WHEATON FRANCISCAN HEALTHCARE
FAMILY CARE CENTER

Wheaton Franciscan Healthcare
St. Joseph

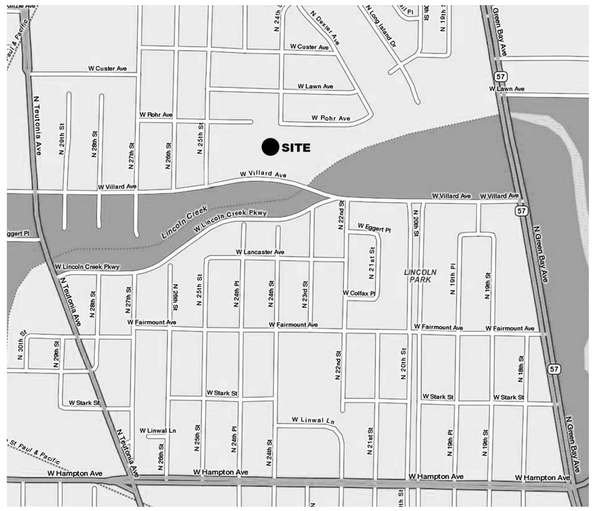
Family Care Center

In Partnership with the Medical College of Wisconsin

Client Logo

2400 W. VILLARD AVE.
MILWAUKEE, WI 53209

Project Location



Vicinity Key Plan

Flad Project Number
11022-00

Description of Package
DETAILED PLAN DEVELOPMENT
CITY OF MILWAUKEE

Date
05/09/2011

Project Image - Rendering

Architect

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Structural Engineer

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Civil & Mechanical Engineer

ARNOLD & O'SHERIDAN Consulting Engineers
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Construction Manager

The Concord Group
Construction Consultants
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FULL SIZE SHEETS

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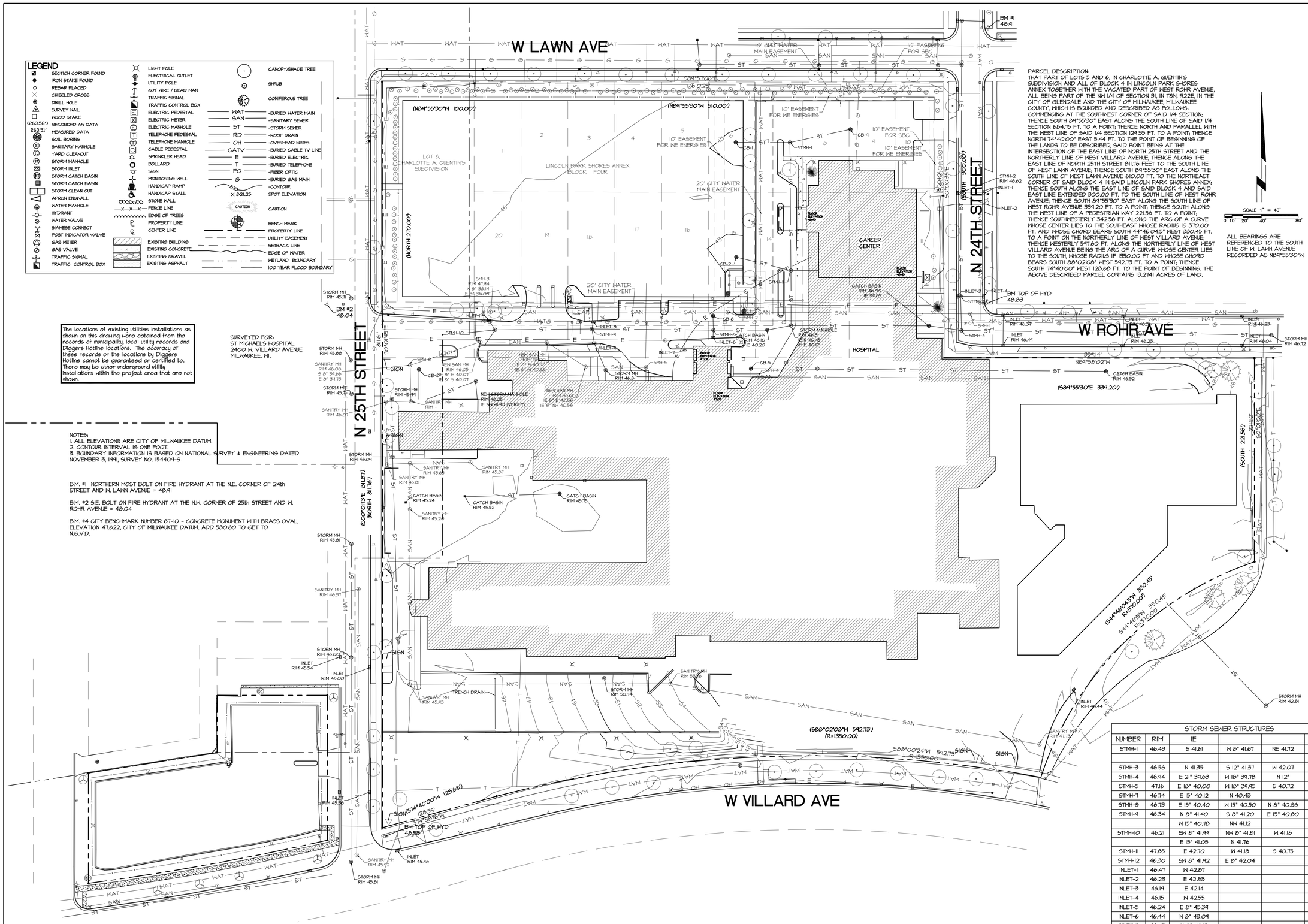
8.1/2"x11" SHEETS

MISC. SITE PHOTOS (SHTS 001-013)
SITE LIGHTING PRODUCT DATA
DRT COMMENTS AND RESPONSES



The locations of existing utilities installations as shown on this drawing were obtained from the records of municipality, local utility records and Diggers Hotline locations. The accuracy of these records or the locations by Diggers Hotline cannot be guaranteed or certified to. There may be other underground utility installations within the project area that are not shown.

SURVEYED FOR:
ST MICHAELS HOSPITAL
2400 W. VILLARD AVENUE
MILWAUKEE, WI.

NOTES:
1. ALL ELEVATIONS ARE CITY OF MILWAUKEE DATUM.
2. CONTOUR INTERVAL IS ONE FOOT.
3. BOUNDARY INFORMATION IS BASED ON NATIONAL SURVEY & ENGINEERING DATED NOVEMBER 3, 1991, SURVEY NO. 154404-S

B.M. #1 NORTHERN MOST BOLT ON FIRE HYDRANT AT THE N.E. CORNER OF 24th STREET AND W. LAWN AVENUE = 48.91

B.M. #2 S.E. BOLT ON FIRE HYDRANT AT THE N.W. CORNER OF 25th STREET AND W. ROHR AVENUE = 48.04

B.M. #4 CITY BENCHMARK NUMBER 67-10 - CONCRETE MONUMENT WITH BRASS OVAL, ELEVATION 47.622, CITY OF MILWAUKEE DATUM. ADD 580.60 TO GET TO N.G.V.D.

PARCEL DESCRIPTION:
THAT PART OF LOTS 5 AND 6, IN CHARLOTTE A. QUENTIN'S SUBDIVISION AND ALL OF BLOCK 4 IN LINCOLN PARK SHORES ANNEX TOGETHER WITH THE VACATED PART OF WEST ROHR AVENUE, ALL BEING PART OF THE NW 1/4 OF SECTION 31, IN T8N, R22E, IN THE CITY OF GLENDALE AND THE CITY OF MILWAUKEE, MILWAUKEE COUNTY, WHICH IS BOUNDED AND DESCRIBED AS FOLLOWS: COMMENCING AT THE SOUTHWEST CORNER OF SAID 1/4 SECTION; THENCE SOUTH 84°55'30" EAST ALONG THE SOUTH LINE OF SAID 1/4 SECTION 684.75 FT. TO A POINT; THENCE NORTH AND PARALLEL WITH THE WEST LINE OF SAID 1/4 SECTION 124.35 FT. TO A POINT; THENCE NORTH 74°40'00" EAST 5.44 FT. TO THE POINT OF BEGINNING OF THE LANDS TO BE DESCRIBED, SAID POINT BEING AT THE INTERSECTION OF THE EAST LINE OF NORTH 25TH STREET AND THE NORTHERLY LINE OF WEST VILLARD AVENUE; THENCE ALONG THE EAST LINE OF NORTH 25TH STREET 811.76 FEET TO THE SOUTH LINE OF WEST LAWN AVENUE; THENCE SOUTH 84°55'30" EAST ALONG THE SOUTH LINE OF WEST LAWN AVENUE 610.00 FT. TO THE NORTHEAST CORNER OF SAID BLOCK 4 IN SAID LINCOLN PARK SHORES ANNEX; THENCE SOUTH ALONG THE EAST LINE OF SAID BLOCK 4 AND SAID EAST LINE EXTENDED 300.00 FT. TO THE SOUTH LINE OF WEST ROHR AVENUE; THENCE SOUTH 84°55'30" EAST ALONG THE SOUTH LINE OF WEST ROHR AVENUE 334.20 FT. TO A POINT; THENCE SOUTH ALONG THE WEST LINE OF A PEDESTRIAN WAY 221.56 FT. TO A POINT; THENCE SOUTHWESTERLY 342.56 FT. ALONG THE ARC OF A CURVE WHOSE CENTER LIES TO THE SOUTHEAST WHOSE RADIUS IS 310.00 FT. AND WHOSE CHORD BEARS SOUTH 44°46'04.5" WEST 330.45 FT. TO A POINT ON THE NORTHERLY LINE OF WEST VILLARD AVENUE; THENCE WESTERLY 591.60 FT. ALONG THE NORTHERLY LINE OF WEST VILLARD AVENUE BEING THE ARC OF A CURVE WHOSE CENTER LIES TO THE SOUTH, WHOSE RADIUS IF 1350.00 FT AND WHOSE CHORD BEARS SOUTH 88°02'08" WEST 542.73 FT. TO A POINT; THENCE SOUTH 74°40'00" WEST 128.68 FT. TO THE POINT OF BEGINNING. THE ABOVE DESCRIBED PARCEL CONTAINS 13.2141 ACRES OF LAND.

ALL BEARINGS ARE REFERENCED TO THE SOUTH LINE OF W. LAWN AVENUE RECORDED AS N84°55'30"W

SANITARY SEWER STRUCTURES			
NUMBER	RIM	IE	
SMH-1	46.96	E 8" 36.14	W 8" 36.13
SMH-2	46.45	E 8" 37.06	W 8" 36.99
SMH-3	47.94	E 8" 38.08	W 8" 38.14
SMH-4	46.20	E 8" 39.08	W 8" 39.80
SMH-5	46.44	S 8" 41.06	W 8" 40.88
SMH-8	46.08	S 8" 39.88	E 8" 39.78

STORM SEWER STRUCTURES					
NUMBER	RIM	IE			
STMH-1	46.43	S 41.61	W 8" 41.67	NE 41.72	
STMH-3	46.56	N 41.35	S 12" 41.37	W 42.07	
STMH-4	46.94	E 21" 39.63	W 18" 39.78	N 12"	
STMH-5	47.16	E 18" 40.00	W 18" 39.95	S 40.72	
STMH-7	46.74	E 15" 40.12	N 40.43		
STMH-8	46.73	E 15" 40.40	W 15" 40.50	N 8" 40.86	S 8" 41.04
STMH-9	46.34	N 8" 41.40	S 8" 41.20	E 15" 40.80	
		W 15" 40.78	NW 41.12		
STMH-10	46.21	SW 8" 41.99	NW 8" 41.81	W 41.18	
		E 15" 41.05	N 41.76		
STMH-11	47.85	E 42.70	W 41.18	S 40.75	N 40.79
STMH-12	46.30	SW 8" 41.92	E 8" 42.04		
INLET-1	46.47	W 42.87			
INLET-2	46.23	E 42.83			
INLET-3	46.19	E 42.14			
INLET-4	46.15	W 42.55			
INLET-5	46.24	E 8" 45.39			
INLET-6	46.44	N 8" 43.09			
INLET-7	46.45	N 8" 42.13			
INLET-8	46.10	S 8" 41.80			
INLET-9	45.98	N 8" 41.98			
INLET-11	45.90	S 8" 42.85			
CB-1	44.42	E 8" 41.71			
CB-2	44.44	E 8" 41.72			
CB-5	46.16	E 15" 41.22	S 10" 41.42		
CB-6	46.23	S 8" 42.38			
CB-8	46.65	S 8" 43.45			

ARNOLD AND O'SHERIDAN INC
CONSULTING ENGINEERS
STRUCTURAL ■ CIVIL ■ HVAC ■ PLUMBING
ELECTRICAL ■ TELECOMMUNICATIONS
MADISON, WISCONSIN
BROOKFIELD, WISCONSIN
WWW.ARNOLDOSHERIDAN.COM

Consultant:

ST. MICHAEL HOSPITAL
2400 W. VILLARD AVE
MILWAUKEE, WISCONSIN
WHEATON FRANCISCAN HEALTHCARE SYSTEM

Sheet Title:
PLAT OF SURVEY

Revisions:

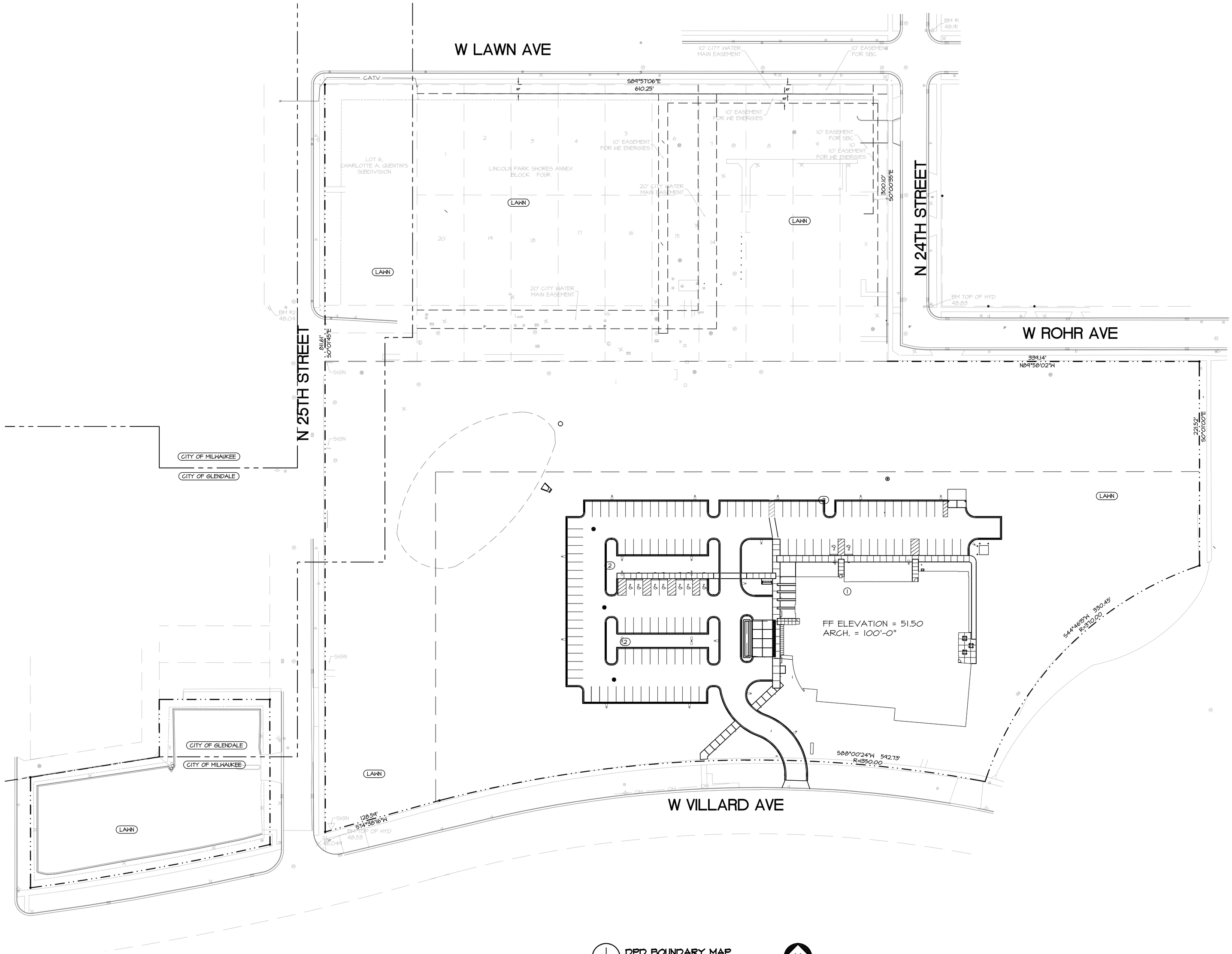
No.	Date:	Description:	By:
1	00-00-00	--	--

