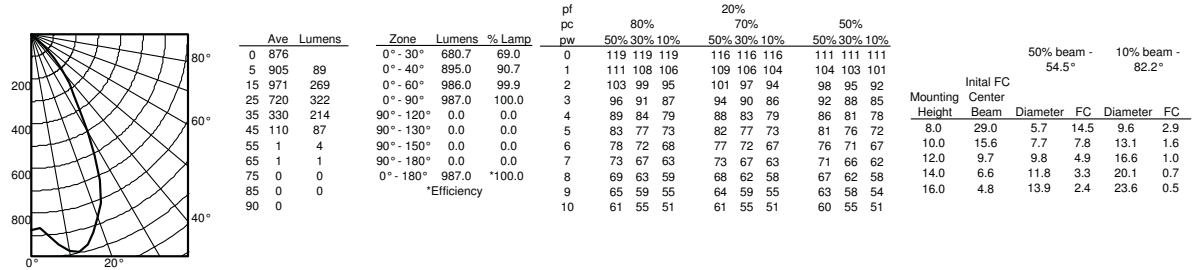
EXTERIOR LIGHTING: PROPOSED FIXTURE CUT SHEETS

LDN6

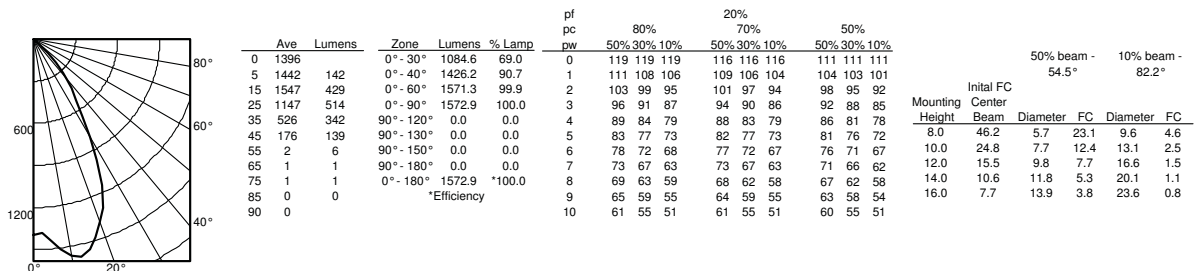
PHOTOMETRY

Distribution Curve	Distribution Data	Output Data	Coefficient of Utilization	Illuminance Data at 30" Above Floor for a Single Luminaire
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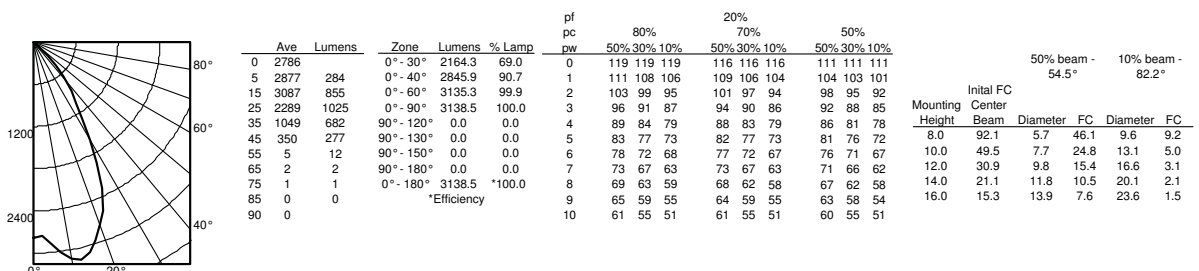
LDN6 35/10 L06AR, input watts: 10.44, delivered lumens: 987.10, LM/W = 94.54, spacing criterion at 0= 1.02, test no. ISF 30716P262.



LDN6 35/15 L06AR, input watts: 17.52, delivered lumens: 1572.9, LM/W = 89.77, spacing criterion at 0= 1.02, test no. ISF 30716P265.

