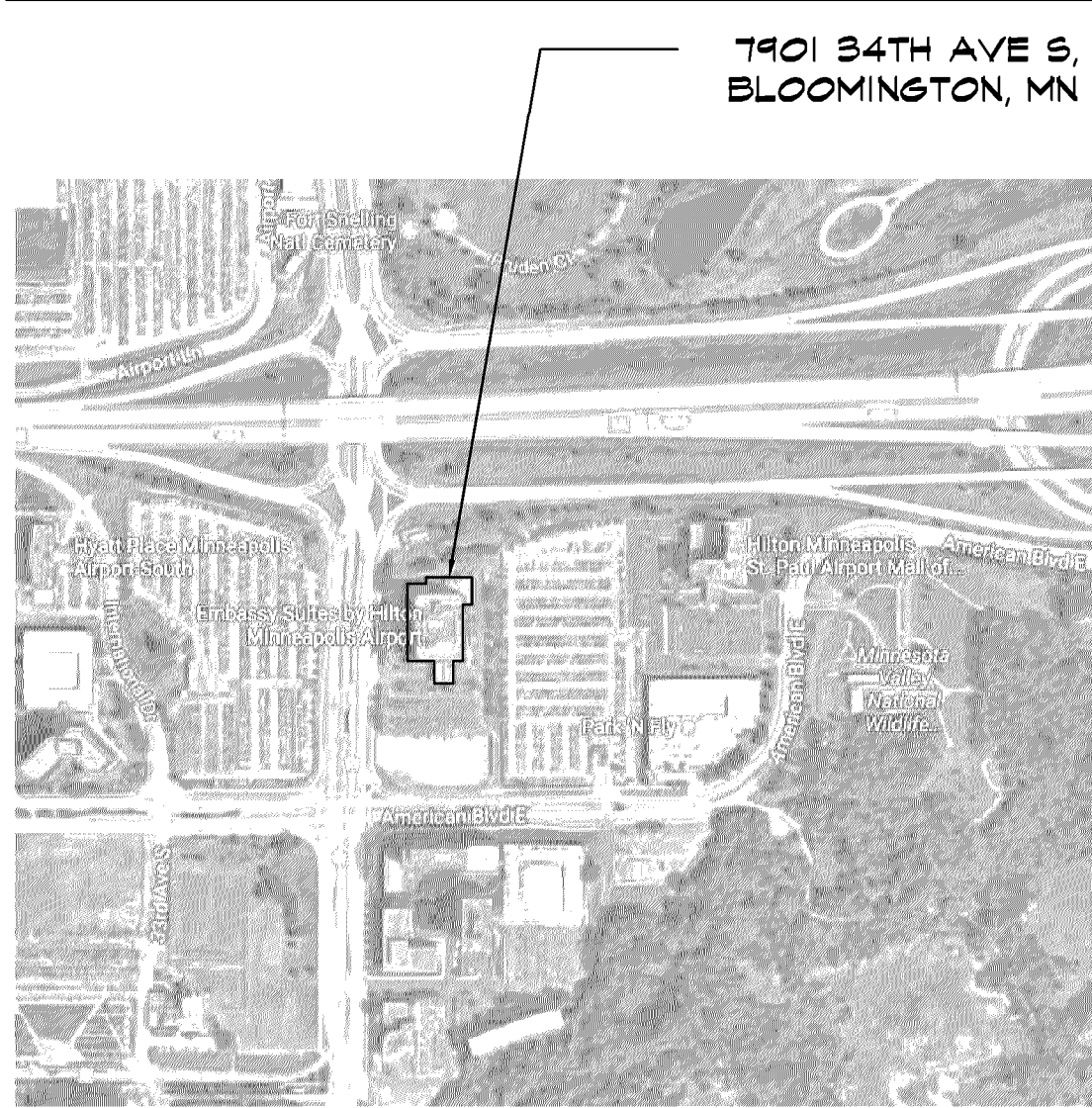


PL201700055
PL2017-55

EMBASSY SUITES
MINNEAPOLIS, MINNESOTA



PROJECT LOCATION



ZONING/CODE INFROMATION

- GOVERNING CODES**
- 2012 INTERNATIONAL BUILDING CODE (IBC)
 - 2015 MN STATE MECHANICAL CODE
 - 2016 MN STATE PLUMBING CODE
 - 2014 NATIONAL ELECTRICAL CODE
 - 2012 INTERNATIONAL FIRE CODE
 - 2012 INTL. ENERGY CONSERVATION CODE
- PROJECT SCOPE**
- CONVERT THE EXISTING GRAVEL PARKING LOT INTO AN ASPHALT PARKING LOT COMPLYING TO CODE.
 - THE NORTHERN SERVICE DRIVE HAS BE MODIFIED TO PROVIDE PROPER CLEARANCES.
 - THE ADDITION OF A SMALL PATIO OUTSIDE THE RESTAURANT ON THE EASTERN SIDE OF THE EXISTING HOTEL.
 - NEW SITE LIGHTING THROUGHOUT THE SITE, BRINGING THE ENTIER SITE UP TO CODE.
 - THE MAIN ENTRY FROM 34TH STREET HAS BEEN REVISED TO CODE.
 - THE HIKE AND BIKE TRAIL IS ADDED ALONG AMERICAN DRIVE.
 - LANDSCAPE HAS BEEN ADDED ALONG THE PERIMETER AND THE NEW PARKING LOT.

INDEX OF DRAWINGS

A100	COVER
SURVEY	BOUNDARY/TOPOGRAPHIC SURVEY PRELIMINARY PLAT FINAL PLAT.
CIVIL	DEMOLITION PLAN PAVING & DIMENSIONAL CONTROL GRADING PLAN PRE-DEVELOPED DRAINAGE AREA MAP POST-DEVELOPED DRAINAGE AREA MAP WATER PLAN STORM PLAN EROSION CONTROL PLAN CITY STANDARD WATER DETAILS CITY STANDARD STORM DETAILS PRIVATE PAVING DETAILS DETENTION DRAWINGS 1-6
LANDSCAPE	PLANED DEVELOPMENT SITE PLAN LANDSCAPE DEMO PLAN LANDSCAPE SITE PLAN LANDSCAPE PLANTING PLAN PLANT LIST & LANDSCAPE DETAILS
MEP	LIGHTING PHOTOMETRIC PLAN - MAINTAINED FOOT-CANDLES LIGHTING PHOTOMETRIC PLAN - INITIAL FOOT-CANDLES

PROJECT DIRECTORY:

- ARCHITECT**
RICHARD G. CARRELL ARCHITECTURE
5646 MILTON ST. SUITE 888
DALLAS, TX 75206
TEL: 214.953.0042
FAX: 214.953.0702
CONTACT: RICK CARRELL
- STRUCTURAL ENGINEERING**
RLG INC.
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DALLAS, TX 75231
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FAX: 214.739.6354
CONTACT: DAVID GOODSON
- CIVIL ENGINEERING**
RLG INC.
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CONTACT: JARED W. BRATZ
- MEP ENGINEERING**
BASHARKHAH ENGINEERING
10260 N. CENTRAL EXPRESSWAY, STE 220
DALLAS, TEXAS 75231
TEL: 214.659.9000
FAX: 214.659.9001
CONTACT: SAM BASHARKHAH

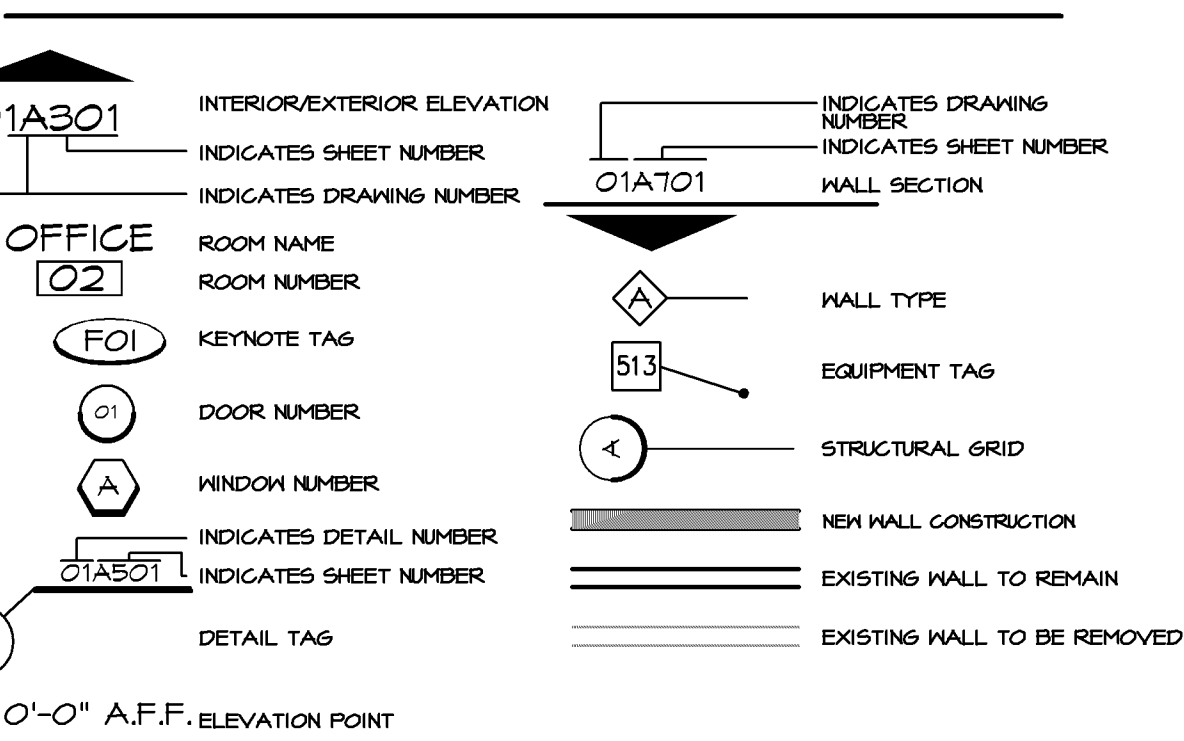
GENERAL NOTES

- THE CONTRACTOR SHALL VISIT THE PROJECT SITE TO FAMILIARIZE THEMSELVES WITH THE EXISTING CONDITIONS PRIOR TO BID.
- CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS PRIOR TO COMMENCEMENT OF THE WORK AND SHALL NOTIFY THE ARCHITECT OF ANY VARIATION FROM THE DIMENSIONS OR CONDITIONS NOTED ON ALL OF THE DOCUMENTS.
- CONTRACTOR SHALL NOT RELY ON ANY SCALED MEASUREMENTS ON THE DRAWING IN ABSENCE OF NOTED DIMENSIONS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MEANS AND METHODS OF CONSTRUCTION.
- THE CONTRACTOR IS REQUIRED TO SET UP TEMPORARY (OR PERMANENT) POWER FOR USE DURING CONSTRUCTION BEFORE CONSTRUCTION.
- THESE DOCUMENT SHALL CONSTITUTE AN INTEGRATED PROJECT. THE GENERAL CONTRACTOR AND ALL SUBCONTRACTORS ARE TO CONSIDER THE DOCUMENTS AS A WHOLE AND TO NOT RELY ON AN INDIVIDUAL SHEET AS THE SOLE LOCATION NECESSARY TO UNDERSTAND THE FULL SCOPE OF THE PROJECT.
- THESE DRAWINGS DO NOT NECESSARILY INDICATE OR DESCRIBE ALL WORK REQUIRED FOR FULL PERFORMANCE AND COMPLETION OF THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING, FITTING AND PATCHING THAT MAY BE REQUIRED TO COMPLETE THE WORK.
- CONTRACTOR SHALL PERFORM TOUCH-UP PAINTING AFTER INSTALLATION OF ITEMS BY OWNER.
- CONTRACTOR SHALL AT ALL TIMES KEEP THE PREMISES FREE FROM AN ACCUMULATION OF WASTE MATERIALS, OR RUBBISH CAUSED BY DEMOLITION, CONSTRUCTION AND OPERATIONS UNDER THE CONTRACT.
- CONTRACTOR SHALL PERFORM FINAL CLEANING OF THE ENTIRE BUILDING & SITE ON THE DAY OF TURNOVER.
- CONTRACTOR NEED TO CONFIRM TO TEST ALL EQUIPMENT FOR PROPER OPERATION.
- CONTRACTOR SHALL COORDINATE STAGING, DUMPSTER AND TEMPORARY FACILITIES WITH OWNER WITH PRIOR NOTIFICATION
- CONTRACTOR SHALL PROVIDE BARRIERS AND LOCK ELEVATOR AS REQUIRED TO SEPARATE WORK AREAS FROM PUBLIC WHILE MAINTAINING REQUIRED EXITS.