Project Number:	Designed By:
111090C	FRT
Date Issued:	Reviewed By:
04-13-11	FRT

Sheet Number:
SV-1

MASTER PLAN KEY NOTES:

1. PROPOSED FACILITY
2. PROPOSED PARKING



1 C000 DPD BOUNDARY MAP
SCALE: 1"=40'-0"

Flad Architects

Flad Structural ENGINEERS

The Concord Group Construction Consultants

JPC

ARNOLD & O'SHERIDAN Consulting Engineers

GEI engineering-management facility support

MUERMANN ENGINEERING

Stamps & Approvals

Project Key Plan

NOT FOR CONSTRUCTION

Rev	Date	Description

Project Title

Wheaton Franciscan Healthcare St. Joseph
Family Care Center
In Partnership with the Medical College of Wisconsin

WHEATON FRANCISCAN HEALTHCARE

2400 W. VILLARD AVE.
MILWAUKEE, WI 53209

FAMILY CARE CLINIC

Project Phase: DETAILED PLAN DEVELOPMENT

Date	Drawn By
05/09/11	A&O
Project Number: 11022-00	Checked By: A&O

Sheet Title: DPD BOUNDARY MAP

Sheet Number: C-000

Rev. No.

GENERAL

1. THE LOCATION OF ALL STRUCTURES, OBSTACLES, AND EXISTING FACILITIES SHALL NOT BE TAKEN AS CONCLUSIVE. IT SHALL BE ASSUMED THAT THE CONTRACTOR HAS VERIFIED SAID LOCATIONS AS A CONDITION OF HIS BID AND THEREFORE THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGES RESULTING FROM HIS ACTIVITIES.

2. ALL ELEVATIONS ARE REFERENCED TO THE LOCAL DATUM.

3. ALL CONTRACTORS SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS NECESSARY TO CARRY OUT THEIR WORK.

4. THE CONTRACTOR SHALL SUBMIT FOR APPROVAL BY THE OWNER A LIST OF ALL MATERIALS PROPOSED TO BE USED PRIOR TO ORDERING OR DELIVERY.

5. ALL CONTRACTORS SHALL HAVE A COMPETENT FOREMAN, SUPERINTENDENT, OR OTHER REPRESENTATIVE AT THE SITE AT ALL TIMES WHO HAS AUTHORITY TO ACT FOR THE CONTRACTOR.

6. A PRE CONFERENCE MAY BE HELD PRIOR TO CONSTRUCTION START UP.

7. CONTRACTORS SHALL BE RESPONSIBLE FOR ADEQUATELY BARRICADING AREAS OF CONSTRUCTION AS MAY BE REQUIRED TO PROTECT AGAINST PERSONAL INJURY AS WELL AS HARM TRAFFIC OF THE CONSTRUCTION SITE WHERE NECESSARY. SIGNING SHALL BE IN ACCORDANCE WITH THE WISCONSIN DEPARTMENT OF TRANSPORTATION MANUAL OF TRAFFIC CONTROL DEVICES. ALL OTHER SIGNS MUST BE PRE-APPROVED BY OWNER.

8. ALL DIMENSIONS ARE TO FACE OF CURB OR FACE OF BUILDING.

9. COORDINATE WITH PROJECT MANUAL TO VERIFY GENERAL REQUIREMENTS. WHERE REQUIREMENTS STATED ON THIS SHEET DIFFER FROM REQUIREMENTS STIPULATED IN THE PROJECT MANUAL, THE MOST STRINGENT REQUIREMENTS APPLICABLE TO THE CONTRACTOR SHALL GOVERN.

10. ALL ROAD AND PAVING CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE WISCONSIN DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION - EDITION OF 2003, HEREIN REFERRED TO AS THE STANDARD SPECIFICATIONS, EXCEPT AS MODIFIED HEREIN.

11. WHERE SPECIFIC PORTIONS OF THESE SPECIFICATIONS ARE IN CONFLICT WITH THE STANDARD SPECIFICATIONS, THESE SPECIFICATIONS SHALL GOVERN.

GRADING AND EROSION CONTROL

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTING THE PROPOSED ROADS, PARKING AREAS, BUILDING PADS AND EROSION CONTROL DEVICES TO THE PROPOSED GRADE ELEVATIONS AND LOCATIONS SHOWN ON THE GRADING PLAN.

2. THE CONTRACTOR SHALL STRIP AND REMOVE TOPSOIL AND ORGANIC SOILS FOUND WITHIN THE GRADING LIMITS IN ACCORDANCE WITH SECTION 625 OF THE STANDARD SPECIFICATIONS. GRADE LANDSCAPE AREAS LOW TO ALLOW FOR PLACEMENT OF TOPSOIL, SOD AND PLANTINGS BY LANDSCAPE CONTRACTOR PER THE LANDSCAPE SPECIFICATIONS.

3. THE SUB GRADE FOR THE ROAD, PARKING AREAS, AND THE BUILDING PADS SHALL BE PREPARED IN ACCORDANCE WITH SECTION 207 OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION, 2003 EDITION. COMPACTING OF THE SUB GRADE IN CUT SECTIONS SHALL BE IN ACCORDANCE WITH SECTION 207.3.6.2 USING MECHANICAL COMPACTING EQUIPMENT. OPERATION OF SPREADING AND HAULING EQUIPMENT WILL NOT BE CONSIDERED AS ADEQUATE COMPACTION.

4. THE GRANULAR BASE COURSE SHALL BE PLACED ONLY ON SUB GRADE THAT HAS BEEN PROOF-ROLLED.

5. GRADING CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF EXISTING PROPERTY CORNERS AND PERTINENT AREAS WITHIN ALL EASEMENTS.

6. CONTRACTOR IS RESPONSIBLE TO INSTALL ALL EROSION CONTROL DEVICES SHOWN ON THE PLANS IN ACCORDANCE WITH THE WDNR BEST MANAGEMENT PRACTICES.

PAVING

1. THE PAVING CONTRACTOR SHALL BE RESPONSIBLE FOR PLACING THE CRUSHED STONE BASE ON THE DRIVES AND PARKING AREAS TO THE DEPTHS INDICATED.

2. BASE COURSE IN ALL PAVED (CONCRETE AND ASPHALT) AREAS SHALL BE IN ACCORDANCE WITH THE PAVING PLAN AND THE TYPICAL PAVEMENT SECTIONS SHOWN ON THE DETAIL DRAWING. THE CRUSHED STONE SHALL MEET THE REQUIREMENTS OF SECTION 305, 1 1/4-INCH GRADATION OF THE STANDARD SPECIFICATIONS PLACED IN ONE LIFT. THE BASE COURSE SHALL BE COMPACTED USING ROLLERS, VIBRATORY ROLLERS, OR A COMBINATION OF BOTH AS DETAILED IN SECTION 305 OF THE STANDARD SPECIFICATIONS.

3. PRIOR TO PLACING THE ASPHALT PAVEMENT, THE SURFACE OF THE CRUSHED STONE BASE COURSE SHALL BE GRADED TO PROPER ELEVATION AND CROWN AND COMPACTED IN ACCORDANCE WITH SECTION 304 OF THE STANDARD SPECIFICATIONS.

4. EQUIPMENT UTILIZED IN THE MIXING, TRANSPORT, LAYING AND COMPACTING OF THE AS ASPHALT BINDER AND SURFACE COURSES SHALL COMPLY WITH SECTION 450 OF THE STANDARD SPECIFICATIONS. SUFFICIENT EQUIPMENT IN GOOD OPERATING CONDITION SHALL BE MAINTAINED AT THE SITE AT ALL TIMES TO PERFORM THE WORK WITH NO DELAYS.

5. ASPHALT BINDER COURSE AND SURFACE COURSE SHALL BE INSTALLED IN ACCORDANCE WITH SECTIONS 455, 460, AND 465 OF THE STANDARD SPECIFICATION.

6. PRIOR TO PLACING THE SURFACE COURSE, THE PAVING CONTRACTOR SHALL REMOVE ALL FOREIGN MATTER FROM THE SURFACE OF THE BINDER COURSE AND REPAIR, BY SAW CUTTING, REMOVAL AND REPLACEMENT, ANY DEPRESSION OR SIGNS OF FAILURE AND ALL SURFACE IRREGULARITIES AS DIRECTED BY THE ENGINEER. A TACK COAT SHALL BE APPLIED PRIOR TO PLACEMENT OF THE SURFACE COURSE.

7. TO AVOID HAVING LONGITUDINAL JOINTS IN THE SURFACE COURSE, THE SURFACE COURSE SHALL BE PLACED WITH PASS WIDTHS SUCH THAT THE LONGITUDINAL JOINTS ARE OFFSET A MINIMUM OF ONE FOOT. JOINTS SHALL BE TACKED PRIOR TO LAYING NEW ASPHALT.

8. PORTLAND CEMENT CONCRETE AREAS SHALL BE INSTALLED IN ACCORDANCE WITH SECTION 415 AND 416 OF THE STANDARD SPECIFICATIONS. THE 28-DAY STRENGTH OF THE CONCRETE SHALL BE 4,000 PSI WITH 6% ENTRAINED (+/- 1%). THE MAXIMUM JOINT SPACING SHALL BE 15 FEET WITH THE JOINTS BEING SEALED AFTER CUTTING TO RETARD FUTURE WATER PROBLEMS. EXPANSION JOINTS SHALL BE INSTALLED AT 100-FOOT INTERVALS.

9. AFTER COMPLETION OF THE SITE PAVING, THE PAVING CONTRACTOR SHALL PAINT THE PARKING LINES AS SHOWN ON THE PLANS IN ACCORDANCE WITH SECTION 646 OF THE STANDARD SPECIFICATIONS. PAINT HANDICAP SYMBOL IN ALL HANDICAP PARKING STALLS. REVIEW SPECIFICATIONS PROVIDED ON THE NOTE SHEET.

STORM CONSTRUCTION

1. ALL STORM SEWERS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE "CITY OF MILWAUKEE" SPECIFICATIONS, STANDARD SPECIFICATIONS FOR SEWER AND WATER CONSTRUCTION IN WISCONSIN, AND STANDARDS OF THE WISCONSIN DEPARTMENT OF COMMERCE FOR PRIVATE STORM SEWER.

2. ALL STORM SEWER 12" IN DIAMETER, OR GREATER, SHALL BE CLASS III REINFORCED CONCRETE PIPE (ASTM C76) OR CORRUGATED POLYETHYLENE PIPE WITH SMOOTH INTERIOR (ASTM D3350). JOINTS FOR ALL CONCRETE PIPE SHALL BE RUBBER GASKET. ALL STORM SEWERS 10" IN DIAMETER OR LESS SHALL BE PVC SCHEDULE 40 PIPE WITH SOLVENT WELD JOINTS.

3. STORM SEWER MANHOLES AND CATCH BASINS SHALL BE PRE CAST CONCRETE.

4. CLASS C BEDDING SHALL BE USED FOR ALL STORM SEWERS. TRENCHES SHALL BE BACK FILLED WITH COMPACTED CRUSHED STONE IN PAVED AREAS AND SPOIL IN LANDSCAPE AREAS.

5. STORM SEWER MANHOLES AND CATCH BASINS SHALL BE CONSTRUCTED IN ACCORDANCE WITH FILE NO. 25 AND NO. 26 OF THE STANDARD SPECIFICATIONS FOR SEWER AN WATER CONSTRUCTION - 1992.

6. THE STORM SEWER CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING ALL LINES CLEAR UNTIL ACCEPTANCE BY THE OWNER.

7. ALL SURPLUS EXCAVATED MATERIAL SHALL BE COORDINATED WITH THE GENERAL CONTRACTOR FOR ITS TEMPORARY LOCATION.

8. CONTRACTOR SHALL INSTALL TRACER WIRE WITH ALL NON-METALLIC UNDERGROUND UTILITIES IN ACCORDANCE WITH SECTION 4.3.14 OF STANDARD SPECIFICATIONS FOR SEWER AND WATER CONSTRUCTION IN WISCONSIN.

SANITARY AND WATER SERVICES

1. ALL SANITARY AND WATER SERVICE CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR SEWER AND WATER CONSTRUCTION IN WISCONSIN (2003 EDITION. ADDENDUM NO. 1 2004), HEREINAFTER REFERRED TO AS STANDARD SPECIFICATION; REGULATIONS OF THE DEPARTMENT OF COMMERCE (COMM82) FOR PRIVATE DEVELOPMENT WORK.

2. ALL PIPE MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE FOLLOWING STANDARD SPECIFICATIONS.

A. SANITARY - SECTION 8.10.0 FOR PVC PIPE, ASTM D3034, SDR 35
B. WATER - SECTION 8.20.0 FOR PVC PIPE, AWWA C-900, CLASS 150

3. ALL SANITARY AND WATER PIPE JOINT CONNECTIONS SHALL BE PUSH-ON RUBBER GASKET. ALL WATER FITTINGS SHALL BE CEMENT MORTAR-LINED DUCTILE IRON WITH MECHANICAL JOINTS IN ACCORDANCE WITH SECTION 8.22.0 AND SHALL BE DOUBLE WRAPPED IN POLYETHYLENE FILM.

