PRELIMINARY PLAT OF: SOUTH LOOP FIRE STATION

EXISTING LEGAL DESCRIPTION:

Tract A:
Lot 3, Block 1, Lyle Gerhardt Addition, according to the recorded plat thereof, Hennepin County, Minnesota.
Abstract Property

Tract B:
Lot 2, Block 1, Lyle Gerhardt Addition, according to the recorded plat thereof, Hennepin County, Minnesota.
Abstract Property

Tract C:
Lot 1, Block 1, Lyle Gerhardt Addition, according to the recorded plat thereof, Hennepin County, Minnesota.
Abstract Property

Tract D:
Parcel 1:
Lot 48, Auditor's Subdivision No. 205, Hennepin County, Minnesota, except the East 286.2 feet thereof, and except the North 30 feet thereof.
Abstract Property
Parcel 2:
Lot 47, Auditor's Subdivision No. 205, Hennepin County, Minnesota.
Registered Property
Certificate of Title No. 1217518

Tract E:
Lot 49, Auditor's Subdivision No. 205, except the South 258.16 feet thereof, Hennepin County, Minnesota.
Abstract Property

Tract F:
That part of the North 75 feet of the South 258.16 feet (measures at right angles) to the South line of Lot 49, Auditor's Subdivision No. 205, Hennepin County, Minnesota, lying westerly of a line described as running from a point on the South line of Lot 51 of said Auditor's Subdivision No. 205, distant 606.24 feet west of the East line of said Lot 51, to a point on the North line of the South 258.16 feet of said Lot 49, distant 285 feet west of the East line thereof.
Abstract Property

Tract G:
That part of Lot 49, Auditor's Subdivision No. 205, Hennepin County, Minnesota, described as follows:
That part of the South 258.16 feet lying south of the North 75 feet thereof and north of the South 75 feet thereof which lies west a line running from a point in the South line of Lot 51 a distance of 606.24 feet west from the East line thereof to a point in the North line of the South 258.16 feet of Lot 49 a distance of 285 feet West of the East line thereof.
Abstract Property

TO BE PLATTED AS:

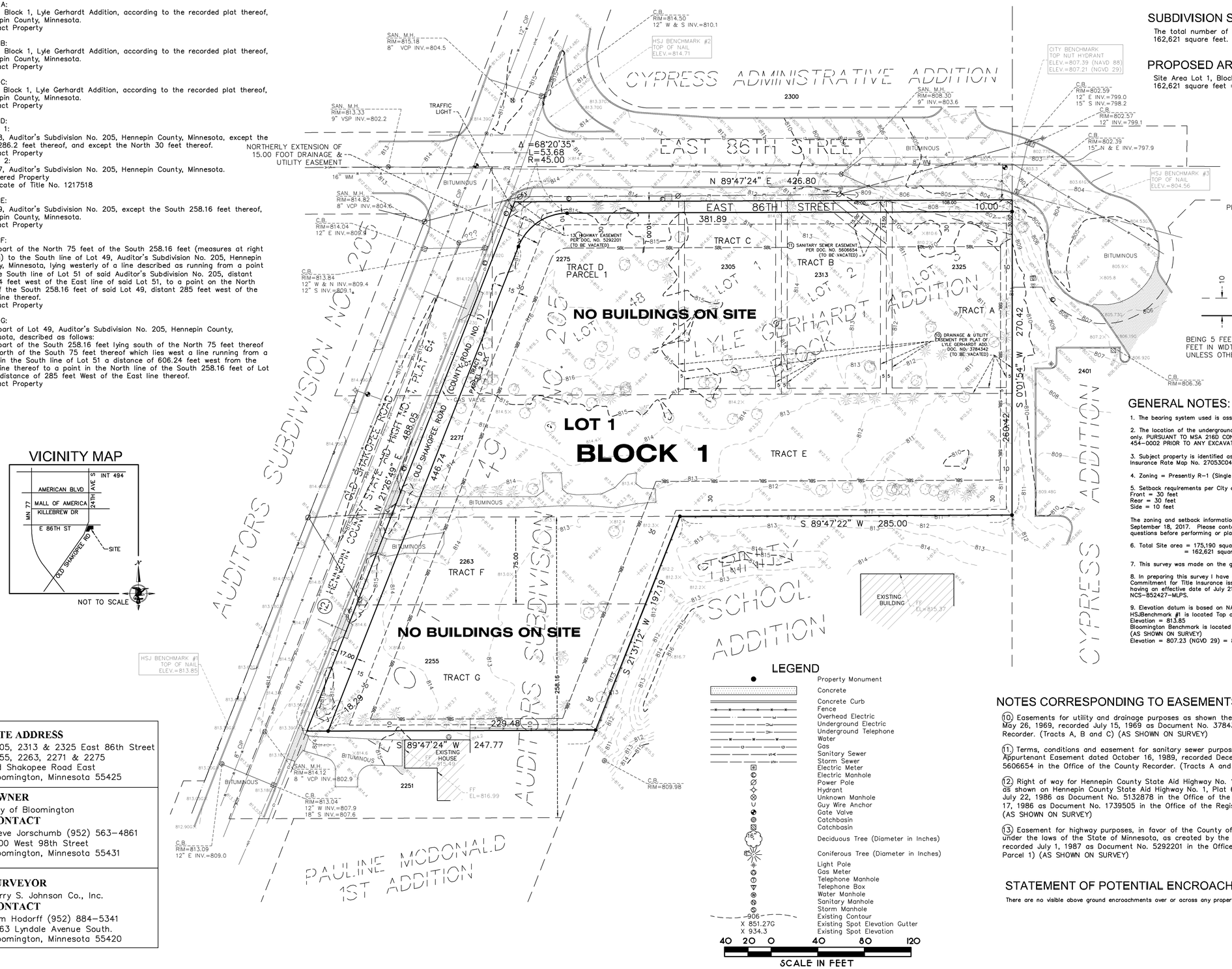
Lot 1, Block 1, SOUTH LOOP FIRE STATION, Hennepin County, Minnesota.

SUBDIVISION SUMMARY:

The total number of lots is equal to 1. The total area is 162,621 square feet.

PROPOSED AREA:

Site Area Lot 1, Block 1, SOUTH LOOP FIRE STATION equals 162,621 square feet = 3.733 acres.



GENERAL NOTES:

1. The bearing system used is assumed.

2. The location of the underground utilities shown hereon, if any, are approximate only. PURSUANT TO MSA 216D CONTACT GOPHER STATE ONE CALL AT (612) 454-0002 PRIOR TO ANY EXCAVATION.

3. Subject property is identified as being in "Zone X, Other Areas" on Flood Insurance Rate Map No. 27053C0476F, effective date November 4, 2016.

4. Zoning = Presently R-1 (Single Family Residential) per City of Bloomington.

5. Setback requirements per City of Bloomington.
Front = 30 feet
Rear = 30 feet
Side = 10 feet

The zoning and setback information listed above is per Bloomington's webpage, on September 18, 2017. Please contact Bloomington's zoning office with any questions before performing or planning construction.

6. Total Site area = 175,190 square feet = 4.022 acres, including right of way.
= 162,621 square feet = 3.733 acres, excluding right of way.

7. This survey was made on the ground.

8. In preparing this survey I have relied upon the supporting documents and the Commitment for Title Insurance issued by First American Title Insurance Company, having an effective date of July 21, 2017 and bearing file number NCS-852427-MLPS.

9. Elevation datum is based on NAVD 88 data.
HSJBenchmark #1 is located Top of Nail (AS SHOWN ON SURVEY)
Elevation = 813.85
Bloomington Benchmark is located on TNH NE corner of site
(AS SHOWN ON SURVEY)
Elevation = 807.23 (NGVD 29) = 807.39 (NAVD 88)

VICINITY MAP

LEGEND

NOTES CORRESPONDING TO EASEMENTS:

(10) Easements for utility and drainage purposes as shown the plat of Lyle Gerhardt Addition dated May 26, 1969, recorded July 15, 1969 as Document No. 3784342 in the Office of the County Recorder. (Tracts A, B and C) (AS SHOWN ON SURVEY)

(11) Terms, conditions and easement for sanitary sewer purposes as contained in the Deed of Appurtenant Easement dated October 16, 1989, recorded December 15, 1989 as Document No. 5606654 in the Office of the County Recorder. (Tracts A and B) (AS SHOWN ON SURVEY)

(12) Right of way for Hennepin County State Aid Highway No. 1, also known as Old Shakopee Road, as shown on Hennepin County State Aid Highway No. 1, Plat 64 dated July 14, 1986, recorded July 22, 1986 as Document No. 5132878 in the Office of the County Recorder, and recorded July 17, 1986 as Document No. 1739505 in the Office of the Registrar of Titles. (Tracts D, E, F and G) (AS SHOWN ON SURVEY)

(13) Easement for highway purposes, in favor of the County of Hennepin, a body politic and corporate under the laws of the State of Minnesota, as created by the Quit Claim Deed dated May 26, 1987, recorded July 1, 1987 as Document No. 5292201 in the Office of the County Recorder. (Tract D, Parcel 1) (AS SHOWN ON SURVEY)

STATEMENT OF POTENTIAL ENCROACHMENTS:

There are no visible above ground encroachments over or across any property lines of subject property.

SITE ADDRESS
2305, 2313 & 2325 East 86th Street
2255, 2263, 2271 & 2275
Old Shakopee Road East
Bloomington, Minnesota 55425

OWNER
City of Bloomington
CONTACT
Steve Jorschumb (952) 563-4861
1700 West 98th Street
Bloomington, Minnesota 55431

SURVEYOR
Harry S. Johnson Co., Inc.
CONTACT
Tom Hodorff (952) 884-5341
9063 Lyndale Avenue South.
Bloomington, Minnesota 55420

N

SCALE: 1 INCH = 40 FEET

REVISIONS

Date:	
2/13/18	revised D&U esmt

I hereby certify that this survey, plan or report was prepared by me or under my direct supervision and that I am a duly Registered Land Surveyor under the laws of the State of Minnesota

Thomas E. Hodorff, L.S.
Minnesota Reg. No. 23677

Date: September 13, 2017

PRELIMINARY PLAT OF SOUTH LOOP FIRE STATION

For:

CITY OF BLOOMINGTON

SITE:

2255, 2263, 2271 & 2275
OLD SHAKOPEE ROAD EAST
2305, 2313 & 2325 EAST 86TH STREET

BLOOMINGTON, MINNESOTA
HENNEPIN COUNTY

HARRY S. JOHNSON CO., INC.
LAND SURVEYORS
9063 Lyndale Avenue South
Bloomington, MN. 55437
Tele. 952-884-5341 Fax 952-884-5344
www.hsjsurveyors.com

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OFFICIAL PLAT CASE PL2018-305

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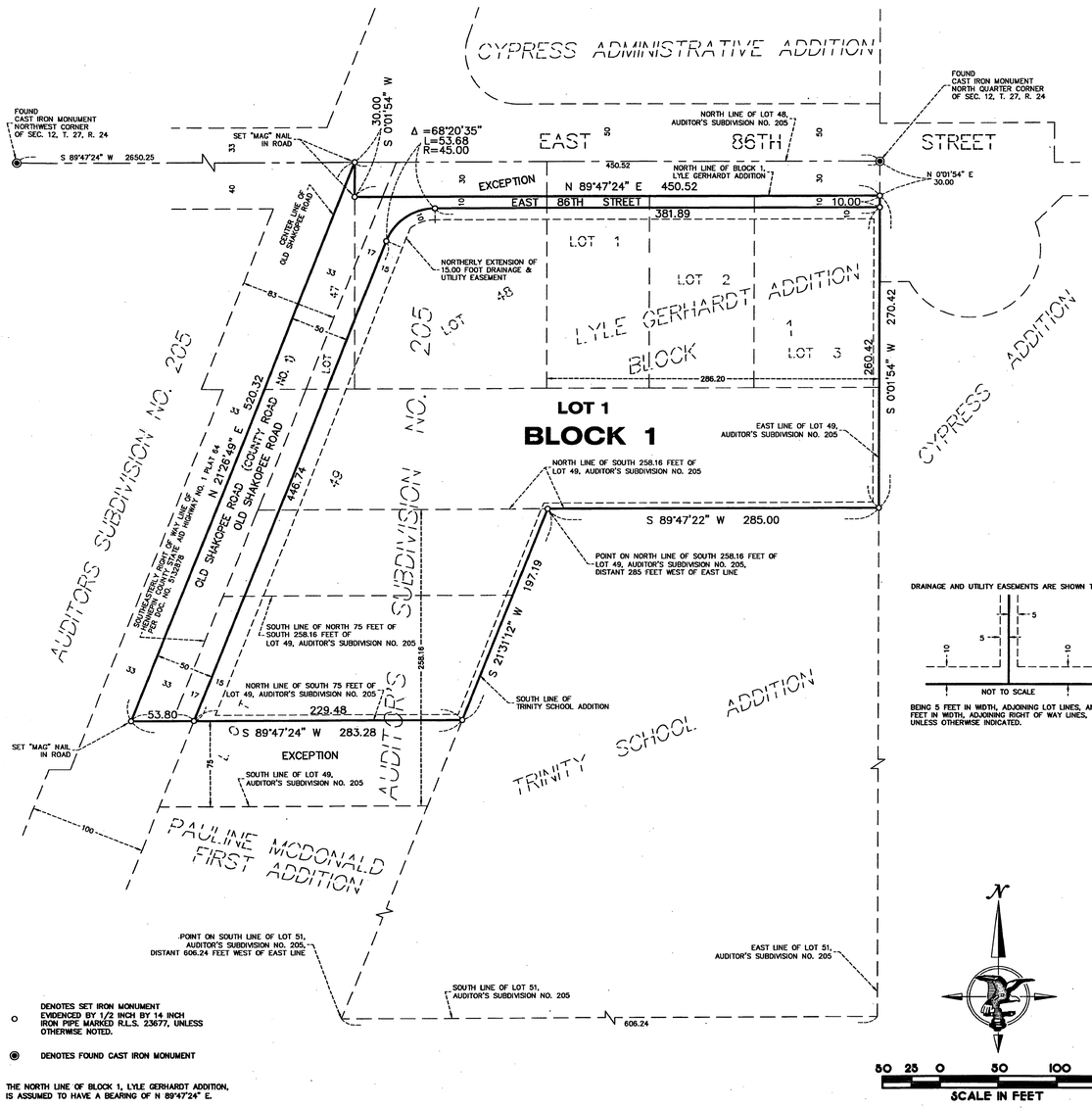
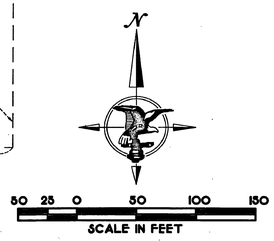
SOUTH LOOP FIRE STATION

R.T. DOC. NO. 5533084
C.R. DOC. NO. 10556524
CTF NO: 1463916



BEING 5 FEET IN WIDTH, ADJOINING LOT LINES, AND 10 FEET IN WIDTH, ADJOINING RIGHT OF WAY LINES, UNLESS OTHERWISE INDICATED.



KNOW ALL PERSONS BY THESE PRESENTS: That City of Bloomington, a Minnesota municipal corporation, fee owner, of the following described property situated in the County of Hennepin, State of Minnesota to wit:

The registered portion is described as:

Lot 47, Auditor's Subdivision No. 205.

The abstract portion is described as:

Lots 1, 2 and 3, Block 1, LYLE GERHARDT ADDITION.

Lot 48, Auditor's Subdivision No. 205, except the East 286.2 feet thereof, and except the North 30 feet thereof.

Lot 49, Auditor's Subdivision No. 205, except the South 258.16 feet thereof,

That part of the North 75 feet of the South 258.16 feet (measures at right angles) to the South line of Lot 49, Auditor's Subdivision No. 205, lying westerly of a line described as running from a point on the South line of Lot 51 of said Auditor's Subdivision No. 205, distant 606.24 feet west of the East line of said Lot 51, to a point on the North line of the South 258.16 feet of said Lot 49, distant 285 feet west of the East line thereof.

That part of Lot 49, Auditor's Subdivision No. 205, described as follows:
That part of the South 258.16 feet lying south of the North 75 feet thereof and north of the South 75 feet thereof which lies west a line running from a point in the South line of Lot 51 a distance of 606.24 feet west from the East line thereof to a point in the North line of the South 258.16 feet of Lot 49 a distance of 285 feet West of the East line thereof.

Has caused the same to be surveyed and platted as SOUTH LOOP FIRE STATION and does hereby dedicate to the public, for public use forever, the public ways and easements as shown on this plat for drainage and utility purposes only.

In witness whereof said City of Bloomington, a Minnesota municipal corporation has caused these presents to be signed by its proper officer this 10th day of May 2018

Signed: City of Bloomington

_____ Its City Manager

STATE OF Minnesota
COUNTY OF Hennepin

The foregoing instrument was acknowledged before me this 10th day of May 2018 by _____ its City Manager of City of Bloomington, a Minnesota municipal corporation, on behalf of the corporation.

_____
Notary Public, Hennepin County, Minnesota
My Commission Expires 1-31-19

Denise M. Christenson
Printed Name

DENISE M CHRISTENSON
Notary Public
State of Minnesota
My Commission Expires
Jan 31, 2019

I, Thomas E. Hodorff, do hereby certify that this plat was prepared by me or under my direct supervision; that I am a duly Licensed Land Surveyor in the State of Minnesota; that this plat is a correct representation of the boundary survey; that all mathematical data and labels are correctly designated on the plat; that all monuments depicted on this plat have been, or will be correctly set within one year; that all water boundaries and wet lands, as defined in Minnesota Statutes, Section 505.01, Subd. 3, as of the date of this certificate are shown and labeled on this plat; and all public ways are shown and labeled on this plat.

Dated this 1st day of MAY 2018

_____
Thomas E. Hodorff, Licensed Land Surveyor,
Minnesota License No. 23677

STATE OF MINNESOTA
COUNTY OF Hennepin

This instrument was acknowledged before me on this 1st day of May 2018, By Thomas E. Hodorff.

_____
Notary Public, Hennepin County, Minnesota
My Commission Expires 1-31-2019

Bruce Waldman
Printed Name

BRUCE GALVERT WALDMAN
Notary Public
Minnesota
My Commission Expires
Jan 31 2019

BLOOMINGTON, MINNESOTA

This plat of SOUTH LOOP FIRE STATION was approved and accepted by the City Council of the City of Bloomington, Minnesota at a regular meeting thereof held this 5th day of March 2018 If applicable, the written comments and recommendations of the Commissioner of Transportation and the County Highway Engineer have been received by the City or the prescribed 30 day period has elapsed without receipt of such comments and recommendations, as provided by Minnesota Statutes, Section 505.03, Subd. 2.

CITY COUNCIL OF BLOOMINGTON, MINNESOTA

By: _____ Mayor By: _____ City Manager

RESIDENT AND REAL ESTATE SERVICES, Hennepin County, Minnesota

I hereby certify that taxes payable in 2019 and prior years have been paid for land described on this plat, dated this 24th day of MAY 2018

By: Mark V. Chapin, County Auditor By: _____ Deputy

SURVEY DIVISION, Hennepin County, Minnesota

Pursuant to MN. STAT. Sec. 383B.565 (1969), this plat has been approved this 24th day of May 2018.

Chris F. Mavis, Hennepin County Surveyor By: _____

REGISTRAR OF TITLES, Hennepin Country, Minnesota

I hereby certify that the within plat of SOUTH LOOP FIRE STATION was filed in this office this 24th day of MAY 2018 at 3:40 o'clock P.M.

Martin McCormick, Registrar of Titles By: _____ Deputy

COUNTY RECORDER, Hennepin Country, Minnesota

I hereby certify that the within plat of SOUTH LOOP FIRE STATION was recorded in this office this 24th day of MAY 2018 at 3:45 o'clock P.M.

Martin McCormick, County Recorder By: _____ Deputy

HARRY S. JOHNSON LAND SURVEYORS

REGISTRAR OF TITLES
HENNEPIN COUNTY, MINN.