ABBREVIATIONS:

A.F.F.	ABOVE FINISH FLOOR	I.T.F.	INFORMATION TO FOLLOW
AMP.	AMPERE	L.T.W.T.	CONC.-LIGHT WEIGHT CONCRETE
CLG.	CEILING	MG.	MEDICINE CABINET
CL.OFNG	CLEAR OPENING	MIN.	MINIMUM
CMU	CONCRETE MASONRY UNIT	MFR.	MANUFACTURER
COL.	COLUMN	M.O.	MASONRY OPENING
CONC.	CONCRETE	MUL.	MULLION
CONTR.	CONTRACTOR	NA	NOT APPLICABLE
D.	DRYER	N.I.C.	NOT IN CONTRACT
DISP	DISPOSAL	N.T.S.	NOT TO SCALE
DR.	DOOR	O.C.	ON CENTER
DWG.	DRAWING	Q.T.	QUARRY TILE
ELEC.	ELECTRICAL	RCP	REFLECTED CEILING PLAN
ELEV.	ELEVATION	REQ'D	REQUIRED
EQ.	EQUAL	SECT.	SECTION
E.W.C.	ELECTRIC WATER COOLER	#S.	NUMBER OF SHELVES
EXIST.	EXISTING	S.C.	SOLID CORE
F.E.C.	FIRE EXTINGUISHER	S.R.	SHOE RACK
F.H.C.	FIRE HOSE CABINET	S.S.	STAINLESS STEEL
FIN.	FINISH	TAS	TEXAS ACCESSIBILITY STANDARD
GA.	GAUGE	TBD	TO BE DETERMINED
GL.	GLASS	TC	TOP OF CONCRETE
GYP.B.D	GYPSUM BOARD	TE & S	TOP EDGE & SPLASH
HA	HANDICAP ADAPTABLE	TF	TOP OF FRAMING
H.M.	HOLLOW METAL	TP	TOP OF PLATE
HRDW.	HARDWARE	U.N.O.	UNLESS NOTED OTHERWISE
HST.	HARD SURFACE TILE	V.C.T.	VINYL COMPOSITION TILE
HT.	HEIGHT	V.I.F.	VERIFY IN FIELD
H.V.A.C.	HEATING, VENTILATING & AIRCONDITIONING	V.	VOLT
		W.	WASHER
		W.	WITH

DRAWING SYMBOL LEGEND



PREPARED UNDER
THE SEAL OF
RICHARD CARRELL

ISSUED FOR DESIGN
REVIEW, NOT FOR
PERMITTING, OR
CONSTRUCTION



EMBASSY SUITES
7901 34TH AVE S, BLOOMINGTON, MN 55425
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■ PARTNERS
▼ & YOST
architecture

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DRAWN BY: DCM
CHECKED BY:
DATE: 9.22.2016
REVISIONS:
PROJECT NO: 17017
SHEET NO: A100

DESCRIPTION

Lot 1, Block 1, INTERNATIONAL AIRPORT PARK ADDITION, according to the recorded plat thereof, Hennepin County, Minnesota.

TOGETHER WITH

Outlot A, INTERNATIONAL AIRPORT PARK 3RD ADDITION, according to the recorded plat thereof, Hennepin County, Minnesota.

PROPERTY SUMMARY

- Subject property's addresses and property identification numbers are:
Lot 1, Block 1: 7901 34th Ave S
Outlot A: 3500 American Blvd E
06-027-23-21-0003
06-027-23-21-0008
- The gross area of the subject property is 6.775 Acres or 295,138 Square Feet. Areas of individual lots are:
Lot 1, Block 1: 4.970 Acres
Outlot A: 1.805 Acres
216,493 Square Feet
78,645 Square Feet
- The subject property is zoned HK-R, High Intensity Mixed Use with Residential, per City of Bloomington zoning map dated 01/24/2017.

BENCHMARKS

- The vertical datum is based on NAVD83. The originating bench marks are BERM and 2785 AV, both referenced from the MnDOT Geodetic Database.

BENCHMARK #1
Top nut of hydrant at northeast corner of property. Elev.=826.31
BENCHMARK #2
Top nut of hydrant at southwest corner of building on surveyed property. Elev.=825.90
BENCHMARK #3
Top nut of hydrant at south line of surveyed property. Elev.=819.32
BENCHMARK #4
Top nut of hydrant at southeast corner of surveyed property. Elev.=816.51

SURVEY NOTES

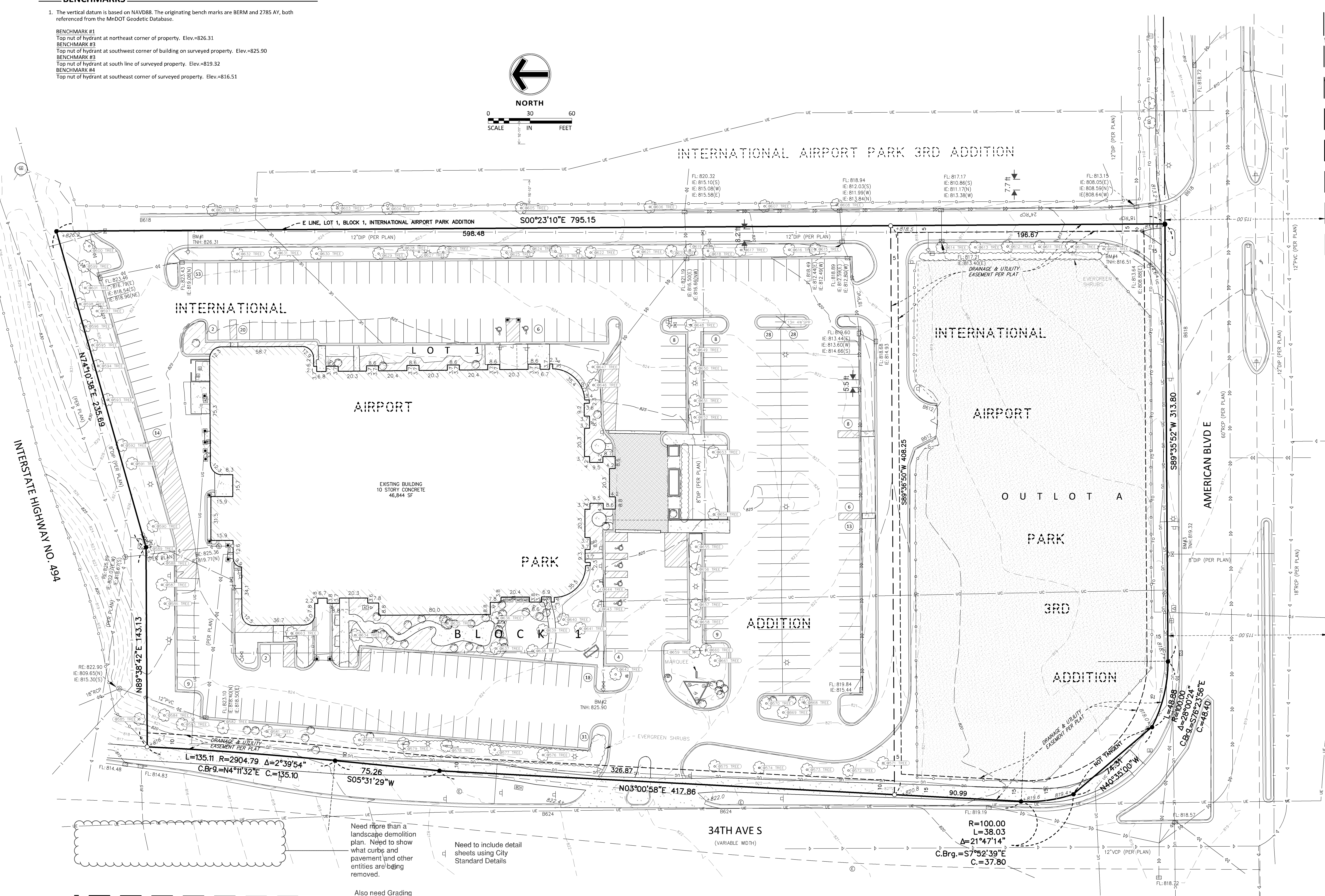
- The bearing system for this survey is based on the east line of Lot 1, Block 1, INTERNATIONAL AIRPORT PARK ADDITION having an assumed bearing of South 00 degrees 23 minutes 10 seconds East.
- This survey was prepared without the benefit of a title commitment or abstract and the surveyor has made no independent search for easements of record, encumbrances, restrictive covenants, ownership title evidence or any other facts that an accurate title search may disclose. Therefore, this survey may be revised by showing that which would be cited in a title commitment and then illustrated on the survey.
- A Gopher State One Call (GSOC) request was placed on 01/27/2017, under Ticket Number 170270554 for utility locations on this site. The underground utility locations, shown hereon, if any, are based upon locations from those utility providers that actually performed a locate as a result of this request. Utility suppliers often do not respond to these requests but may provide ambiguous maps, plans, and drawings in lieu of physical location. The surveyor makes no guarantee that the underground utilities shown comprise all such utilities in the area, either in service or abandoned. Utility information shown hereon, if any, is a compilation of this map information and those visible utilities that were located during the survey field work. The surveyor further does not warrant that the underground utilities shown hereon, if any, are in the exact location as indicated, although he does certify that they are located as accurately as possible from information available. The surveyor has not physically located the underground utilities. Pursuant to MS 236.D contact Gopher State One Call at (855-454-0003) prior to any excavation.
- Field work was completed on 02/13/2017.
- The building(s) and exterior dimensions of the outside wall at ground level are shown on the survey. It may not be the foundation wall.

PL201700055
PL2017-55

LEGEND

- FOUND MONUMENT
- SET MONUMENT
- MAINED LS 21729
- GATE VALVE / HYDRANT
- SANITARY MANHOLE
- CLEAN OUT
- STORM MANHOLE
- STORM CATCH BASIN
- TRANSFORMER
- LIGHT
- GROUND LIGHT
- GUARD POST
- SIGN
- GAS METER
- ELECTRIC MANHOLE
- ELECTRIC METER
- TELEPHONE PEDESTAL
- FLAG POLE
- BOUNDARY LINE
- RIGHT-OF-WAY LINE
- UNDERLYING / ADJACENT LOT
- SECTION LINE
- DEED DISTANCE
- WATERMAIN
- SANITARY SEWER
- STORM SEWER
- UNDERGROUND ELECTRIC
- UNDERGROUND GAS
- OVERHEAD ELECTRICAL WIRE
- CHAIN LINK FENCE
- WOOD FENCE
- RETAINING WALL
- SPOT ELEVATION
- CONTOUR
- EASEMENT LINE
- TREE LINE
- CONCRETE CURB
- BUILDING LINE
- BUILDING CANOPY
- BITUMINOUS SURFACE
- CONCRETE SURFACE
- BRICK PAVEMENT SURFACE
- LANDSCAPE MULCH SURFACE
- GRAVEL SURFACE
- NO PARKING SURFACE
- DECIDUOUS TREE
- CONIFEROUS TREE
- SHRUB
- REGULAR PARKING
- STALL COUNT