4. WATER VALVES SHALL BE RESILIENT WEDGE GATE VALVES IN ACCORDANCE TO SECTION 3.2.6. (1), FILE NO. 4 (CLASS "B" BEDDING) AND SECTION 4.3.0 FILE NO. 36 (CRUSHED STONE CHIPS), RESPECTIVELY. COMPACTING BY MECHANICAL MEANS. (SECTION 2.6.14)

5. BACK FILL MATERIAL SHALL BE GRANULAR (SECTION 8.43.4) UNDER PAVED SURFACES OR SPOIL (SECTION 8.43.5) UNDER LANDSCAPED AREAS.

6. HYDRANTS SHALL BE KATEROUS PACER MODEL WB-67 OR EQUAL APPROVED BY THE LOCAL MUNICIPALITY.

7. IF APPLICABLE, SHELL-TYPE CUTTER W/ MULTIPLE CUTTING TEETH SHALL BE USED FOR TAPPING SERVICE CONNECTIONS, AS FOLLOWS:

A. CORPORATION STOPS SHALL NOT BE LOCATED CLOSER THAN ONE (1) FOOT FROM PIPE JOINTS. INSERTIONS ON OPPOSITE SIDES OF THE MAIN SHALL BE SEPARATED BY MIN. OF ONE (1) FOOT.

B. TEFLON TAPE SHALL BE PLACED ON THE CORPORATION STOP THREADS PRIOR TO INSTALLATION.

8. CONTRACTOR SHALL INSTALL TRACER WIRE WITH ALL NON-METALLIC UNDERGROUND UTILITIES IN ACCORDANCE WITH SECTION 4.3.14 OF STANDARD SPECIFICATIONS FOR SEWER AND WATER CONSTRUCTION IN WISCONSIN.

CURB, GRADE BEAM CURB, SIDEWALK AND MISCELLANEOUS

1. WHERE INDICATED ON THE PLANS, INSTALL CONCRETE SIDEWALK IN ACCORDANCE WITH SECTION 602 OF THE STANDARD SPECIFICATIONS. SIDEWALKS SHALL BE AS SHOWN ON THE ARCHITECTURAL DRAWINGS, OR 5" THICK BY 5.5 FEET WIDE (SITE).

2. CONCRETE CURB SHALL BE INSTALLED WHERE INDICATED ON THE PLANS. INSTALLATION SHALL BE IN ACCORDANCE WITH SECTION 601 OF THE STANDARD SPECIFICATIONS. DIMENSIONS SHALL BE AS SHOWN ON THE TYPICAL SECTION.

3. ALL SURPLUS EXCAVATED MATERIAL SHALL BE COORDINATED WITH THE GENERAL CONTRACTOR FOR ITS TEMPORARY LOCATION.

4. ALL ENTRANCES SHALL HAVE THE EXISTING 6" VERTICAL FACE SAWED AND REMOVED OR THE ENTIRE CURB AND GUTTER LENGTH REMOVED AND REPLACED WIT CONCRETE GUTTER SECTION.

LEGEND

- SECTION CORNER FOUND
- IRON STAKE FOUND
- REBAR PLACED
- CHISELED CROSS
- DRILL HOLE
- SURVEY NAIL
- WOOD STAKE
- (263.56') RECORDED AS DATA
- 263.51' MEASURED DATA
- SOIL BORING
- SANITARY MANHOLE
- YARD CLEANOUT
- STORM MANHOLE
- STORM INLET
- STORM CATCH BASIN
- STORM CATCH BASIN
- STORM CLEAN OUT
- APRON ENDWALL
- WATER MANHOLE
- HYDRANT
- WATER VALVE
- Y CONNECTION
- POST INDICATOR VALVE
- GAS METER
- GAS VALVE
- TRAFFIC SIGNAL
- TRAFFIC CONTROL BOX
- LIGHT POLE
- ELECTRICAL OUTLET
- UTILITY POLE
- GUY WIRE / DEAD MAN
- ELECTRIC PEDESTAL
- ELECTRIC METER
- ELECTRIC MANHOLE
- TELEPHONE PEDESTAL
- TELEPHONE MANHOLE
- CABLE PEDESTAL
- SPRINKLER HEAD
- BOLLARD
- SIGN
- MONITORING WELL
- HANDICAP RAMP
- HANDICAP STALL
- STONE WALL
- FENCE LINE
- EDGE OF TREES
- PROPERTY LINE
- CENTER LINE
- EXISTING BUILDING
- EXISTING CONCRETE
- EXISTING GRAVEL
- EXISTING ASPHALT
- PROPOSED CONCRETE PAVEMENT
- PROPOSED CONCRETE SIDEWALK
- PROPOSED HEAVY DUTY BITUMINOUS PAVEMENT
- PROPOSED SAW CUT REMOVE AND REPLACE PAVEMENT
- NEW ASPHALT
- EX. ASPHALT TO BE MILLED & OVERLAID
- EROSION MATTING
- STABILIZED CONSTRUCTION ENTRANCE
- SAW CUT LINE
- CATCH CURB
- REJECT CURB
- PERIMETER SILT FENCE
- STRAW BALES
- INLET PROTECTION
- STRAW BALE/SILT FENCE INLET PROTECTION
- CANOPY / SHADE TREE
- SHRUB
- CONIFEROUS TREE
- WAT — BURIED WATER MAIN
- SAN — SANITARY SEWER
- ST — STORM SEWER
- RD — ROOF DRAIN
- OH — OVERHEAD WIRES
- CATV — BURIED CABLE TV LINES
- E — BURIED ELECTRIC
- T — BURIED TELEPHONE
- FO — FIBER OPTIC
- G — BURIED GAS MAIN
- COMB — COMBINED SEWER
- CONTOUR
- X 821.25 SPOT ELEVATION
- CAUTION
- PROPERTY LINE
- UTILITY EASEMENT
- SETBACK LINE
- EDGE OF WATER
- WETLAND BOUNDARY
- 100 YEAR FLOOD BOUNDARY
- TW 900.00 TOP OF WALL ELEVATION
- BW 849.00 BOTTOM OF WALL ELEVATION

TO OBTAIN LOCATIONS OF PARTICIPANTS UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN

CALL DIGGERS HOTLINE

1-800-242-8511
TOLL FREE
WIS STATUTE 182.0175(1974)
REQUIRES MIN. 3 WORK DAYS
NOTICE BEFORE YOU EXCAVATE

MILWAUKEE AREA 259-1181

1 / C001 NOTES & LEGEND
SCALE: NTS

Flad Architects

Flad Structural ENGINEERS

The Concord Group
Construction Consultants

JPC

ARNOLD & O'SHERIDAN
Consulting Engineers

GEI
engineering-management
facility support

MUERMANN ENGINEERING

Stamps & Approvals

Project Key Plan

NOT FOR CONSTRUCTION

Rev	Date	Description

Project Title

Wheaton Franciscan Healthcare
St. Joseph
Family Care Center
In Partnership with the Medical College of Wisconsin

WHEATON FRANCISCAN HEALTHCARE

2400 W. VILLARD AVE.
MILWAUKEE, WI 53209

FAMILY CARE CLINIC

Project Phase: DETAILED PLAN DEVELOPMENT

Date: 05/09/11 | Drawn By: A&O

Project Number: 11022-00 | Checked By: A&O

Sheet Title: NOTES & LEGEND

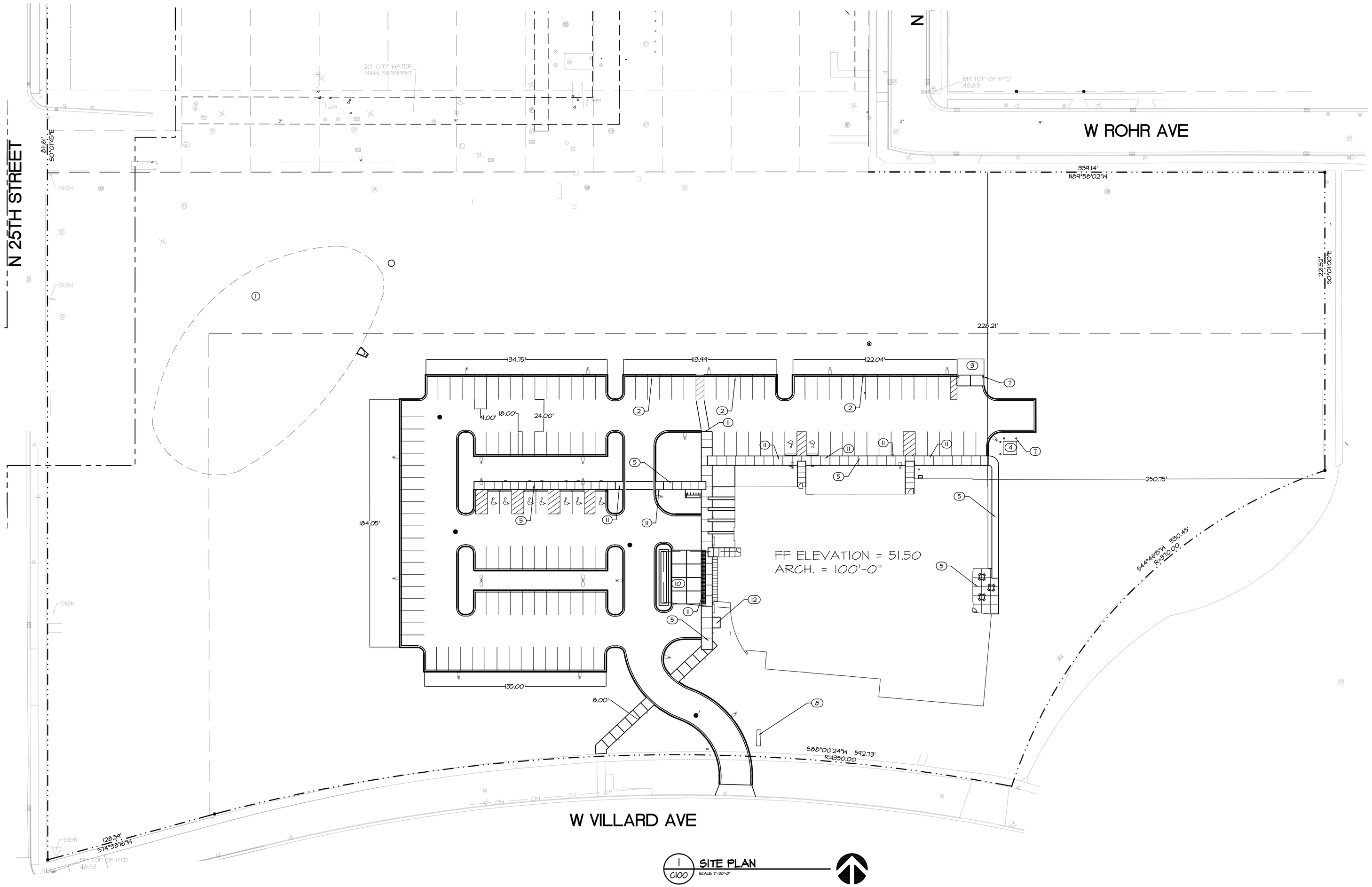
Sheet Number: C-001 | Rev. No.

SITE INFORMATION:

1. TOTAL CAMPUS AREA = 13.27 ACRES
2. TOTAL DISTURBED/PROJECT AREA = 7.36 ACRES
3. TOTAL WALK AND PAVEMENT AREA (INCLUDING FUTURE) = 2.08 ACRES
4. TOTAL ROOF AREA = 0.58 ACRES
5. PARKING STALLS
   ADA STALLS = 9
   STANDARD STALLS = 127
   TOTAL PARKING COUNT = 136
   GROSS BUILDING SQUARE FOOTAGE = 27,000 SF
   5.03 STALLS/1000 SF
6. ALL DIMENSIONS ARE TO FACE OF CURB OR BUILDING UNLESS NOTED

SITE KEY NOTES:

1. BIO-FILTRATION BASIN 2' DEPTH
2. FLUME
3. TRASH ENCLOSURE
4. TRANSFORMER PAD
5. 5" CONCRETE
6. CONCRETE DUMPSTER PAD
7. CONCRETE BOLLARDS
8. MONUMENT SIGN 32 SF MAX.
9. ASPHALTIC CONCRETE PAVEMENT
10. 6" CONCRETE PAVEMENT
11. DETECTABLE WARNING SURFACE
12. BIKE RACK



1 / C100 SITE PLAN
SCALE: 1"=30'-0"

Flad Architects

Flad Structural ENGINEERS

The Concord Group Construction Consultants

JPC

ARNOLD & O'SHERIDAN Consulting Engineers

GEI engineering-management facility support

MUERMANN ENGINEERING

Stamps & Approvals

Project Key Plan

NOT FOR CONSTRUCTION

Rev	Date	Description

Project Title

Wheaton Franciscan Healthcare St. Joseph
Family Care Center
In Partnership with the Medical College of Wisconsin

WHEATON FRANCISCAN HEALTHCARE

2400 W. VILLARD AVE.
MILWAUKEE, WI 53209

FAMILY CARE CLINIC

Project Phase: DETAILED PLAN DEVELOPMENT

Date: 05/09/11 | Drawn By: A&O

Project Number: 11022-00 | Checked By: A&O

Sheet Title: SITE PLAN

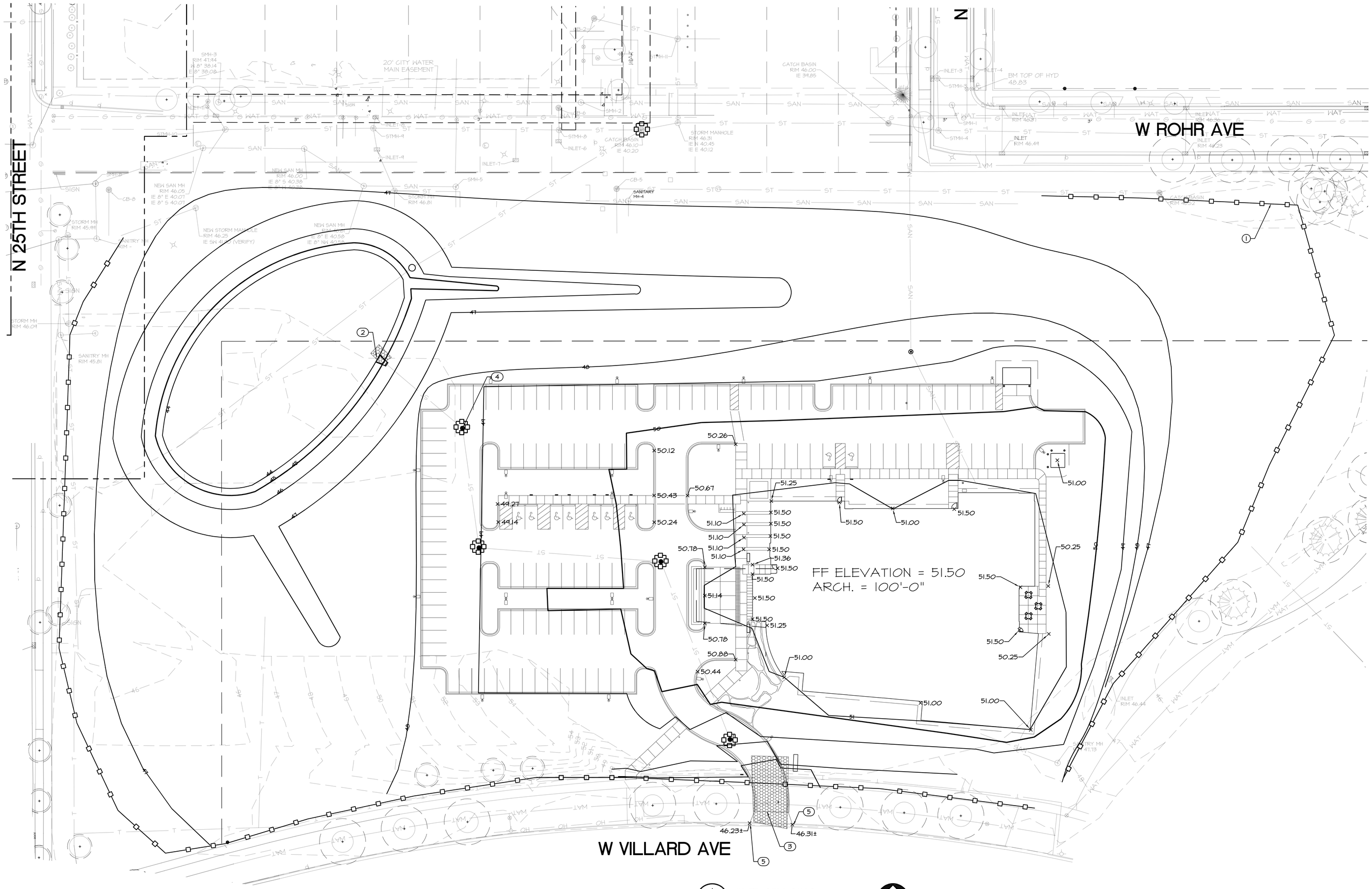
Sheet Number: C-100 | Rev. No.