STATE OF MINNESOTA, COUNTY OF HENNEPIN
Certified to be a true and correct copy of the original on file and of record in my office

JUL 19 2018

Martin McCormick, Registrar of Titles
By _____ Deputy

18.029

CASE PL2018-305

GENERAL NOTES

1. MINNESOTA STATE STATUTE REQUIRES NOTIFICATION PER "GOPHER STATE ONE CALL (GSOC)" PRIOR TO COMMENCING ANY GRADING, EXCAVATION OR UNDERGROUND WORK.THE ONE CALL SERVICE IS FREE OF CHARGE. SOME UNDERGROUND LINES ON PRIVATE PROPERTY ARE PRIVATELY OWNED AND MY NOT BE MARKED BY A UTILITY. OTHER UNDERGROUND LINES, BETWEEN A METER AND THE HOME OR BUSINESS, MAY BE CONSIDERED PRIVATELY–OWNED. IN THESE CASES A CHARGE BY THE UTILITY MAY APPLY TO LOCATE AND MARK THOSE LINES.
2. THE CONTRACTOR SHALL CONTACT GSOC AT LEAST 48 HOURS IN ADVANCE FOR ALL UNDERGROUND WIRES, CABLES, CONDUITS, PIPES, MANHOLES, VALVES OR OTHER BURIED STRUCTURES BEFORE DIGGING. THE CONTRACTOR SHALL REPAIR OR REPLACE THE ABOVE WHEN DAMAGED DURING CONSTRUCTION AT NO COST TO THE OWNER.
3. THE CONTRACTOR SHALL FIELD VERIFY LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES AND TOPOGRAPHIC FEATURES PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITY. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES OR VARIATIONS FROM THE PLANS.
4. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO AVOID PROPERTY DAMAGE TO ADJACENT PROPERTIES DURING THE CONSTRUCTION PHASE OF THIS PROJECT. THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR ANY DAMAGES TO ADJACENT PROPERTIES OCCURRING DURING THE CONSTRUCTION PHASE OF THIS PROJECT.
5. THE CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING TRAFFIC CONTROL DEVICES SUCH AS BARRICADES, WARNING SIGNS, DIRECTIONAL SIGNS, FLAGMEN AND LIGHTS TO CONTROL THE MOVEMENT OF TRAFFIC WHERE NECESSARY. PLACEMENT OF THESE DEVICES SHALL BE APPROVED BY THE ENGINEER PRIOR TO PLACEMENT. TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE APPROPRIATE MINNESOTA DEPARTMENT OF TRANSPORTATION STANDARDS.
6. IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS ON THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING THE PERFORMANCE OF THE WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.
7. THE DUTY OF THE ENGINEER OR THE DEVELOPER TO CONDUCT CONSTRUCTION REVIEW OF THE CONTRACTORS PERFORMANCE IS NOT INTENDED TO INCLUDE REVIEW OF THE ADEQUACY OF THE CONTRACTORS SAFETY MEASURES IN, OR NEAR THE CONSTRUCTION SITE.
8. BEFORE BEGINNING CONSTRUCTION THE CONTRACTOR SHALL INSTALL EROSION AND SEDIMENTATION CONTROL MEASURES IN ACCORDANCE WITH NPDES PERMIT REQUIREMENTS, BEST MANAGEMENT PRACTICES, STATE AND LOCAL REQUIREMENTS AND THE DETAILS SHOWN ON THE DETAIL SHEET(S) OF THE PROJECT PLANS.
9. ALL CONSTRUCTION PERMITS, APPLICATIONS AND FEES ARE THE RESPONSIBILITY OF THE CONTRACTOR.
10. ALL ENTRANCES AND CONNECTIONS TO CITY STREETS SHALL BE CONSTRUCTED PER THE REQUIREMENTS OF THE STATE AND LOCAL JURISDICTIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PERMITS AND NOTIFICATIONS AS REQUIRED.
11. ALL STREET REPAIRS AND PATCHING SHALL BE PERFORMED PER THE REQUIREMENTS OF THE CITY. ALL TRAFFIC CONTROL SHALL BE PROVIDED BY THE CONTRACTOR AND SHALL BE ESTABLISHED PER THE REQUIREMENTS OF THE MINNESOTA MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MMUTCD) AND THE CITY. THIS SHALL INCLUDE ALL SIGNAGE, BARRICADES, FLASHERS AND FLAGGERS AS NEEDED. ALL PUBLIC STREETS SHALL BE OPEN TO TRAFFIC AT ALL TIMES.
12. ADJUST ALL EXISTING STRUCTURES, BOTH PUBLIC AND PRIVATE TO THE PROPOSED GRADES WHERE DISTURBED AND COMPLY WITH ALL REQUIREMENTS OF THE UTILITY OWNERS. STRUCTURES BEING RESET TO PAVED AREAS MUST MEET OWNERS REQUIREMENTS FOR TRAFFIC LOADING.
13. EXISTING TOPOGRAPHY PROVIDED BY SRF CONSULTING GROUP, BOUNDARY & TOPOGRAPHIC SURVEY, DATED 09/27/12.

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City of Bloomington

2301 EAST 86TH STREET
BLOOMINGTON,
MN 55425

Bloomington Fire Station #3

wendel

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p:715.832.4848 f:716.625.6825

Wendel WD Architecture, Engineering, Surveying and Landscape Architecture, P.C.

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ROBERT KRZYZANOWSKI, PROGRAM MANAGER
STEVE GAUSMAN, AIA
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sgausman@fivebugledesign.com

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mmcgarvey@srfconsulting.com

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Tom@nce-duluth.com

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ENGINEERS PLANNERS DESIGNERS
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SUITE 150
MINNEAPOLIS, MN. 55447
763.475.0010
WWW.SRFCONSULTING.COM

NO.	REVISIONS	DATE

DWG. TITLE

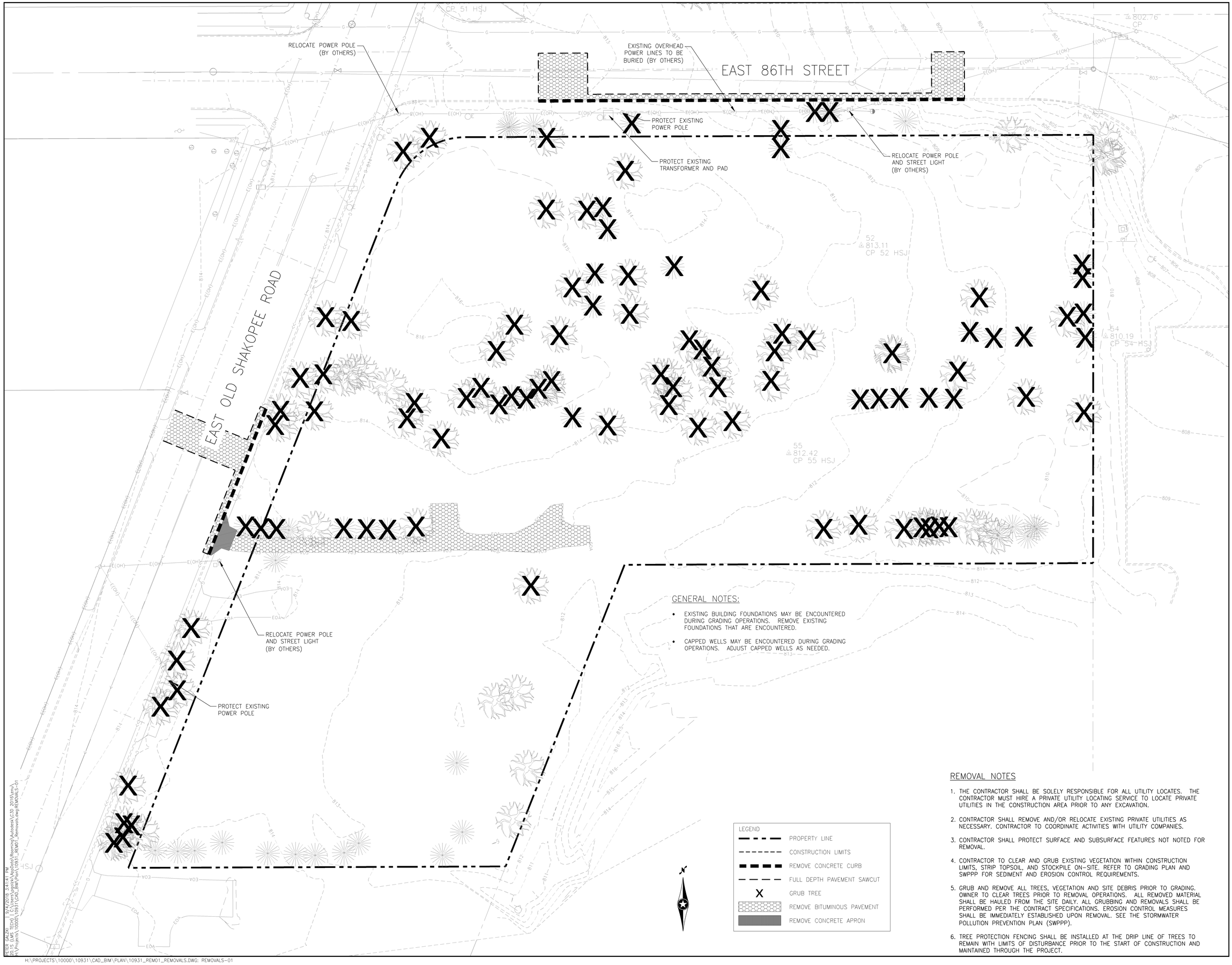
EXISTING CONDITIONS PLAN

SCALE IN FEET
0 20 40

DATE 08-21-2018
SCALE
DWN. CHK.
PROJ. No. (SRF 10931.00)
DWG. No.

C1-0

CASE PL2018-305



GENERAL NOTES:

- EXISTING BUILDING FOUNDATIONS MAY BE ENCOUNTERED DURING GRADING OPERATIONS. REMOVE EXISTING FOUNDATIONS THAT ARE ENCOUNTERED.
- CAPPED WELLS MAY BE ENCOUNTERED DURING GRADING OPERATIONS. ADJUST CAPPED WELLS AS NEEDED.

LEGEND

- PROPERTY LINE
- CONSTRUCTION LIMITS
- REMOVE CONCRETE CURB
- FULL DEPTH PAVEMENT SAWCUT
- X GRUB TREE
- REMOVE BITUMINOUS PAVEMENT
- REMOVE CONCRETE APRON

REMOVAL NOTES

1. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL UTILITY LOCATES. THE CONTRACTOR MUST HIRE A PRIVATE UTILITY LOCATING SERVICE TO LOCATE PRIVATE UTILITIES IN THE CONSTRUCTION AREA PRIOR TO ANY EXCAVATION.
2. CONTRACTOR SHALL REMOVE AND/OR RELOCATE EXISTING PRIVATE UTILITIES AS NECESSARY. CONTRACTOR TO COORDINATE ACTIVITIES WITH UTILITY COMPANIES.
3. CONTRACTOR SHALL PROTECT SURFACE AND SUBSURFACE FEATURES NOT NOTED FOR REMOVAL.
4. CONTRACTOR TO CLEAR AND GRUB EXISTING VEGETATION WITHIN CONSTRUCTION LIMITS, STRIP TOPSOIL, AND STOCKPILE ON-SITE. REFER TO GRADING PLAN AND SWPPP FOR SEDIMENT AND EROSION CONTROL REQUIREMENTS.
5. GRUB AND REMOVE ALL TREES, VEGETATION AND SITE DEBRIS PRIOR TO GRADING. OWNER TO CLEAR TREES PRIOR TO REMOVAL OPERATIONS. ALL REMOVED MATERIAL SHALL BE HAULED FROM THE SITE DAILY. ALL GRUBBING AND REMOVALS SHALL BE PERFORMED PER THE CONTRACT SPECIFICATIONS. EROSION CONTROL MEASURES SHALL BE IMMEDIATELY ESTABLISHED UPON REMOVAL. SEE THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP).
6. TREE PROTECTION FENCING SHALL BE INSTALLED AT THE DRIP LINE OF TREES TO REMAIN WITH LIMITS OF DISTURBANCE PRIOR TO THE START OF CONSTRUCTION AND MAINTAINED THROUGH THE PROJECT.

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City of Bloomington

2301 EAST 86TH STREET
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MN 55425

Bloomington Fire Station #3

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ARCHITECT
WENDEL
ROBERT KRZYZANOWSKI, PROGRAM MANAGER
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NO.	REVISIONS	DATE

DWG. TITLE

REMOVAL PLAN

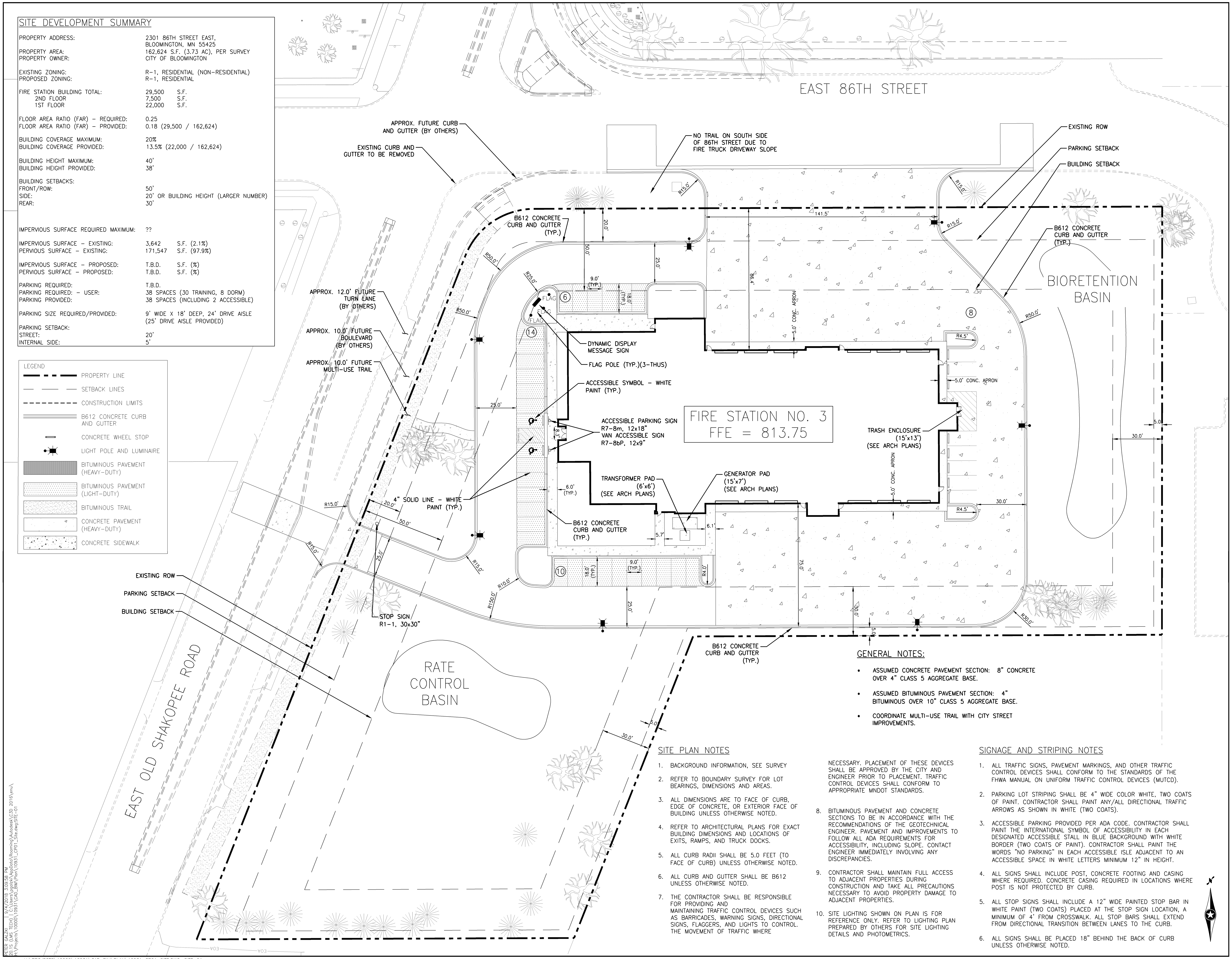
SCALE IN FEET
0 20 40

DATE 08-21-2018
SCALE
DWN. CHK.
PROJ. No. (SRF 10931.00)
DWG. No.

C1-1

SITE DEVELOPMENT SUMMARY

PROPERTY ADDRESS:	2301 86TH STREET EAST, BLOOMINGTON, MN 55425
PROPERTY AREA:	162,624 S.F. (3.73 AC), PER SURVEY
PROPERTY OWNER:	CITY OF BLOOMINGTON
EXISTING ZONING:	R-1, RESIDENTIAL (NON-RESIDENTIAL)
PROPOSED ZONING:	R-1, RESIDENTIAL
FIRE STATION BUILDING TOTAL:	29,500 S.F.
2ND FLOOR	7,500 S.F.
1ST FLOOR	22,000 S.F.
FLOOR AREA RATIO (FAR) - REQUIRED:	0.25
FLOOR AREA RATIO (FAR) - PROVIDED:	0.18 (29,500 / 162,624)
BUILDING COVERAGE MAXIMUM:	20%
BUILDING COVERAGE PROVIDED:	13.5% (22,000 / 162,624)
BUILDING HEIGHT MAXIMUM:	40'
BUILDING HEIGHT PROVIDED:	38'
BUILDING SETBACKS:	
FRONT/ROW:	50'
SIDE:	20' OR BUILDING HEIGHT (LARGER NUMBER)
REAR:	30'
IMPERVIOUS SURFACE REQUIRED MAXIMUM:	??
IMPERVIOUS SURFACE - EXISTING:	3,642 S.F. (2.1%)
PERVIOUS SURFACE - EXISTING:	171,547 S.F. (97.9%)
IMPERVIOUS SURFACE - PROPOSED:	T.B.D. S.F. (%)
PERVIOUS SURFACE - PROPOSED:	T.B.D. S.F. (%)
PARKING REQUIRED:	T.B.D.
PARKING REQUIRED: - USER:	38 SPACES (30 TRAINING, 8 DORM)
PARKING PROVIDED:	38 SPACES (INCLUDING 2 ACCESSIBLE)
PARKING SIZE REQUIRED/PROVIDED:	9' WIDE X 18' DEEP, 24' DRIVE AISLE (25' DRIVE AISLE PROVIDED)
PARKING SETBACK:	
STREET:	20'
INTERNAL SIDE:	5'



GENERAL NOTES:

- ASSUMED CONCRETE PAVEMENT SECTION: 8" CONCRETE OVER 4" CLASS 5 AGGREGATE BASE.
- ASSUMED BITUMINOUS PAVEMENT SECTION: 4" BITUMINOUS OVER 10" CLASS 5 AGGREGATE BASE.
- COORDINATE MULTI-USE TRAIL WITH CITY STREET IMPROVEMENTS.

SITE PLAN NOTES

1. BACKGROUND INFORMATION, SEE SURVEY
2. REFER TO BOUNDARY SURVEY FOR LOT BEARINGS, DIMENSIONS AND AREAS.
3. ALL DIMENSIONS ARE TO FACE OF CURB, EDGE OF CONCRETE, OR EXTERIOR FACE OF BUILDING UNLESS OTHERWISE NOTED.
4. REFER TO ARCHITECTURAL PLANS FOR EXACT BUILDING DIMENSIONS AND LOCATIONS OF EXITS, RAMPS, AND TRUCK DOCKS.
5. ALL CURB RADII SHALL BE 5.0 FEET (TO FACE OF CURB) UNLESS OTHERWISE NOTED.
6. ALL CURB AND GUTTER SHALL BE B612 UNLESS OTHERWISE NOTED.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING TRAFFIC CONTROL DEVICES SUCH AS BARRICADES, WARNING SIGNS, DIRECTIONAL SIGNS, FLAGGERS, AND LIGHTS TO CONTROL. THE MOVEMENT OF TRAFFIC WHERE NECESSARY. PLACEMENT OF THESE DEVICES SHALL BE APPROVED BY THE CITY AND ENGINEER PRIOR TO PLACEMENT. TRAFFIC CONTROL DEVICES SHALL CONFORM TO APPROPRIATE MNDOT STANDARDS.
8. BITUMINOUS PAVEMENT AND CONCRETE SECTIONS TO BE IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL ENGINEER. PAVEMENT AND IMPROVEMENTS TO FOLLOW ALL ADA REQUIREMENTS FOR ACCESSIBILITY, INCLUDING SLOPE. CONTACT ENGINEER IMMEDIATELY INVOLVING ANY DISCREPANCIES.
9. CONTRACTOR SHALL MAINTAIN FULL ACCESS TO ADJACENT PROPERTIES DURING CONSTRUCTION AND TAKE ALL PRECAUTIONS NECESSARY TO AVOID PROPERTY DAMAGE TO ADJACENT PROPERTIES.
10. SITE LIGHTING SHOWN ON PLAN IS FOR REFERENCE ONLY. REFER TO LIGHTING PLAN PREPARED BY OTHERS FOR SITE LIGHTING DETAILS AND PHOTOMETRICS.