VICINITY MAP



Tree Tag List		
Tree Number	Size	Tree Name
568	4	Spruce - Colorado (Picea pungens)
569	4	Spruce - Colorado (Picea pungens)
570	4	Spruce - Colorado (Picea pungens)
571	15	Pine - Red (Pinus resinosa)
572	13	Locust - Honey (Gleditsia tricanthos)
573	9	Locust - Honey (Gleditsia tricanthos)
574	9	Locust - Honey (Gleditsia tricanthos)
575	9	Locust - Honey (Gleditsia tricanthos)
576	13	Locust - Honey (Gleditsia tricanthos)
577	12	Locust - Honey (Gleditsia tricanthos)
578	12	Locust - Honey (Gleditsia tricanthos)
579	13	Locust - Honey (Gleditsia tricanthos)
580	14	Locust - Honey (Gleditsia tricanthos)
581	21	Locust - Honey (Gleditsia tricanthos)
582	20	Locust - Honey (Gleditsia tricanthos)
583	24	Pine - Red (Pinus resinosa)
584	13	Pine - Red (Pinus resinosa)
585	16	Pine - Red (Pinus resinosa)
586	11	Pine - Red (Pinus resinosa)
587	12	Pine - Red (Pinus resinosa)
588	12	Pine - Red (Pinus resinosa)
589	14	Pine - Red (Pinus resinosa)
590	20	Basewood (Tilia americana)
591	11	Crook Apple (Malus spp.)
592	13	Crook Apple (Malus spp.)
593	22	Ash - Green (Fraxinus pennsylvanica)
594	13	Pine - Red (Pinus resinosa)
595	12	Pine - Red (Pinus resinosa)
596	12	Pine - Red (Pinus resinosa)
597	15	Pine - Red (Pinus resinosa)
598	13	Pine - Red (Pinus resinosa)
599	14	Pine - Red (Pinus resinosa)
600	13	Pine - Red (Pinus resinosa)
601	20	Basewood (Tilia americana)
602	6	Aspen - Quaking (Populus tremuloides)
603	5	Aspen - Quaking (Populus tremuloides)
604	6	Aspen - Quaking (Populus tremuloides)
605	10	Aspen - Quaking (Populus tremuloides)
606	6	Aspen - Quaking (Populus tremuloides)
607	4	Aspen - Quaking (Populus tremuloides)
608	7	Aspen - Quaking (Populus tremuloides)
609	5	Maple - Red (Acer rubrum)
610	5	Maple - Red (Acer rubrum)
611	5	Maple - Red (Acer rubrum)
612	6	Maple - Red (Acer rubrum)
613	6	Maple - Red (Acer rubrum)
614	5	Maple - Red (Acer rubrum)
615	13	Basewood (Tilia americana)
616	7	Maple - Amur (Acer ginnale)
617	13	Ash - Green (Fraxinus pennsylvanica)
618	4	Crook Apple (Malus spp.)
619	14	Pine - Red (Pinus resinosa)
620	14	Pine - Red (Pinus resinosa)
621	14	Pine - Red (Pinus resinosa)
622	8	Crook Apple (Malus spp.)
623	15	Pine - Red (Pinus resinosa)
624	14	Basewood (Tilia americana)
625	13	Basewood (Tilia americana)
626	12	Pine - Red (Pinus resinosa)
627	10	Pine - Red (Pinus resinosa)
628	11	Pine - Red (Pinus resinosa)
629	11	Pine - Red (Pinus resinosa)
630	13	Ash - Green (Fraxinus pennsylvanica)
631	13	Ash - Green (Fraxinus pennsylvanica)
632	7	Maple - Amur (Acer ginnale)
633	21	Pine - Red (Pinus resinosa)
634	16	Ash - Green (Fraxinus pennsylvanica)
635	6	Spruce - Colorado (Picea pungens)
636	5	Spruce - Colorado (Picea pungens)
637	11	Locust - Honey (Gleditsia tricanthos)
638	11	Locust - Honey (Gleditsia tricanthos)
639	13	Pine - Red (Pinus resinosa)
640	16	Pine - Red (Pinus resinosa)
641	16	Pine - Red (Pinus resinosa)
642	8	Locust - Honey (Gleditsia tricanthos)
643	3	Crook Apple (Malus spp.)
644	3	Crook Apple (Malus spp.)
645	8	Crook Apple (Malus spp.)
646	7	Crook Apple (Malus spp.)
647	5	Crook Apple (Malus spp.)
648	19	Pine - Red (Pinus resinosa)
649	2	Maple - Amur (Acer ginnale)
650	4	Maple - Amur (Acer ginnale)
651	3	Maple - Amur (Acer ginnale)
652	3	Maple - Amur (Acer ginnale)
653	14	Basewood (Tilia americana)
654	13	Basewood (Tilia americana)
655	4	Maple - Amur (Acer ginnale)
656	4	Maple - Amur (Acer ginnale)
657	3	Maple - Amur (Acer ginnale)
658	3	Maple - Amur (Acer ginnale)
659	6	Spruce - Colorado (Picea pungens)
660	4	Spruce - Colorado (Picea pungens)
661	10	Spruce - Colorado (Picea pungens)

Client
**CARRELL
PARTNERS &
YOST
ARCHITECTS**

Project
**EMBASSY
SUITES
BLOOMINGTON**

Location
**BLOOMINGTON,
MN**
7901 34TH AVE S

Certification
I hereby certify that this survey, plan or report was prepared by me or under my direct supervision and that I am a duly licensed LAND SURVEYOR under the laws of the State of Minnesota.

Rick M. Blom
Rick M. Blom
Registration No. 21729 Date: 02/14/2017
If applicable, contact us for a wet signed copy of this survey which is available upon request at Sambatek's, Minnetonka, MN office.

Summary
Designed: Drawn: DL
Approved: RMB Book / Page: 1257/33
Phase: Initial issued: 02/14/2017

Revision History
No. Date By Submittal / Revision

Sheet Title
**BOUNDARY &
TOPOGRAPHICAL
SURVEY**

Sheet No. Revision
1/1

Project No. 20697

PL201700055
PL2017-55

RAYMOND L. GOODSON JR., INC.
CONSULTING ENGINEERS
5601 BRIDGE ST., SUITE 420,
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E-MAIL: rlg@rlginc.com FIRM REG: F-493

RLG

PROFESSIONAL ENGINEER
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 Professional Engineer under the laws of the State of Minnesota.
Print Name: MICHAEL J. McLAREN
Signature: *[Signature]*
Date: 5/23/17 License #: 42897



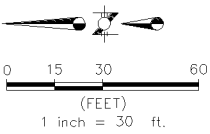
EMBASSY SUITES
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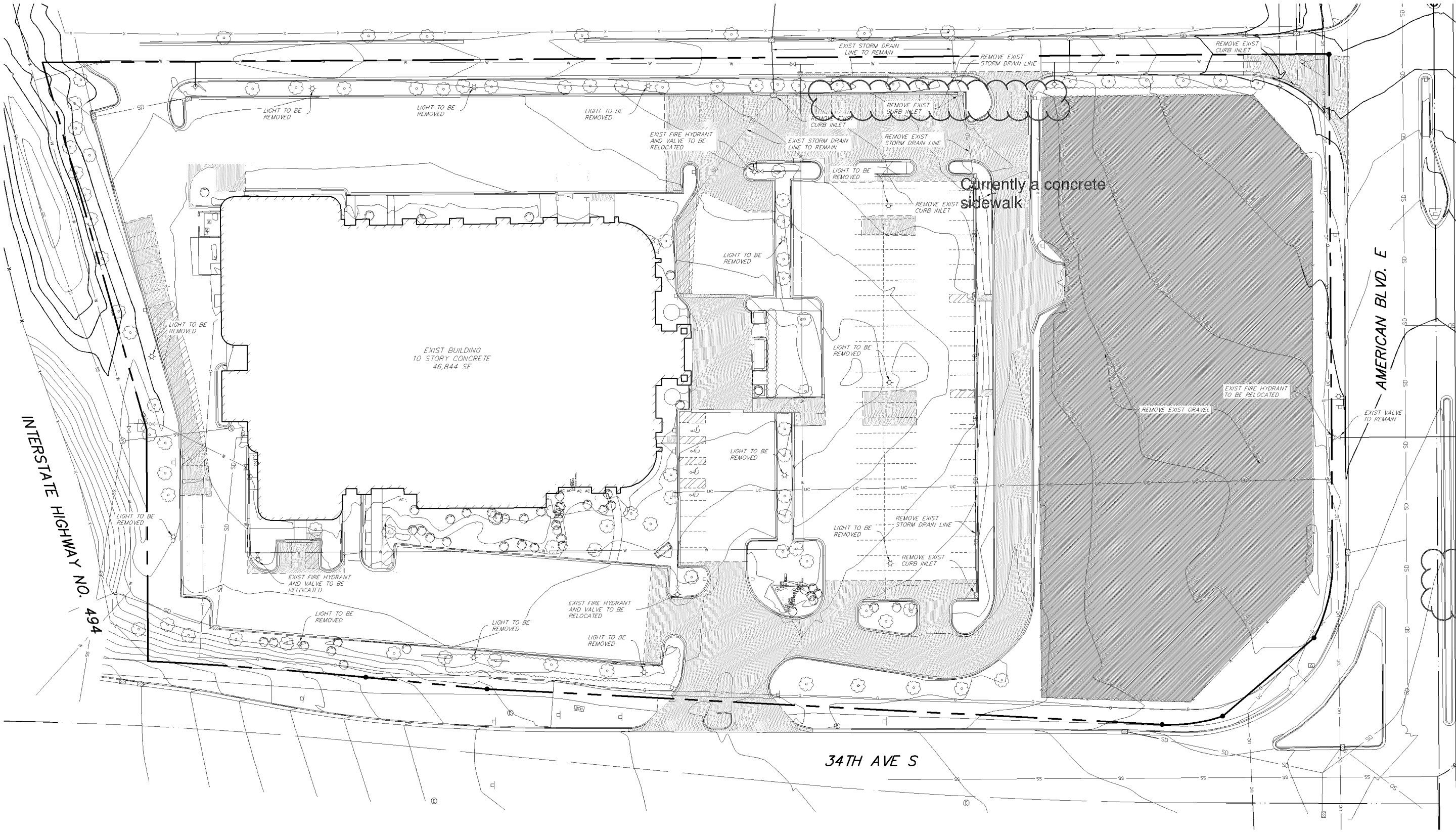
DRAWN BY:	RLG
CHECKED BY:	RLG
DATE:	05/23/17
REVISIONS:	
PROJECT NO:	
SHEET NO:	C1.00

LEGEND

- LIMITS OF PAVEMENT REMOVAL
- LIMITS OF GRAVEL REMOVAL
- LIMITS OF PAVEMENT SAWCUT
- REMOVE EXISTING TREES
- EXISTING PARKING SPACES



NOTES:
1. SEE L201 FOR TREE REMOVAL



DEMOLITION PLAN

PL201700055
PL2017-55

LEGEND



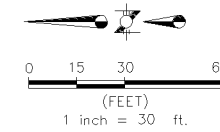
INSTALL 5" ASPHALT

INSTALL 8" CONCRETE

INSTALL 4" CONCRETE

PROPOSED CURB

LIMITS OF PAVEMENT SAWCUT



RLG

RAYMOND L. GOODSON JR., INC.
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PROFESSIONAL ENGINEER

PROFESSIONAL ENGINEER
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 Professional Engineer under the laws of the State of Minnesota.

Print Name: MICHAEL J. McLAREN

Signature: [Signature]

Date 5/23/17 License # 42897



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LONG-NG TR. 31

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AWN BY: *RLG*

HECKED BY: *RLG*

TR: 05/23/17

VISIONS:

PROJECT NO.:

LET NÖ:

C2.00

PAVING AND DIMENSIONAL CONTROL

PROJECT NO.:

LET NÖ:

C2.00

PL201700055
PL2017-55

LEGEND



PROFESSIONAL ENGINEER
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 Professional Engineer under the laws of the State of Minnesota.

Print Name: MICHAEL J. McLAREN
Signature: 
Date 5/23/17 License # 42897



A tree is required in every parking lot island. Add at least one deciduous tree to the south parking lot island along 34th Avenue South.