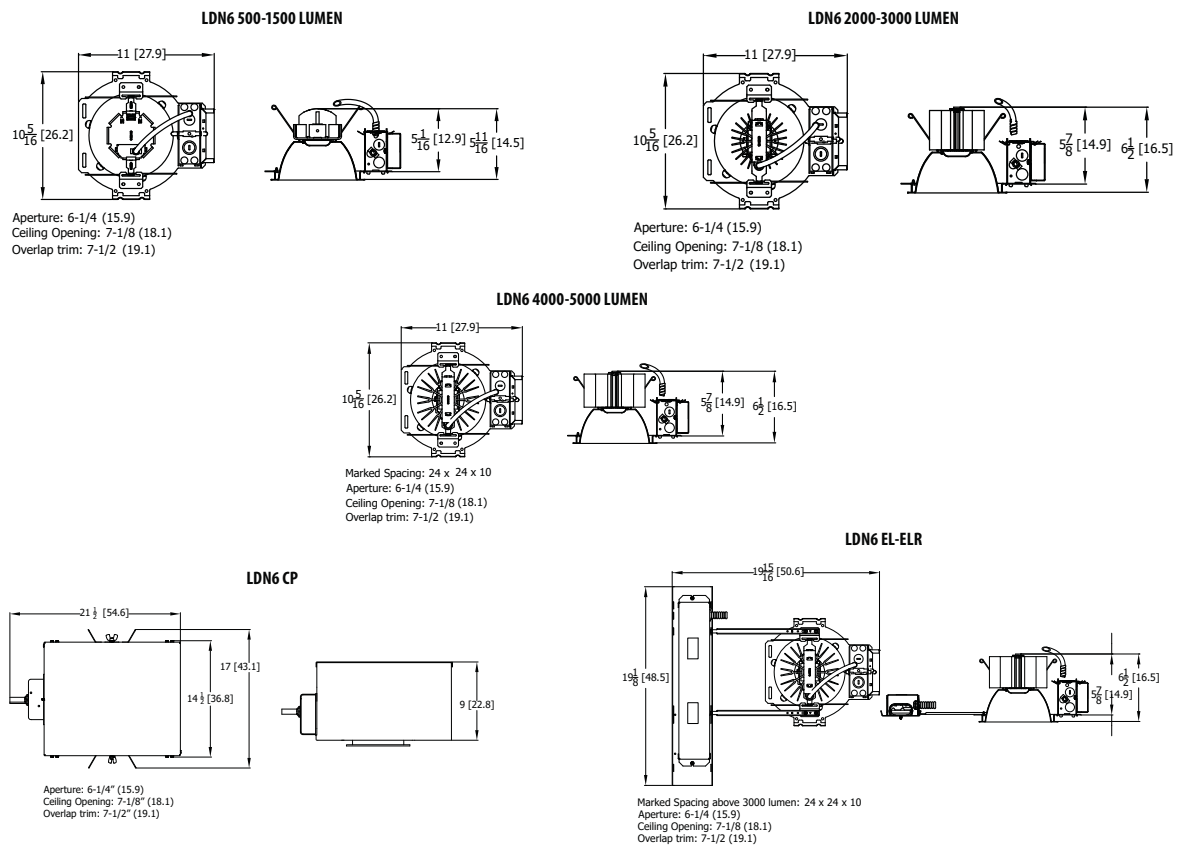


LDN6 35/30 L06AR, input watts: 34.75, delivered lumens: 3138.5, LM/W = 90.31, spacing criterion at 0= 1.02, test no. ISF 30716P274.



LDN6

* All dimensions are inches (centimeters) unless otherwise noted.



LDN6			
Nominal Lumens	Lumens	Wattage	Lm/W
500	527.9	5.8	90.5
750	758.1	8.9	85.1
1000	950.1	10.4	91.0
1500	1514	17.5	86.4
2000	2006	22.5	89.1
2500	2504	28.3	88.6
3000	3021	34.8	86.9
4000	4008	44.3	90.6
5000	4975	57.7	86.3

HOW TO ESTIMATE DELIVERED LUMENS IN EMERGENCY MODE

Use the formula below to estimate the delivered lumens in emergency mode

Delivered Lumens = 1.25 x P x LPW

P = Ouput power of emergency driver. P = 10W for PS1055CP

LPW = Lumen per watt rating of the luminaire. This information is available on the ABL luminaire spec sheet.

The LPW rating is also available at [Designlight Consortium](#).

LUMEN OUTPUT MULTIPLIERS - FINISH			
	Clear (AR)	White (WR)	Black (BR)
Specular (LS)	1.0	N/A	N/A
Semi-specular (LSS)	0.950	N/A	N/A
Matte diffuse (LD)	0.85	N/A	N/A
Painted	N/A	0.87	0.73

LUMEN OUTPUT MULTIPLIERS - CCT					
	2700K	3000K	3500K	4000K	5000K
80CRI	0.950	0.966	1.000	1.025	1.101

Notes

- Tested in accordance with IESNA LM-79-08.
- Tested to current IES and NEMA standards under stabilized laboratory conditions.
- CRI: 80 typical.



LDN6

DOWNLIGHTING: One Lithonia Way Conyers, GA 30012 Phone: 800-705-SERV (7378) www.lithonia.com

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EXTERIOR LIGHTING: PROPOSED FIXTURE CUT SHEETS



EXISTING EXTERIOR - TO BE DEMOLISHED



EXISTING INTERIOR - TO BE DEMOLISHED