SIGNAGE AND STRIPING NOTES

1. ALL TRAFFIC SIGNS, PAVEMENT MARKINGS, AND OTHER TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE STANDARDS OF THE FHWA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
2. PARKING LOT STRIPING SHALL BE 4" WIDE COLOR WHITE, TWO COATS OF PAINT. CONTRACTOR SHALL PAINT ANY/ALL DIRECTIONAL TRAFFIC ARROWS AS SHOWN IN WHITE (TWO COATS).
3. ACCESSIBLE PARKING PROVIDED PER ADA CODE. CONTRACTOR SHALL PAINT THE INTERNATIONAL SYMBOL OF ACCESSIBILITY IN EACH DESIGNATED ACCESSIBLE STALL IN BLUE BACKGROUND WITH WHITE BORDER (TWO COATS OF PAINT). CONTRACTOR SHALL PAINT THE WORDS "NO PARKING" IN EACH ACCESSIBLE ISLE ADJACENT TO AN ACCESSIBLE SPACE IN WHITE LETTERS MINIMUM 12" IN HEIGHT.
4. ALL SIGNS SHALL INCLUDE POST, CONCRETE FOOTING AND CASING WHERE REQUIRED. CONCRETE CASING REQUIRED IN LOCATIONS WHERE POST IS NOT PROTECTED BY CURB.
5. ALL STOP SIGNS SHALL INCLUDE A 12" WIDE PAINTED STOP BAR IN WHITE PAINT (TWO COATS) PLACED AT THE STOP SIGN LOCATION, A MINIMUM OF 4' FROM CROSSWALK. ALL STOP BARS SHALL EXTEND FROM DIRECTIONAL TRANSITION BETWEEN LANES TO THE CURB.
6. ALL SIGNS SHALL BE PLACED 18" BEHIND THE BACK OF CURB UNLESS OTHERWISE NOTED.

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NO.	REVISIONS	DATE

DWG. TITLE

SITE PLAN

0 20 40
SCALE IN FEET

DATE	08-21-2018
SCALE	
DWN.	CHK.
PROJ. No.	(SRF 10931.00)
DWG. No.	C2-0

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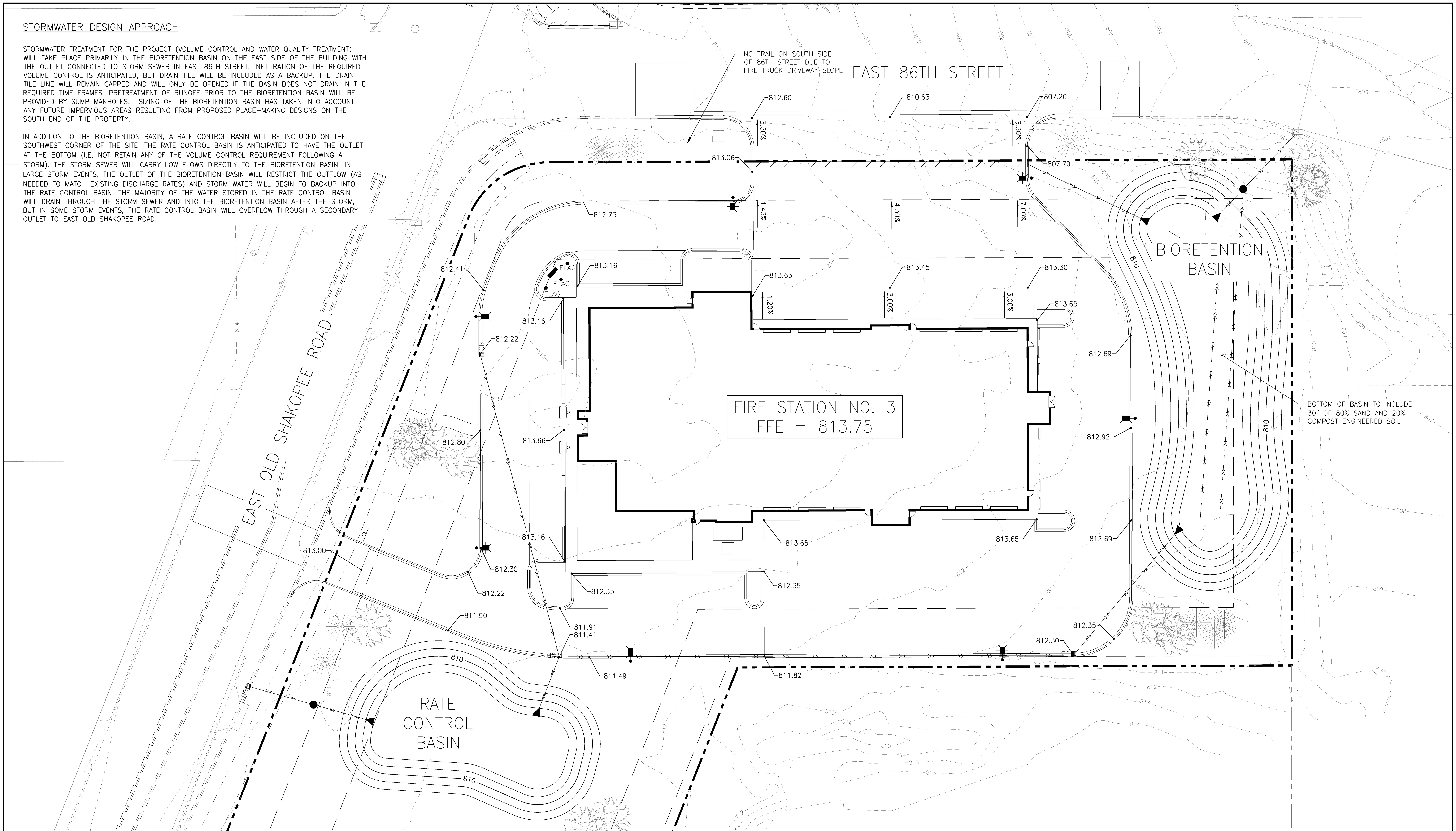
STORMWATER DESIGN APPROACH

STORMWATER TREATMENT FOR THE PROJECT (VOLUME CONTROL AND WATER QUALITY TREATMENT) WILL TAKE PLACE PRIMARILY IN THE BIORETENTION BASIN ON THE EAST SIDE OF THE BUILDING WITH THE OUTLET CONNECTED TO STORM SEWER IN EAST 86TH STREET. INFILTRATION OF THE REQUIRED VOLUME CONTROL IS ANTICIPATED, BUT DRAIN TILE WILL BE INCLUDED AS A BACKUP. THE DRAIN TILE LINE WILL REMAIN CAPPED AND WILL ONLY BE OPENED IF THE BASIN DOES NOT DRAIN IN THE REQUIRED TIME FRAMES. PRETREATMENT OF RUNOFF PRIOR TO THE BIORETENTION BASIN WILL BE PROVIDED BY SUMP MANHOLES. SIZING OF THE BIORETENTION BASIN HAS TAKEN INTO ACCOUNT ANY FUTURE IMPERVIOUS AREAS RESULTING FROM PROPOSED PLACE-MAKING DESIGNS ON THE SOUTH END OF THE PROPERTY.

IN ADDITION TO THE BIORETENTION BASIN, A RATE CONTROL BASIN WILL BE INCLUDED ON THE SOUTHWEST CORNER OF THE SITE. THE RATE CONTROL BASIN IS ANTICIPATED TO HAVE THE OUTLET AT THE BOTTOM (I.E. NOT RETAIN ANY OF THE VOLUME CONTROL REQUIREMENT FOLLOWING A STORM). THE STORM SEWER WILL CARRY LOW FLOWS DIRECTLY TO THE BIORETENTION BASIN. IN LARGE STORM EVENTS, THE OUTLET OF THE BIORETENTION BASIN WILL RESTRICT THE OUTFLOW (AS NEEDED TO MATCH EXISTING DISCHARGE RATES) AND STORM WATER WILL BEGIN TO BACKUP INTO THE RATE CONTROL BASIN. THE MAJORITY OF THE WATER STORED IN THE RATE CONTROL BASIN WILL DRAIN THROUGH THE STORM SEWER AND INTO THE BIORETENTION BASIN AFTER THE STORM, BUT IN SOME STORM EVENTS, THE RATE CONTROL BASIN WILL OVERFLOW THROUGH A SECONDARY OUTLET TO EAST OLD SHAKOPEE ROAD.



GRADING, DRAINAGE AND EROSION CONTROL NOTES

1. SPOT ELEVATIONS REPRESENT FINISHED SURFACE GRADES, GUTTER/FLOW LINE, FACE OF BUILDING, OR EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
2. CATCH BASINS AND MANHOLES IN PAVED AREAS SHALL BE SUMPED 0.04 FEET. ALL CATCH BASINS IN GUTTERS SHALL BE SUMPED 0.16 FEET. RIM ELEVATIONS SHOWN ON PLANS DO NOT REFLECT SUMPED ELEVATIONS.
3. ALL DISTURBED UNPAVED AREAS ARE TO RECEIVE MINIMUM OF 6 INCHES OF TOP SOIL AND SEED/MULCH OR SOD. THESE AREAS SHALL BE WATERED/MAINTAINED BY THE CONTRACTOR UNTIL VEGETATION IS ESTABLISHED.
4. FOR SITE RETAINING WALLS "TW EQUALS SURFACE GRADE AT TOP FACE OF WALL (NOT TOP OF WALL), "GW EQUALS SURFACE GRADE AT WALL GRADE TRANSITION, AND "BW" EQUALS SURFACE GRADE AT BOTTOM FACE OF WALL (NOT BOTTOM OF BURIED WALL COURSES).
5. STREETS MUST BE CLEANED AND SWEPT WHENEVER TRACKING OF SEDIMENTS OCCURS AND BEFORE SITES ARE LEFT IDLE FOR WEEKENDS AND HOLIDAYS. A REGULAR SWEEPING SCHEDULE MUST BE ESTABLISHED.
6. DUST MUST BE ADEQUATELY CONTROLLED.
7. ALL SLOPES 1:3 OR GREATER TO RECEIVE EROSION CONTROL: MAINTAIN SHEET FLOW AND MINIMIZE RILLS AND/OR GULLIES.
8. ALL STORM DRAINS AND INLETS MUST BE PROTECTED UNTIL ALL SOURCES OF POTENTIAL DISCHARGE ARE STABILIZED.
9. TEMPORARY SOIL STOCKPILES MUST HAVE EFFECTIVE SEDIMENT CONTROL AND CAN NOT BE PLACED IN SURFACE WATERS OR STORM WATER CONVEYANCE SYSTEMS. TEMPORARY STOCKPILES WITHOUT SIGNIFICANT AMOUNT OF SILT, CLAY, OR ORGANIC COMPOUNDS ARE EXEMPT EX: CLEAN AGGREGATE STOCK PILES, DEMOLITION CONCRETE STOCKPILES, SAND STOCKPILES.
10. FINAL STABILIZATION REQUIRES THAT ALL SOIL DISTURBING ACVTIVITIES HAVE BEEN COMPLETED AND THAT DISTURBED AREAS ARE STABILIZED BY A UNIFORM PERENNIAL VEGETATIVE COVER WITH 70% OF THE EXPECTED FINAL DENSITY, AND THAT ALL PERMANENT PAVEMENTS HAVE BEEN INSTALLED. ALL TEMPORARY BMP'S SHALL BE REMOVED, DITCHES STABILIZED, AND SEDIMENT SHALL BE REMOVED FROM PERMANENT CONVEYANCES AND SEDIMENTATION BASINS IN ORDER TO RETURN THE POND TO DESIGN CAPACITY.
11. THE WATERSHED DISTRICT OR THE CITY MAY HAVE REQUIREMENTS FOR INSPECTIONS VERIFYING PROPER CONSTRUCTION OF THE BMPS – THE MORE RESTRICTIVE REQUIREMENT SHALL APPLY.
12. SEE SWPPP NOTES AND DETAILS FOR ADDITIONAL EROSION CONTROL NOTES AND REQUIREMENTS.
13. SEE UTILITY PLAN FOR STORM SEWER INFORMATION.
14. THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS UTILITY QUALITY LEVEL D. THIS QUALITY LEVEL WAS DETERMINED

    ACCORDING TO THE GUIDELINES OF CI/ASCE 38-2, ENTITLED "STANDARD GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA."
15. REFER TO THE RECOMMENDATIONS IN THE GEOTECHNICAL REPORT FOR ANY ADDITIONAL SITE PREPARATION INFORMATION OR REQUIREMENTS.
16. IF GROUND WATER IS PRESENT IN THE EXCAVATION, OR IF THE EXPOSED SOILS ARE WET AND UNSTABLE, CONTACT THE OWNER OR ENGINEER FOR A RECOMMENDATION FROM THE GEOTECHNICAL ENGINEER.
17. CONTRACTOR SHALL INSTALL ALL EROSION CONTROL MEASURES PRIOR TO COMMENCING GRADING ACTIVITIES AND SHALL MAINTAIN SAID MEASURES FOR DURATION OF CONSTRUCTION ACTIVITIES. UPON ESTABLISHMENT OF TURF, THE CONTRACTOR SHALL REMOVE THE EROSION CONTROL MEASURE AND DISPOSE OF OFF SITE.
18. CONTRACTOR TO PREVENT DIRT AND/OR DEBRIS FROM ENTERING STORM SEWER OR BEING TRANSPORTED OFF SITE IN AN UNCONTROLLED MANOR. CONTRACTOR TO VERIFY AT PROJECT CLOSEOUT THAT STORM SEWER SYSTEM IS CLEAR OF SEDIMENT AND/OR DEBRIS AND IS FULLY FUNCTIONAL.
19. CONTRACTOR SHALL INSPECT ALL EROSION CONTROL MEASURES AFTER EVERY RAINFALL EVENT AND/OR EVERY 7 DAYS.
20. ALL DISTURBED NON-PAVED AREAS SHALL RECEIVE TEMPORARY PROTECTION OR PERMANENT COVER WITHIN 14 DAYS OF DISTURBANCE OPERATIONS.
21. WHEN TRAPPED SEDIMENT REACHES 1/3 OF THE HEIGHT OF SILT FENCE, IT SHALL BE REMOVED AND PROPERLY DISPOSED OF BY THE CONTRACTOR.
22. CATCH BASIN SEDIMENT FILTER SACKS SHALL BE CLEANED WHEN SEDIMENT REACHES 1/3 THE CAPACITY OF THE SACK.
23. WHEN SEDIMENT IS TRACKED ON TO PAVED SURFACES, IT SHALL BE REMOVED WITHIN 24 HOURS OF DISCOVERY.
24. ANY SEDIMENT FROM THE CONSTRUCTION SITE THAT ACCUMULATES ON OR OFF THE OWNER'S PROPERTY SHALL BE REMOVED BY THE CONTRACTOR AT HIS/HER EXPENSE. ANY DAMAGE THAT OCCURS FROM THE ACCUMULATED SEDIMENT OR FROM THE CONTRACTOR'S REMOVAL OF THE SEDIMENT, SHALL BE REPAIRED BY THE CONTRACTOR AT HIS/HER EXPENSE.
25. ALL EXCAVATIONS MUST COMPLY WITH THE REQUIREMENTS OF OSHA 29 CFR, PART 1926, SUBPART P, "EXCAVATIONS AND TRENCHES." THIS DOCUMENT STATES THAT EXCAVATION SAFETY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
26. THE CONTRACTOR MUST COMPLY WITH THE REQUIREMENTS OF THE PROJECT SPECIFIC STORM WATER POLLUTION PREVENTION PLAN.
27. SPOT ELEVATIONS SHOWN ON PROPOSED CURB LINE ARE TO GUTTER FLOWLINE.

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GRADING, DRAINAGE AND EROSION CONTROL PLAN

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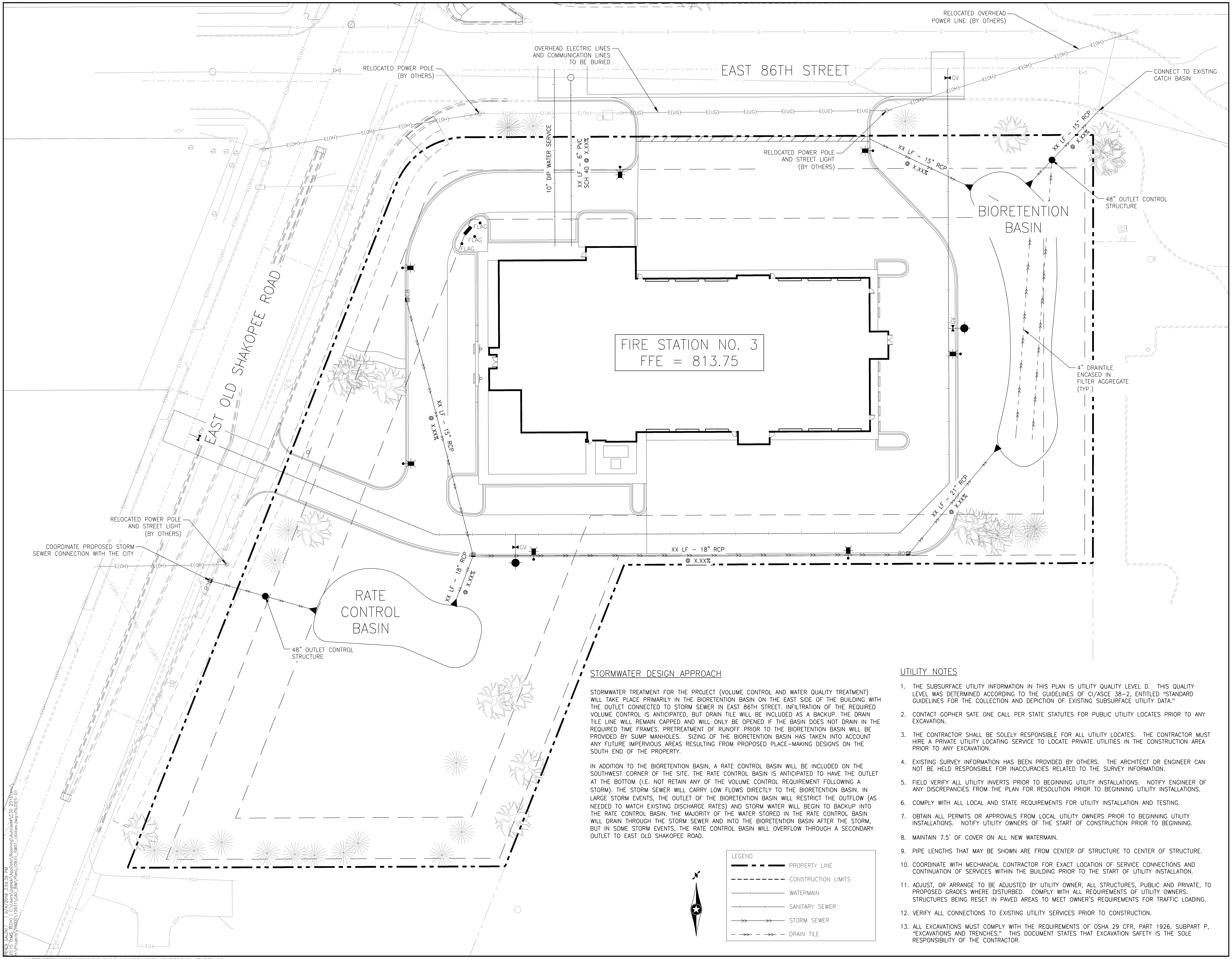

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UTILITY NOTES

1. THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS UTILITY QUALITY LEVEL D. THIS QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES OF CI/ASCE 38-2, ENTITLED "STANDARD GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA."
2. CONTACT GOPHER SATE ONE CALL PER STATE STATUTES FOR PUBLIC UTILITY LOCATES PRIOR TO ANY EXCAVATION.
3. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL UTILITY LOCATES. THE CONTRACTOR MUST HIRE A PRIVATE UTILITY LOCATING SERVICE TO LOCATE PRIVATE UTILITIES IN THE CONSTRUCTION AREA PRIOR TO ANY EXCAVATION.
4. EXISTING SURVEY INFORMATION HAS BEEN PROVIDED BY OTHERS. THE ARCHITECT OR ENGINEER CAN NOT BE HELD RESPONSIBLE FOR INACCURACIES RELATED TO THE SURVEY INFORMATION.
5. FIELD VERIFY ALL UTILITY INVERTS PRIOR TO BEGINNING UTILITY INSTALLATIONS. NOTIFY ENGINEER OF ANY DISCREPANCIES FROM THE PLAN FOR RESOLUTION PRIOR TO BEGINNING UTILITY INSTALLATIONS.
6. COMPLY WITH ALL LOCAL AND STATE REQUIREMENTS FOR UTILITY INSTALLATION AND TESTING.
7. OBTAIN ALL PERMITS OR APPROVALS FROM LOCAL UTILITY OWNERS PRIOR TO BEGINNING UTILITY INSTALLATIONS. NOTIFY UTILITY OWNERS OF THE START OF CONSTRUCTION PRIOR TO BEGINNING.
8. MAINTAIN 7.5' OF COVER ON ALL NEW WATERMAIN.
9. PIPE LENGTHS THAT MAY BE SHOWN ARE FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE.
10. COORDINATE WITH MECHANICAL CONTRACTOR FOR EXACT LOCATION OF SERVICE CONNECTIONS AND CONTINUATION OF SERVICES WITHIN THE BUILDING PRIOR TO THE START OF UTILITY INSTALLATION.
11. ADJUST, OR ARRANGE TO BE ADJUSTED BY UTILITY OWNER, ALL STRUCTURES, PUBLIC AND PRIVATE, TO PROPOSED GRADES WHERE DISTURBED. COMPLY WITH ALL REQUIREMENTS OF UTILITY OWNERS. STRUCTURES BEING RESET IN PAVED AREAS TO MEET OWNER'S REQUIREMENTS FOR TRAFFIC LOADING.
12. VERIFY ALL CONNECTIONS TO EXISTING UTILITY SERVICES PRIOR TO CONSTRUCTION.
13. ALL EXCAVATIONS MUST COMPLY WITH THE REQUIREMENTS OF OSHA 29 CFR, PART 1926, SUBPART P, "EXCAVATIONS AND TRENCHES." THIS DOCUMENT STATES THAT EXCAVATION SAFETY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