EMBASSY
7901 34TH AVE S, BLOOMING
A I R P O R T
MINNEAPOLIS, M

● CARRELL
■ PARTNERS
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AWN BY: *RLG*

REVIEWED BY: *RLG*

05/23/17

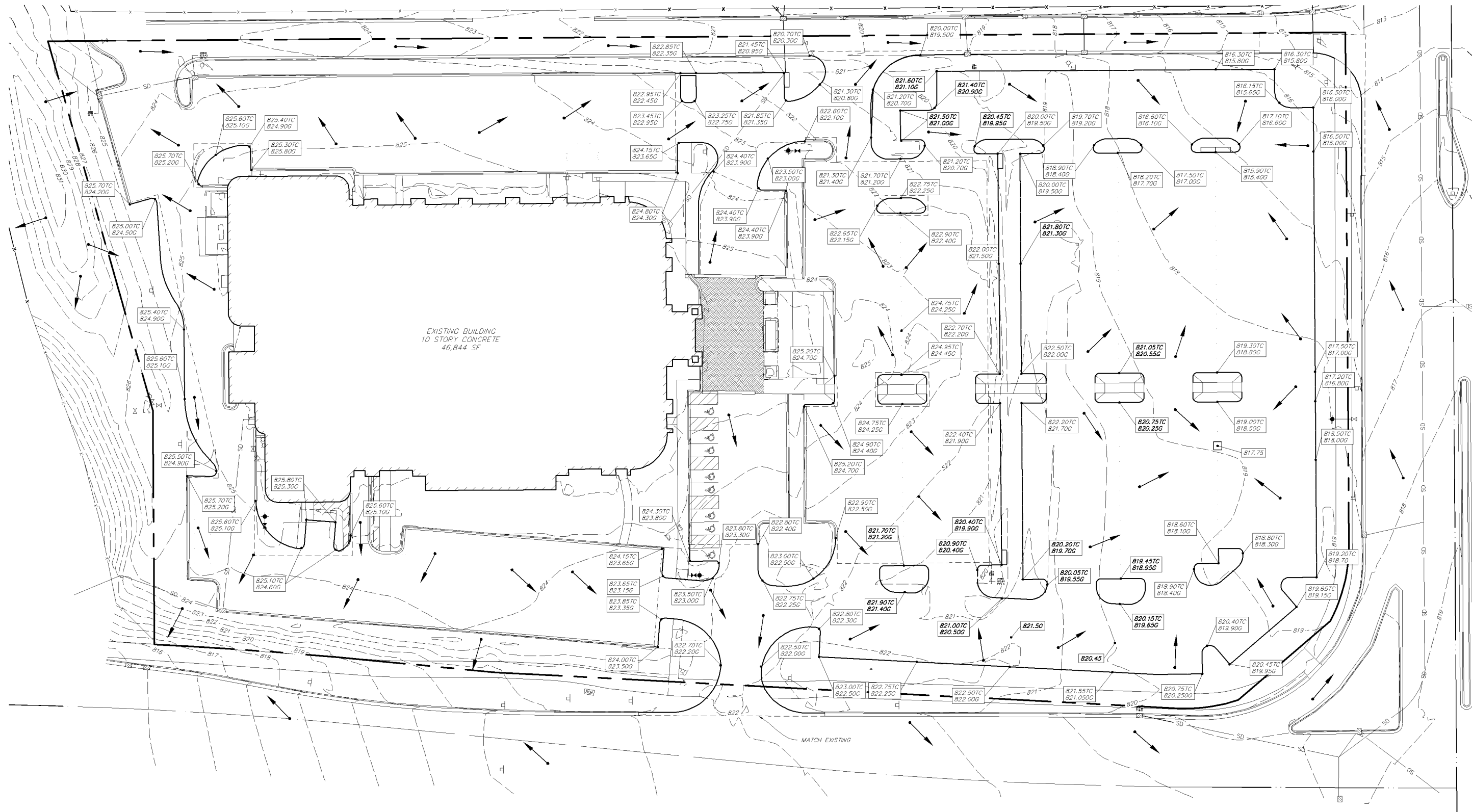
VISIONS:

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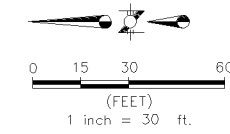
GRADING PLAN



PL201700055
PL2017-55

LEGEND

 **PROPOSED CONTOUR LINE**
 **EXISTING CONTOUR LINE**
 **DRAINAGE DIVIDE LINE**
 **FLOW ARROW**
 **DRAINAGE AREA NUMBER**
 **AREA (TYP)**



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PROFESSIONAL ENGINEER
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Print Name: MICHAEL J. McLAREN
Signature: 
Date 5/23/17 License # 42897



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AWN BY: *RLG*

HECKED BY: *RLG*

TH: 05/23/17

VISIONS:

OBJECT NO.:

LET NO.: _____

C4.00

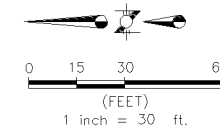
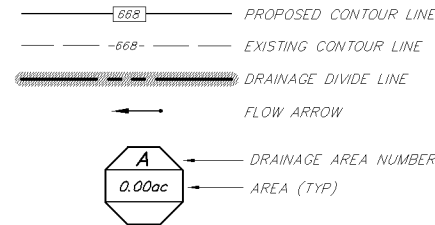
PRE-DEVELOPED
DRAINAGE AREA MAP

LET NO.:
C4.00

PL201700055

PL2017-55

LEGEND



RAYMOND L. GOODSON JR., INC.
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FORT WORTH, TEXAS 76112 817/687-0080
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State of Minnesota.
Print Name: MICHAEL J. McLAREN
Signature: *[Signature]*
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EMBASSY SUMMIT
7901 34TH AVE S, BLOOMINGTON, MN 55425
AIRPORT SOUTH
MINNEAPOLIS, MINNESOTA

● CARRELL
■ PARTNERS
▼ & YOST
ARCHITECTURE

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Suite 808
Dallas, Texas 75206
314.463.6042
ay@ayarch.com
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DRAWN BY: RLG
CHECKED BY: RLG
DATE: 05/23/17
REVISIONS:

PROJECT NO:

SHEET NO:
C4.01

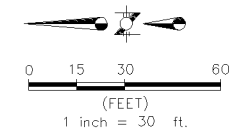
Add pavement hatch to legend

POST-DEVELOPED
DRAINAGE AREA MAP

PL201700055
PL2017-55

LEGEND

	EXISTING WATER LINE
	PROPOSED WATER LINE
	EXISTING WATER VALVE
	EXISTING FIRE HYDRANT
	PROPOSED WATER VALVE
	PROPOSED FIRE HYDRANT



PROFESSIONAL ENGINEER
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 Professional Engineer under the laws of the State of Minnesota.

Print Name: MICHAEL J. McLAREN

Signature: 

Date 5/23/17 License # 42897



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AWN BY: *RLG*

HECKED BY: *RLG*

05/23/17

VISIONS:

OBJECT NO.:

LET NÓ:

WATER PLAN

C5.00

Storm Frequency	100 Year (1%)
Duration	24-hour
Rainfall (in)	7.5

RAYMOND L. GOODSON JR., INC.
CONSULTING ENGINEERS
5601 BRIDGE ST., SUITE 420,
FORT WORTH, TEXAS 76112 817/687-0080
E-MAIL: rlg@rlginc.com FIRM REG: F-493

Proposed Conditions (100-year storm)	Area (#ft ²)	% of Total Area	Rating	CN	Weighted Curve Number	% Impervious	Weighted %
Open Space: Good Condition	8727.0	0.03	A	30	1.2	0	0.0
Paved	27400.0	0.09	A	98	9.1	85	7.9
Open Space: Good Condition	53973.0	0.18	B	61	11.1	0	0.0
Paved	205200.0	0.69	B	98	68.1	85	59.1
Total:		295,300.0			89.5		67.0
Direct Runoff	P (in)	S	0.2" S	0.6" S			

Q = 7.50 1.17 0.23 0.94

Q (in) = 6.25

Q (ft) = 0.521

LEGEND

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Print Name: MICHAEL J. McLAREN
Signature: 
Date 5/23/17 License # 42897

FELCOR
LOGGING TOOLS




**CARRELL
PARTNERS
& YOST**
 architecture

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DATE:	05/23/17
REVISIONS:	

PROJECT NO.:
SHEET NO.:
C6.00

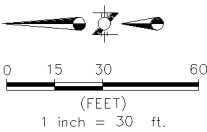
PL201700055
PL2017-55

STORM PLAN

PL201700055
PL2017-55

LEGEND

- INSTALL INLET PROTECTION
- INSTALL SILT FENCE
- ORGANIC FILTER TUBE
- EXISTING CONTOUR LINE
- PROPOSED CONTOUR LINE
- INSTALL 50' TEMPORARY CONSTRUCTION ENTRANCE



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FORT WORTH, TEXAS 76112 817/687-0080
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PROFESSIONAL ENGINEER
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 Professional Engineer under the laws of the State of Minnesota.
Print Name: MICHAEL J. McLAREN
Signature: [Signature]
Date: 5/23/17 License #: 42897



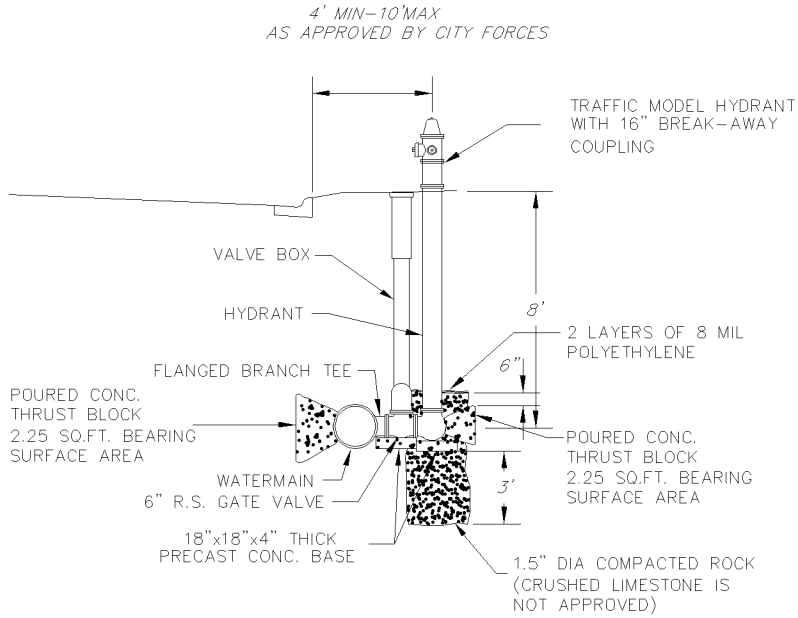
EMBASSY SUITES
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www.ayyarch.com

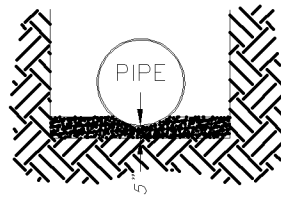
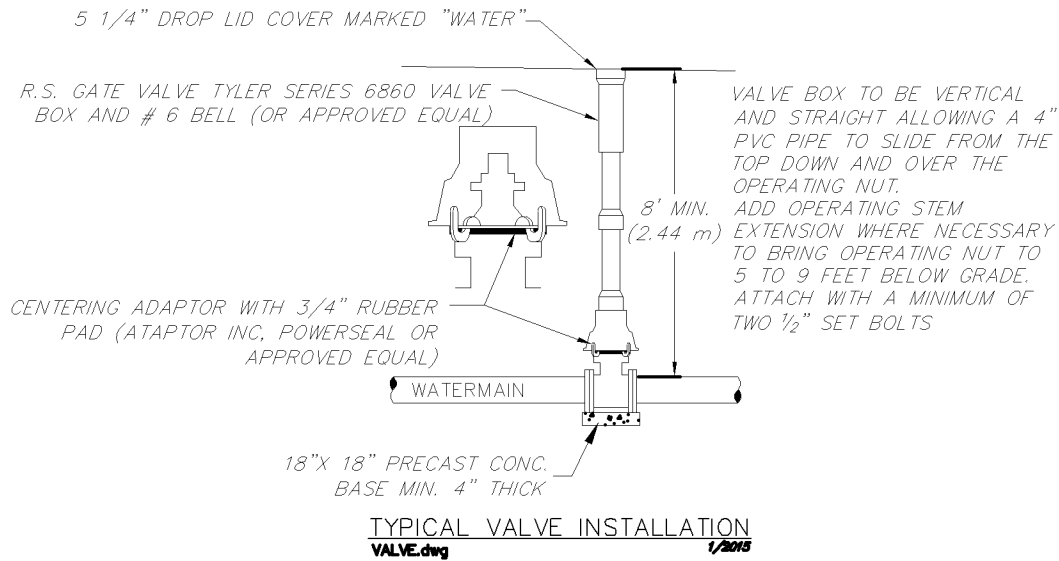
DRAWN BY:	RLG
CHECKED BY:	RLG
DATE:	05/23/17
REVISIONS:	
PROJECT NO:	
SHEET NO:	C7.00

PL201700055
PL2017-55 • HYD
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- HYDRANT TO BE:
 - WATEROUS CLASSIC PACER.
 - MUELLER SUPER CENTURION 250 MODEL A-423.
 - OR APPROVED EQUAL.
- EQUIP WITH THREE HOSE NOZZLES/CONNECTIONS AS FOLLOWS:
 - ONE – FACTORY INSTALLED 5 INCH STORZ PUMPER NOZZLE/CONNECTOR, INCLUDING A MANUFACTURER SUPPLIED AND INSTALLED ANODIZED ALUMINUM NOZZLE CAP WITH A 1.5 INCH PENTAGON NUT AND NO ROCKER LUG.
 - TWO – 2.5 INCH HOSE NOZZLES/CONNECTIONS (WITH NATIONAL STANDARD THREADS) AND STANDARD NOZZLE CAPS WITH 1.5 INCH PENTAGON NUTS, AND NO ROCKER LUGS.
- USE SS NUTS AND BOLTS AS APPROVED BY THE ENGINEER.
- ALL EXPOSED WATERMAIN SHALL BE WRAPPED WITH POLYETHYLENE IN ACCORDANCE WITH AWWA C-105.
- BARREL TO BE BRIGHT RED.
- ALL VALVES TO OPEN COUNTER-CLOCKWISE.
- SEE TYPICAL VALVE INSTALLATION DETAIL FOR VALVE.
- WATEROUS PACER CLASSIC HYDRANTS SHALL INCLUDE
INSTALLATION OF THE MANUFACTURERS MOST CURRENT
ANTI-CHATTER BRASS UPPER VALVE WASHER.