GRADING NOTES:

1. 500 YEAR FLOOD ELEVATION 628.5 NGVD29 = 47.9 FROM FIRM #55079C0077E.
2. ALL ELEVATIONS ARE PAVEMENT FLOW LINE GRADES UNLESS NOTED.

GRADING KEY NOTES:

1. SILT FENCE
2. RIPRAP OUTLET
3. CONSTRUCTION ENTRANCE
4. INLET PROTECTION
5. MATCH EXISTING GRADE



1 / C200 SITE GRADING
SCALE: 1"=30'-0"

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FAMILY CARE CLINIC

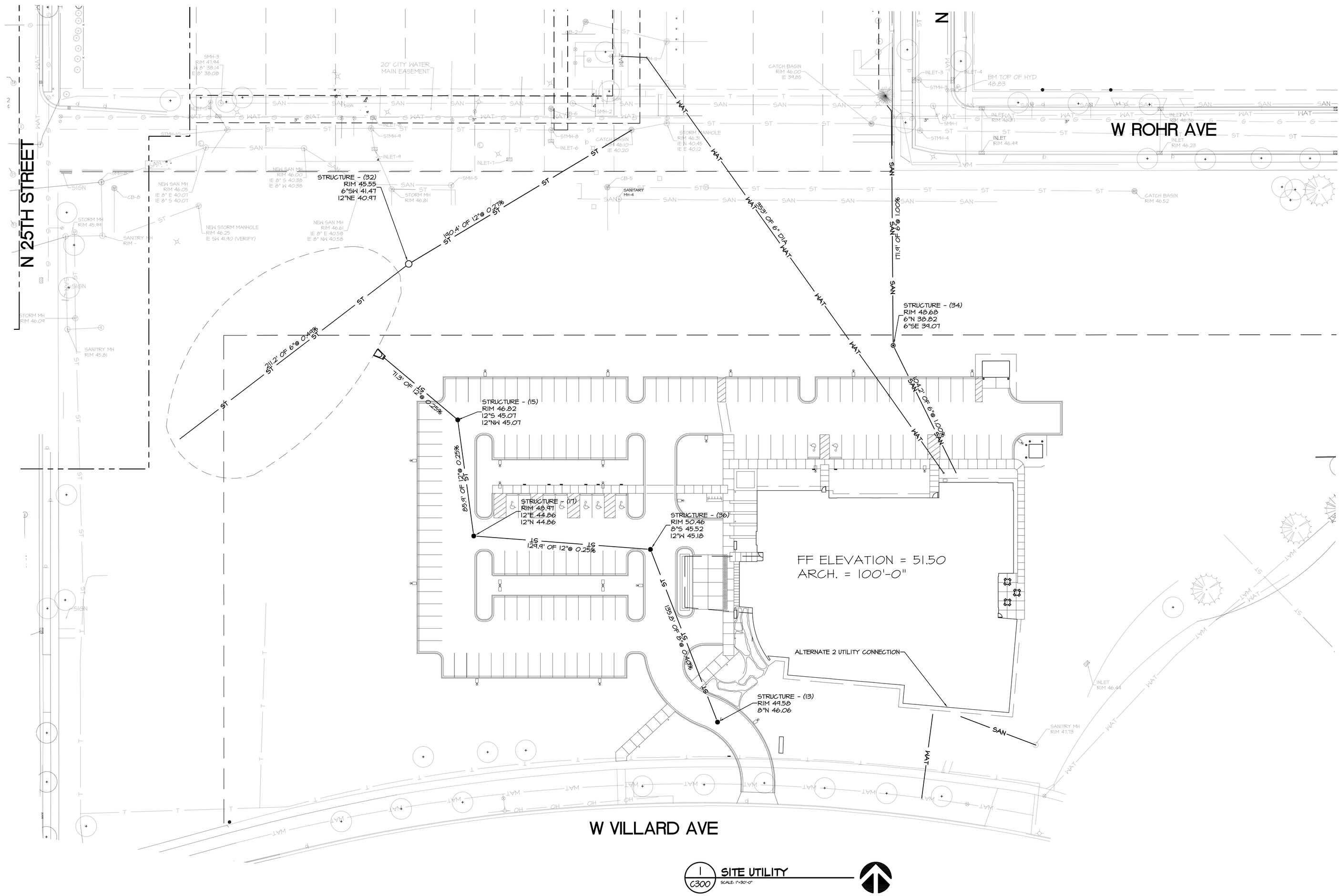
Project Phase: DETAILED PLAN DEVELOPMENT

Date: 05/09/11 | Drawn By: A&O

Project Number: 11022-00 | Checked By: A&O

Sheet Title: SITE GRADING

Sheet Number: C-200 | Rev. No.



1 C300 SITE UTILITY
SCALE: 1"=30'-0"

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GEI engineering-management facility support

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FAMILY CARE CLINIC

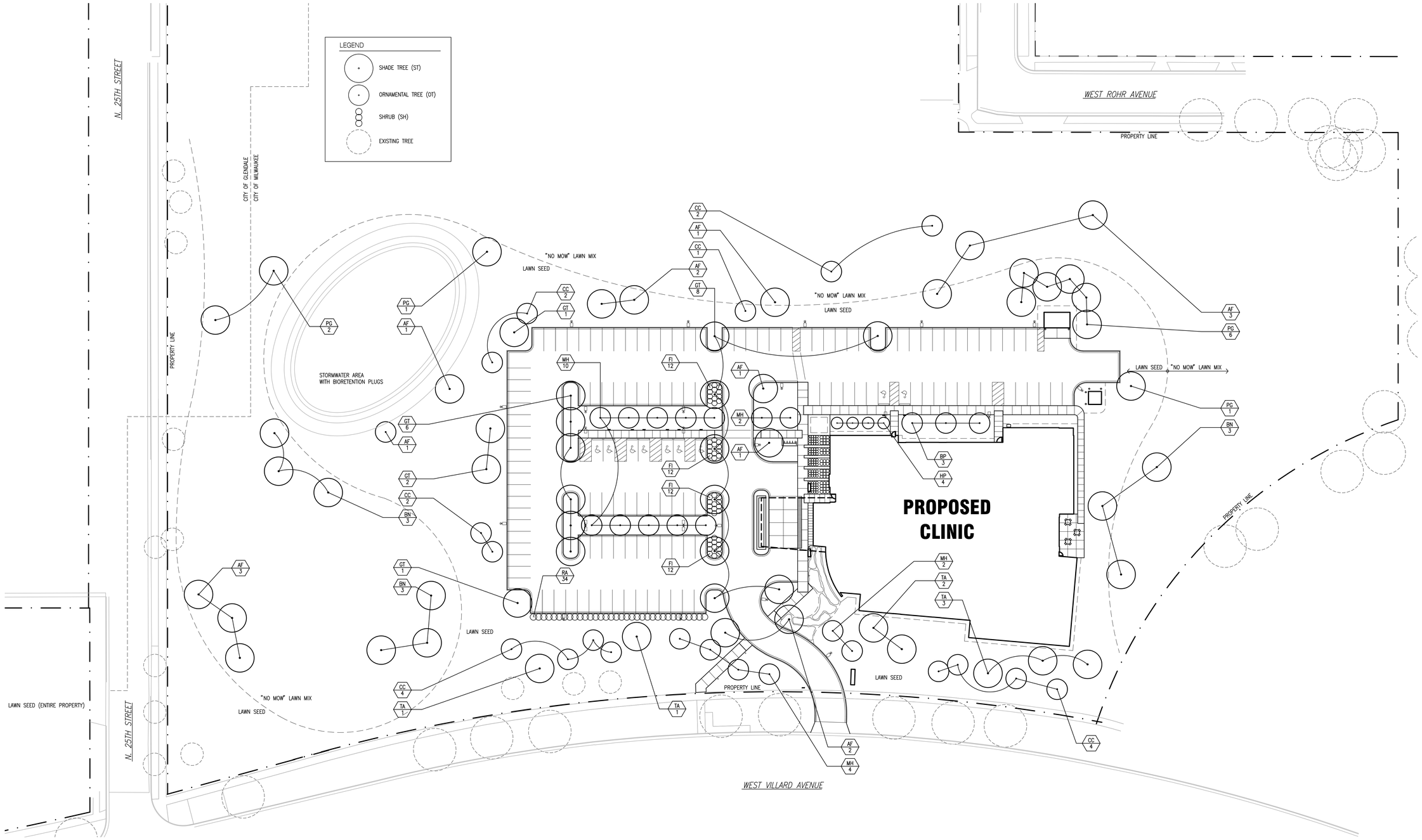
Project Phase: DETAILED PLAN DEVELOPMENT

Date: 05/09/11 | Drawn By: A&O

Project Number: 11022-00 | Checked By: A&O

Sheet Title: SITE UTILITY

Sheet Number: C-300 | Rev. No.

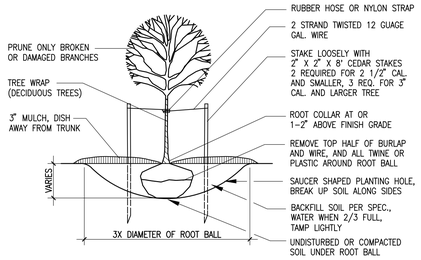


1 LANDSCAPE PLAN

1" =30'-0"

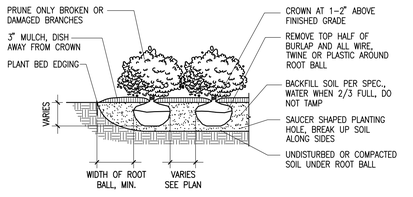
0' 30' 60' 90'

N



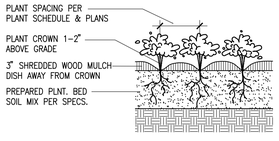
2 TREE PLANTING

NTS



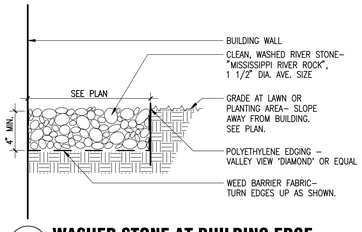
3 SHRUB PLANTING

NTS



4 PERENNIAL PLANTING

NTS



5 WASHED STONE AT BUILDING EDGE

NTS

6 PLANT SCHEDULE

KEY	COMMON NAME	BOTANICAL NAME	QUANTITY	SIZE/ROOT	NOTES
	TREES				
AF	Jeffsred Freeman Maple	*Acer freemanii* 'Jeffsred'	15	2.5" cal. - b&b	
BN	River Birch	*Betula nigra*	9	2.5" cal. - b&b	Select multi-stemmed trees with 2-3 leaders
BP	Whitespire Birch	*Betula populifolia* 'Whitespire'	3	2.5" cal. - b&b	
CC	Thornless Crusader Hawthorn	*Crataegus crusgalli* var. inermis 'Crusader'	14	2.5" cal. - b&b	
GT	Shademaster Honeylocust	*Gleditsia triacanthos* var. inermis 'Shademaster'	19	2.5" cal. - b&b	
HP	Tardiva Hydrangea	*Hydrangea paniculata* 'Tardiva'	4	2 gal. cont.	
MH	Harvest Gold Crabapple	*Malus* 'Harvest Gold'	18	2.5" cal. - b&b	
PG	Black Hills Spurce	*Picea glauca*	9	8' height	
TA	Redmond Linden	*Tilia americana* 'Redmond'	7	2.5" cal. - b&b	
	SHRUBS				
BT	Crimson Pygmy Japanese Barberry	*Berberis thunbergii* 'Crimson Pygmy' ('Atropurpurea Nana')	24	2 gal.	Cultivar ensures hardiness and size requirement
FI	Happy Centennial Forsythia	*Forsythia* 'Happy Centennial'	24	2 gal.	Cultivar ensures hardiness and size requirement
RA	Alpine Currant	*Ribes alpinum*	34	2 gal.	