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UTILITY PLAN

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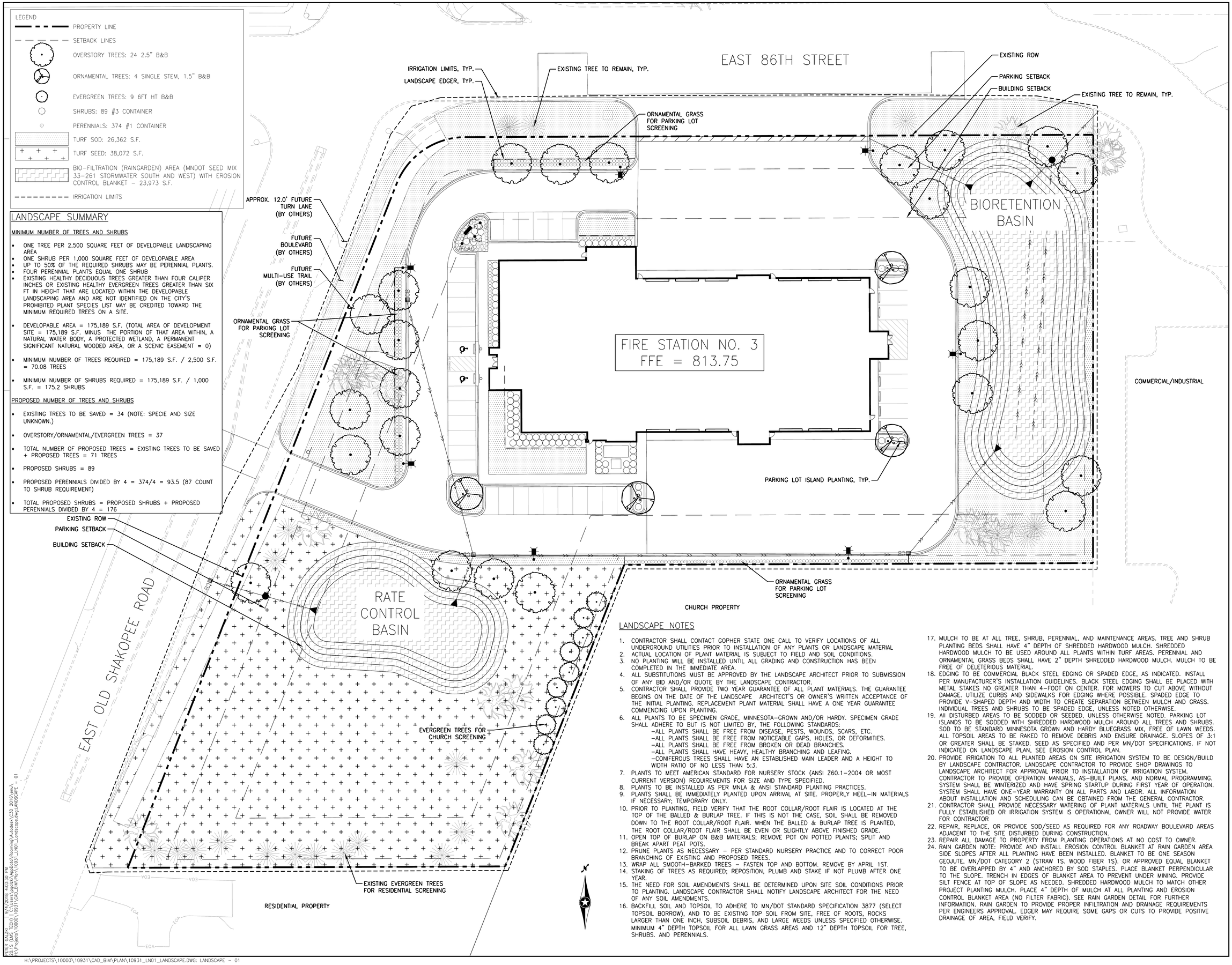
CASE PL2018-305



LANDSCAPE NOTES

1. CONTRACTOR SHALL CONTACT GOPHER STATE ONE CALL TO VERIFY LOCATIONS OF ALL UNDERGROUND UTILITIES PRIOR TO INSTALLATION OF ANY PLANTS OR LANDSCAPE MATERIAL
2. ACTUAL LOCATION OF PLANT MATERIAL IS SUBJECT TO FIELD AND SOIL CONDITIONS.
3. NO PLANTING WILL BE INSTALLED UNTIL ALL GRADING AND CONSTRUCTION HAS BEEN COMPLETED IN THE IMMEDIATE AREA.
4. ALL SUBSTITUTIONS MUST BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO SUBMISSION OF ANY BID AND/OR QUOTE BY THE LANDSCAPE CONTRACTOR.
5. CONTRACTOR SHALL PROVIDE TWO YEAR GUARANTEE OF ALL PLANT MATERIALS. THE GUARANTEE BEGINS ON THE DATE OF THE LANDSCAPE ARCHITECT'S OR OWNER'S WRITTEN ACCEPTANCE OF THE INITIAL PLANTING. REPLACEMENT PLANT MATERIAL SHALL HAVE A ONE YEAR GUARANTEE COMMENCING UPON PLANTING.
6. ALL PLANTS TO BE SPECIMEN GRADE, MINNESOTA-GROWN AND/OR HARDY. SPECIMEN GRADE SHALL ADHERE TO BUT IS NOT LIMITED BY, THE FOLLOWING STANDARDS:
   - -ALL PLANTS SHALL BE FREE FROM DISEASE, PESTS, WOUNDS, SCARS, ETC.
   - -ALL PLANTS SHALL BE FREE FROM NOTICEABLE GAPS, HOLES, OR DEFORMITIES.
   - -ALL PLANTS SHALL BE FREE FROM BROKEN OR DEAD BRANCHES.
   - -ALL PLANTS SHALL HAVE HEAVY, HEALTHY BRANCHING AND LEAFING.
   - -CONIFEROUS TREES SHALL HAVE AN ESTABLISHED MAIN LEADER AND A HEIGHT TO WIDTH RATIO OF NO LESS THAN 5:3.
7. PLANTS TO MEET AMERICAN STANDARD FOR NURSERY STOCK (ANSI Z60.1-2004 OR MOST CURRENT VERSION) REQUIREMENTS FOR SIZE AND TYPE SPECIFIED.
8. PLANTS TO BE INSTALLED AS PER MNLA & ANSI STANDARD PLANTING PRACTICES.
9. PLANTS SHALL BE IMMEDIATELY PLANTED UPON ARRIVAL AT SITE. PROPERLY HEEL-IN MATERIALS IF NECESSARY; TEMPORARY ONLY.
10. PRIOR TO PLANTING, FIELD VERIFY THAT THE ROOT COLLAR/ROOT FLAIR IS LOCATED AT THE TOP OF THE BALLED & BURLAP TREE. IF THIS IS NOT THE CASE, SOIL SHALL BE REMOVED DOWN TO THE ROOT COLLAR/ROOT FLAIR. WHEN THE BALLED & BURLAP TREE IS PLANTED, THE ROOT COLLAR/ROOT FLAIR SHALL BE EVEN OR SLIGHTLY ABOVE FINISHED GRADE.
11. OPEN TOP OF BURLAP ON B&B MATERIALS; REMOVE POT ON POTTED PLANTS; SPLIT AND BREAK APART PEAT POTS.
12. PRUNE PLANTS AS NECESSARY - PER STANDARD NURSERY PRACTICE AND TO CORRECT POOR BRANCHING OF EXISTING AND PROPOSED TREES.
13. WRAP ALL SMOOTH-BARKED TREES - FASTEN TOP AND BOTTOM. REMOVE BY APRIL 1ST.
14. STAKING OF TREES AS REQUIRED; REPOSITION, PLUMB AND STAKE IF NOT PLUMB AFTER ONE YEAR.
15. THE NEED FOR SOIL AMENDMENTS SHALL BE DETERMINED UPON SITE SOIL CONDITIONS PRIOR TO PLANTING. LANDSCAPE CONTRACTOR SHALL NOTIFY LANDSCAPE ARCHITECT FOR THE NEED OF ANY SOIL AMENDMENTS.
16. BACKFILL SOIL AND TOPSOIL TO ADHERE TO MN/DOT STANDARD SPECIFICATION 3877 (SELECT TOPSOIL BORROW), AND TO BE EXISTING TOP SOIL FROM SITE, FREE OF ROOTS, ROCKS LARGER THAN ONE INCH, SUBSOIL DEBRIS, AND LARGE WEEDS UNLESS SPECIFIED OTHERWISE. MINIMUM 4" DEPTH TOPSOIL FOR ALL LAWN GRASS AREAS AND 12" DEPTH TOPSOIL FOR TREE, SHRUBS, AND PERENNIALS.
17. MULCH TO BE AT ALL TREE, SHRUB, PERENNIAL, AND MAINTENANCE AREAS. TREE AND SHRUB PLANTING BEDS SHALL HAVE 4" DEPTH OF SHREDDED HARDWOOD MULCH. SHREDDED HARDWOOD MULCH TO BE USED AROUND ALL PLANTS WITHIN TURF AREAS. PERENNIAL AND ORNAMENTAL GRASS BEDS SHALL HAVE 2" DEPTH SHREDDED HARDWOOD MULCH. MULCH TO BE FREE OF DELETERIOUS MATERIAL.
18. EDGING TO BE COMMERCIAL BLACK STEEL EDGING OR SPADED EDGE, AS INDICATED. INSTALL PER MANUFACTURER'S INSTALLATION GUIDELINES. BLACK STEEL EDGING SHALL BE PLACED WITH METAL STAKES NO GREATER THAN 4-FOOT ON CENTER. FOR MOWERS TO CUT ABOVE WITHOUT DAMAGE. UTILIZE CURBS AND SIDEWALKS FOR EDGING WHERE POSSIBLE. SPADED EDGE TO PROVIDE V-SHAPED DEPTH AND WIDTH TO CREATE SEPARATION BETWEEN MULCH AND GRASS. INDIVIDUAL TREES AND SHRUBS TO BE SPADED EDGE, UNLESS NOTED OTHERWISE.
19. All DISTURBED AREAS TO BE SODDED OR SEEDED, UNLESS OTHERWISE NOTED. PARKING LOT ISLANDS TO BE SODDED WITH SHREDDED HARDWOOD MULCH AROUND ALL TREES AND SHRUBS. SOD TO BE STANDARD MINNESOTA GROWN AND HARDY BLUEGRASS MIX, FREE OF LAWN WEEDS. ALL TOPSOIL AREAS TO BE RAKED TO REMOVE DEBRIS AND ENSURE DRAINAGE. SLOPES OF 3:1 OR GREATER SHALL BE STAKED. SEED AS SPECIFIED AND PER MN/DOT SPECIFICATIONS. IF NOT INDICATED ON LANDSCAPE PLAN, SEE EROSION CONTROL PLAN.
20. PROVIDE IRRIGATION TO ALL PLANTED AREAS ON SITE IRRIGATION SYSTEM TO BE DESIGN/BUILD BY LANDSCAPE CONTRACTOR. LANDSCAPE CONTRACTOR TO PROVIDE SHOP DRAWINGS TO LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO INSTALLATION OF IRRIGATION SYSTEM. CONTRACTOR TO PROVIDE OPERATION MANUALS, AS-BUILT PLANS, AND NORMAL PROGRAMMING. SYSTEM SHALL BE WINTERIZED AND HAVE SPRING STARTUP DURING FIRST YEAR OF OPERATION. SYSTEM SHALL HAVE ONE-YEAR WARRANTY ON ALL PARTS AND LABOR. ALL INFORMATION ABOUT INSTALLATION AND SCHEDULING CAN BE OBTAINED FROM THE GENERAL CONTRACTOR.
21. CONTRACTOR SHALL PROVIDE NECESSARY WATERING OF PLANT MATERIALS UNTIL THE PLANT IS FULLY ESTABLISHED OR IRRIGATION SYSTEM IS OPERATIONAL OWNER WILL NOT PROVIDE WATER FOR CONTRACTOR
22. REPAIR, REPLACE, OR PROVIDE SOD/SEED AS REQUIRED FOR ANY ROADWAY BOULEVARD AREAS ADJACENT TO THE SITE DISTURBED DURING CONSTRUCTION.
23. REPAIR ALL DAMAGE TO PROPERTY FROM PLANTING OPERATIONS AT NO COST TO OWNER.
24. RAIN GARDEN NOTE: PROVIDE AND INSTALL EROSION CONTROL BLANKET AT RAIN GARDEN AREA SIDE SLOPES AFTER ALL PLANTING HAVE BEEN INSTALLED. BLANKET TO BE ONE SEASON GEOJUTE, MN/DOT CATEGORY 2 (STRAW 1S. WOOD FIBER 1S). OR APPROVED EQUAL BLANKET TO BE OVERLAPPED BY 4" AND ANCHORED BY SOD STAPLES. PLACE BLANKET PERPENDICULAR TO THE SLOPE. TRENCH IN EDGES OF BLANKET AREA TO PREVENT UNDER MINING. PROVIDE SILT FENCE AT TOP OF SLOPE AS NEEDED. SHREDDED HARDWOOD MULCH TO MATCH OTHER PROJECT PLANTING MULCH. PLACE 4" DEPTH OF MULCH AT ALL PLANTING AND EROSION CONTROL BLANKET AREA (NO FILTER FABRIC). SEE RAIN GARDEN DETAIL FOR FURTHER INFORMATION. RAIN GARDEN TO PROVIDE PROPER INFILTRATION AND DRAINAGE REQUIREMENTS PER ENGINEERS APPROVAL. EDGER MAY REQUIRE SOME GAPS OR CUTS TO PROVIDE POSITIVE DRAINAGE OF AREA, FIELD VERIFY.

City of Bloomington

2301 EAST 86TH STREET
BLOOMINGTON,
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Bloomington Fire Station #3

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WWW.SRFCONSULTING.COM

NO.	REVISIONS	DATE

DWG. TITLE

LANDSCAPE PLAN

0 20 40
SCALE IN FEET

DATE	08-21-2018
SCALE	
DWN.	CHK.
PROJ. No.	(SRF 10931.00)
DWG. No.	L1-0

PETER GALZKI | 9/4/2018 4:03:30 PM
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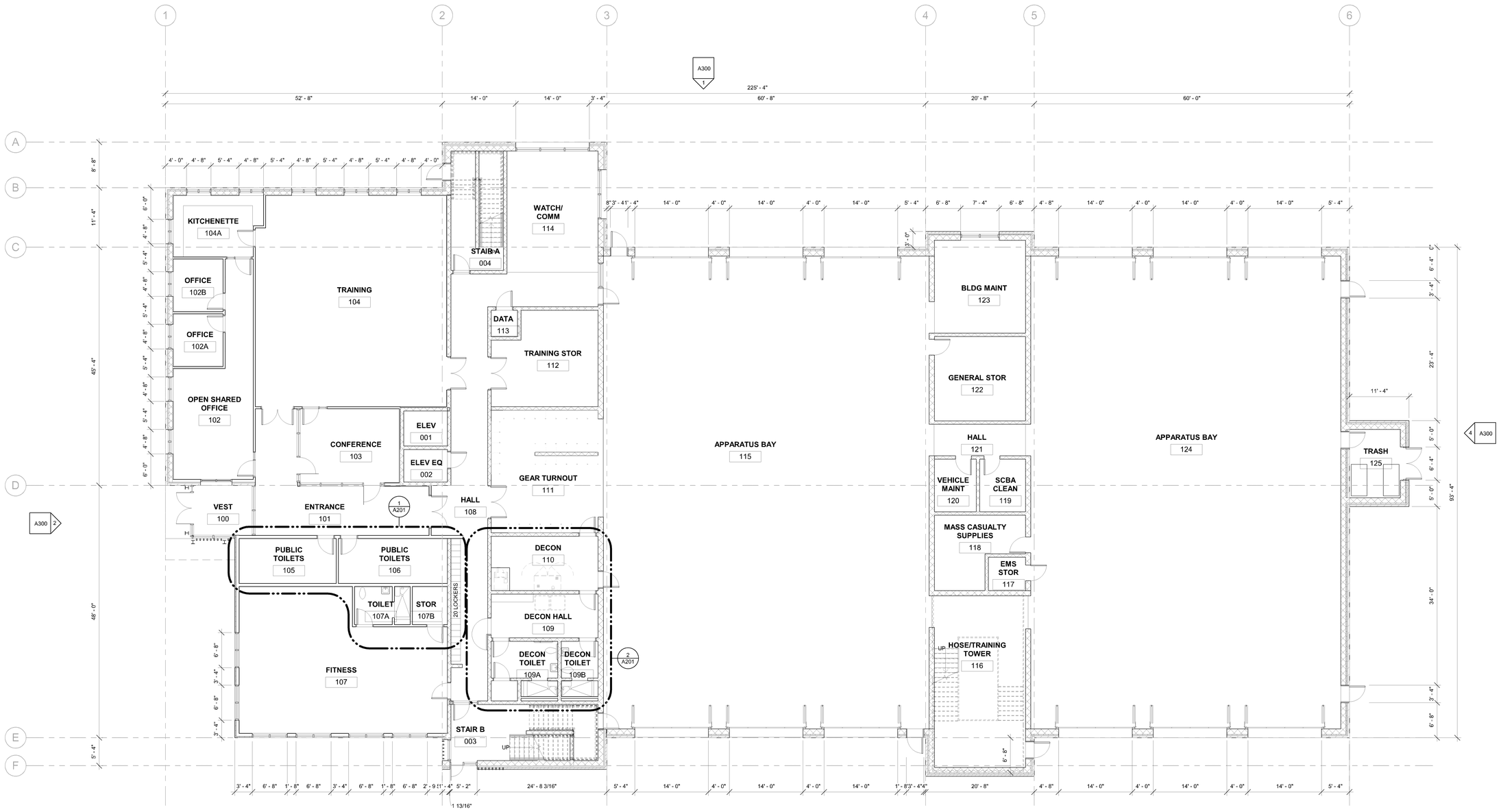
CASE PL2018-305



1 FIRST FLOOR PLAN
SCALE: 1/8" = 1'-0"

BUILDING SQUARE FOOTAGE	
FIRST FLOOR	22,000 SF
SECOND FLOOR	7,800 SF
TOTAL AREA	29,800 SF

CITY OF BLOOMINGTON MINNESOTA

THE CITY OF BLOOMINGTON, MINNESOTA
2301 EAST 86th STREET
BLOOMINGTON, MN 55425

BLOOMINGTON FIRE STATION NO. 3

DD

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Wendel WD Architecture, Engineering, Surveying and Landscape Architecture, P.C.

Five Bugles Design

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the State of Minnesota.