CLOSE COUPLED HYDRANT INSTALLATION
CLS-COUP_HYD_INST.dwg 1/2016



PIPE BEDDED IN GRANULAR BEDDING
TO DEPTH OF 5 INCHES. BACKFILL
COMPACTED TO FINISHED GRADE.

PIPE BEDDING DETAIL
PIPE-BED.DWG 4/2000

Provide details, elevations, location of building, and location of structure to be demolished. I hereby certify that this is a true, specification of the project and that I am duly licensed to perform this work under the direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

Print Name: MICHAEL J. McLAREN
Signature: Michael J. McLaren
Date: 10/1/2018

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DRAWN BY: *RLG*

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DATE: 05/23/17

REVISIONS:

PROJECT NO.:

SHEET NO.:

C8.00

CITY STD
WATER DETAILS

SHEET NO.:
C8.00

ADJUSTING RINGS

- SHALL BE PRECAST, 2" (51mm) THICK, AND REINFORCED WITH 8 GAUGE STEEL WIRE.
- SET EACH RING IN A FULL BED OF MORTAR.
- TOTAL ADJUSTMENT HEIGHT SHALL BE BETWEEN 6" (152mm) AND 12" (305mm).

36" (914 mm)

24" (610 mm)

5" (127mm) PRECAST REINFORCED CONCRETE

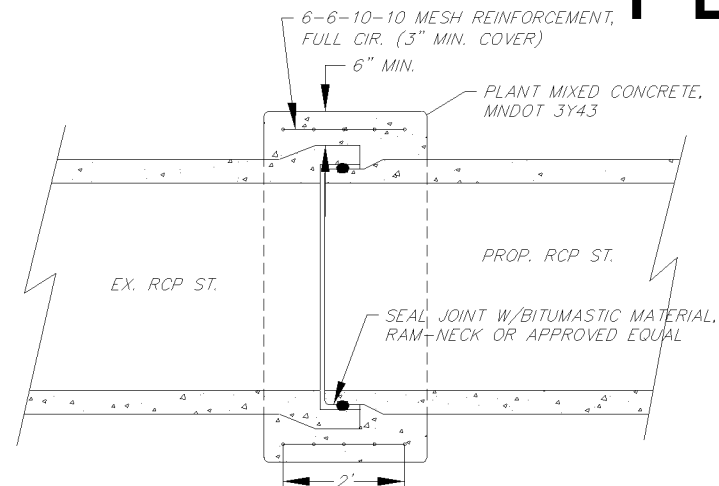
8" (203 mm)

OPENINGS AS NEEDED

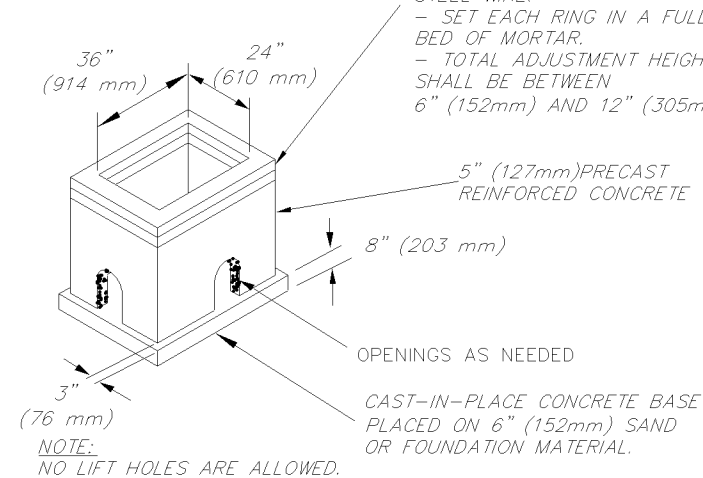
3" (76 mm)

CAST-IN-PLACE CONCRETE BASE PLACED ON 6" (152mm) SAND OR FOUNDATION MATERIAL.

NOTE:
NO LIFT HOLES ARE ALLOWED.



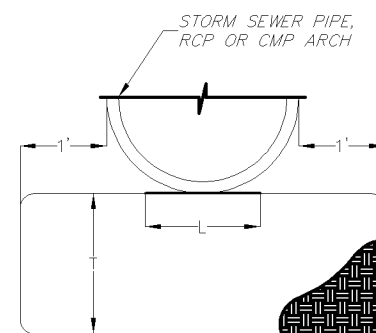
STANDARD CONSTRUCTION JOINT
STD_CONST_JOINT.DWG 4/2009



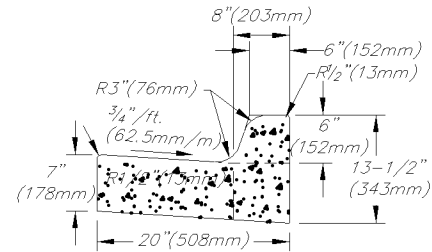
STANDARD CATCH BASIN
STD_CB.DWG 1/2013

PIPE DIA.	L	T
15"	1'	2'
21"	1'	2'
103" ARCH	3'	3'

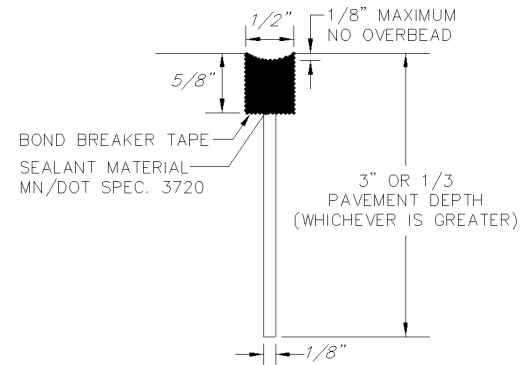
NOTE:
OVERLAP FABRIC "L" FEET
UNDER CENTER OF PIPE,
SEE TABLE ABOVE.



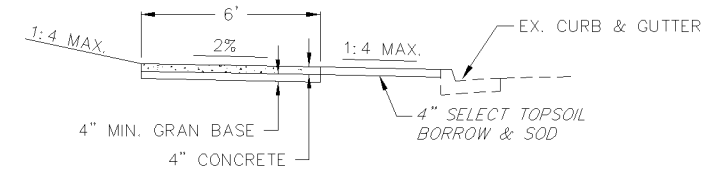
TYPE II GEOTEXTILE FABRIC (PER MNDOT 3733)
SURROUNDING FOUNDATION MATERIAL
SPECIAL PIPE BEDDING
~~STD PIPE BEDDING SPECIAL.DWG~~ 4/2009



B612 STANDARD CURB & GUTTER
B612_C&G.dwg 4/2009

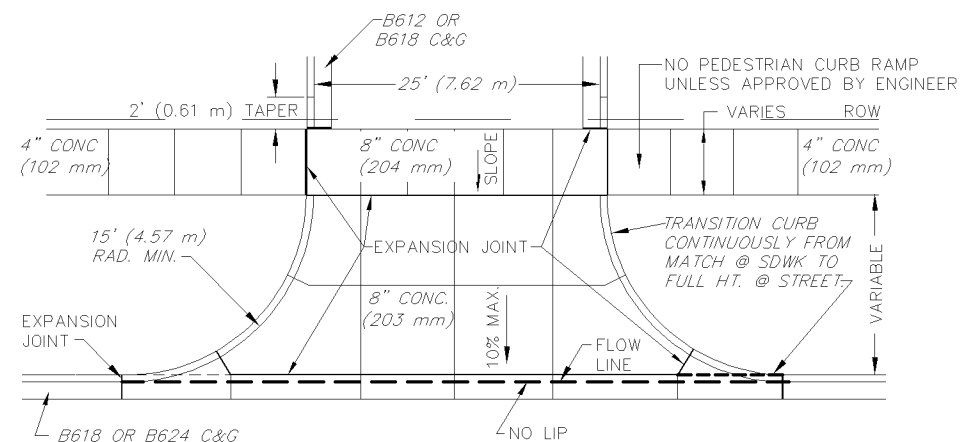


TYPICAL SAWED/SEALED JOINT
SAW_SEALJOINT.DWG 4/2009

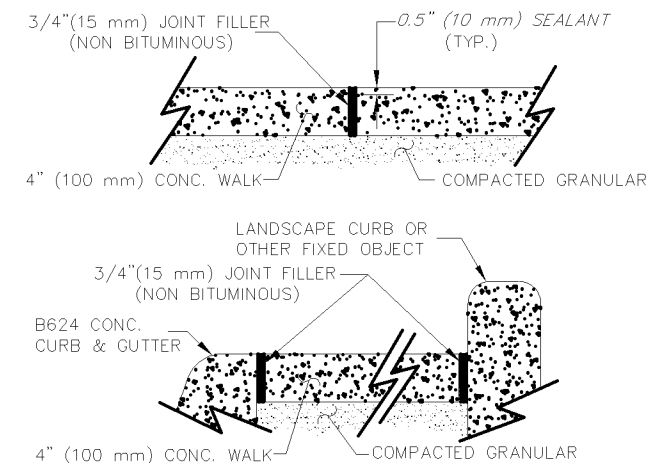


TYPICAL SIDEWALK INSTALLATION
TYP_CONC_WALK.dwg 11/2012

- EACH DRIVEWAY PANEL NOT TO EXCEED 100 SF (9.29 m2).
- REINFORCEMENT BARS OR WELDED WIRE FABRIC (STEEL MESH) ARE NOT ALLOWED IN THE RIGHT-OF-WAY.
- CLASS 5 AGGREGATE BASE REQUIRED UNDER CURB AND GUTTER.
- IF PRESENT, STREET LIGHT, SIGNAL AND INTERCONNECT CONDUIT OR DIRECT BURIED STREET LIGHT WIRING MUST BE EXPOSED FOR INSPECTION PRIOR TO POUR



NONRESIDENTIAL DRIVEWAY APPROACH
WITH BOULEVARD SIDEWALK
DRWY.COM.org **4/2008**



EXPANSION JOINT DETAIL
EXP-JNT.dwg 4/2009

8" 4,000 PSI CONCRETE W/
#3 BARS @ 18" O.C.E.W.
CONTRACTOR SHALL REFER TO
GEOTECHNICAL REPORT FOR
PAVEMENT MIX DESIGN.

T/2

MIN 4" GRANULAR BASE
PREPARED IN ACCORDANCE
WITH GEOTECHNICAL REPORT

5" ACC PAVEMENT PREPARED IN ACCORDANCE WITH GEOTECHNICAL REPORT.

MIN 8" GRANULAR BASE PREPARED IN ACCORDANCE WITH GEOTECHNICAL REPORT.