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JPC

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Stamps & Approvals

Project Key Plan

NOT FOR CONSTRUCTION

Rev	Date	Description

Project Title

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FAMILY CARE CLINIC

Project Phase: DETAILED PLAN DEVELOPMENT

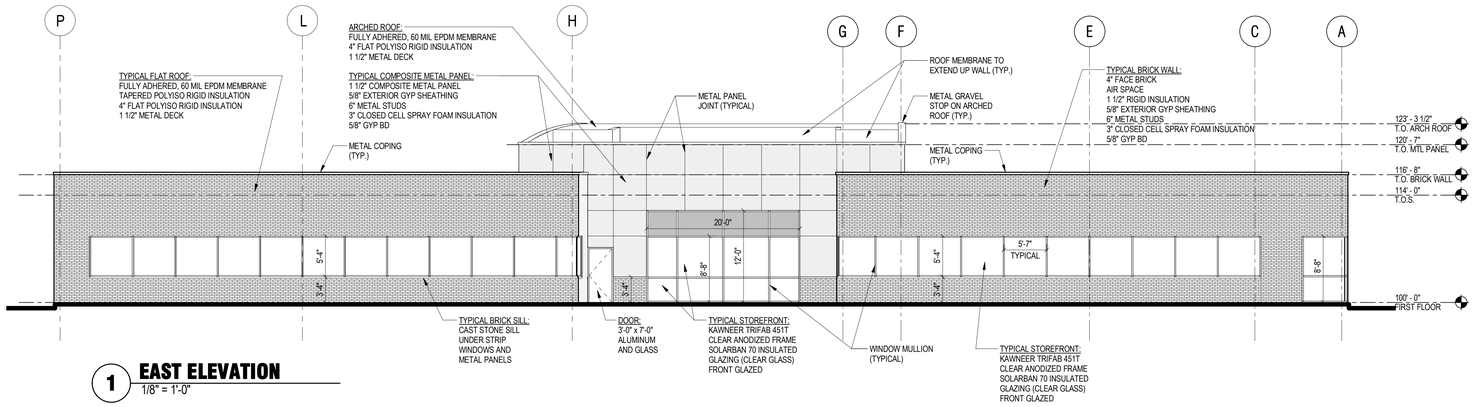
Date: 05/09/11 | Drawn By: JRD

Project Number: 11022-00 | Checked By: JRD

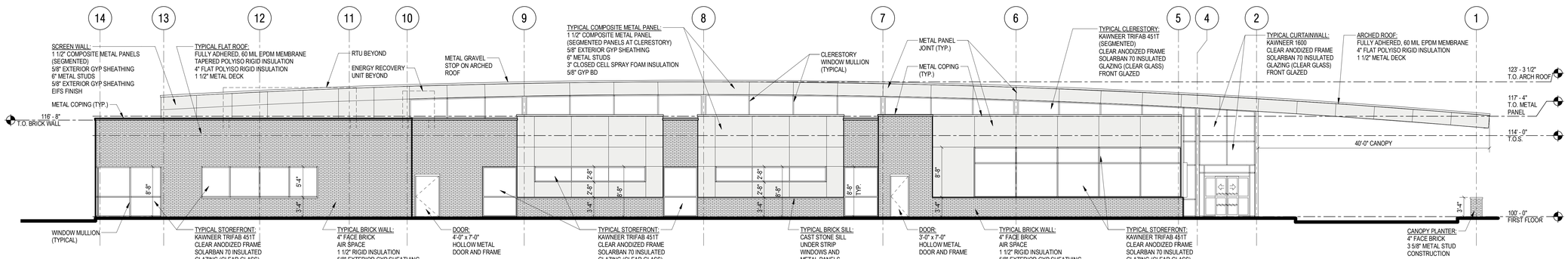
Sheet Title: **LANDSCAPE PLAN AND DETAILS**

Sheet Number: **L-101** | Rev. No.

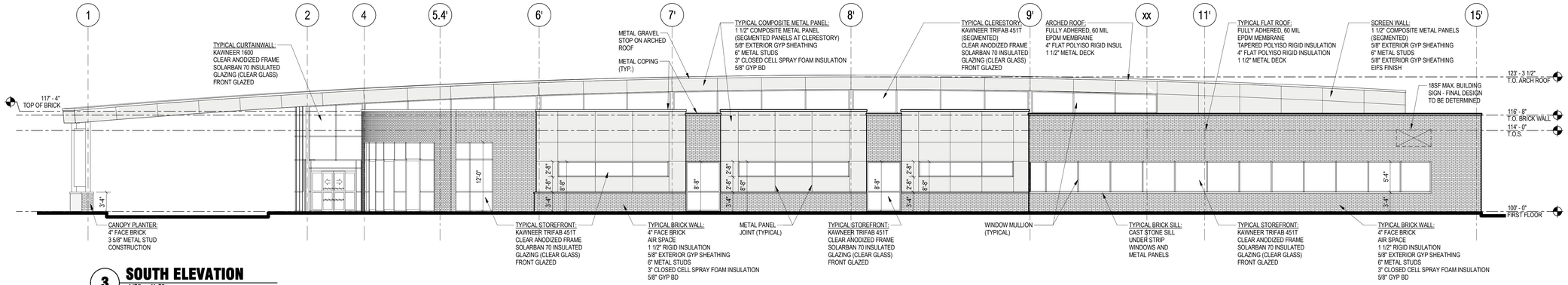
3/22/2011 9:38:43 AM



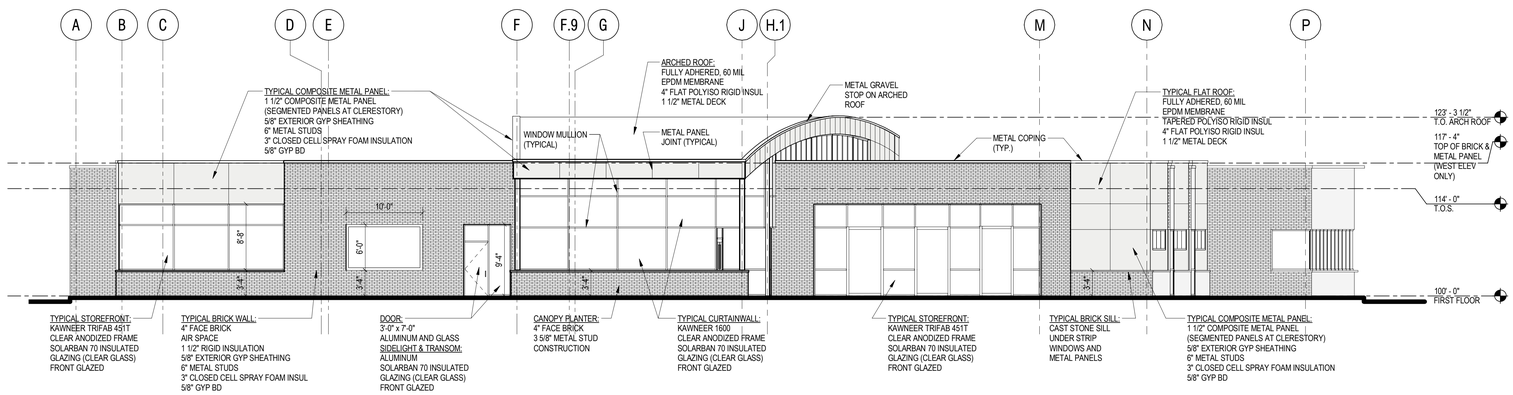
1 EAST ELEVATION
1/8" = 1'-0"



2 NORTH ELEVATION
1/8" = 1'-0"



3 SOUTH ELEVATION
1/8" = 1'-0"



4 WEST ELEVATION
1/8" = 1'-0"

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2400 W. VILLARD AVE.
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FAMILY CARE CENTER

Project Phase
DETAILED PLAN DEVELOPMENT

Date	Drawn By
05/09/11	FLAD
Project Number	Checked By
11022-00	FLAD

Sheet Title
EXTERIOR ELEVATIONS

Sheet Number
A-201

Rev. No.

5/13/2011 9:01:59 AM

VIEW FROM VILLARD LOOKING EAST

VIEW FROM PARKING LOOKING SOUTHEAST

VIEW FROM VILLARD LOOKING WEST

BIRDS EYE VIEW LOOKING NORTHEAST

MATERIALS

BRICK
COLOR: NUTMEG VELOUR

METAL PANEL
COLOR: LIGHT WARM GREY

Flad Architects

Flad Structural ENGINEERS

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Stamps & Approvals

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FAMILY CARE CENTER

Project Phase
DETAILED PLAN DEVELOPMENT

Date
05/09/11

Drawn By
FLAD

Project Number
11022-00

Checked By
FLAD

Sheet Title
3D BUILDING IMAGES

Sheet Number
A-202

Rev. No.

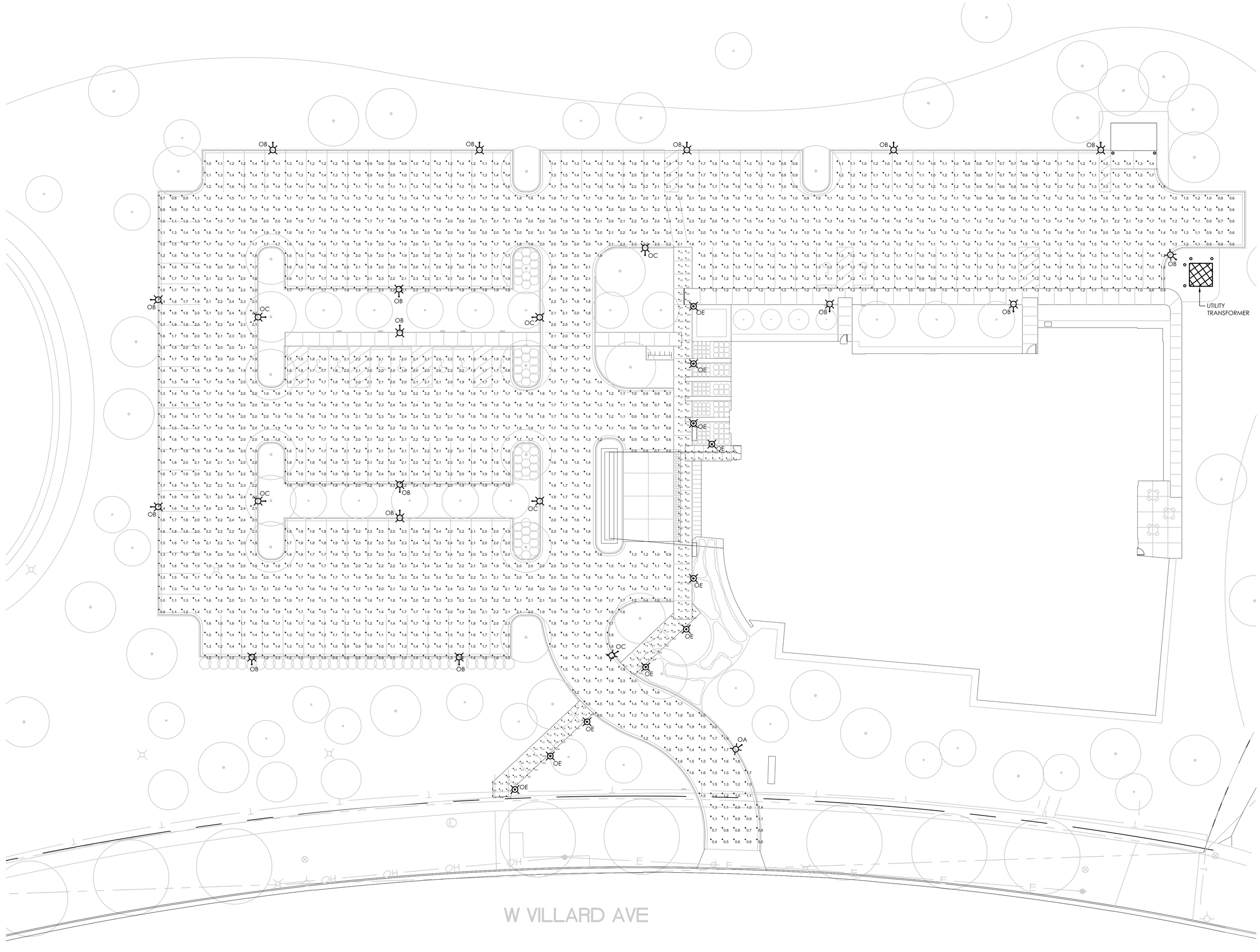
5/13/2011 3:17:10 PM

LUMINAIRE SCHEDULE

Label	Qty	Catalog Number	Description	Lamp	Pole Height	Base Height	Watts
OA	1	RUUD BETA LED - ARE-EDG-2M-**-08-C-UL-43K (350mA)	CONFIGURED FROM 80 LED TYPE II MEDIUM EDGE 350mA	CONFIGURED FROM EIGHTY WHITE LIGHT EMITTING DIODES (LEDS)	20 FT	2 FT	93
OB	16	RUUD BETA LED - ARE-EDG-3M-**-08-C-UL-43K (350mA)	CONFIGURED FROM 80 LED TYPE III MEDIUM EDGE 350mA	CONFIGURED FROM EIGHTY WHITE LIGHT EMITTING DIODES (LEDS)	20 FT	2 FT	93
OC	6	RUUD BETA LED - ARE-EDG-5M-**-14-C-UL-43K (350mA)	CONFIGURED FROM 140 LED TYPE V MEDIUM EDGE 350mA	CONFIGURED FROM ONE HUNDRED FORTY WHITE LIGHT EMITTING DIODES (LEDS)	20 FT	2 FT	164
OE	10	PWY-EDG-2M-** -02-C-12-43K (350mA)	CONFIGURED FROM 18 LED TYPE II MEDIUM EDGE PATHWAY	CONFIGURED FROM EIGHTEEN WHITE LIGHT EMITTING DIODES (LEDS), VERTICAL BASE-UP	3.5 FT	N/A	24

STATISTICS

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Parking Lot	+	1.6 fc	2.4 fc	0.5 fc	4.8:1	3.2:1



ELECTRICAL SITE PLAN - PHOTOMETRICS
1" = 20'-0"

Flad Architects

Flad Structural ENGINEERS

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JPC

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Stamps & Approvals

Project Key Plan

NOT FOR CONSTRUCTION

Rev	Date	Description

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Family Care Center
In Partnership with the Medical College of Wisconsin

WHEATON FRANCISCAN HEALTHCARE

2400 W. VILLARD AVE
MILWAUKEE, WI 53209

FAMILY CARE CENTER

Project Phase: DETAILED PLAN DEVELOPMENT

Date: 05/09/2011 | Drawn By: G+L

Project Number: 11022-00 | Checked By:

Sheet Title: **ELECTRICAL SITE PLAN - PHOTOMETRICS**

Sheet Number: **ES100A** | Rev. No.

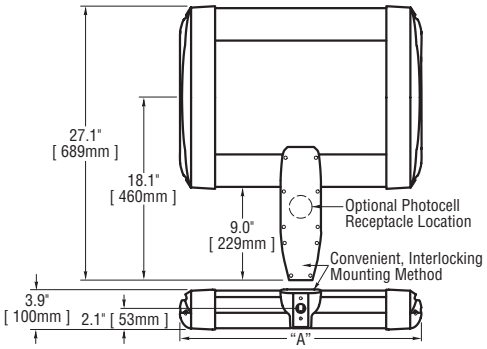
4/19/2011 3:50:15 PM

ARE-EDG-2M-DA THE EDGE® LED Area Light – Type II Medium

Rev. Date: 11/9/10

BetaLED Catalog #: ARE - EDG - 2M - DA - 08 - C - UL - - 43K -

Reset



# of LEDs	Dim. "A"
20	12.06"
40	12.06"
60	14.06"
80	16.06"
100	18.06"
120	20.06"
140	22.06"
160	24.06"
180	26.06"
200	28.06"
220	30.06"
240	32.06"

Notes:

Type -OA

Product	Family	Optic	Mounting	# of LEDs (x 10)	LED Series	Voltage	Color Options	Factory-Installed Options
ARE	EDG	2M[1] 2MB[2]	DA[3]	02 04 06 08 10 12 14 16 18 20 22 24	C	UL Universal 120–277V UH Universal 347–480V 12 120V 24 240V 27 277V 34 347V	SV Silver BK Black BZ Bronze PB Platinum Bronze WH White	43K 4300K Color Temperature[4] 525 525mA Drive Current[5,6] DIM5 0–10V Dimming (525mA maximum)[7,8] F Fuse[9,10] HL Hi/Low (175/350/525, dual circuit input)[11] P Photocell[12,13] R NEMA Photocell Receptacle[13] TL Two-Level (175/525 w/ integrated sensor control)[11] TL2 Two-Level (0/350 w/ integrated sensor control)[11] TL3 Two-Level (0/525 w/ integrated sensor control)[11]

Please type additional options in manually on the lines provided above.