Architect _____

Date _____ Reg. No. _____

NO.	REVISIONS	DATE

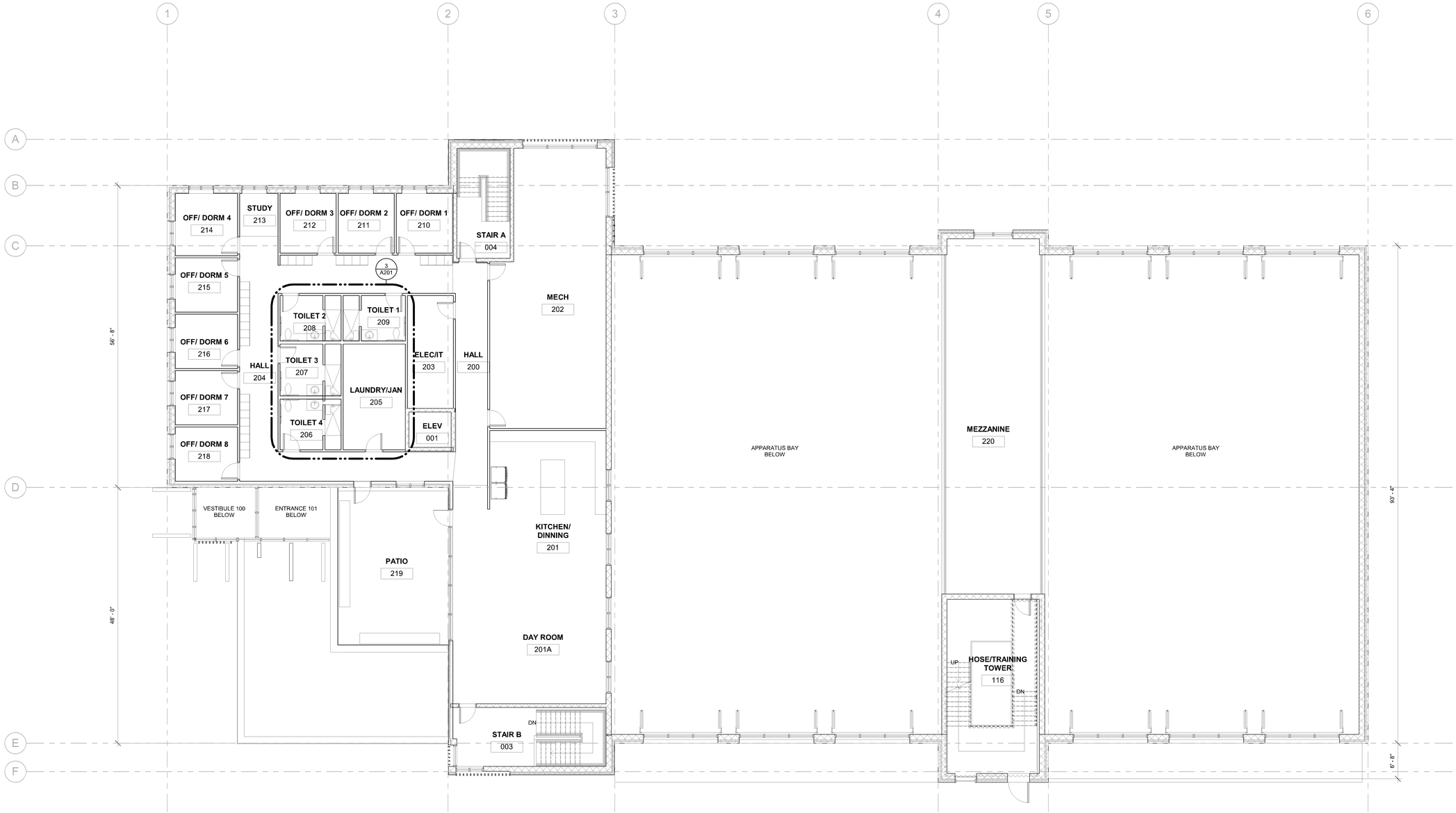
DWG. TITLE

FIRST FLOOR PLAN

0 1" 2"
GENERIC SCALE BAR
SCALE BAR SHOWN IS TWO INCHES ON THE ORIGINAL DRAWING. IF NOT TWO INCHES ON THIS SHEET, ADJUST ACCORDINGLY.

DATE	08.06.2018		
SCALE	1/8" = 1'-0"		
DWN.	Author	CHK.	Checker
PROJ. No.	484401	CLIENT. No.	2017-56
DWG. No.			

A101



1 SECOND FLOOR PLAN
SCALE: 1/8" = 1'-0"

BUILDING SQUARE FOOTAGE	
FIRST FLOOR	22,000 SF
SECOND FLOOR	7,800 SF
TOTAL AREA	29,800 SF

CITY OF
BLOOMINGTON
MINNESOTA

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Architect _____

Date _____ Reg. No. _____

NO.	REVISIONS	DATE

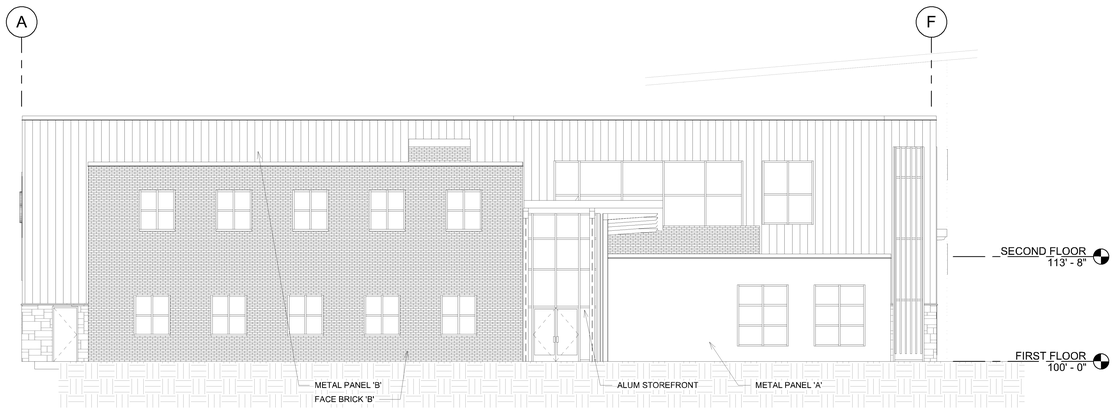
DWG. TITLE
SECOND FLOOR PLAN

0 1" 2"
GENERIC SCALE BAR
SCALE BAR SHOWN IS TWO INCHES ON THE ORIGINAL DRAWING. IF NOT TWO INCHES ON THIS SHEET, ADJUST ACCORDINGLY.

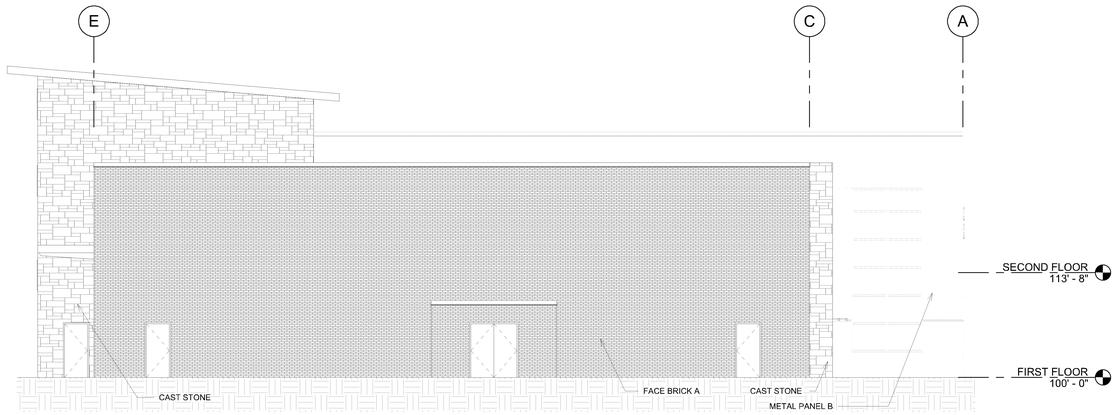
DATE	08.06.2018		
SCALE	1/8" = 1'-0"		
DWN.	Author	CHK.	Checker
PROJ. No.	484401	CLIENT. No.	2017-56
DWG. No.			

A102

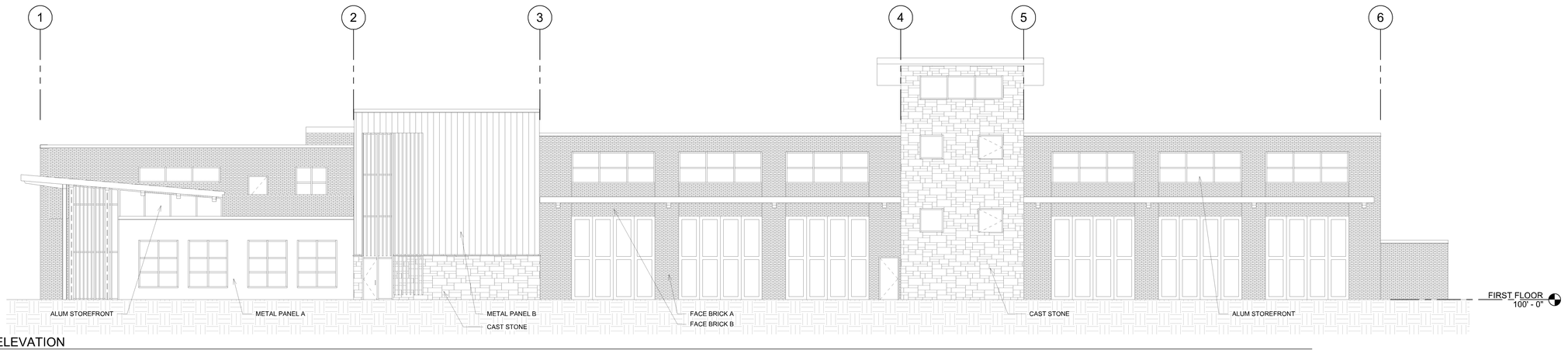
1 NORTH ELEVATION
SCALE: 1/8" = 1'-0"



2 WEST ELEVATION
SCALE: 1/8" = 1'-0"



4 EAST ELEVATION
SCALE: 1/8" = 1'-0"



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

WINDOW SURFACE AREA

OPAQUE SURFACE:	26,768 SF
TRANSPARENT SURFACE:	5,082 SF
% TRANSPARENCY:	19 %

FACADE MATERIAL SURFACE AREA

METAL PANEL:	14,503 SF	54.2 %
ALUMINUM INFILL PANEL:	288 SF	1 %
FACE BRICK:	9,148 SF	34.2 %
CAST STONE:	2,829 SF	10.6 %

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Architect _____

Date _____ Reg. No. _____

NO.	REVISIONS	DATE

DWG. TITLE

EXTERIOR BUILDING ELEVATIONS

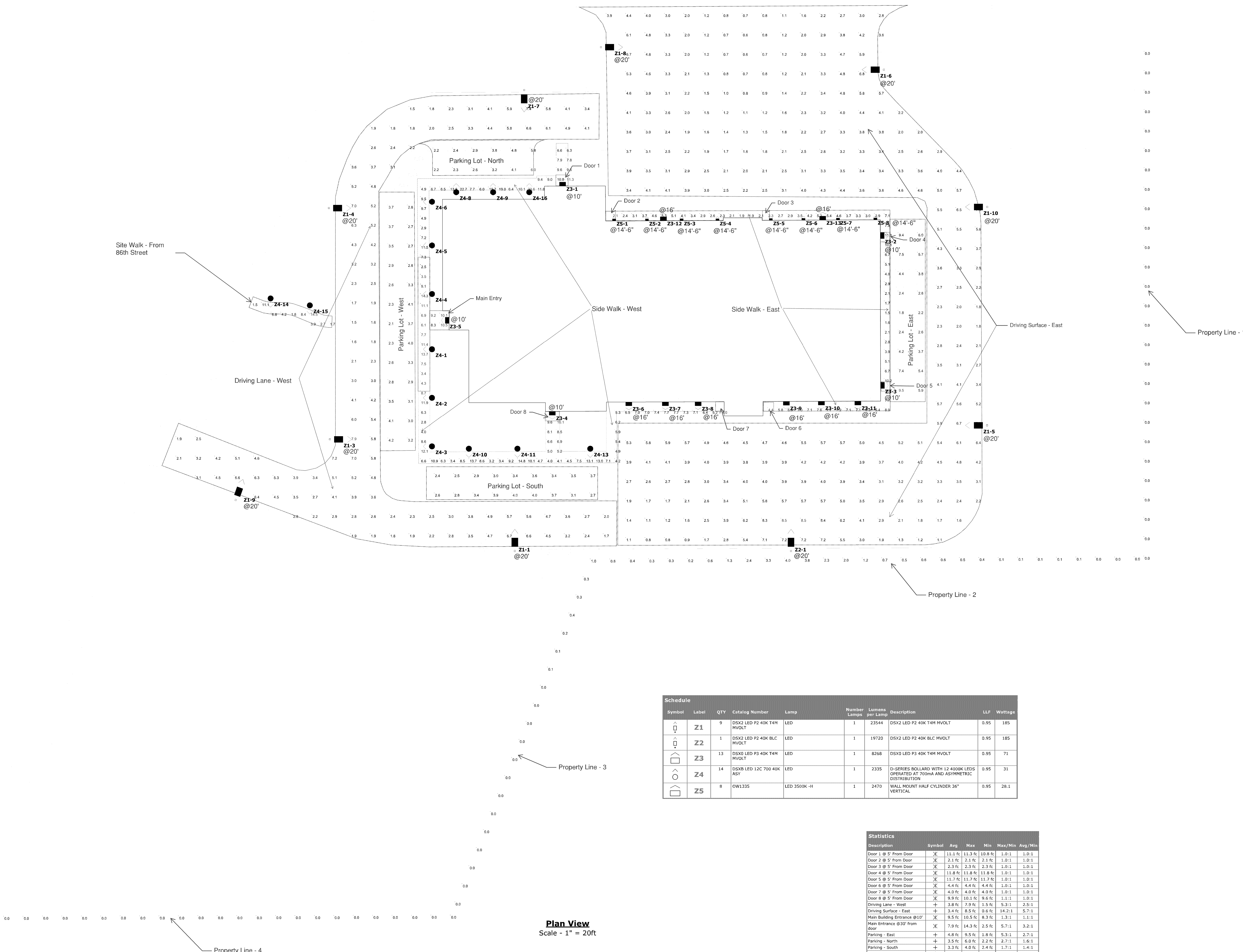
0 1" 2"
GENERIC SCALE BAR
SCALE BAR SHOWN IS TWO INCHES ON THE ORIGINAL DRAWING. IF NOT TWO INCHES ON THIS SHEET, ADJUST ACCORDINGLY

DATE	08.06.2018
SCALE	1/8" = 1'-0"
DWN.	Author
CHK.	Checker
PROJ. No.	484401
CLIENT. No.	2017-56
DWG. No.	

A300

VISUAL

MEP



Schedule

Symbol	Label	QTY	Catalog Number	Lamp	Number Lamps	Lumens per Lamp	Description	LLF	Wattage
	Z1	9	DSX2 LED P2 40K T4M MVOLT	LED	1	23544	DSX2 LED P2 40K T4M MVOLT	0.95	185
	Z2	1	DSX2 LED P2 40K BLC MVOLT	LED	1	19720	DSX2 LED P2 40K BLC MVOLT	0.95	185
	Z3	13	DSX0 LED P3 40K T4M MVOLT	LED	1	8268	DSX0 LED P3 40K T4M MVOLT	0.95	71
	Z4	14	DSXB LED 12C 700 40K ASY	LED	1	2335	D-SERIES BOLLARD WITH 12 4000K LEDS OPERATED AT 700mA AND ASYMMETRIC DISTRIBUTION	0.95	31
	Z5	8	OW1335	LED 3500K -H	1	2470	WALL MOUNT HALF CYLINDER 36" VERTICAL	0.95	28.1

Statistics

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Door 1 @ 5' From Door	✳	11.1 fc	11.3 fc	10.8 fc	1.0:1	1.0:1
Door 2 @ 5' from Door	✳	2.1 fc	2.1 fc	2.1 fc	1.0:1	1.0:1
Door 3 @ 5' From Door	✳	2.3 fc	2.3 fc	2.3 fc	1.0:1	1.0:1
Door 4 @ 5' From Door	✳	11.8 fc	11.8 fc	11.8 fc	1.0:1	1.0:1
Door 5 @ 5' From Door	✳	11.7 fc	11.7 fc	11.7 fc	1.0:1	1.0:1
Door 6 @ 5' From Door	✳	4.4 fc	4.4 fc	4.4 fc	1.0:1	1.0:1
Door 7 @ 5' From Door	✳	4.0 fc	4.0 fc	4.0 fc	1.0:1	1.0:1
Door 8 @ 5' From Door	✳	9.9 fc	10.1 fc	9.6 fc	1.1:1	1.0:1
Driving Lane - West	+	3.8 fc	7.9 fc	1.5 fc	5.3:1	2.5:1
Driving Surface - East	+	3.4 fc	8.5 fc	0.6 fc	14.2:1	5.7:1
Main Building Entrance @10'	✳	9.5 fc	10.5 fc	8.3 fc	1.3:1	1.1:1
Main Entrance @30' from door	✳	7.9 fc	14.3 fc	2.5 fc	5.7:1	3.2:1
Parking - East	+	4.8 fc	9.5 fc	1.8 fc	5.3:1	2.7:1
Parking - North	+	3.5 fc	6.0 fc	2.2 fc	2.7:1	1.6:1
Parking - South	+	3.3 fc	4.0 fc	2.4 fc	1.7:1	1.4:1
Parking - West	+	3.1 fc	4.2 fc	2.1 fc	2.0:1	1.5:1
Property Line - 1	+	0.0 fc	0.0 fc	0.0 fc	N/A	N/A
Property Line - 2	+	0.9 fc	4.0 fc	0.0 fc	N/A	N/A
Property Line - 3	+	0.1 fc	1.0 fc	0.0 fc	N/A	N/A
Property Line - 4	+	0.0 fc	0.0 fc	0.0 fc	N/A	N/A
Side Walk - East	+	4.8 fc	11.8 fc	1.5 fc	7.9:1	3.2:1
Side Walk - From 86th Street	+	5.7 fc	14.5 fc	1.5 fc	9.7:1	3.8:1
Side Walks - West	+	8.2 fc	23.6 fc	2.5 fc	9.4:1	3.3:1

Plan View

Scale - 1" = 20ft

Designer

Date
8/28/2018
Scale
Not to Scale
Drawing No.

Summary

CASE PL2018-305

D-Series Size 2
LED Area Luminaire

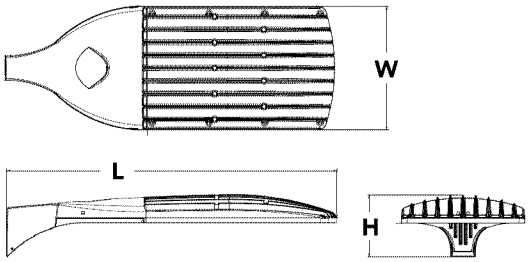
Catalog Number

Notes

Type

Specifications

EPA:	1.1 ft² (0.10 m²)
Length:	40" (101.6 cm)
Width:	15" (38.1 cm)
Height:	7-1/4" (18.4 cm)
Weight (max):	36 lbs (16.3 kg)



A+ Capable options indicated by this color background.

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 background[1]

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

Ordering Information

EXAMPLE: DSX2 LED P7 T3M MVOLT SPA DDBXD

DSX2 LED

Series	LEDs	Color temperature	Distribution	Voltage	Mounting
DSX2 LED	**Forward optics** P1 P5 P2 P6 P3 P7 P4 P8 **Rotated optics**[1] P10 P13 P11 P14 P12	30K 3000 K 40K 4000 K 50K 5000 K AMBPC Amber phosphor converted[2,3]	T1S Type I Short T2S Type II Short T2M Type II Medium T3S Type III Short T3M Type III Medium T4M Type IV Medium TFTM Forward Throw Medium T5VS Type V Very Short T5S Type V Short T5M Type V Medium T5W Type V Wide BLC Backlight control[2,3] LCCO Left corner cutoff[2,3] RCCO Right corner cutoff[2,3]	MVOLT[4,5] 120[6] 208[5,6] 240[5,6] 277[6] 347[5,6,7] 480[5,6,7]	**Shipped included** SPA Square pole mounting RPA Round pole mounting WBA Wall bracket SPUMBA Square pole universal mounting adaptor[8] RPUMBA Round pole universal mounting adaptor[8] **Shipped separately** KMA8 DDBXD U Mast arm mounting bracket adaptor (specify finish)[9]

Control options		Other options	Finish (required)
Shipped installed		**Shipped installed**	DDBXD Dark bronze
NLTAIR2 nLight AIR generation 2 enabled[10]	PIRH1FC3V Bi-level, motion sensor, 15'-30' mounting height, ambient sensor enabled at 1fc[5,15]	HS House-side shield[20]	DBLXD Black
PER NEMA twist-lock receptacle only (no controls)[11]	BL30 Bi-level switched dimming, 30%[5,13,17]	SF Single fuse (120, 277, 347V)[6]	DNAXD Natural aluminum
PER5 Five-wire receptacle only (no controls)[11,12]	BL50 Bi-level switched dimming, 50%[5,13,17]	DF Double fuse (208, 240, 480V)[6]	DWHXD White
PER7 Seven-wire receptacle only (no controls)[11,12]	PNMTDD3 Part night, dim till dawn[5,18]	L90 Left rotated optics[1]	DDBTXD Textured dark bronze
DMG 0-10V dimming extend out back of housing for external control (no controls)	PNMT5D3 Part night, dim 5 hrs[5,18]	R90 Right rotated optics[1]	DBLBXD Textured black
DS Dual switching[13,14]	PNMT6D3 Part night, dim 6 hrs[5,18]	**Shipped separately**	DNATXD Textured natural aluminum
PIRH Bi-level, motion/ambient sensor, 15-30' mounting height, ambient sensor enable at 5fc[5,15]	PNMT7D3 Part night, dim 7 hrs[5,18]	BS Bird spikes[21]	DWHGXD Textured white
PIRHN Network, Bi-Level motion/ambient sensor[16]	FAO Field Adjustable Output[19]	EGS External glare shield[21]	

CASE PL2018-305

Ordering Information

Accessories

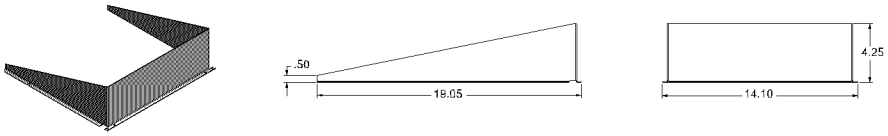
Ordered and shipped separately.

DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) [22]
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) [22]
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) [22]
DSHORT SBK U	Shorting cap [22]
DSX2HS 80C U	House-side shield for 80 LED unit [20]
DSX2HS 90C U	House-side shield for 90 LED unit [20]
DSX2HS 100C U	House-side shield for 100 LED unit [20]
PUMBA DDBXD U*	Square and round pole universal mounting bracket (specify finish) [23]
KMA8 DDBXD U	Mast arm mounting bracket adaptor (specify finish) [8]

For more control options, visit DTL and ROAM online.

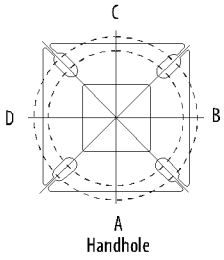
NOTES
1 P10, P11, P12 or P14 and rotated optics (L90, R90) only available together.
2 AMBPC not available with BLC, LCCO, RCCO, HS or P5, P7, P8, P13 or P14.
3 Not available with HS.
4 MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
5 Any PIRx with BL30, BL50 or PNMT, is not available with 208V, 240V, 347V, 480V or MVOLT. It is only available in 120V or 277V specified.
6 Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
7 Not available with BL30, BL50 or PNMT options.
8 Existing drilled pole only. Available as a separate combination accessory; for retrofit use only: PUMBA (finish) U; 1.5 G vibration load rating per ANCI C136.31.
9 Must order fixture with SPA otion.Must be ordered as a separate accessory; see Accessories information. For use with 2-3/8" mast arm (not included).
10 Must be ordered with PIRHN.
11 Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Not available with DS option. Shorting Cap included.
12 If ROAM® node required, it must be ordered and shipped as a separate line item from Acuity Brands Controls. Node with integral dimming. Shorting Cap included.
13 Requires (2) separately switched circuits. See Outdoor Control Technical Guide for details.
14 Provides 50/50 fixture operation via (2) independent drivers. Not available with PER, PER5, PER7, PIR or PIRH.
15 Reference Motion Sensor table on page 3.
16 Must be ordered with NLTAIR2. For more information on nLight Air 2 visit this link.
17 Not available with 347V, 480V, DS and PNMT. For PER5 or PER7 see PER Table on page 3. Requires isolated neutral.
18 Not available with 347V, 480V, DS, BL30, BL50. For PER5 or PER7 see PER Table on page 3. Separate Dusk to Dawn required.
19 Not available with other dimming controls options.
20 Not available with BLC, LCCO and RCCO distribution. Also available as a separate accessory; see Accessories information.
21 Must be ordered with fixture for factory pre-drilling.
22 Requires luminaire to be specified with PER, PER5 and PER7 option. Ordered and shipped as a separate line item from Acuity Brands Controls.
23 For retrofit use only.

External Glare Shield

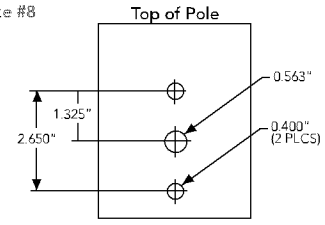


Drilling

HANDHOLE ORIENTATION



Template #8



Tenon Mounting Slipfitter**

Tenon O.D.	Single Unit	2 at 180°	2 at 90°	3 at 120°	3 at 90°	4 at 90°
2-3/8"	AST20-190	AST20-280	AST20-290	AST20-320	AST20-390	AST20-490
2-7/8"	AST25-190	AST25-280	AST25-290	AST25-320	AST25-390	AST25-490
4"	AST35-190	AST35-280	AST35-290	AST35-320	AST35-390	AST35-490

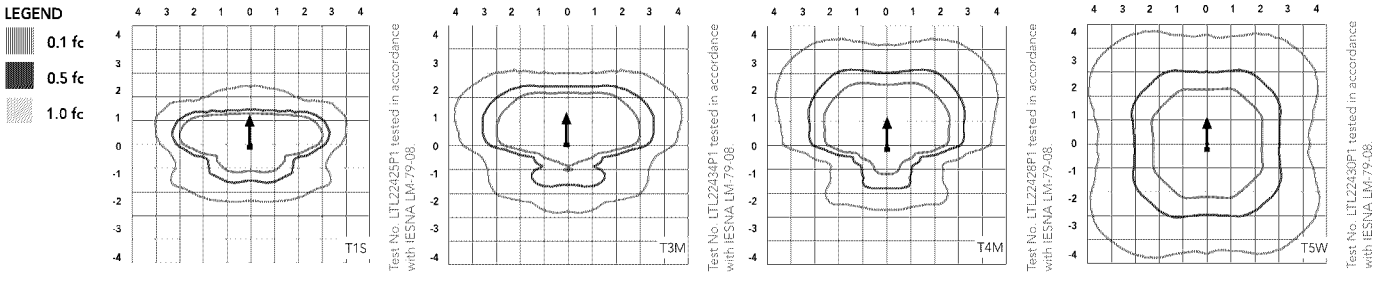
Pole drilling nomenclature: # of heads at degree from handhole (default side A)					
DM19AS	DM28AS	DM29AS	DM32AS	DM39AS	DM49AS
1 @ 90°	2 @ 280°	2 @ 90°	3 @ 120°	3 @ 90°	4 @ 90°
Side B	Side B & D	Side B & C	Round pole only	Side B, C, & D	Sides A, B, C, D
Note: Review luminaire spec sheet for specific nomenclature					

Pole top or tenon O.D.	4.5" @ 90°	4" @ 90°	3.5" @ 90°	3" @ 90°	4.5" @ 120°	4" @ 120°	3.5" @ 120°	3" @ 120°
DSX SPA	Y	Y	Y	N	-	-	-	-
DSX RPA	Y	Y	N	N	Y	Y	Y	Y
DSX SPUMBA	Y	N	N	N	-	-	-	-
DSX RPUMBA	N	N	N	N	Y	Y	Y	N
					*3 fixtures @120 require round pole top/tenon.			

Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's D-Series Area Size 2 homepage.

Isofootcandle plots for the DSX2 LED 80C 1000 40K. Distances are in units of mounting height (30').



Performance Data

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient		Lumen Multiplier
0°C	32°F	1.04
5°C	41°F	1.04
10°C	50°F	1.03
15°C	50°F	1.02
20°C	68°F	1.01
25°C	**77°F**	**1.00**
30°C	86°F	0.99
35°C	95°F	0.98
40°C	104°F	0.97

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a **25°C ambient**, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	0	25000	50000	100000
Lumen Maintenance Factor	1.00	0.96	0.92	0.85

Electrical Load

					Current (A)					
	Performance Package	LED Count	Drive Current	Wattage	120	208	240	277	347	480
Forward Optics (Non-Rotated)	P1	80	530	140	1.18	0.68	0.59	0.51	0.40	0.32
	P2	80	700	185	1.56	0.90	0.78	0.66	0.52	0.39
	P3	80	850	217	1.82	1.05	0.90	0.80	0.63	0.48
	P4	80	1050	270	2.27	1.31	1.12	0.99	0.79	0.59
	P5	80	1250	321	2.68	1.54	1.34	1.17	0.93	0.68
	P6	100	1050	343	2.89	1.66	1.59	1.37	1.00	0.71
	P7	100	1250	398	3.31	1.91	1.66	1.45	1.16	0.81
	P8	100	1350	431	3.61	2.07	1.81	1.57	1.25	0.91
Rotated Optics (Requires L90 or R90)	P10	90	530	156	1.30	0.76	0.65	0.62	0.45	0.32
	P11	90	700	207	1.75	1.01	0.87	0.74	0.60	0.46
	P12	90	850	254	2.12	1.22	1.06	0.94	0.73	0.55
	P13	90	1200	344	2.88	1.65	1.44	1.25	1.00	0.73
	P14	90	1400	405	3.39	1.95	1.71	1.48	1.18	0.86

Motion Sensor Default Settings						
Option	Dimmed State	High Level (when triggered)	Photocell Operation	Dwell Time	Ramp-up Time	Ramp-down Time
PIR or PIRH	3V (37%) Output	10V (100%) Output	Enabled @ 5FC	5 min	3 sec	5 min
*PIR1FC3V or PIRH1FC3V	3V (37%) Output	10V (100%) Output	Enabled @ 1FC	5 min	3 sec	5 min

*for use with Inline Dusk to Dawn or timer.

PER Table						
Control	PER (3 wire)	PER5 (5 wire)		PER7 (7 wire)		
			Wire 4/Wire5		Wire 4/Wire5	Wire 6/Wire7
Photocontrol Only (On/Off)	✔	▲	Wired to dimming leads on driver	▲	Wired to dimming leads on driver	Wires Capped inside fixture
ROAM	⊘	✔	Wired to dimming leads on driver	▲	Wired to dimming leads on driver	Wires Capped inside fixture
ROAM with Motion (ROAM on/off only)	⊘	▲	Wires Capped inside fixture	▲	Wires Capped inside fixture	Wires Capped inside fixture
Future-proof*	⊘	▲	Wired to dimming leads on driver	✔	Wired to dimming leads on driver	Wires Capped inside fixture
Future-proof* with Motion	⊘	▲	Wires Capped inside fixture	✔	Wires Capped inside fixture	Wires Capped inside fixture

✔ Recommended
⊘ Will not work
▲ Alternate

*Future-proof means: Ability to change controls in the future.

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)					AMBPC (Amber Phosphor Converted)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
80	530	P1	140W	T1S	17,575	3	0	3	126	18,933	3	0	3	135	19,173	3	0	3	137	10,578	2	0	2	78
				T2S	17,556	3	0	3	125	18,913	3	0	3	135	19,152	3	0	3	137	10,554	2	0	2	77
				T2M	17,647	3	0	3	126	19,010	3	0	3	136	19,251	3	0	3	138	10,571	2	0	2	77
				T3S	17,090	3	0	3	122	18,411	3	0	3	132	18,644	3	0	3	133	10,548	2	0	2	77
				T3M	17,604	3	0	3	126	18,964	3	0	3	135	19,204	3	0	3	137	10,569	2	0	2	77
				T4M	17,221	3	0	3	123	18,552	3	0	4	133	18,787	3	0	4	134	10,547	2	0	2	77
				TFTM	17,593	3	0	3	126	18,952	3	0	4	135	19,192	3	0	4	137	10,741	1	0	2	78
				T5VS	18,297	4	0	1	131	19,711	4	0	1	141	19,961	4	0	1	143	11,155	3	0	0	81
				T5S	18,312	4	0	2	131	19,727	4	0	2	141	19,977	4	0	2	143	11,149	3	0	0	81
				T5M	18,266	4	0	2	130	19,677	4	0	2	141	19,926	4	0	2	142	11,096	3	0	2	81
				T5W	18,146	5	0	3	130	19,548	5	0	3	140	19,796	5	0	3	141	10,957	3	0	2	80
				BLC	14,424	2	0	2	103	15,539	2	0	3	111	15,736	2	0	3	112					
				LCCO	10,733	1	0	3	77	11,562	1	0	3	83	11,709	2	0	3	84					
				RCCO	10,733	1	0	3	77	11,562	1	0	3	83	11,709	2	0	3	84					
80	700	P2	185W	T1S	22,305	3	0	3	121	24,029	3	0	3	130	24,333	3	0	3	132	13,147	2	0	2	71
				T2S	22,281	3	0	4	120	24,003	3	0	4	130	24,307	3	0	4	131	13,116	2	0	2	70
				T2M	22,396	3	0	3	121	24,127	3	0	3	130	24,432	3	0	3	132	13,138	2	0	2	70
				T3S	21,690	3	0	4	117	23,366	3	0	4	126	23,662	3	0	4	128	13,110	2	0	2	70
				T3M	22,342	3	0	4	121	24,068	3	0	4	130	24,373	3	0	4	132	13,135	2	0	3	70
				T4M	21,857	3	0	4	118	23,545	3	0	4	127	23,844	3	0	4	129	13,108	2	0	2	70
				TFTM	22,328	3	0	4	121	24,054	3	0	4	130	24,358	3	0	4	132	13,349	2	0	2	71
				T5VS	23,222	5	0	1	126	25,016	5	0	1	135	25,333	5	0	1	137	13,864	3	0	1	74
				T5S	23,241	4	0	2	126	25,037	4	0	2	135	25,354	4	0	2	137	13,856	3	0	1	74
				T5M	23,182	5	0	3	125	24,974	5	0	3	135	25,290	5	0	3	137	13,790	3	0	2	73
				T5W	23,030	5	0	4	124	24,810	5	0	4	134	25,124	5	0	4	136	13,617	4	0	2	72
				BLC	18,307	2	0	3	99	19,721	2	0	3	107	19,971	2	0	3	108					
				LCCO	13,622	2	0	3	74	14,674	2	0	4	79	14,860	2	0	4	80					
				RCCO	13,622	2	0	3	74	14,674	2	0	4	79	14,860	2	0	4	80					
80	850	P3	217W	T1S	26,202	3	0	3	121	28,226	3	0	3	130	28,584	3	0	3	132	17,833	3	0	3	66
				T2S	26,174	3	0	4	121	28,196	3	0	4	130	28,553	3	0	4	132	17,791	3	0	3	66
				T2M	26,309	3	0	3	121	28,342	3	0	3	131	28,700	3	0	3	132	17,821	3	0	3	66
				T3S	25,479	3	0	4	117	27,448	3	0	4	126	27,795	3	0	4	128	17,782	3	0	3	66
				T3M	26,245	3	0	4	121	28,273	3	0	4	130	28,631	3	0	4	132	17,817	3	0	3	66
				T4M	25,675	3	0	4	118	27,659	3	0	4	127	28,009	3	0	4	129	17,779	3	0	3	66
				TFTM	26,229	3	0	4	121	28,255	3	0	4	130	28,613	3	0	4	132	18,107	3	0	3	67
				T5VS	27,279	5	0	1	126	29,387	5	0	1	135	29,759	5	0	1	137	18,805	4	0	1	70
				T5S	27,301	4	0	2	126	29,410	5	0	2	136	29,783	5	0	2	137	18,794	4	0	1	70
				T5M	27,232	5	0	3	125	29,336	5	0	3	135	29,707	5	0	3	137	18,705	4	0	2	69
				T5W	27,053	5	0	4	125	29,144	5	0	4	134	29,513	5	0	4	136	18,470	5	0	3	68
				BLC	21,504	2	0	3	99	23,166	2	0	3	107	23,459	2	0	4	108					
				LCCO	16,001	2	0	4	74	17,238	2	0	4	79	17,456	2	0	4	80					
				RCCO	16,001	2	0	4	74	17,238	2	0	4	79	17,456	2	0	4	80					
80	1050	P4	270W	T1S	30,963	4	0	4	115	33,355	4	0	4	124	33,777	4	0	4	125					
				T2S	30,930	4	0	4	115	33,320	4	0	4	123	33,742	4	0	4	125					
				T2M	31,089	3	0	4	115	33,491	3	0	4	124	33,915	3	0	4	126					
				T3S	30,108	4	0	4	112	32,435	4	0	5	120	32,845	4	0	5	122					
				T3M	31,014	3	0	4	115	33,410	3	0	4	124	33,833	3	0	4	125					
				T4M	30,340	3	0	5	112	32,684	3	0	5	121	33,098	3	0	5	123					
				TFTM	30,995	3	0	5	115	33,390	3	0	5	124	33,812	3	0	5	125					
				T5VS	32,235	5	0	1	119	34,726	5	0	1	129	35,166	5	0	1	130					
				T5S	32,261	5	0	2	119	34,754	5	0	2	129	35,194	5	0	2	130					
				T5M	32,180	5	0	4	119	34,667	5	0	4	128	35,105	5	0	4	130					
				T5W	31,969	5	0	4	118	34,439	5	0	5	128	34,875	5	0	5	129					
				BLC	25,412	2	0	4	94	27,376	2	0	4	101	27,722	2	0	4	103					
				LCCO	18,909	2	0	4	70	20,370	2	0	4	75	20,628	2	0	4	76					
				RCCO	18,909	2	0	4	70	20,370	2	0	4	75	20,628	2	0	4	76					

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)					AMBPC (Amber Phosphor Converted)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
80	1250	P5	321W	T1S	35,193	4	0	4	110	37,912	4	0	4	118	38,392	4	0	4	120					
				T2S	35,155	4	0	5	110	37,872	4	0	5	118	38,351	4	0	5	119					
				T2M	35,336	4	0	4	110	38,067	4	0	4	119	38,549	4	0	4	120					
				T3S	34,222	4	0	5	107	36,866	4	0	5	115	37,333	4	0	5	116					
				T3M	35,251	3	0	4	110	37,974	3	0	5	118	38,455	4	0	5	120					
				T4M	34,485	3	0	5	107	37,149	4	0	5	116	37,620	4	0	5	117					
				TFTM	35,229	3	0	5	110	37,951	3	0	5	118	38,431	3	0	5	120					
				T5VS	36,639	5	0	1	114	39,470	5	0	1	123	39,970	5	0	1	125					
				T5S	36,669	5	0	2	114	39,502	5	0	2	123	40,002	5	0	2	125					
				T5M	36,576	5	0	4	114	39,403	5	0	4	123	39,901	5	0	4	124					
				T5W	36,336	5	0	5	113	39,144	5	0	5	122	39,640	5	0	5	123					
				BLC	28,884	3	0	4	90	31,115	3	0	4	97	31,509	3	0	4	98					
				LCCO	21,492	2	0	4	67	23,153	2	0	5	72	23,446	3	0	5	73					
				RCCO	21,492	2	0	4	67	23,153	2	0	5	72	23,446	3	0	5	73					
100	1050	P6	343W	T1S	37,824	4	0	4	110	40,747	4	0	4	119	41,263	4	0	4	120	21,838	1	0	1	64
				T2S	37,784	4	0	5	110	40,704	4	0	5	119	41,219	4	0	5	120	21,787	1	0	1	64
				T2M	37,979	4	0	4	111	40,913	4	0	4	119	41,431	4	0	4	121	21,824	1	0	1	64
				T3S	36,780	4	0	5	107	39,623	4	0	5	116	40,124	4	0	5	117	21,776	1	0	1	63
				T3M	37,886	3	0	5	110	40,814	4	0	5	119	41,331	4	0	5	120	21,819	1	0	1	64
				T4M	37,063	4	0	5	108	39,927	4	0	5	116	40,433	4	0	5	118	22,175	1	0	1	65
				TFTM	37,863	3	0	5	110	40,789	4	0	5	119	41,305	4	0	5	120	21,773	1	0	1	63
				T5VS	39,379	5	0	1	115	42,422	5	0	1	124	42,959	5	0	1	125	23,029	2	0	0	67
				T5S	39,411	5	0	2	115	42,456	5	0	2	124	42,993	5	0	2	125	23,016	2	0	0	67
				T5M	39,311	5	0	4	115	42,349	5	0	4	123	42,885	5	0	4	125	22,906	2	0	1	67
				T5W	39,053	5	0	5	114	42,071	5	0	5	123	42,604	5	0	5	124	22,619	2	0	1	66
				BLC	31,043	3	0	4	91	33,442	3	0	4	97	33,865	3	0	4	99					
				LCCO	23,099	2	0	5	67	24,884	3	0	5	73	25,199	3	0	5	73					
				RCCO	23,099	2	0	5	67	24,884	3	0	5	73	25,199	3	0	5	73					
100	1250	P7	398W	T1S	42,599	4	0	4	107	45,890	4	0	4	115	46,471	4	0	4	117					
				T2S	42,553	4	0	5	107	45,842	4	0	5	115	46,422	4	0	5	117					
				T2M	42,773	4	0	4	107	46,078	4	0	4	116	46,661	4	0	5	117					
				T3S	41,423	4	0	5	104	44,624	4	0	5	112	45,189	4	0	5	114					
				T3M	42,669	4	0	5	107	45,966	4	0	5	115	46,548	4	0	5	117					
				T4M	41,742	4	0	5	105	44,967	4	0	5	113	45,537	4	0	5	114					
				TFTM	42,643	4	0	5	107	45,938	4	0	5	115	46,519	4	0	5	117					
				T5VS	44,350	5	0	1	111	47,777	5	0	1	120	48,381	5	0	1	122					
				T5S	44,385	5	0	2	112	47,815	5	0	3	120	48,420	5	0	3	122					
				T5M	44,273	5	0	4	111	47,695	5	0	4	120	48,298	5	0	4	121					
				T5W	43,983	5	0	5	111	47,382	5	0	5	119	47,982	5	0	5	121					
				BLC	34,962	3	0	4	88	37,664	3	0	5	95	38,140	3	0	5	96					
				LCCO	26,015	3	0	5	65	28,025	3	0	5	70	28,380	3	0	5	71					
				RCCO	26,015	3	0	5	65	28,025	3	0	5	70	28,380	3	0	5	71					
100	1350	P8	448W	T1S	45,610	4	0	4	106	49,135	4	0	4	114	49,757	4	0	4	115					
				T2S	45,562	4	0	5	106	49,083	4	0	5	114	49,704	4	0	5	115					
				T2M	45,797	4	0	4	106	49,336	4	0	5	114	49,960	4	0	5	116					
				T3S	44,352	4	0	5	103	47,779	4	0	5	111	48,384	4	0	5	112					
				T3M	45,686	4	0	5	106	49,216	4	0	5	114	49,839	4	0	5	116					
				T4M	44,693	4	0	5	104	48,147	4	0	5	112	48,756	4	0	5	113					
				TFTM	45,657	4	0	5	106	49,186	4	0	5	114	49,808	4	0	5	116					
				T5VS	47,485	5	0	1	110	51,155	5	0	1	119	51,802	5	0	1	120					
				T5S	47,524	5	0	3	110	51,196	5	0	3	119	51,844	5	0	3	120					
				T5M	47,404	5	0	4	110	51,067	5	0	5	118	51,713	5	0	5	120					
				T5W	47,093	5	0	5	109	50,732	5	0	5	118	51,374	5	0	5	119					
				BLC	37,434	3	0	5	87	40,326	3	0	5	94	40,837	3	0	5	95					
				LCCO	27,854	3	0	5	65	30,006	3	0	5	70	30,386	3	0	5	71					
				RCCO	27,854	3	0	5	65	30,006	3	0	5	70	30,386	3	0	5	71					

CASE PL2018-305

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.