TYPICAL ASPHALT PAVING SECTION
NTS



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PROFESSIONAL ENGINEER
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Signature: 
Date 5/23/17 License # 42897

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DRAWN BY: *RLG*

CHECKED BY: *RLG*

DATE: 05/23/17

REVISIONS:

[illegible]

PROJECT NO.: _____

HEET NÖ.:

PRIVATE PAVING DETAILS

HEET NO.:
C8.03

PL201700055
PL2017-55



Embassy Suites - International Airport

Bloomington, MN

STORMTECH CHAMBER SPECIFICATIONS

1. CHAMBERS SHALL BE STORMTECH MC-4500 OR APPROVED EQUAL.
2. CHAMBERS SHALL BE MANUFACTURED FROM VIRGIN, IMPACT-MODIFIED POLYPROPYLENE COPOLYMERS.
3. CHAMBER ROWS SHALL PROVIDE CONTINUOUS, UNOBSTRUCTED INTERNAL SPACE WITH NO INTERNAL SUPPORT PANELS THAT WOULD IMPEDE FLOW OR LIMIT ACCESS FOR INSPECTION.
4. THE STRUCTURAL DESIGN OF THE CHAMBERS, THE STRUCTURAL BACKFILL, AND THE INSTALLATION REQUIREMENTS SHALL ENSURE THAT THE LOAD FACTORS SPECIFIED IN THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, SECTION 12.12, ARE MET FOR: 1) LONG-DURATION DEAD LOADS AND 2) SHORT-DURATION LIVE LOADS, BASED ON THE AASHTO DESIGN TRUCK WITH CONSIDERATION FOR IMPACT AND MULTIPLE VEHICLE PRESENCES.
5. CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2418, "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
6. CHAMBERS SHALL BE DESIGNED AND ALLOWABLE LOADS DETERMINED IN ACCORDANCE WITH ASTM F2787, "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
7. ONLY CHAMBERS THAT ARE APPROVED BY THE SITE DESIGN ENGINEER WILL BE ALLOWED. THE CHAMBER MANUFACTURER SHALL SUBMIT THE FOLLOWING UPON REQUEST TO THE SITE DESIGN ENGINEER FOR APPROVAL BEFORE DELIVERING CHAMBERS TO THE PROJECT SITE:
 - a. A STRUCTURAL EVALUATION SEALED BY A REGISTERED PROFESSIONAL ENGINEER THAT DEMONSTRATES THAT THE SAFETY FACTORS ARE GREATER THAN OR EQUAL TO 1.95 FOR DEAD LOAD AND 1.75 FOR LIVE LOAD, THE MINIMUM REQUIRED BY ASTM F2787 AND BY AASHTO FOR THERMOPLASTIC PIPE.
 - b. A STRUCTURAL EVALUATION SEALED BY A REGISTERED PROFESSIONAL ENGINEER THAT DEMONSTRATES THAT THE LOAD FACTORS SPECIFIED IN THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, SECTION 12.12, ARE MET. THE 50 YEAR CREEP MODULUS DATA SPECIFIED IN ASTM F2418 MUST BE USED AS PART OF THE AASHTO STRUCTURAL EVALUATION TO VERIFY LONG-TERM PERFORMANCE.
 - c. STRUCTURAL CROSS SECTION DETAIL ON WHICH THE STRUCTURAL EVALUATION IS BASED.
8. CHAMBERS AND END CAPS SHALL BE PRODUCED AT AN ISO 9001 CERTIFIED MANUFACTURING FACILITY.

IMPORTANT - NOTES FOR THE BIDDING AND INSTALLATION OF MC-4500 CHAMBER SYSTEM

1. STORMTECH MC-4500 CHAMBERS SHALL NOT BE INSTALLED UNTIL THE MANUFACTURER'S REPRESENTATIVE HAS COMPLETED A PRE-CONSTRUCTION MEETING WITH THE INSTALLERS.
2. STORMTECH MC-4500 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH MC-3500/MC-4500 CONSTRUCTION GUIDE".
3. CHAMBERS ARE NOT TO BE BACKFILLED WITH A DOZER OR EXCAVATOR SITUATED OVER THE CHAMBERS.

STORMTECH RECOMMENDS 3 BACKFILL METHODS:
 - STONESHOOTER LOCATED OFF THE CHAMBER BED.
 - BACKFILL AS ROWS ARE BUILT USING AN EXCAVATOR ON THE FOUNDATION STONE OR SUBGRADE.
 - BACKFILL FROM OUTSIDE THE EXCAVATION USING A LONG BOOM HOE OR EXCAVATOR.
4. THE FOUNDATION STONE SHALL BE LEVELED AND COMPACTED PRIOR TO PLACING CHAMBERS.
5. JOINTS BETWEEN CHAMBERS SHALL BE PROPERLY SEATED PRIOR TO PLACING STONE.
6. MAINTAIN MINIMUM - 9" (230 mm) SPACING BETWEEN THE CHAMBER ROWS.
7. INLET AND OUTLET MANIFOLDS MUST BE INSERTED A MINIMUM OF 12" (300 mm) INTO CHAMBER END CAPS.
8. EMBEDMENT STONE SURROUNDING CHAMBERS MUST BE A CLEAN, CRUSHED, ANGULAR STONE 3/4-2" (20-50 mm) MEETING THE AASHTO M43 DESIGNATION OF #3 OR #4.
9. STONE SHALL BE BROUGHT UP EVENLY AROUND CHAMBERS SO AS NOT TO DISTORT THE CHAMBER SHAPE. STONE DEPTHS SHOULD NEVER DIFFER BY MORE THAN 12" (300 mm) BETWEEN ADJACENT CHAMBER ROWS.
10. STONE MUST BE PLACED ON THE TOP CENTER OF THE CHAMBER TO ANCHOR THE CHAMBERS IN PLACE AND PRESERVE ROW SPACING.
11. ADS RECOMMENDS THE USE OF "FLEXSTORM CATCH IT" INSERTS DURING CONSTRUCTION FOR ALL INLETS TO PROTECT THE SUBSURFACE STORMWATER MANAGEMENT SYSTEM FROM CONSTRUCTION SITE RUNOFF.

NOTES FOR CONSTRUCTION EQUIPMENT

1. STORMTECH MC-4500 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH MC-3500/MC-4500 CONSTRUCTION GUIDE".
2. THE USE OF EQUIPMENT OVER MC-4500 CHAMBERS IS LIMITED:
 - NO EQUIPMENT IS ALLOWED ON BARE CHAMBERS.
 - NO RUBBER TIRED LOADER, DUMP TRUCK, OR EXCAVATORS ARE ALLOWED UNTIL PROPER FILL DEPTHS ARE REACHED IN ACCORDANCE WITH THE "STORMTECH MC-3500/MC-4500 CONSTRUCTION GUIDE".
 - WEIGHT LIMITS FOR CONSRUCTION EQUIPMENT CAN BE FOUND IN THE "STORMTECH MC-3500/MC-4500 CONSTRUCTION GUIDE".
3. FULL 36" (900 mm) OF STABILIZED COVER MATERIALS OVER THE CHAMBERS IS REQUIRED FOR DUMP TRUCK TRAVEL OR DUMPING.

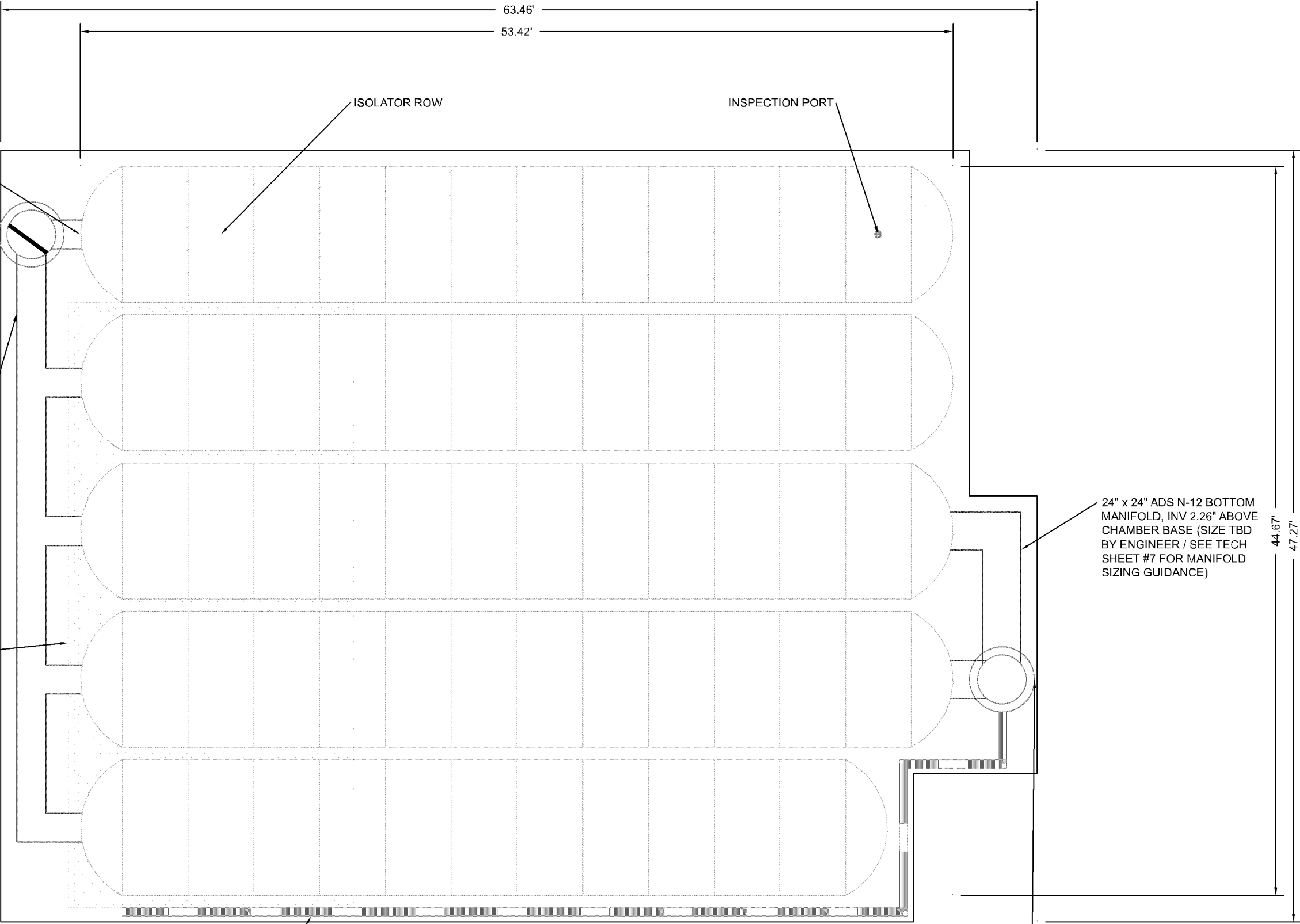
USE OF A DOZER TO PUSH EMBEDMENT STONE BETWEEN THE ROWS OF CHAMBERS MAY CAUSE DAMAGE TO CHAMBERS AND IS NOT AN ACCEPTABLE BACKFILL METHOD. ANY CHAMBERS DAMAGED BY USING THE "DUMP AND PUSH" METHOD ARE NOT COVERED UNDER THE STORMTECH STANDARD WARRANTY.

CONTACT STORMTECH AT 1-888-892-2694 WITH ANY QUESTIONS ON INSTALLATION REQUIREMENTS OR WEIGHT LIMITS FOR CONSTRUCTION EQUIPMENT.

CONCEPTUAL LAYOUT

(59) STORMTECH MC-4500 CHAMBERS
(10) STORMTECH MC-4500 END CAPS
INSTALLED WITH 12 " COVER STONE, 9 " BASE STONE, 40% STONE VOID
INSTALLED SYSTEM VOLUME: 11659 CF
AREA OF SYSTEM: 2843 FT²
PERIMETER OF SYSTEM: 221 FT

COMPUTER GENERATED CONCEPTUAL LAYOUT - NOT FOR CONSTRUCTION



PL201700055
PL2017-55

Embassy Suites - International Airport
Bloomington, MN

DATE: 03/20/2017
PROJECT #: Tool

DRAWN: jm
CHECKED: ---

REV	DRW	CHK	DESCRIPTION

70 INWOOD ROAD, SUITE 3 | ROCKY HILL, CT | 06067
860-529-6188 | 888-592-2694 | WWW.STORMTECH.COM

4640 TRUEMAN BLVD
HILLIARD, OH 43026
1-800-733-7473

NOT TO SCALE

SHEET
2 OF 6

THIS DRAWING HAS BEEN PREPARED BASED ON INFORMATION PROVIDED TO ADS UNDER THE DIRECTION OF THE SITE DESIGN ENGINEER OR OTHER PROJECT REPRESENTATIVE. THE SITE DESIGN ENGINEER SHALL REVIEW THIS DRAWING PRIOR TO CONSTRUCTION. IT IS THE ULTIMATE RESPONSIBILITY OF THE SITE DESIGN ENGINEER TO ENSURE THAT THE PRODUCT(S) DEPICTED AND ALL ASSOCIATED DETAILS MEET ALL APPLICABLE LAWS, REGULATIONS, AND PROJECT REQUIREMENTS.