Footnotes

1. IESNA Type II Medium distribution
2. IESNA Type II Medium distribution with backlight control
3. Direct mounting arm for use with 3–6" square or round pole
4. Color temperature per fixture; minimum 70 CRI
5. Driver operates at 525mA instead of the standard 350mA providing a higher lumen output and a shorter life
6. Available on fixtures with 20–120 LEDs
7. Control by others
8. Refer to dimming spec sheet for availability and additional information
9. When code dictates fusing use time delay fuse
10. Not available when UH voltage is selected
11. Refer to multi level spec sheet for availability and additional information
12. Must specify voltage other than UL or UH
13. This option not available with all multi-level options. Refer to multi-level spec sheet for more information

LED PERFORMANCE SPECS

# of LEDs	Initial Delivered Lumens – Type II Medium @ 6000K	B	U	G	Initial Delivered Lumens – Type II Medium w/ Backlight Control @ 6000K	B	U	G	Initial Delivered Lumens – Type II Medium @ 4300K	B	U	G	Initial Delivered Lumens – Type II Medium w/ Backlight Control @ 4300K	B	U	G	System Watts 120–277V	Total Current @ 120V	Total Current @ 230V	Total Current @ 277V	System Watts 347–480V*	Total Current @ 347V	Total Current @ 480V	L_{70} Hours** @ 25° C (77° F)
		Rating***				Rating***				Rating***				Rating***										
350mA (Standard) Fixture Operating at 25° C (77° F)																								
20	1,711 (02)	1	1	1	1,278 (02)	0	1	1	1,500 (02)	1	1	1	1,121 (02)	0	1	1	25	0.23	0.11	0.10	30	0.09	0.08	105,000
40	3,421 (04)	1	1	1	2,556 (04)	0	1	1	3,001 (04)	1	1	1	2,242 (04)	0	1	1	49	0.41	0.23	0.20	51	0.15	0.12	105,000
60	5,132 (06)	2	2	1	3,833 (06)	1	1	1	4,501 (06)	1	1	1	3,362 (06)	1	1	1	71	0.60	0.32	0.28	74	0.22	0.17	105,000
80	6,842 (08)	2	2	2	5,111 (08)	1	2	1	6,002 (08)	2	2	2	4,483 (08)	1	2	1	93	0.78	0.41	0.35	96	0.28	0.21	105,000
100	8,553 (10)	2	2	2	6,389 (10)	1	2	2	7,502 (10)	2	2	2	5,604 (10)	1	2	1	116	0.98	0.52	0.43	119	0.35	0.26	105,000
120	10,263 (12)	2	3	2	7,667 (12)	1	2	2	9,002 (12)	2	2	2	6,725 (12)	1	2	2	139	1.17	0.61	0.52	141	0.41	0.30	105,000
140	11,974 (14)	3	3	3	8,944 (14)	1	3	2	10,503 (14)	2	3	2	7,845 (14)	1	3	2	164	1.39	0.74	0.63	170	0.49	0.35	105,000
160	13,685 (16)	3	3	3	10,222 (16)	1	3	2	12,003 (16)	3	3	3	8,966 (16)	1	3	2	186	1.58	0.83	0.71	192	0.55	0.40	105,000
180	15,395 (18)	3	3	3	11,500 (18)	1	3	2	13,503 (18)	3	3	3	10,087 (18)	1	3	2	211	1.77	0.93	0.79	215	0.62	0.45	105,000
200	17,106 (20)	3	3	3	12,778 (20)	1	3	2	15,004 (20)	3	3	3	11,208 (20)	1	3	2	233	1.97	1.03	0.87	237	0.68	0.49	105,000
220	18,816 (22)	3	3	3	14,056 (22)	2	3	2	16,504 (22)	3	3	3	12,328 (22)	1	3	2	256	2.16	1.13	0.95	259	0.75	0.54	105,000
240	20,527 (24)	3	3	3	15,333 (24)	2	3	2	18,005 (24)	3	3	3	13,449 (24)	1	3	2	279	2.35	1.23	1.03	282	0.81	0.59	105,000
525mA Fixture Operating at 25° C (77° F)																								
20	2,224 (02)	1	1	1	1,661 (02)	0	1	1	1,950 (02)	1	1	1	1,457 (02)	0	1	1	37	0.31	0.18	0.17	43	0.13	0.15	61,000
40	4,448 (04)	1	1	1	3,322 (04)	1	1	1	3,901 (04)	1	1	1	2,914 (04)	0	1	1	69	0.58	0.31	0.27	75	0.22	0.19	61,000
60	6,671 (06)	2	2	2	4,983 (06)	1	2	1	5,851 (06)	2	2	2	4,371 (06)	1	2	1	110	0.92	0.49	0.41	116	0.33	0.27	61,000
80	8,895 (08)	2	2	2	6,644 (08)	1	2	2	7,802 (08)	2	2	2	5,828 (08)	1	2	2	138	1.16	0.62	0.54	145	0.42	0.32	61,000
100	11,119 (10)	3	3	3	8,306 (10)	1	3	2	9,752 (10)	2	2	2	7,285 (10)	1	2	2	177	1.49	0.79	0.68	186	0.53	0.40	61,000
120	13,343 (12)	3	3	3	9,967 (12)	1	3	2	11,703 (12)	3	3	3	8,742 (12)	1	3	2	217	1.82	0.96	0.81	226	0.65	0.48	61,000

* Utilizes magnetic step-down transformer when 525mA drive current or multi-level options are selected

** For recommended lumen depreciation data see TD-13

*** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit www.iesna.org/PDF/Erratas/TM-15-07BugRatingsAddendum.pdf

NOTE: All data subject to change without notice.

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Made in the U.S.A. of U.S. and imported parts.
Meets Buy American requirements within the ARRA.

ARE-EDG-2M-DA THE EDGE® LED Area Light – Type II Medium

Rev. Date: 11/9/10

General Description

Slim, low profile design minimizes wind load requirements. Fixture sides are rugged cast aluminum with integral, weather-tight LED driver compartments and high performance aluminum heatsinks. Convenient, interlocking mounting method. Mounting housing is rugged die cast aluminum and mounts to 3 – 6" square or round pole. Fixture is secured by two (2) 5/16-18 UNC bolts spaced on 2" centers. Includes leaf/debris guard. Five year limited warranty on fixture.

Electrical

Modular design accommodates varied lighting output from high power, white, 6000K (+/- 500K per full fixture), minimum 70 CRI, long life LED sources. 120–277V 50/60 Hz, Class 1 LED drivers are standard. 347–480V 50/60 Hz driver is optional. LED drivers have power factor >90% and THD <20% of full load. Units provided with integral 10kV surge suppression protection standard. Integral weather-tight electrical box with terminal strips (12Ga - 20Ga) for easy power hook-up. Surge protection tested in accordance with IEEE C62.41.2 and ANSI standard 62.41.2.

Testing & Compliance

UL listed in the U.S. and Canada for wet locations and enclosure classified IP66 per IEC 529 when ordered without P or R options. Consult factory for CE Certified products. RoHS compliant. International Dark-Sky Association approved.

Finish

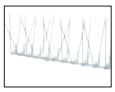
Exclusive Colorfast DeltaGuard® finish features an E-Coat epoxy primer with an ultra-durable silver powder topcoat, providing excellent resistance to corrosion, ultraviolet degradation and abrasion. Bronze, black, white and platinum bronze powder topcoats are also available. The finish is covered by our 10 year limited warranty.

Fixture and finish are endurance tested to withstand 5,000 hours of elevated ambient salt fog conditions as defined in ASTM Standard B 117.

Patents

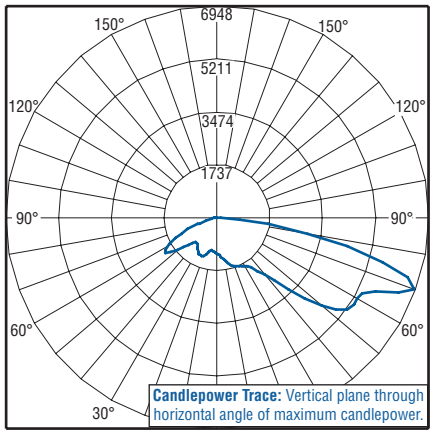
U.S. and international patents granted and pending. BetaLED is a division of Ruud Lighting, Inc. For a listing of Ruud Lighting, Inc. patents, visit www.uspto.gov.

Field-Installed Accessories

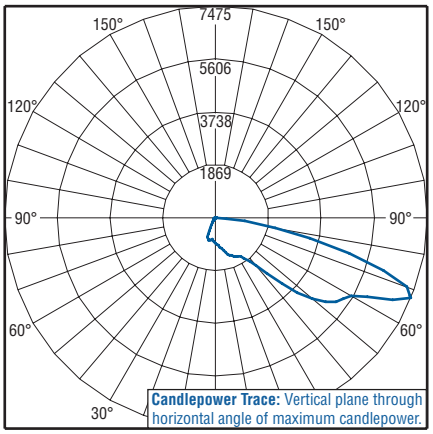


Bird Spikes
☐ XA-BRDSPK

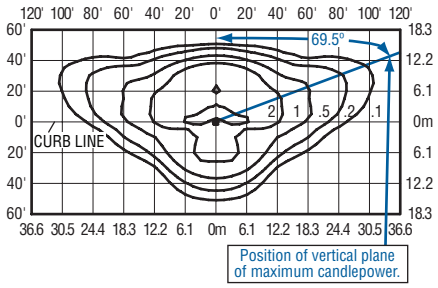
Photometrics



Independent Testing Laboratories certified test. Report No. ITL63821. Candlepower trace of 6000K, 120 LED Type II Medium area luminaire with 10,355 initial delivered lumens operating at 350mA. **All published luminaire photometric testing performed to IESNA LM-79-08 standards.**



Independent Testing Laboratories certified test. Report No. ITL64423. Candlepower trace of 6000K, 120 LED Type II Medium area luminaire with backlight control and 7,710 initial delivered lumens operating at 350mA. **All published luminaire photometric testing performed to IESNA LM-79-08 standards.**



Isofootcandle plot of 6000K, 120 LED Type II Medium area luminaire at 25' A.F.G. Luminaire with 10,263 initial delivered lumens operating at 350mA. Initial FC at grade.

THE EDGE® EPA & Weight Calculations

# of LEDs	Approximate Weight 120-277V[1]	Single	2@ 180°	2@ 90°	3@ 90	4@ 90°
Fixed Arm Mount						
20	21.0 lbs.	0.60	1.20	0.87	1.47	1.75
40	23.7 lbs.	0.60	1.20	0.87	1.47	1.75
60	27.0 lbs.	0.60	1.20	0.92	1.51	1.83
80	28.1 lbs.	0.60	1.20	0.96	1.55	1.91
100	32.3 lbs.	0.60	1.20	1.00	1.60	2.00
120	33.5 lbs.	0.60	1.20	1.04	1.64	2.08
140	36.9 lbs.	0.60	1.20	1.08	1.68	2.16
160	41.4 lbs.	0.60	1.20	1.12	1.72	2.24
180	42.1 lbs.	0.60	1.20	n/a[2]	n/a[2]	n/a[2]
200	43.3 lbs.	0.61	1.21	n/a[2]	n/a[2]	n/a[2]
220	46.6 lbs.	0.65	1.29	n/a[2]	n/a[2]	n/a[2]
240	47.8 lbs.	0.69	1.38	n/a[2]	n/a[2]	n/a[2]

1. Add 5 lbs. for transformer in 347-480V fixtures when 525mA drive current or multi-level options are selected
2. For applications requiring 180 or more LEDs at 90 degrees refer to the DL mount version of our spec sheet.

NOTE: All data subject to change without notice.

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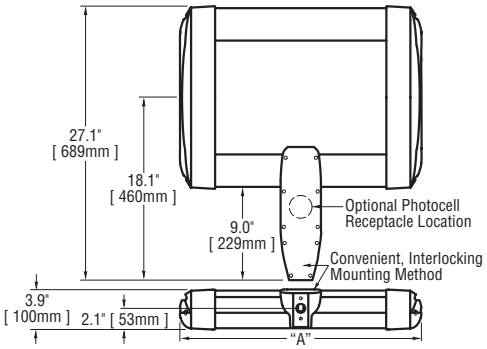
Made in the U.S.A. of U.S. and imported parts.
Meets Buy American requirements within the ARRA.

ARE-EDG-3M-DA THE EDGE® LED Area Light – Type III Medium

Rev. Date: 11/9/10

BetaLED Catalog #: ARE - EDG - 3M - DA - 08 - C - UL - - 43K -

Reset



# of LEDs	Dim. "A"
20	12.06"
40	12.06"
60	14.06"
80	16.06"
100	18.06"
120	20.06"
140	22.06"
160	24.06"
180	26.06"
200	28.06"
220	30.06"
240	32.06"

Notes:

Type OB

Product	Family	Optic	Mounting	# of LEDs (x 10)	LED Series	Voltage	Color Options
ARE	EDG	☐ 3M[1] ☐ 3MB[2]	DA[3]	☐ 02 ☐ 04 ☐ 06 ☐ 08 ☐ 10 ☐ 12 ☐ 14 ☐ 16 ☐ 18 ☐ 20 ☐ 22 ☐ 24	C	☐ UL Universal 120–277V ☐ UH Universal 347–480V ☐ 12 120V ☐ 24 240V ☐ 27 277V ☐ 34 347V	☐ SV Silver ☐ BK Black ☐ BZ Bronze ☐ PB Platinum Bronze ☐ WH White

Factory-Installed Options

Please type additional options in manually on the lines provided above.