Rotated 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)					AMBPC (Amber Phosphor Converted)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
90	530	P10	156W	T1S	20,145	4	0	4	129	21,702	4	0	4	139	21,977	4	0	4	141	11,475	3	0	3	77
				T2S	20,029	4	0	4	128	21,577	4	0	4	138	21,850	4	0	4	140	11,448	3	0	3	76
				T2M	20,391	4	0	4	131	21,967	4	0	4	141	22,245	4	0	4	143	11,467	3	0	3	76
				T3S	19,719	4	0	4	126	21,242	4	0	4	136	21,511	4	0	4	138	11,442	3	0	3	76
				T3M	20,379	4	0	4	131	21,954	4	0	4	141	22,232	4	0	4	143	11,464	4	0	4	76
				T4M	19,995	4	0	4	128	21,540	4	0	4	138	21,812	5	0	5	140	11,440	4	0	4	76
				TFTM	20,511	4	0	4	131	22,096	5	0	5	142	22,376	5	0	5	143	11,651	4	0	4	78
				T5VS	20,655	4	0	1	132	22,251	4	0	1	143	22,533	4	0	1	144	12,288	3	0	1	82
				T5S	20,482	4	0	2	131	22,064	4	0	2	141	22,343	4	0	2	143	11,978	3	0	1	80
				T5M	20,477	5	0	3	131	22,059	5	0	3	141	22,338	5	0	3	143	12,301	4	0	2	82
				T5W	20,293	5	0	3	130	21,861	5	0	3	140	22,138	5	0	4	142	12,109	4	0	2	81
				BLC	16,846	4	0	4	108	18,148	4	0	4	116	18,378	4	0	4	118					
				LCCO	12,032	2	0	3	77	12,961	2	0	3	83	13,125	2	0	3	84					
				RCCO	12,016	4	0	4	77	12,944	4	0	4	83	13,108	4	0	4	84					
90	700	P11	207W	T1S	25,518	4	0	4	123	27,490	4	0	4	133	27,837	4	0	4	134	14,387	3	0	3	70
				T2S	25,371	5	0	5	123	27,331	5	0	5	132	27,677	5	0	5	134	14,354	3	0	3	70
				T2M	25,829	4	0	4	125	27,825	4	0	4	134	28,177	4	0	4	136	14,378	4	0	4	70
				T3S	24,977	5	0	5	121	26,907	5	0	5	130	27,248	5	0	5	132	14,347	4	0	4	70
				T3M	25,814	5	0	5	125	27,809	5	0	5	134	28,161	5	0	5	136	14,374	4	0	4	70
				T4M	25,327	5	0	5	122	27,284	5	0	5	132	27,629	5	0	5	133	14,344	4	0	4	70
				TFTM	25,981	5	0	5	126	27,989	5	0	5	135	28,343	5	0	5	137	15,408	4	0	1	75
				T5VS	26,164	5	0	1	126	28,185	5	0	1	136	28,542	5	0	1	138	15,019	4	0	1	73
				T5S	25,943	4	0	2	125	27,948	5	0	2	135	28,302	5	0	2	137	15,424	4	0	2	75
				T5M	25,937	5	0	3	125	27,941	5	0	3	135	28,295	5	0	3	137	14,609	4	0	4	71
				T5W	25,704	5	0	4	124	27,691	5	0	4	134	28,041	5	0	4	135	15,182	4	0	2	74
				BLC	21,339	4	0	4	103	22,988	4	0	4	111	23,279	4	0	4	112					
				LCCO	15,240	2	0	4	74	16,418	2	0	4	79	16,626	2	0	4	80					
				RCCO	15,220	5	0	5	74	16,396	5	0	5	79	16,604	5	0	5	80					
90	850	P12	254W	T1S	29,912	4	0	4	118	32,223	4	0	4	127	32,631	5	0	4	128					
				T2S	29,740	5	0	5	117	32,038	5	0	5	126	32,443	5	0	5	128					
				T2M	30,277	4	0	4	119	32,616	5	0	5	128	33,029	5	0	5	130					
				T3S	29,278	5	0	5	115	31,540	5	0	5	124	31,940	5	0	5	126					
				T3M	30,259	5	0	5	119	32,597	5	0	5	128	33,010	5	0	5	130					
				T4M	29,688	5	0	5	117	31,982	5	0	5	126	32,387	5	0	5	128					
				TFTM	30,455	5	0	5	120	32,808	5	0	5	129	33,224	5	0	5	131					
				T5VS	30,669	5	0	1	121	33,039	5	0	1	130	33,457	5	0	1	132					
				T5S	30,411	5	0	2	120	32,761	5	0	2	129	33,176	5	0	2	131					
				T5M	30,404	5	0	3	120	32,753	5	0	4	129	33,168	5	0	4	131					
				T5W	30,131	5	0	4	119	32,459	5	0	4	128	32,870	5	0	4	129					
				BLC	25,013	4	0	4	98	26,946	4	0	4	106	27,287	4	0	4	107					
				LCCO	17,865	2	0	4	70	19,245	2	0	4	76	19,489	2	0	4	77					
				RCCO	17,841	5	0	5	70	19,220	5	0	5	76	19,463	5	0	5	77					
90	1200	P13	344W	T1S	38,768	5	0	5	113	41,764	5	0	5	121	42,292	5	0	5	123					
				T2S	38,545	5	0	5	112	41,523	5	0	5	121	42,049	5	0	5	122					
				T2M	39,241	5	0	5	114	42,273	5	0	5	123	42,808	5	0	5	124					
				T3S	37,947	5	0	5	110	40,879	5	0	5	119	41,396	5	0	5	120					
				T3M	39,218	5	0	5	114	42,249	5	0	5	123	42,783	5	0	5	124					
				T4M	38,478	5	0	5	112	41,451	5	0	5	120	41,976	5	0	5	122					
				TFTM	39,472	5	0	5	115	42,522	5	0	5	124	43,060	5	0	5	125					
				T5VS	39,749	5	0	1	116	42,821	5	0	1	124	43,363	5	0	1	126					
				T5S	39,415	5	0	2	115	42,461	5	0	2	123	42,998	5	0	2	125					
				T5M	39,405	5	0	4	115	42,450	5	0	4	123	42,988	5	0	4	125					
				T5W	39,052	5	0	5	114	42,069	5	0	5	122	42,602	5	0	5	124					
				BLC	32,419	5	0	5	94	34,925	5	0	5	102	35,367	5	0	5	103					
				LCCO	23,154	3	0	5	67	24,943	3	0	5	73	25,259	3	0	5	73					
				RCCO	23,124	5	0	5	67	24,910	5	0	5	72	25,226	5	0	5	73					
90	1400	P14	405W	T1S	42,867	5	0	5	106	46,180	5	0	5	114	46,764	5	0	5	115					
				T2S	42,621	5	0	5	105	45,914	5	0	5	113	46,495	5	0	5	115					
				T2M	43,390	5	0	5	107	46,743	5	0	5	115	47,335	5	0	5	117					
				T3S	41,959	5	0	5	104	45,201	5	0	5	112	45,773	5	0	5	113					
				T3M	43,365	5	0	5	107	46,716	5	0	5	115	47,307	5	0	5	117					
				T4M	42,547	5	0	5	105	45,834	5	0	5	113	46,414	5	0	5	115					
				TFTM	43,646	5	0	5	108	47,018	5	0	5	116	47,614	5	0	5	118					
				T5VS	43,952	5	0	1	109	47,349	5	0	1	117	47,948	5	0	1	118					
				T5S	43,583	5	0	2	108	46,950	5	0	2	116	47,545	5	0	3	117					
				T5M	43,572	5	0	4	108	46,939	5	0	4	116	47,533	5	0	4	117					
				T5W	43,181	5	0	5	107	46,518	5	0	5	115	47,107	5	0	5	116					
				BLC	35,847	5	0	5	89	38,617	5	0	5	95	39,106	5	0	5	97					
				LCCO	25,602	3	0	5	63	27,580	3	0	5	68	27,930	3	0	5	69					
				RCCO	25,569	5	0	5	63	27,544	5	0	5	68	27,893	5	0	5	69					

FEATURES & SPECIFICATIONS

INTENDED USE
The sleek design of the D-Series Area Size 2 reflects the embedded high performance LED technology. It is ideal for applications like car dealerships and large parking lots adjacent to malls, transit stations, grocery stores, home centers, and other big-box retailers.

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 (1.1 ft^2) 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 3000 K, 4000 K, or 5000 K (70 CRI) configurations. The D-Series Size 2 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 hrs 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).

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 2 to withstand up to a 2.0 G vibration load rating per ANSI C136.31. The D-Series Size 2 utilizes the AERIS™ series pole drilling pattern (Template #8). NEMA photocontrol receptacle is 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. D670,857 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/CustomerResources/Terms_and_conditions.aspx

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.

CASE PL2018-305

D-Series Size 1
LED Wall Luminaire

Catalog Number

Notes

Type

d"series

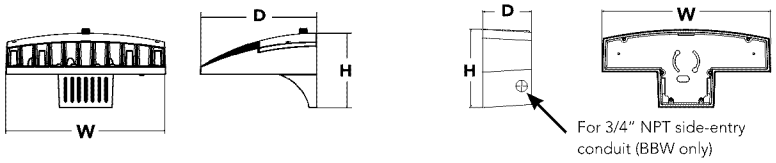
Specifications

Luminaire

Width:	13-3/4" (34.9 cm)	**Weight:**	12 lbs (5.4 kg)
Depth:	10" (25.4 cm)		
Height:	6-3/8" (16.2 cm)		

Back Box (BBW, ELCW)

Width:	13-3/4" (34.9 cm)	**BBW Weight:**	5 lbs (2.3 kg)
Depth:	4" (10.2 cm)	**ELCW Weight:**	10 lbs (4.5 kg)
Height:	6-3/8" (16.2 cm)		



Introduction

The D-Series Wall luminaire is a stylish, fully integrated LED solution for building-mount applications. It features a sleek, modern design and is carefully engineered to provide long-lasting, energy-efficient lighting with a variety of optical and control options for customized performance.

With an expected service life of over 20 years of nighttime use and up to 74% in energy savings over comparable 250W metal halide luminaires, the D-Series Wall is a reliable, low-maintenance lighting solution that produces sites that are exceptionally illuminated.

Ordering Information

EXAMPLE: DSXW1 LED 20C 1000 40K T3M MVOLT DDBTXD

DSXW1 LED

Series	LEDs	Drive Current	Color temperature	Distribution	Voltage	Mounting	Control Options
DSXW1 LED	10C 10 LEDs (one engine) 20C 20 LEDs (two engines) [1]	350 350 mA 530 530 mA 700 700 mA 1000 1000 mA (1 A) [1]	30K 3000 K 40K 4000 K 50K 5000 K AMBPC Amber phosphor converted	T2S Type II Short T2M Type II Medium T3S Type III Short T3M Type III Medium T4M Type IV Medium TFTM Forward Throw Medium ASYDF Asymmetric diffuse	MVOLT [2] 120 [3] 208 [3] 240 [3] 277 [3] 347 [3,4] 480 [3,4]	**Shipped included** (blank) Surface mounting bracket BBW Surface-mounted back box (for conduit entry) [5]	**Shipped installed** PE Photoelectric cell, button type [6] DMG 0-10V dimming driver (no controls; wires pulled outside fixture)) PIR 180° motion/ambient light sensor, <15' mtg ht [1,7] PIRH 180° motion/ambient light sensor, 15-30' mtg ht [1,7] PIR1FC3V Motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc [1,7] PIRH1FC3V Motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1fc [1,7] ELCW Emergency battery backup (includes external component enclosure), non CEC compliant [8]

Other Options				Finish (required)					
Shipped installed		**Shipped separately** [10]		DDBXD	Dark bronze	DSSXD	Sandstone	DWHGXD	Textured white
SF	Single fuse (120, 277 or 347V) [3,9]	BSW	Bird-deterrent spikes	DBLXD	Black	DDBTXD	Textured dark bronze	DSSTXD	Textured sandstone
DF	Double fuse (208, 240 or 480V) [3,9]	WG	Wire guard	DNAXD	Natural aluminum	DBLBXD	Textured black		
HS	House-side shield [10]	VG	Vandal guard	DWHXD	White	DNATXD	Textured natural aluminum		
SPD	Separate surge protection	DDL	Diffused drop lens						

Accessories

Ordered and shipped separately.

DSXWHS U	House-side shield (one per light engine)
DSXWBSW U	Bird-deterrent spikes
DSXW1WG U	Wire guard accessory
DSXW1VG U	Vandal guard accessory

NOTES

1 20C 1000 is not available with PIR, PIRH, PIR1FC3V or PIRH1FC3V.
2 MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
3 Single fuse (SF) requires 120, 277 or 347 voltage option. Double fuse (DF) requires 208, 240 or 480 voltage option.
4 Only available with 20C, 700mA or 1000mA. Not available with PIR or PIRH.
5 Back box ships installed on fixture. Cannot be field installed. Cannot be ordered as an accessory.
6 Photocontrol (PE) requires 120, 208, 240, 277 or 347 voltage option. Not available with motion/ambient light sensors (PIR or PIRH).
7 Reference Motion Sensor table on page 3.
8 Cold weather (-20C) rated. Not compatible with conduit entry applications. Not available with BBW mounting option. Not available with fusing. Not available with 347 or 480 voltage options. Emergency components located in back box housing. Emergency mode IES files located on product page at www.lithonia.com
9 Not available with ELCW.
10 Also available as a separate accessory; see Accessories information.

CASE PL2018-305

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.

# LEDs	Drive Current (mA)	System Watts	Dist. Type	30K (3000K, 70CRI)					40K (4000K, 70CRI)					50K (5000K, 70CRI)					AMBER (Amber Phosphor Converted)				
				Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
10C (10 LEDs)	350mA	13W	T2S	1,415	0	0	1	109	1,520	0	0	1	117	1,530	0	0	1	118	894	0	0	1	69
			T2M	1,349	0	0	1	104	1,448	0	0	1	111	1,458	0	0	1	112	852	0	0	1	66
			T3S	1,399	0	0	1	108	1,503	0	0	1	116	1,512	0	0	1	116	884	0	0	1	68
			T3M	1,385	0	0	1	107	1,488	0	0	1	114	1,497	0	0	1	115	876	0	0	1	67
			T4M	1,357	0	0	1	104	1,458	0	0	1	112	1,467	0	0	1	113	858	0	0	1	66
			TFTM	1,411	0	0	1	109	1,515	0	0	1	117	1,525	0	0	1	117	892	0	0	1	69
			ASYDF	1,262	1	0	1	97	1,354	1	0	1	104	1,363	1	0	1	105	797	0	0	1	61
	530 mA	19W	T2S	2,053	1	0	1	108	2,205	1	0	1	116	2,220	1	0	1	117	1,264	0	0	1	67
			T2M	1,957	1	0	1	103	2,102	1	0	1	111	2,115	1	0	1	111	1,205	0	0	1	63
			T3S	2,031	1	0	1	107	2,181	1	0	1	115	2,194	1	0	1	115	1,250	0	0	1	66
			T3M	2,010	1	0	1	106	2,159	1	0	1	114	2,172	1	0	1	114	1,237	0	0	1	65
			T4M	1,970	1	0	1	104	2,115	1	0	1	111	2,129	1	0	1	112	1,212	0	0	1	64
			TFTM	2,047	0	0	1	108	2,198	1	0	1	116	2,212	1	0	1	116	1,260	0	0	1	66
			ASYDF	1,831	1	0	1	96	1,966	1	0	1	103	1,978	1	0	1	104	1,127	0	0	1	59
	700 mA	26W	T2S	2,623	1	0	1	101	2,816	1	0	1	108	2,834	1	0	1	109	1,544	0	0	1	59
			T2M	2,499	1	0	1	96	2,684	1	0	1	103	2,701	1	0	1	104	1,472	0	0	1	57
			T3S	2,593	1	0	1	100	2,785	1	0	1	107	2,802	1	0	1	108	1,527	0	0	1	59
			T3M	2,567	1	0	1	99	2,757	1	0	1	106	2,774	1	0	1	107	1,512	0	0	1	58
			T4M	2,515	1	0	1	97	2,701	1	0	1	104	2,718	1	0	1	105	1,481	0	0	1	57
			TFTM	2,614	1	0	1	101	2,808	1	0	1	108	2,825	1	0	1	109	1,539	0	0	1	59
			ASYDF	2,337	1	0	1	90	2,510	1	0	1	97	2,525	1	0	1	97	1,376	1	0	1	53
	1000 mA	39W	T2S	3,685	1	0	1	94	3,957	1	0	1	101	3,982	1	0	1	102	2,235	1	0	1	57
			T2M	3,512	1	0	1	90	3,771	1	0	1	97	3,794	1	0	1	97	2,130	1	0	1	55
			T3S	3,644	1	0	1	93	3,913	1	0	1	100	3,938	1	0	1	101	2,210	1	0	1	57
			T3M	3,607	1	0	1	92	3,873	1	0	1	99	3,898	1	0	1	100	2,187	1	0	1	56
			T4M	3,534	1	0	2	91	3,796	1	0	2	97	3,819	1	0	2	98	2,143	1	0	1	55
			TFTM	3,673	1	0	1	94	3,945	1	0	1	101	3,969	1	0	1	102	2,228	1	0	1	57
			ASYDF	3,284	1	0	2	84	3,527	1	0	2	90	3,549	1	0	2	91	1,992	1	0	1	51
20C (20 LEDs)	350mA	23W	T2S	2,820	1	0	1	123	3,028	1	0	1	132	3,047	1	0	1	132	1,777	1	0	1	77
			T2M	2,688	1	0	1	117	2,886	1	0	1	125	2,904	1	0	1	126	1,693	1	0	1	74
			T3S	2,789	1	0	1	121	2,994	1	0	1	130	3,014	1	0	1	131	1,757	0	0	1	76
			T3M	2,760	1	0	1	120	2,965	1	0	1	129	2,983	1	0	1	130	1,739	1	0	1	76
			T4M	2,704	1	0	1	118	2,905	1	0	1	126	2,922	1	0	1	127	1,704	1	0	1	74
			TFTM	2,811	1	0	1	122	3,019	1	0	1	131	3,038	1	0	1	132	1,771	0	0	1	77
			ASYDF	2,514	1	0	1	109	2,699	1	0	1	117	2,716	1	0	1	118	1,584	1	0	1	69
	530 mA	35W	T2S	4,079	1	0	1	117	4,380	1	0	1	125	4,407	1	0	1	126	2,504	1	0	1	72
			T2M	3,887	1	0	1	111	4,174	1	0	1	119	4,201	1	0	1	120	2,387	1	0	1	68
			T3S	4,033	1	0	1	115	4,331	1	0	1	124	4,359	1	0	1	125	2,477	1	0	1	71
			T3M	3,993	1	0	2	114	4,288	1	0	2	123	4,315	1	0	2	123	2,451	1	0	1	70
			T4M	3,912	1	0	2	112	4,201	1	0	2	120	4,227	1	0	2	121	2,402	1	0	1	69
			TFTM	4,066	1	0	2	116	4,366	1	0	2	125	4,394	1	0	2	126	2,496	1	0	1	71
			ASYDF	3,636	1	0	2	104	3,904	1	0	2	112	3,928	1	0	2	112	2,232	1	0	1	64
	700 mA	46W	T2S	5,188	1	0	1	113	5,572	1	0	1	121	5,607	1	0	1	122	3,065	1	0	1	67
			T2M	4,945	1	0	2	108	5,309	1	0	2	115	5,343	1	0	2	116	2,921	1	0	1	64
			T3S	5,131	1	0	2	112	5,510	1	0	2	120	5,544	1	0	2	121	3,031	1	0	1	66
			T3M	5,078	1	0	2	110	5,454	1	0	2	119	5,487	1	0	2	119	3,000	1	0	1	65
			T4M	4,975	1	0	2	108	5,343	1	0	2	116	5,376	1	0	2	117	2,939	1	0	1	64
			TFTM	5,172	1	0	2	112	5,554	1	0	2	121	5,589	1	0	2	122	3,055	1	0	1	66
			ASYDF	4,624	1	0	2	101	4,965	1	0	2	108	4,996	1	0	2	109	2,732	1	0	1	59
	1000 mA	73W	T2S	7,204	1	0	2	99	7,736	2	0	2	106	7,784	2	0	2	107	4,429	1	0	1	61
			T2M	6,865	1	0	2	94	7,373	2	0	2	101	7,419	2	0	2	102	4,221	1	0	1	58
			T3S	7,125	1	0	2	98	7,651	1	0	2	105	7,698	1	0	2	105	4,380	1	0	1	60
			T3M	7,052	1	0	2	97	7,573	2	0	2	104	7,620	2	0	2	104	4,335	1	0	2	59
			T4M	6,909	1	0	2	95	7,420	1	0	2	102	7,466	1	0	2	102	4,248	1	0	2	58
			TFTM	7,182	1	0	2	98	7,712	1	0	2	106	7,761	1	0	2	106	4,415	1	0	2	60
			ASYDF	6,421	2	0	2	88	6,896	2	0	3	94	6,938	2	0	3	95	3,947	1	0	2	54