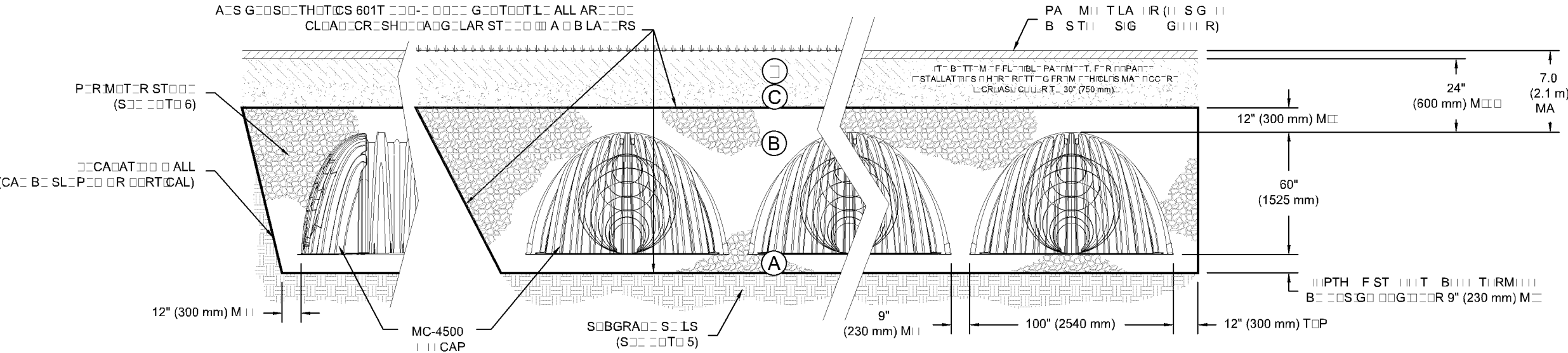
 StormTech® <i>Dewatering • Evaporation • Water Quality</i>	4640 TR MA BL HILL/AR H 43026 1-800-733-7473 ADVANCED DRAINAGE SYSTEMS, INC.		R R CH SCRIPT		Embassy Suites - International Airport Bloomington, MN	
					03/20/2017	
					CH_C 0 0 0 0 --- PRO 0 0 0 0 0 0 Tool	

	MATERIAL LOCATION	SCREENING	AASHTO MATERIAL CLASSIFICATION	COMPACTION METHOD REQUIREMENT
D	THE LOWER FULL MATERIAL FILL AREA STARTS FROM THE TOP FTH OF THE BOTTOM OF FILLABLE PADDMENT OR OF PADDED SHOULDER ABOVE. NOTE THAT PADDMENT SUBBASE MAY BE PART OF THE UNDERLAY.	ALL SHIRRIE MATERIALS AT THIS POINTS REPRESENT THEIR STRIPS. CHUCK PLANS FOR PAIRMENT SUBGRADE REQUIREMENTS.	MA	PREPARATION OF SIGNIFICANT RISPLAS. PAIRMENT STALLATION SHALL BE STRONG MATERIAL AREA PREPARATION REQUIREMENTS.
C	THE FULL FILL MATERIAL FILL AREA STARTS FROM THE TOP FTH OF THE BOTTOM OF THE CHAMBER. NOTE THAT PADDMENT SUBBASE MAY BE A PART OF THE UNDERLAY.	GRAVELAR FULL-GRAVEL SUBAGGREGATE MATERIAL SHALL BE FULLY SHIRRIE AGGREGATE. MOST PADDMENT SUBBASE MATERIALS CAN BE USED IN THE FILL AREA.	AASHTO M145 ¹ A-1/A-2/A-3 OR AASHTO M43 ¹ 3-357-4-467-5-56-57-6-67-68-7-78-8-89-9-10	BEFORE COMPACTION AFTER 24" (600 mm) OF MATERIAL WITH CHAMBERS STRACH. COMPACT ALL MATERIAL LAYERS TO 12" (300 mm) MAXIMUMS WITH A MIN. 95 PERCENT RELATIVE DENSITY GRADE MATERIAL AND 95 PERCENT RELATIVE DENSITY FOR PROPOSED AGGREGATE MATERIALS.
B	THE MATERIAL SHALL SHIRRIE WITH CHAMBERS FROM THE FILL OF THE STONE (UNDERLAY) TO THE UNDERLAY ABOVE.	CLAY CRUSHED AGGREGATE MATERIAL SHALL BE STRONGEST TO BE TO THE 3-4-2 CH (20-50 mm)	AASHTO M43 ¹ 3-4	COMPACTION REQUIREMENT.
A	THE MATERIAL SHALL FILL CHAMBERS FROM THE SUBGRADE UP TO THE FILL (BOTTOM) OF THE CHAMBER.	CLAY CRUSHED AGGREGATE MATERIAL SHALL BE STRONGEST TO BE TO THE 3-4-2 CH (20-50 mm)	AASHTO M43 ¹ 3-4	PLATE COMPACT ROLL WITH A FLAT SURFACE. ^{2,3}

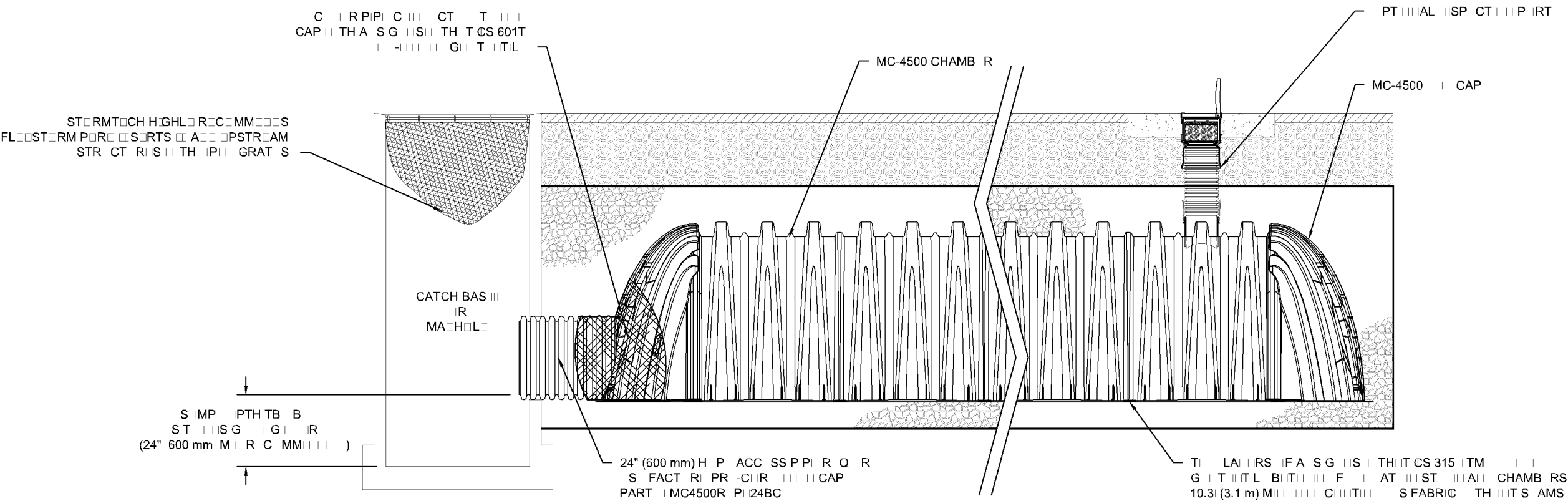
1. TH LIST 11 AASHT 11 SIG AT 11 SARIF R GRA AT 11 S 11 L . TH 11 ST 11 M ST ALS B 11 CL 11 A 11 CR 11 SH 11 A 11 G LAR. F R 11 AMPL 11 A SP 11 C 11 F CAT 11 11 F 11 R 11 # ST 11 11 L STAT 11 "CL A 11 CR 11 SH 11 A 11 G LAR 11 . 4 (AASHT 11 M43) ST 11 . 11".

2. ST RMT CH C 11 MPA CT 11 R 11 Q 11 R 11 M 11 TS AR 11 M 11 T F 11 R 11 A 11 L CAT 11 M 11 A T 11 I 11 A L S 11 H 11 11 PLAC 11 11 A 11 C 11 MPA CT 11 11 9" (230 mm) (MA 11 L) L 11 FTS S 11 G T 11 F 11 L L C 11 11 RAG 11 S 11 TH A 11 BRAT 11 R C 11 MPA CT R.

3. 11 H R 11 F 11 LTRAT 11 S 11 R 11 F C S 11 M A 11 B 11 C 11 MPR 11 M 11 S 11 B C 11 MPA CT 11 F 11 R 11 ST A 11 R 11 S 11 G L 11 A C 11 11 T 11 S A 11 FLAT S 11 R 11 FAC MA B ACH 11 11 B RA 11 I 11 G R RAGG 11 G 11 TH 11 T C 11 MPA CT 11 Q 11 C 11 P 11 M 11 O 11 C T. F 11 O R SP 11 C 11 A L L 11 O A 11 S 11 G 11 S C 11 O 11 MPA CT ST 11 R 11 M T CH F 11 O R C 11 MPA CT 11 R 11 Q 11 R 11 M 11 O 11 C T S.

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MANUFACTURED TOOLS

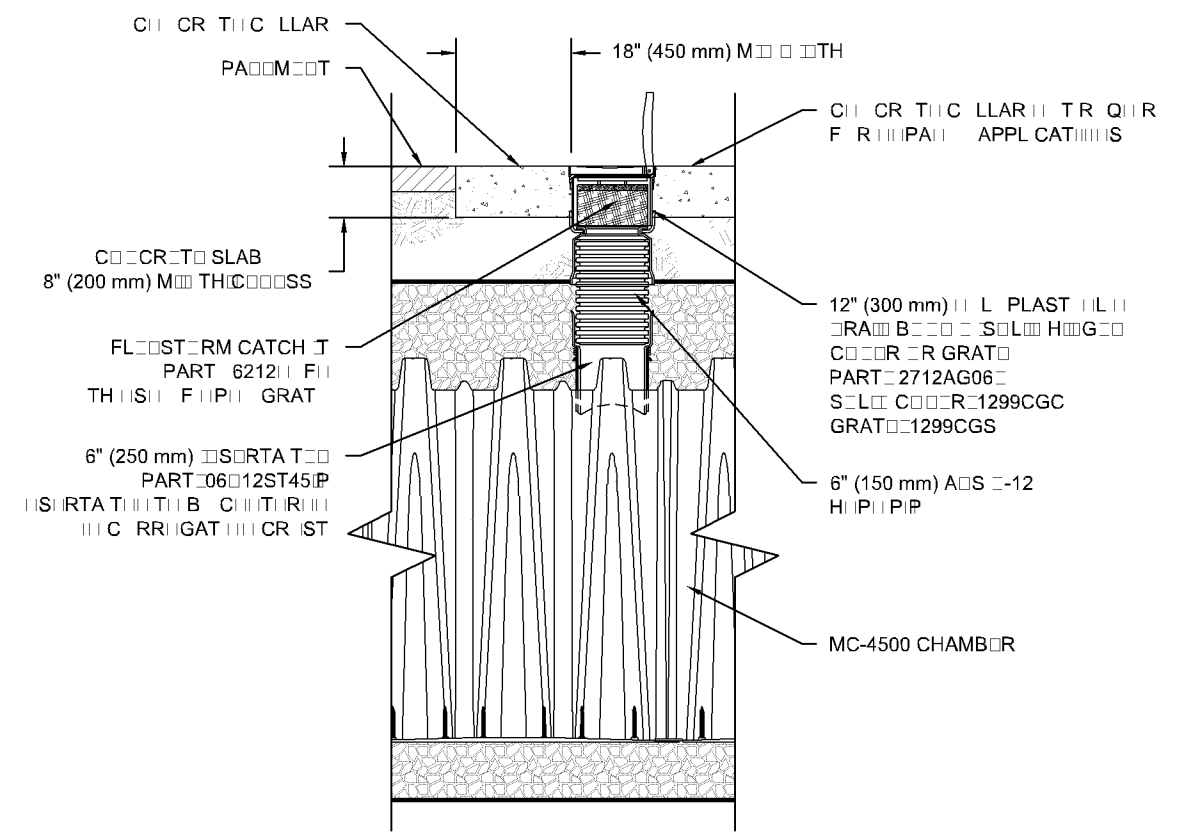
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INSTALLATION

- STEP 1) INSPECT SOLAR RECEPTOR
- A. INSPECT PORTS (IF PRESENT)
 - A.1. REMOVE PORTS AND INSTALL PLASTIC COVER
 - A.2. REMOVE AND CLEAN FLASHLIGHT AND STATION MOUNTS
 - A.3. CLEAN FLASHLIGHT AND STATION MOUNTS
 - A.4. LUBRICATE RAIL WITH SILICONE GREASE
 - A.5. FILL MOUNT WITH 3" (80 mm) POLYURETHANE FOAM
 - B. ALL SOLAR RECEPTORS
 - B.1. REMOVE RECEPTOR FROM STRIP
 - B.2. STICK FLASHLIGHT INSIDE THE SOLAR RECEPTOR
 - B.3. FILL SOLAR RECEPTOR WITH 3" (80 mm) POLYURETHANE FOAM
- STEP 2) CLEAN WITH SILICONE GREASE
- A. APPLY CLEANING SOLUTION TO THE RAIL
 - B. APPLY MULTIPLE PASSES OF CLEANING SOLUTION
 - C. CLEAN STRIP AND SOLAR RECEPTOR
- STEP 3) REPLACE ALL CLOSURES GRATE FILTERS AND SOLAR RECEPTORS
- STEP 4) INSPECT AND CLEAN BASIN AND MANHOLE DOWNSTREAM OF THE STORMWATER SYSTEM.