- ☐ 43K 4300K Color Temperature[4]
- ☐ 525 525mA Drive Current[5,6]
- ☐ DIM5 0–10V Dimming (525mA maximum)[7,8]
- ☐ F Fuse[9,10]
- ☐ HL Hi/Low (175/350/525, dual circuit input)[11]
- ☐ P Photocell[12,13]
- ☐ R NEMA Photocell Receptacle[13]
- ☐ TL Two-Level (175/525 w/ integrated sensor control)[11]
- ☐ TL2 Two-Level (0/350 w/ integrated sensor control)[11]
- ☐ TL3 Two-Level (0/525 w/ integrated sensor control)[11]

Footnotes

1. IESNA Type III Medium distribution
2. IESNA Type III Medium distribution with backlight control
3. Direct mounting arm for use with 3–6" square or round pole
4. Color temperature per fixture; minimum 70 CRI
5. Driver operates at 525mA instead of the standard 350mA providing a higher lumen output and a shorter life
6. Available on fixtures with 20–120 LEDs
7. Control by others
8. Refer to dimming spec sheet for availability and additional information
9. When code dictates fusing use time delay fuse
10. Not available when UH voltage is selected
11. Refer to multi-level spec sheet for availability and additional information
12. Must specify voltage other than UL or UH
13. This option not available with all multi-level options. Refer to multi-level spec sheet for more information

LED PERFORMANCE SPECS

# of LEDs	Initial Delivered Lumens – Type III Medium @ 6000K	B	U	G	Rating***	Initial Delivered Lumens – Type III Medium w/ Backlight Control @ 6000K	B	U	G	Rating***	Initial Delivered Lumens – Type III Medium @ 4300K	B	U	G	Rating***	Initial Delivered Lumens – Type III Medium w/ Backlight Control @ 4300K	B	U	G	Rating***	System Watts 120–277V	Total Current @ 120V	Total Current @ 230V	Total Current @ 277V	System Watts 347–480V*	Total Current @ 347V	Total Current @ 480V	L_{70} Hours** @ 25° C (77° F)
350mA (Standard) Fixture Operating at 25° C (77° F)																												
20	1,649 (02)	1	1	1		1,237 (02)	0	1	1		1,446 (02)	1	1	1		1,085 (02)	0	1	1		25	0.23	0.11	0.10	30	0.09	0.08	105,000
40	3,298 (04)	1	1	1		2,473 (04)	0	1	1		2,892 (04)	1	1	1		2,169 (04)	0	1	1		49	0.41	0.23	0.20	51	0.15	0.12	105,000
60	4,946 (06)	2	2	2		3,710 (06)	0	1	1		4,338 (06)	2	2	2		3,254 (06)	0	1	1		71	0.60	0.32	0.28	74	0.22	0.17	105,000
80	6,595 (08)	2	2	2		4,946 (08)	1	2	2		5,785 (08)	2	2	2		4,338 (08)	1	2	1		93	0.78	0.41	0.35	96	0.28	0.21	105,000
100	8,244 (10)	3	3	3		6,183 (10)	1	3	2		7,231 (10)	2	2	2		5,423 (10)	1	2	2		116	0.98	0.52	0.43	119	0.35	0.26	105,000
120	9,893 (12)	3	3	3		7,419 (12)	1	3	2		8,677 (12)	3	3	3		6,508 (12)	1	3	2		139	1.17	0.61	0.52	141	0.41	0.30	105,000
140	11,541 (14)	3	3	3		8,656 (14)	1	3	2		10,123 (14)	3	3	3		7,592 (14)	1	3	2		164	1.39	0.74	0.63	170	0.49	0.35	105,000
160	13,190 (16)	3	3	3		9,893 (16)	1	3	2		11,569 (16)	3	3	3		8,677 (16)	1	3	2		186	1.58	0.83	0.71	192	0.55	0.40	105,000
180	14,839 (18)	3	3	3		11,129 (18)	1	3	2		13,015 (18)	3	3	3		9,762 (18)	1	3	2		211	1.77	0.93	0.79	215	0.62	0.45	105,000
200	16,488 (20)	3	3	3		12,366 (20)	2	3	2		14,462 (20)	3	3	3		10,846 (20)	1	3	2		233	1.97	1.03	0.87	237	0.68	0.49	105,000
220	18,136 (22)	3	3	3		13,602 (22)	2	3	2		15,908 (22)	3	3	3		11,931 (22)	1	3	2		256	2.16	1.13	0.95	259	0.75	0.54	105,000
240	19,785 (24)	3	3	3		14,839 (24)	2	3	3		17,354 (24)	3	3	3		13,015 (24)	2	3	2		279	2.35	1.23	1.03	282	0.81	0.59	105,000
525mA Fixture Operating at 25° C (77° F)																												
20	2,143 (02)	1	1	1		1,608 (02)	0	1	1		1,880 (02)	1	1	1		1,410 (02)	0	1	1		37	0.31	0.18	0.17	43	0.13	0.15	61,000
40	4,287 (04)	2	2	2		3,215 (04)	0	1	1		3,760 (04)	1	1	1		2,820 (04)	0	1	1		69	0.58	0.31	0.27	75	0.22	0.19	61,000
60	6,430 (06)	2	2	2		4,823 (06)	1	2	2		5,640 (06)	2	2	2		4,230 (06)	1	2	1		110	0.92	0.49	0.41	116	0.33	0.27	61,000
80	8,574 (08)	3	3	3		6,430 (08)	1	3	2		7,520 (08)	2	2	2		5,640 (08)	1	2	2		138	1.16	0.62	0.54	145	0.42	0.32	61,000
100	10,717 (10)	3	3	3		8,038 (10)	1	3	2		9,400 (10)	3	3	3		7,050 (10)	1	3	2		177	1.49	0.79	0.68	186	0.53	0.40	61,000
120	12,860 (12)	3	3	3		9,645 (12)	1	3	2		11,280 (12)	3	3	3		8,460 (12)	1	3	2		217	1.82	0.96	0.81	226	0.65	0.48	61,000

* Utilizes magnetic step-down transformer when 525mA drive current or multi-level options are selected

** For recommended lumen depreciation data see TD-13

*** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit www.iesna.org/PDF/Erratas/TM-15-07BugRatingsAddendum.pdf

NOTE: All data subject to change without notice.

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Meets Buy American requirements within the ARRA.

ARE-EDG-3M-DA THE EDGE® LED Area Light – Type III Medium

Rev. Date: 11/9/10

General Description

Slim, low profile design minimizes wind load requirements. Fixture sides are rugged cast aluminum with integral, weather-tight LED driver compartments and high performance aluminum heatsinks. Convenient, interlocking mounting method. Mounting housing is rugged die cast aluminum and mounts to 3 – 6" square or round pole. Fixture is secured by two (2) 5/16-18 UNC bolts spaced on 2" centers. Includes leaf/debris guard. Five year limited warranty on fixture.

Electrical

Modular design accommodates varied lighting output from high power, white, 6000K (+/- 500K per full fixture), minimum 70 CRI, long life LED sources. 120–277V 50/60 Hz, Class 1 LED drivers are standard. 347–480V 50/60 Hz driver is optional. LED drivers have power factor >90% and THD <20% of full load. Units provided with integral 10kV surge suppression protection standard. Integral weather-tight electrical box with terminal strip for easy power hook-up. Surge protection tested in accordance with IEEE C62.41.2 and ANSI standard 62.41.2.

Testing & Compliance

UL listed in the U.S. and Canada for wet locations and enclosure classified IP66 per IEC 529 when ordered without P or R options. Consult factory for CE Certified products. RoHS compliant. International Dark-Sky Association approved.

Finish

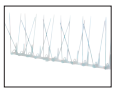
Exclusive Colorfast DeltaGuard® finish features an E-Coat epoxy primer with an ultra-durable silver powder topcoat, providing excellent resistance to corrosion, ultraviolet degradation and abrasion. Bronze, black, white and platinum bronze powder topcoats are also available. The finish is covered by our 10 year limited warranty.

Fixture and finish are endurance tested to withstand 5,000 hours of elevated ambient salt fog conditions as defined in ASTM Standard B 117.

Patents

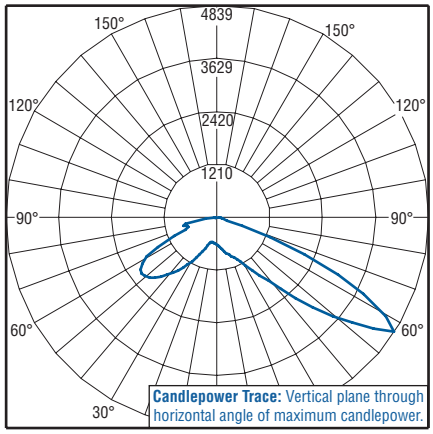
U.S. and international patents granted and pending. BetaLED is a division of Ruud Lighting, Inc. For a listing of Ruud Lighting, Inc. patents, visit www.uspto.gov.

Field-Installed Accessories

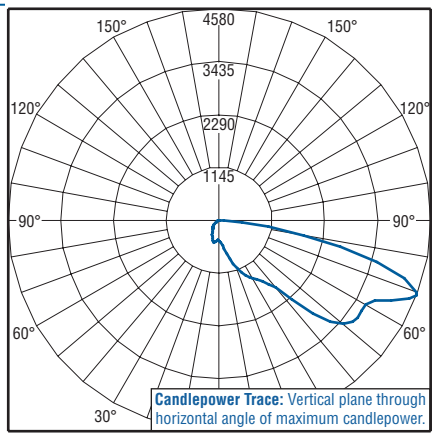


Bird Spikes
☐XA-BRDSPK

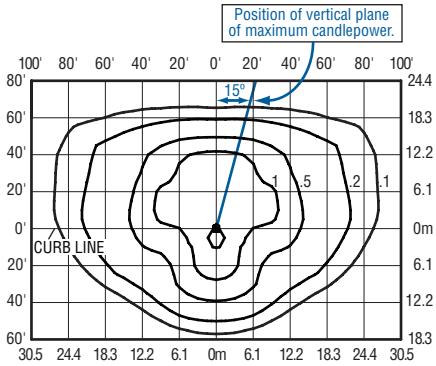
Photometrics



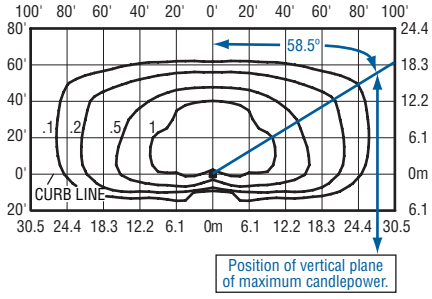
Independent Testing Laboratories certified test. Report No. ITL63574. Candlepower trace of 6000K, 120 LED Type III Medium area luminaire with 9,914 initial delivered lumens operating at 350mA. **All published luminaire photometric testing performed to IESNA LM-79-08 standards.**



Independent Testing Laboratories certified test. Report No. ITL64565. Candlepower trace of 6000K, 120 LED Type III Medium area luminaire with backlight control and 7,023 initial delivered lumens operating at 350mA. **All published luminaire photometric testing performed to IESNA LM-79-08 standards.**



Isofootcandle plot of 6000K, 120 LED Type III Medium area luminaire at 25' A.F.G. Luminaire with 9,893 initial delivered lumens operating at 350mA. Initial FC at grade.



Isofootcandle plot of 6000K, 120 LED Type III Medium area luminaire with backlight control at 25' A.F.G. Luminaire with 7,419 initial delivered lumens operating at 350mA. Initial FC at grade.

THE EDGE® EPA & Weight Calculations

# of LEDs	Approximate Weight 120-277V[1]	Single	2@ 180°	2@ 90°	3@ 90	4@ 90°
Fixed Arm Mount						
20	21.0 lbs.	0.60	1.20	0.87	1.47	1.75
40	23.7 lbs.	0.60	1.20	0.87	1.47	1.75
60	27.0 lbs.	0.60	1.20	0.92	1.51	1.83
80	28.1 lbs.	0.60	1.20	0.96	1.55	1.91
100	32.3 lbs.	0.60	1.20	1.00	1.60	2.00
120	33.5 lbs.	0.60	1.20	1.04	1.64	2.08
140	36.9 lbs.	0.60	1.20	1.08	1.68	2.16
160	41.4 lbs.	0.60	1.20	1.12	1.72	2.24
180	42.1 lbs.	0.60	1.20	n/a[2]	n/a[2]	n/a[2]
200	43.3 lbs.	0.61	1.21	n/a[2]	n/a[2]	n/a[2]
220	46.6 lbs.	0.65	1.29	n/a[2]	n/a[2]	n/a[2]
240	47.8 lbs.	0.69	1.38	n/a[2]	n/a[2]	n/a[2]

1. Add 5 lbs. for transformer in 347-480V fixtures when 525mA drive current or multi-level options are selected
2. For applications requiring 180 or more LEDs at 90 degrees refer to the DL mount version of our spec sheet.

NOTE: All data subject to change without notice.

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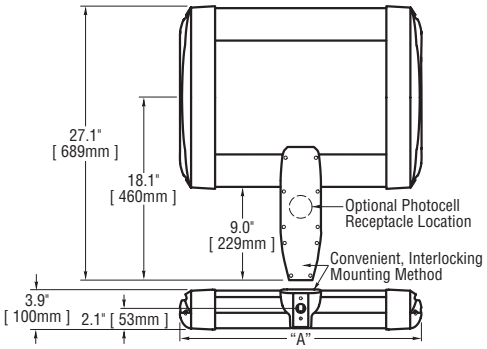
ARE-EDG-5M-DA THE EDGE® LED Area Light – Type V Medium

Rev. Date: 11/9/10

BetaLED Catalog #: ARE - EDG - 5M - DA - 14 - C - UL - - 43K -

Reset



# of LEDs	Dim. "A"
20	12.06"
40	12.06"
60	14.06"
80	16.06"
100	18.06"
120	20.06"
140	22.06"
160	24.06"
180	26.06"
200	28.06"
220	30.06"
240	32.06"

Notes:

Type - OC

Product	Family	Optic	Mounting	# of LEDs (x 10)	LED Series	Voltage	Color Options	Factory-Installed Options
ARE	EDG	5M[1]	DA[2]	☐ 02 ☐ 04 ☐ 06 ☐ 08 ☐ 10 ☐ 12 ☐ 14 ☐ 16 ☐ 18 ☐ 20 ☐ 22 ☐ 24	C	☐ UL Universal 120–277V ☐ UH Universal 347–480V ☐ 12 120V ☐ 24 240V ☐ 27 277V ☐ 34 347V	☐ SV Silver ☐ BK Black ☐ BZ Bronze ☐ PB Platinum Bronze ☐ WH White	Please type additional options in manually on the lines provided above. ☐ 43K 4300K Color Temperature[3] ☐ 525 525mA Drive Current[4,5] ☐ DIM5 0–10V Dimming (525mA maximum)[6,7] ☐ F Fuse[8,9] ☐ HL Hi/Low (175/350/525, dual circuit input)[10] ☐ P Photocell[11,12] ☐ R NEMA Photocell Receptacle[12] ☐ TL Two-Level (175/525 w/ integrated sensor control)[10] ☐ TL2 Two-Level (0/350 w/ integrated sensor control)[10] ☐ TL3 Two-Level (0/525 w/ integrated sensor control)[10]

Footnotes

1. IESNA Type V Medium distribution
2. Direct mounting arm for use with 3–6" square or round pole
3. Color temperature per fixture; minimum 70 CRI
4. Driver operates at 525mA instead of the standard 350mA providing a higher lumen output and a shorter life
5. Available on fixtures with 20–120 LEDs
6. Control by others
7. Refer to dimming spec sheet for availability and additional information
8. When code dictates fusing use time delay fuse
9. Not available when UH voltage is selected
10. Refer to multi-level spec sheet for availability and additional information
11. Must specify voltage other than UL or UH
12. This option not available with all multi-level options. Refer to multi-level spec sheet for more information