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Performance Data

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient		Lumen Multiplier
0°C	32°F	1.02
10°C	50°F	1.01
20°C	68°F	1.00
25°C	**77°F**	**1.00**
30°C	86°F	1.00
40°C	104°F	0.98

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the **DSXW1 LED 20C 1000** platform in a **25°C ambient,** based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.0	0.95	0.93	0.88

Electrical Load

			Current (A)					
LEDs	Drive Current (mA)	System Watts	120V	208V	240V	277V	347V	480V
10C	350	14 W	0.13	0.07	0.06	0.06	-	-
	530	20 W	0.19	0.11	0.09	0.08	-	-
	700	27 W	0.25	0.14	0.13	0.11	-	-
	1000	40 W	0.37	0.21	0.19	0.16	-	-
20C	350	24 W	0.23	0.13	0.12	0.10	-	-
	530	36 W	0.33	0.19	0.17	0.14	-	-
	700	47 W	0.44	0.25	0.22	0.19	0.15	0.11
	1000	74 W	0.69	0.40	0.35	0.30	0.23	0.17

Motion Sensor Default Settings

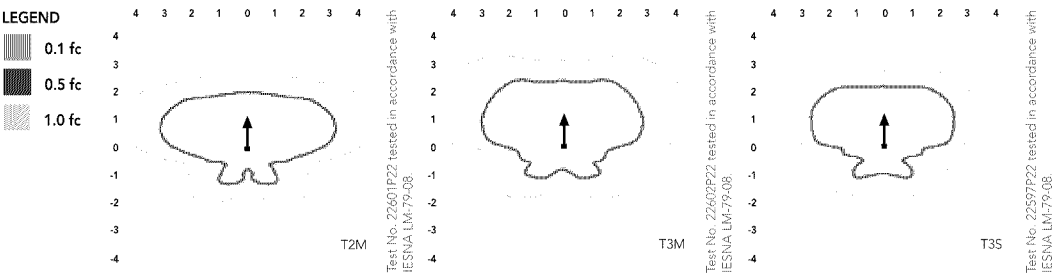
Option	Dimmed State	High Level (when triggered)	Photocell Operation	Dwell Time	Ramp-up Time	Ramp-down Time
*PIR or PIRH	3V (37%) Output	10V (100%) Output	Enabled @ 5FC	5 min	3 sec	5 min
PIR1FC3V or PIRH1FC3V	3V (37%) Output	10V (100%) Output	Enabled @ 1FC	5 min	3 sec	5 min

*for use with Inline Dusk to Dawn or timer

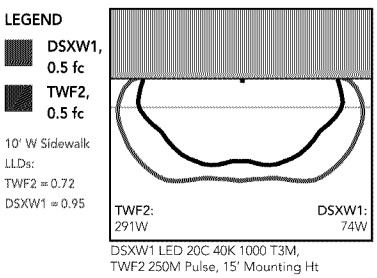
Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's D-Series Wall Size 1 homepage.

Isofootcandle plots for the DSXW1 LED 20C 1000 40K. Distances are in units of mounting height (15').



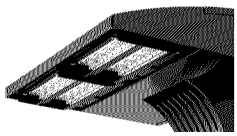
Distribution overlay comparison to 250W metal halide.



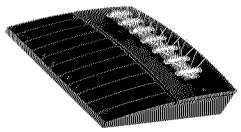
DSXW1 LED 20C 40K 1000 T3M, TWF2 250M Pulse, 15' Mounting Ht

Options and Accessories

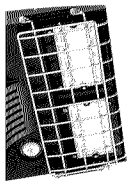
T3M (left), ASYDF (right) lenses



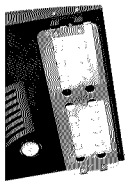
HS - House-side shields



BSW - Bird-deterrent spikes



WG - Wire guard



VG - Vandal guard

DDL - Diffused drop lens

FEATURES & SPECIFICATIONS

INTENDED USE

The energy savings, long life and easy-to-install design of the D-Series Wall Size 1 make it the smart choice for building-mounted doorway and pathway illumination for nearly any facility.

CONSTRUCTION

Two-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. The LED driver is mounted to the door to thermally isolate it from the light engines for low operating temperature and long life. Housing is completely sealed against moisture and environmental contaminants (IP65).

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 textured and non-textured finishes.

OPTICS

Precision-molded proprietary acrylic lenses provide multiple photometric distributions tailored specifically to building mounted applications. Light engines are available in 3000 K (70 min. CRI), 4000 K (70 min. CRI) or 5000 K (70 min. CRI) configurations.

ELECTRICAL

Light engine(s) consist of 10 high-efficacy LEDs mounted to a metal-core circuit board to maximize heat dissipation and promote long life (L88/100,000 hrs at 25°C). Class 1 electronic drivers have a power factor >90%, THD <20%, and a minimum 2.5KV surge rating. When ordering the SPD option, a separate surge protection device is installed within the luminaire which meets a minimum Category C Low (per ANSI/IEEE C62.41.2).

INSTALLATION

Included universal mounting bracket attaches securely to any 4" round or square outlet box for quick and easy installation. Luminaire has a slotted gasket wireway and attaches to the mounting bracket via corrosion-resistant screws.

LISTINGS

CSA certified to U.S. and Canadian standards. Rated for -40°C minimum ambient.

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

WARRANTY

Five-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. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.

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D-Series
LED Bollard

Catalog Number

Notes

Type

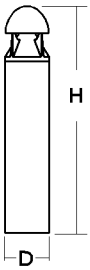
d-series

Specifications

Diameter: 8" Round *(20.3 cm)*

Height: 42" *(106.7 cm)*

Weight (max): 27 lbs *(12.25 kg)*



Introduction

The D-Series LED Bollard is a stylish, energy-saving, long-life solution designed to perform the way a bollard should—with zero uplight. An optical leap forward, this full cut-off luminaire will meet the most stringent of lighting codes. The D-Series LED Bollard's rugged construction, durable finish and long-lasting LEDs will provide years of maintenance-free service.

Ordering Information

EXAMPLE: DSXB LED 16C 700 40K SYM MVOLT DDBXD

DSXB LED

Series	LEDs	Drive current	Color temperature	Distribution	Voltage	Control options	Other options	Finish
DSXB LED	**Asymmetric** 12C 12 LEDs[1] **Symmetric** 16C 16 LEDs[2]	350 350 mA 450 450 mA[3,4] 530 530 mA 700 700 mA	30K 3000 K 40K 4000 K 50K 5000 K AMBPC Amber phosphor converted AMBLW Amber limited wavelength[3,4]	ASY Asymmetric[1] SYM Symmetric[2]	MVOLT[5] 120[5] 208[5] 240[5] 277[5] 347[4]	**Shipped installed** PE Photoelectric cell, button type DMG 0-10V dimming driver (no controls) ELCW Emergency battery backup[6]	**Shipped installed** SF Single fuse (120, 277, 347V)[4,7] DF Double fuse (208, 240V)[4,7] H24 24" overall height H30 30" overall height H36 36" overall height FG Ground-fault festoon outlet L/AB Without anchor bolts L/AB4 4-bolt retrofit base without anchor bolts[8]	DWHXD White DNAXD Natural aluminum DDBXD Dark bronze DBLXD Black DDBTXD Textured dark bronze DBLBXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white

Accessories

Ordered and shipped separately.

MRAB U Anchor bolts for DSXB[8]

NOTES

1. Only available in the 12C, ASY version.
2. Only available in the 16C, SYM version.
3. Only available with 450 AMBLW version.
4. Not available with ELCW.
5. MVOLT driver operates on any line voltage from 120-277V (50/60 Hz). Specify 120, 208, 240 or 277 options only when ordering with fusing (SF, DF options), or photocontrol (PE option).
6. Not available with 347V. Not available with fusing. Not available with 450 AMBLW.
7. Single fuse (SF) requires 120, 277, or 347 voltage option. Double fuse (DF) requires 208 or 240 voltage option.
8. MRAB U not available with L/AB4 option.

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Performance Data

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. Actual performance may differ as a result of end-user environment and application. Actual wattage may differ by +/- 8% when operating between 120-480V +/- 10%.

Light Engine	Drive Current	System Watts	3000 K					4000 K					5000 K					Limited Wavelength Amber				
			Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
Asymmetric (12 LEDs)	350	16	1,194	75	1	0	1	1,283	80	1	0	1	1,291	81	1	0	1					
	530	22	1,719	78	1	0	1	1,847	84	1	0	1	1,859	85	1	0	1					
	700	31	2,173	70	1	0	1	2,335	75	1	0	1	2,349	76	1	0	1					
	Amber 450	16																348	22	1	0	1
Symmetric (16 LEDs)	350	20	1,558	78	1	0	0	1,674	84	1	0	0	1,685	84	1	0	0					
	530	28	2,232	80	2	0	1	2,397	86	2	0	1	2,412	86	2	0	1					
	700	39	2,802	72	2	0	1	3,009	77	2	0	1	3,028	78	2	0	1					
	Amber 450	20																419	21	1	0	1

Note: Available with phosphor-converted amber LED's (nomenclature AMBPC). These LED's produce light with 97+% >530 nm. Output can be calculated by applying a 0.7 factor to 4000 K lumen values and photometric files.

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a **25°C ambient**, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.00	0.98	0.97	0.95

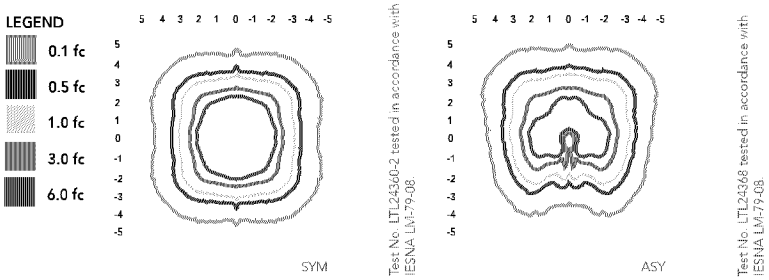
Electrical Load

Light Engines	Drive Current (mA)	System Watts	Current (A) 120	208	240	277	347
12C	350	16W	0.158	0.118	0.114	0.109	0.105
	530	22W	0.217	0.146	0.136	0.128	0.118
	700	31W	0.296	0.185	0.168	0.153	0.139
	Amber 450	16W	0.161	0.120	0.115	0.110	0.106
16C	350	20W	0.197	0.137	0.128	0.121	0.114
	530	28W	0.282	0.178	0.162	0.148	0.135
	700	39W	0.385	0.231	0.207	0.185	0.163
	Amber 450	20W	0.199	0.139	0.130	0.123	0.116

Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's D-Series Bollard homepage.

Isofootcandle plots for the DSXB LED 700 40K. Distances are in units of mounting height (3').



FEATURES & SPECIFICATIONS

INTENDED USE
The rugged construction and maintenance-free performance of the D-Series LED Bollard is ideal for illuminating building entryways, walking paths and pedestrian plazas, as well as any other location requiring a low-mounting-height light source.

CONSTRUCTION
One-piece 8-inch-round extruded aluminum shaft with thick side walls for extreme durability, and die-cast aluminum reflector and top cap. Die-cast aluminum mounting ring allows for easy leveling even in uneven areas and full 360-degree rotation for precise alignment during installation. Three ½" x 11" anchor bolts with double nuts and washers and 3-5/8" max. bolt circle template ensure stability. Overall height is 42" standard.

FINISH
Exterior parts are protected by a zinc-infused super durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering for maximum retention of gloss and luster. A tightly controlled multi-stage process ensures a minimum 3-mil thickness for a finish that can withstand the elements without cracking or peeling. Available in both textured and non-textured finishes.

OPTICS
Two 0% uplight optical distributions are available: symmetrical and asymmetrical. IP66 sealed LED light engine provides smoothly graduated illumination without uplight. Light engines are available in standard 4000 K (>70 CRI) or optional 3000 K (>80 CRI) or 5000 K (67 CRI). Limited-wavelength amber LEDs are also available.

ELECTRICAL
Light engines consist of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (L95/100,000 hours at 700mA at 25°C). Class 2 electronic drivers are designed for an expected life of 100,000 hours with < 1% failure rate. Electrical components are mounted on a removable power tray.

LISTINGS
CSA certified to U.S. and Canadian standards. Light engines are IP66 rated. Rated for -40°C minimum ambient. Cold-weather emergency battery backup rated for -20°C minimum ambient.

WARRANTY
Five-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.
All values are design or typical values, measured under laboratory conditions at 25 °C.
Specifications subject to change without notice.

CASE PL2018-305

Rev: 2017/08/08

OW1335 – AVATAR™

VISA LIGHTING

Type: Project:

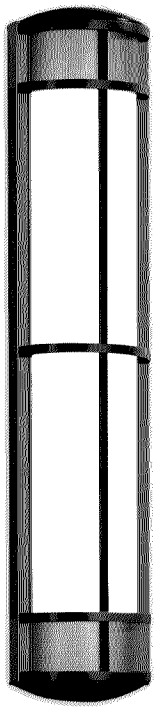
VisaLighting.com/products/Avatar

Fill in shaded boxes using information listed below

Order Code: OW1335 – | | | | | |

MODEL | Ⓐ SOURCE | Ⓑ VOLTAGE | Ⓒ FRAME / PERFORATION | Ⓓ ACCENT BAR AND END CAP | Ⓔ OPTION(S)

Finishes



The options available in this series provide a variety of visual compositions; this rugged die-cast and extruded fixture stands up to the elements.

Ⓐ SOURCE (Select one) Ⓑ VOLTAGE

MVOLT fixture accepts 120 through 277 input voltage
LED sources are 83CRI, within 3-step MacAdam and are dimmable 0-10V to 1%

	LED Sources	CCT	Delivered Lumens	Power (Watts)	Voltage
•	**L30K-L**	3000K	1600	19	**MVOLT**
	L35K-L	3500K			
•	**L40K-L**	4000K	1700		
•	**L30K-H**	3000K	2400	29	
	L35K-H	3500K			
•	**L40K-H**	4000K	2500		

FINISHES (Select one Ⓒ Frame Finish and one Ⓓ Accent Bar and End Cap Finish

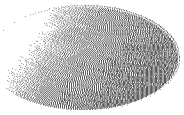
See page 2 for color chart

Powder Coat Painted Finishes (Standard) for Frame or Accent Bar and End Cap

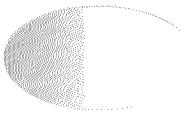
AG7038	Agate Grey	**CVBL**	Cove Blue	**GW9002**	Grey White	**PB1035**	Pearl Beige
BMAT	Bronze Matte	**CW9001**	Cream	**HTHR**	Heather	**RUST**	Rust
BRNZ	Bronze	**GLIM**	Glimmer	**JB9005**	Jet Black	**SUNG**	Sungold
BSIL	Blade Silver	**GSIL**	Graphite Silver	**OBRZ**	Old Bronze	**TW9016**	Traffic White

Metals (Premium) for Accent Bar and End Cap only

BSS Brushed Stainless Steel



PSS Polished Stainless Steel

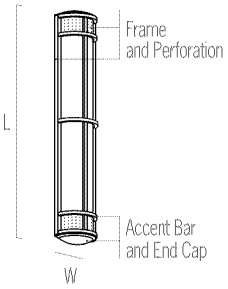


DIMENSIONS

Depth is measured from wall to front of fixture

L = Length D = Depth W = Width MC = Mounting Center

L	36-1/8"	(918 mm)
D	4"	(102 mm)
W	7-1/4"	(184 mm)
MC	18-1/8"	(460 mm)



Ⓔ OPTIONS (Multiple Selections Allowed)

⚠ Option availability may be interdependent with Voltage, Source or Other Options

HM Horizontal mount (vertical is standard)

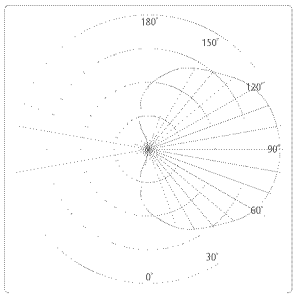
XPS Express 10 day shipping. Items marked with a bullet (•) are not available with XPS

ADA | XPS | LED | ETL Listed | 5 Year Warranty

OW1335 – AVATAR

VISA LIGHTING

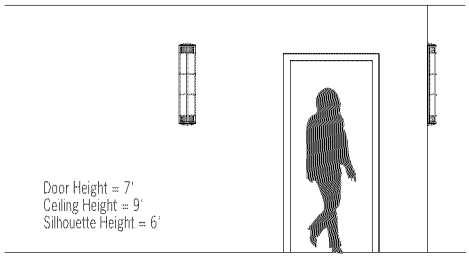
Photometrics



Technical Information

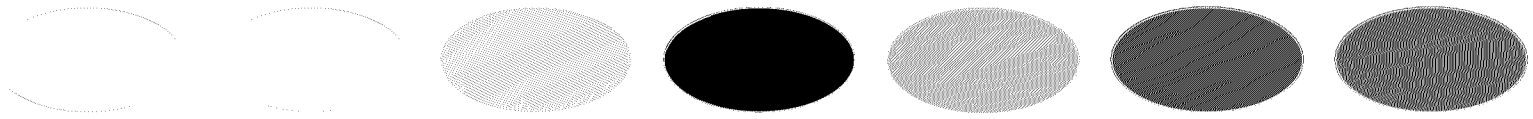
- Modular design for replacement of LED source and power supply
- Vertical mounting standard (horizontal mounting optional)
- Mounts to standard electrical junction box (by others) and wall with provided hardware
- Removable cam-action hinged frame for ease of maintenance
- Extruded aluminum backplate and center accent, die-cast end caps. Solid metal or die cast accent.
- Sealed and gasketed construction
- High impact white acrylic diffuser
  - F1 rated, UV stable
  - UL-94 HB Flame Class rated
- No VOC powder coat paint or stainless steel finish
- ETL listed for wet location mounting 4' above grade

Relative Scale Drawing

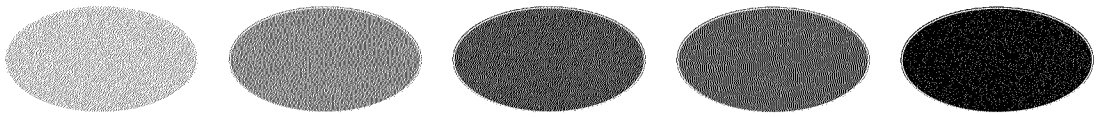


Specify color code when ordering. For accurate color matching, individual paint and finish samples are available upon request
For additional information see VisaLighting.com/materials-finishes

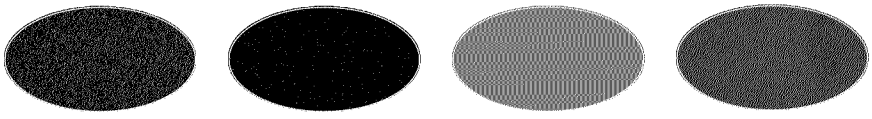
Painted Finishes (Standard)



TW9016 Traffic White (RAL9016)
CW9001 Cream (RAL9001)
GW9002 Grey White (RAL9002)
JB9005 Jet Black (RAL9005)
AG7038 Agate Grey (RAL7038)
HTHR Heather
CVBL Cove Blue



BSIL Blade Silver
GSIL Graphite Silver
GLIM Glimmer
SUNG Sungold
BRNZ Bronze



OBRZ Old Bronze
BMAT Bronze Matte
PB1035 Pearl Beige (RAL1035)
RUST Rust