LED PERFORMANCE SPECS

# of LEDs	Initial Delivered Lumens – Type V Medium @ 6000K	B	U	G	Initial Delivered Lumens – Type V Medium @ 4300K	B	U	G	System Watts 120–277V	Total Current @ 120V	Total Current @ 230V	Total Current @ 277V	System Watts 347–480V*	Total Current @ 347V	Total Current @ 480V	L_{70} Hours** @ 25° C (77° F)
		Rating***				Rating***										
350mA (Standard) Fixture Operating at 25° C (77° F)																
20	1,793 (02)	1	1	1	1,573 (02)	1	1	1	25	0.23	0.11	0.10	30	0.09	0.08	105,000
40	3,586 (04)	2	1	1	3,145 (04)	2	1	1	49	0.41	0.23	0.20	51	0.15	0.12	105,000
60	5,379 (06)	3	1	1	4,718 (06)	3	1	1	71	0.60	0.32	0.28	74	0.22	0.17	105,000
80	7,172(08)	3	1	2	6,291 (08)	3	1	1	93	0.78	0.41	0.35	96	0.28	0.21	105,000
100	8,965 (10)	3	2	2	7,863 (10)	3	2	2	116	0.98	0.52	0.43	119	0.35	0.26	105,000
120	10,758 (12)	4	2	2	9,436 (12)	4	2	2	139	1.17	0.61	0.52	141	0.41	0.30	105,000
140	12,551 (14)	4	2	2	11,009 (14)	4	2	2	164	1.39	0.74	0.63	170	0.49	0.35	105,000
160	14,344 (16)	4	2	2	12,582 (16)	4	2	2	186	1.58	0.83	0.71	192	0.55	0.40	105,000
180	16,137 (18)	4	3	2	14,154 (18)	4	2	2	211	1.77	0.93	0.79	215	0.62	0.45	105,000
200	17,930 (20)	4	3	2	15,727 (20)	4	3	2	233	1.97	1.03	0.87	237	0.68	0.49	105,000
220	19,723 (22)	5	3	3	17,300 (22)	4	3	2	256	2.16	1.13	0.95	259	0.75	0.54	105,000
240	21,516 (24)	5	3	3	18,872 (24)	5	3	3	279	2.35	1.23	1.03	282	0.81	0.59	105,000
525mA Fixture Operating at 25° C (77° F)																
20	2,331 (02)	2	1	1	2,044 (02)	2	1	1	37	0.31	0.18	0.17	43	0.13	0.15	61,000
40	4,662 (04)	3	1	1	4,089 (04)	3	1	1	69	0.58	0.31	0.27	75	0.22	0.19	61,000
60	6,993 (06)	3	1	2	6,133 (06)	3	1	1	110	0.92	0.49	0.41	116	0.33	0.27	61,000
80	9,324 (08)	4	2	2	8,178 (08)	3	2	2	138	1.16	0.62	0.54	145	0.42	0.32	61,000
100	11,655 (10)	4	2	2	10,222 (10)	4	2	2	177	1.49	0.79	0.68	186	0.53	0.40	61,000
120	13,986 (12)	4	2	2	12,267 (12)	4	2	2	217	1.82	0.96	0.81	226	0.65	0.48	61,000

* Utilizes magnetic step-down transformer when 525mA drive current or multi-level options are selected

** For recommended lumen depreciation data see TD-13

*** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit www.iesna.org/PDF/Erratas/TM-15-07BugRatingsAddendum.pdf

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ARE-EDG-5M-DA THE EDGE® LED Area Light – Type V Medium

Rev. Date: 11/9/10

General Description

Slim, low profile design minimizes wind load requirements. Fixture sides are rugged cast aluminum with integral, weather-tight LED driver compartments and high performance aluminum heatsinks. Convenient, interlocking mounting method. Mounting housing is rugged die cast aluminum and mounts to 3 – 6" square or round pole. Fixture is secured by two (2) 5/16-18 UNC bolts spaced on 2" centers. Includes leaf/debris guard. Five year limited warranty on fixture.

Electrical

Modular design accommodates varied lighting output from high power, white, 6000K (+/- 500K per full fixture), minimum 70 CRI, long life LED sources. 120–277V 50/60 Hz, Class 1 LED drivers are standard. 347–480V 50/60 Hz driver is optional. LED drivers have power factor >90% and THD <20% of full load. Units provided with integral 10kV surge suppression protection standard. Integral weather-tight electrical box with terminal strip for easy power hook-up. Surge protection tested in accordance with IEEE C62.41.2 and ANSI standard 62.41.2.

Testing & Compliance

UL listed in the U.S. and Canada for wet locations and enclosure classified IP66 per IEC 529 when ordered without P or R options. Consult factory for CE Certified products. RoHS compliant. International Dark-Sky Association approved.

Finish

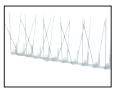
Exclusive Colorfast DeltaGuard® finish features an E-Coat epoxy primer with an ultra-durable silver powder topcoat, providing excellent resistance to corrosion, ultraviolet degradation and abrasion. Bronze, black, white and platinum bronze powder topcoats are also available. The finish is covered by our 10 year limited warranty.

Fixture and finish are endurance tested to withstand 5,000 hours of elevated ambient salt fog conditions as defined in ASTM Standard B 117.

Patents

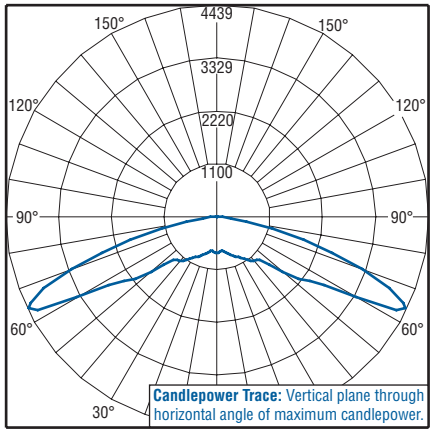
U.S. and international patents granted and pending. BetaLED is a division of Ruud Lighting, Inc. For a listing of Ruud Lighting, Inc. patents, visit www.uspto.gov.

Field-Installed Accessories



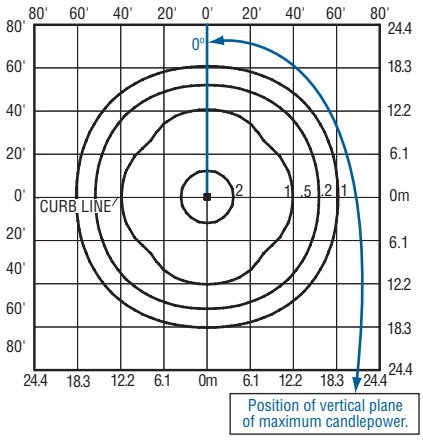
Bird Spikes
☐ XA-BRDSPK

Photometrics



Candlepower Trace: Vertical plane through horizontal angle of maximum candlepower.

Independent Testing Laboratories certified test. Report No. ITL63746. Candlepower trace of 6000K, 120 LED Type V Medium area luminaire with 11,013 initial delivered lumens operating at 350mA. **All published luminaire photometric testing performed to IESNA LM-79-08 standards.**



Isofootcandle plot of 6000K, 120 LED Type V Medium area luminaire at 25' A.F.G. Luminaire with 10,758 initial delivered lumens operating at 350mA. Initial FC at grade.

THE EDGE® EPA & Weight Calculations

# of LEDs	Approximate Weight 120-277V[1]	Single	2@ 180°	2@ 90°	3@ 90	4@ 90°
Fixed Arm Mount						
20	21.0 lbs.	0.60	1.20	0.87	1.47	1.75
40	23.7 lbs.	0.60	1.20	0.87	1.47	1.75
60	27.0 lbs.	0.60	1.20	0.92	1.51	1.83
80	28.1 lbs.	0.60	1.20	0.96	1.55	1.91
100	32.3 lbs.	0.60	1.20	1.00	1.60	2.00
120	33.5 lbs.	0.60	1.20	1.04	1.64	2.08
140	36.9 lbs.	0.60	1.20	1.08	1.68	2.16
160	41.4 lbs.	0.60	1.20	1.12	1.72	2.24
180	42.1 lbs.	0.60	1.20	n/a[2]	n/a[2]	n/a[2]
200	43.3 lbs.	0.61	1.21	n/a[2]	n/a[2]	n/a[2]
220	46.6 lbs.	0.65	1.29	n/a[2]	n/a[2]	n/a[2]
240	47.8 lbs.	0.69	1.38	n/a[2]	n/a[2]	n/a[2]

1. Add 5 lbs. for transformer in 347-480V fixtures when 525mA drive current or muli-level options are selected
2. For applications requiring 180 or more LEDs at 90 degrees refer to the DL mount version of our spec sheet.

NOTE: All data subject to change without notice.

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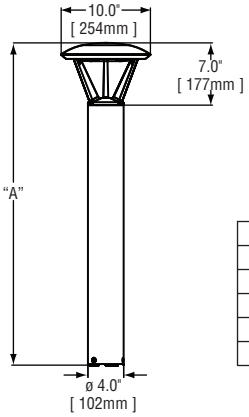
PWY-EDG-2M THE EDGE® LED Pathway Light – Type II Medium

Rev. Date: 11/11/10

BetaLED Catalog #: PWY - EDG - 2M - P4 - 02 - C - UL - - 43K -

Reset



Model	Dim. "A"
Landscape-12	13"
Landscape-18	18"
Pathway	36"
Pathway	42"
Pedestrian	96"

Notes:

Product	Family	Optic	Mounting	# of LEDs (x 10)	LED Series	Voltage	Color Options
PWY	EDG Pathway Light	2M[1] Type II Medium	☐ PO[2] ☐ P1[3] ☐ P3[4] ☐ P4[5] ☐ P8[6]	02[7]	C	☐ UL Universal 120–277V ☐ UH[8] Universal 347–480V ☐ 12 120V ☐ 27 277V ☐ 34[8] 347V	☐ SV Silver ☐ BK Black ☐ WH White ☐ BZ Bronze ☐ PB Platinum Bronze

Factory-Installed Options

Please type additional options in manually on the lines provided above.

- ☐ **43K** 4300K Color Temperature[9]
- ☐ **525** 525mA Drive Current[10]
- ☐ **F** Fuse[11,12]
- ☐ **HL** Hi/Low (175/350/525, dual circuit input)[13,14]
- ☐ **TL** Two-Level (175/525 w/ integrated sensor control)[13,14]
- ☐ **TL2** Two-Level (0/350 w/ integrated sensor control)[13,14]
- ☐ **TL3** Two-Level (0/525 w/ integrated sensor control)[13,14]
- ☐

Footnotes

1. IESNA Type II Medium distribution
2. 13" landscape fixture
3. 18" landscape fixture
4. 3' pathway fixture (bollard)
5. 42" pathway fixture (bollard)
6. 8' pedestrian fixture
7. Actual number of LEDs provided is 18
8. Available with 3, 4 and 8 mounting options
9. Color temperature per fixture; minimum 70 CRI
10. Driver operates at 525mA instead of the standard 350mA providing a higher lumen output and a shorter life
11. Not available when UH voltage is selected
12. When code dictates fusing use time delay fuse
13. Refer to multi-level spec sheet for availability and additional information
14. Available with 1, 3, 4 and 8 mounting options

LED PERFORMANCE SPECS

# of LEDs	Initial Delivered Lumens – Type II Medium @ 6000K	B	U	G	Initial Delivered Lumens – Type II Medium @ 4300K	B	U	G	System Watts 120–277V	Total Current @ 120V	Total Current @ 230V	Total Current @ 277V	System Watts 347–480V*	Total Current @ 347V	Total Current @ 480V	L_{70} Hours** @ 25° C (77° F)
		Rating***				Rating***										
350mA (Standard) Fixture Operating at 25° C (77° F)																
18	1,383 (02)	1	2	1	1,213 (02)	0	2	1	24	0.20	0.11	0.10	30	0.10	0.14	150,000
525mA Fixture Operating at 25° C (77° F)																
18	1,798 (02)	1	2	1	1,577 (02)	1	2	1	38	0.32	0.18	0.16	44	0.13	0.15	92,000

* Utilizes magnetic step-down transformer when 525mA drive current or multi-level options are selected

** For recommended lumen depreciation data see TD-13

*** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit www.iesna.org/PDF/Erratas/TM-15-07BugRatingsAddendum.pdf

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PWY-EDG-2M THE EDGE® LED Pathway Light – Type II Medium

Rev. Date: 11/11/10

General Description

Slim, low profile design. Fixture is constructed from rugged extruded aluminum, die cast aluminum and stamped metal components. LED driver is mounted in extruded aluminum fixture ends and sealed for weather-tight operation. High performance aluminum heatsinks specifically designed for LED parking structure application. Pendant mount includes 36" cord of fixture. Five year limited warranty on fixture.

Electrical

Modular design accommodates varied lighting output from high power, white, 6000K (+/- 500K per full fixture), minimum 70 CRI, long life LED sources. 120–277V 50/60 Hz, Class 1 LED drivers are standard. LED drivers have power factor >90% and THD <20% of full load. Units provided with integral 10kV surge suppression protection standard. Surge protection tested in accordance with IEEE C62.41.2 and ANSI standard 62.41.2.

Testing & Compliance

UL listed in the U.S. and Canada for wet locations. Consult factory for CE Certified products. Fixture also available with CE listing. RoHS compliant. International Dark-Sky Association approved.

Finish

Exclusive Colorfast DeltaGuard© finish features an E-Coat epoxy primer with an ultra-durable silver powder topcoat, providing excellent resistance to corrosion, ultraviolet degradation and abrasion. Bronze, black, white and platinum bronze powder topcoats are also available. The finish is covered by our 10 year limited warranty.

Fixture and finish are endurance tested to withstand 5,000 hours of elevated ambient salt fog conditions as defined in ASTM Standard B 117.

Patents

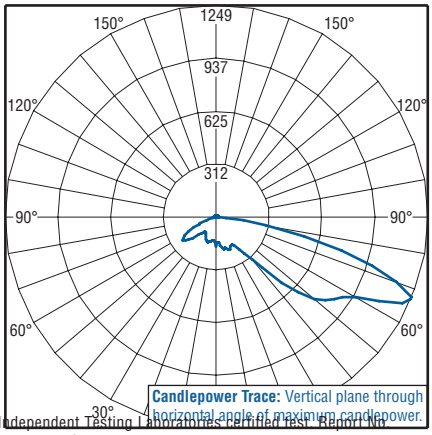
U.S. and international patents granted and pending. BetaLED is a division of Ruud Lighting, Inc. For a listing of Ruud Lighting, Inc. patents, visit www.uspto.gov.

Field-Installed Accessories

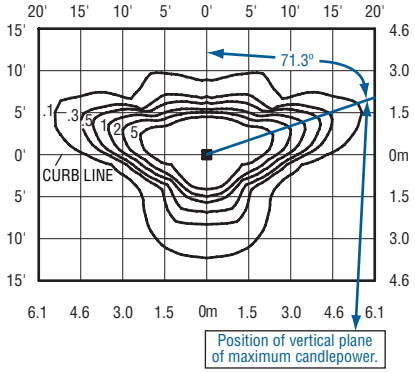
Retro-Fit Kit
Used for replacement of existing bollards.

- ☐ XA-XBPRSV
- ☐ XA-XBP8RBK
- ☐ XA-XBP8RWH
- ☐ XA-XBP8RBZ
- ☐ XA-XBP8RPB

Photometrics



Independent Testing Laboratories certified test Report No. ITL64981. Candlepower trace of 6000K, 18 LED Type II Medium pathway luminaire with 1,383 initial delivered lumensoperating at 350mA. **All published luminaire photometric testing performed to IESNA LM-79-08 standards.**



Isofootcandle plot of 6000K, 18 LED Type II Medium pathway luminaire at 3' A.F.G. Luminaire with 1,383 initial delivered lumens operating at 350mA. Initial FC at grade.

NOTE: All data subject to change without notice.

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