TOOL

- INSPECT WITH 6" INSIDE THE FIRST RAIL FOR RAIL
- CLEAN WITH A CLEAN RAIL



MANUFACTURED TOOLS

Embassy Suites - International Airport
Bloomington, MN

DATE: 03/20/2017
PROJECT: Tool

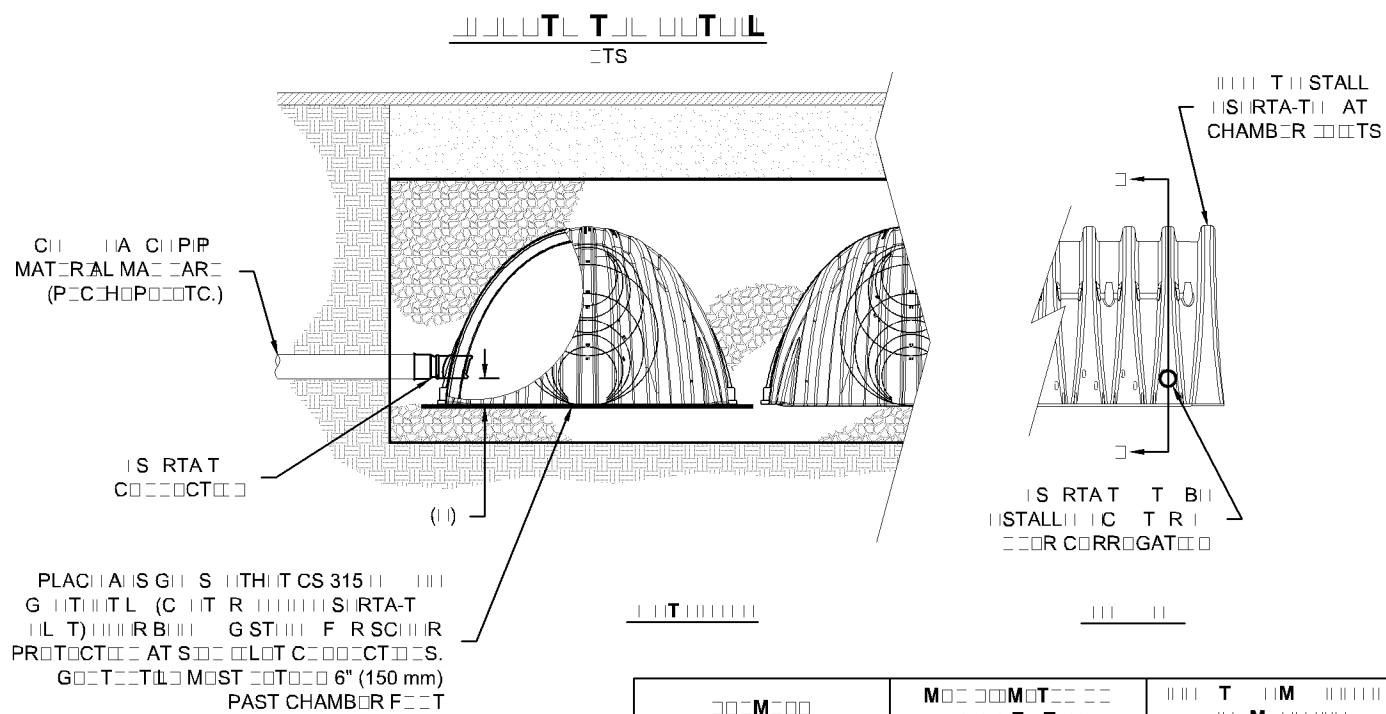
DESCRIPTION: CH

REVISIONS: R

StormTech
Retention/Retention Water Quality
70 INWOOD ROAD, SUITE 3 | ROCKY HILL, CT | 06067
860-523-8188 | 888-892-2684 | stormtech.com

ADS
ADVANCED DRAINAGE SYSTEMS, INC.
4640 TRIMBLE HILL
HILLAR, OH 43026
1-800-733-7473

SHIT
4 F 6



		
SC-310	6" (150 mm)	4" (100 mm)
SC-740	10" (250 mm)	4" (100 mm)
SC-780	10" (250 mm)	4" (100 mm)
MC-3500	12" (300 mm)	6" (150 mm)
MC-4500	12" (300 mm)	8" (200 mm)

CRIST
STIFF G R B
ALL G R B
STIFF G R B
PP R T
C R R G A T

PL2017-55

60.0"
(1524 mm)

100.0" (2540 mm)

59.4"
(1509 mm)

90.2" (2291 mm)

48.3"
(1227 mm)

52.0"
(1321 mm)

30.7"
(781 mm)

STALL

	S□□ □ H □□ STALL□□ L□□ GTH)	100.0" □ 60.0" □ 48.3"	(2540 mm □ 1524 mm □ 1227 mm)
	CHAMBER ST□ RAG □	106.5 C □ B □ F □ T	(3.01 m³)
	M □ M □ M □ STALL □ ST □ RAG □ □	162.6 C □ B □ F □ T	(4.60 m³)
	□ □ GHT	130.0 lbs.	(59.0 kg)

	90.2" ± 59.4" ± 30.7" 35.7 C±B±C F±T 108.7 C±B±C F±T 135.0 lbs.	(2291 mm ± 1509 mm ± 781 mm) (1.01 m³) (3.08 m³) (61.2 kg)
--	---	--

ASS-M-S 12" (305 mm) ST- AB- 9" (229 mm) ST- F- AT- A- B-T- CHAMB-RS-
12" (305 mm) ST- P-R-M-T-R- FR-T- F- CAPS A- 40- ST- P-R-S-T-

STOPS AT BOTTOM OF CAP FOR PART MBRS G TH "B"
STOPS AT TOP OF CAP FOR PART MBRS G TH "T"

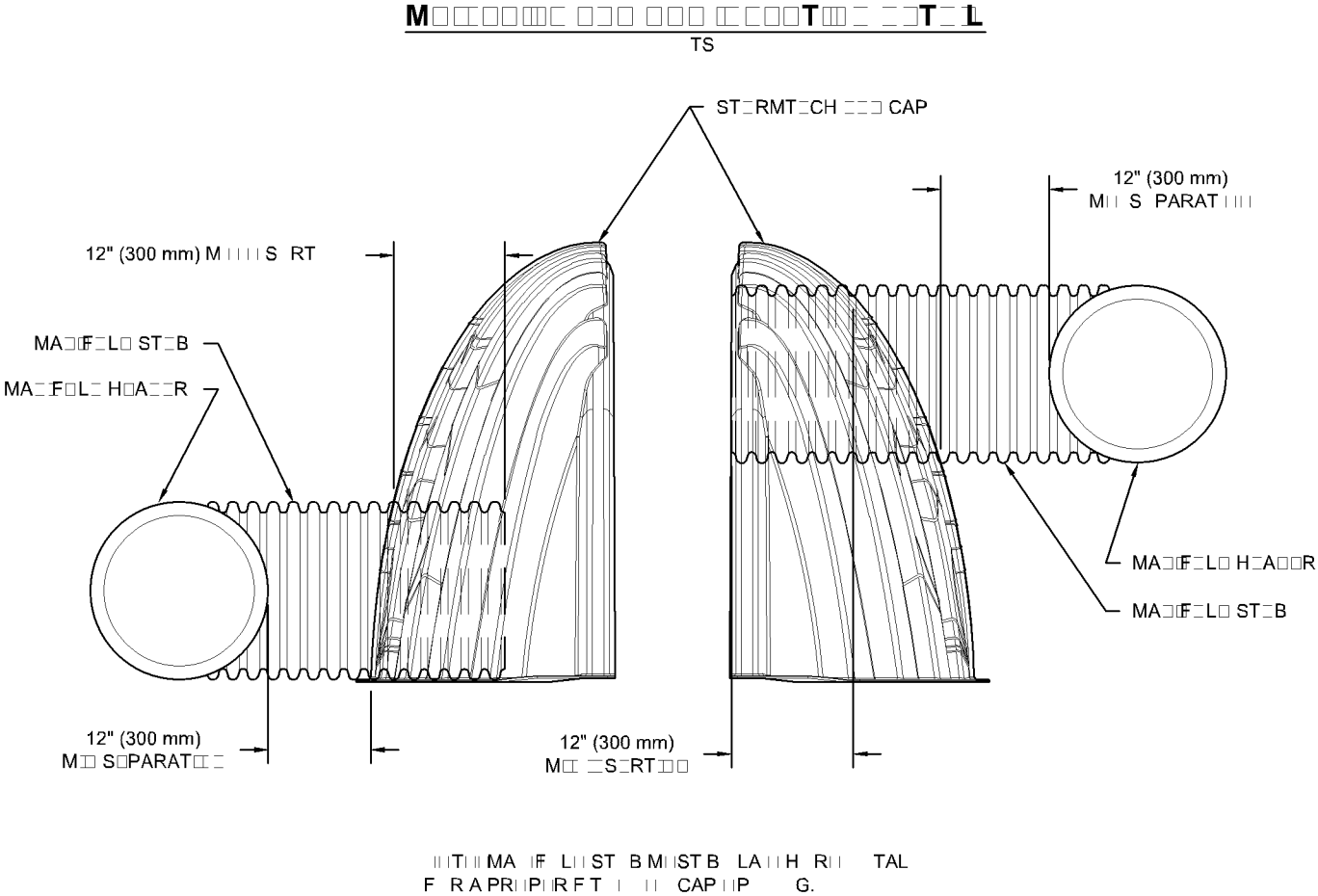
□□□T□	□T□□	□	□
MC4500R□P□06T	6" (150 mm)	42.54" (1.081 m)	---
MC4500R□P□06B		---	0.86" (22 mm)
MC4500R□P□08T	8" (200 mm)	40.50" (1.029 m)	---
MC4500R□P□08B		---	1.01" (26 mm)
MC4500R□P□10T	10" (250 mm)	38.37" (975 mm)	---
MC4500R□P□10B		---	1.33" (34 mm)
MC4500R□P□12T	12" (300 mm)	35.69" (907 mm)	---
MC4500R□P□12B		---	1.55" (39 mm)
MC4500R□P□15T	15" (375 mm)	32.72" (831 mm)	---
MC4500R□P□15B		---	1.70" (43 mm)
MC4500R□P□18TC	18" (450 mm)	29.36" (746 mm)	---
MC4500R□P□18BC		---	1.97" (50 mm)
MC4500R□P□24TC	24" (600 mm)	23.05" (585 mm)	---
MC4500R□P□24BC		---	2.26" (57 mm)
MC4500R□P□30BC	30" (750 mm)	---	2.95" (75 mm)
MC4500R□P□36BC	36" (900 mm)	---	3.25" (83 mm)
MC4500R□P□42BC	42" (1050 mm)	---	3.55" (90 mm)

||T||ALL||M S||SAR||M|AL

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4640 TRIMBLE BLVD
HILLAR, OH 43026
1-800-733-7473

StormTech
Deflection-Resistant Water Quality
70 INWOOD ROAD, SUITE 3 | ROCKY HILL, CT | 06067
860-523-8188 | 888-892-2684 | info@stormtech.com

R	R	CH	DESCRIPTION

PROJECT	Tool	DATE	03/20/2017	DRAWN BY	jm
CHANGED BY					

Embassy Suites - International Airport
Bloomington, MN

PREPARED UNDER
THE SEAL OF
EDWARD R. YOST.
ISSUED FOR DESIGN
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CONSTRUCTION



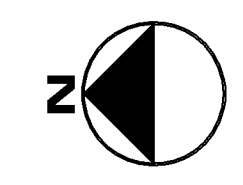
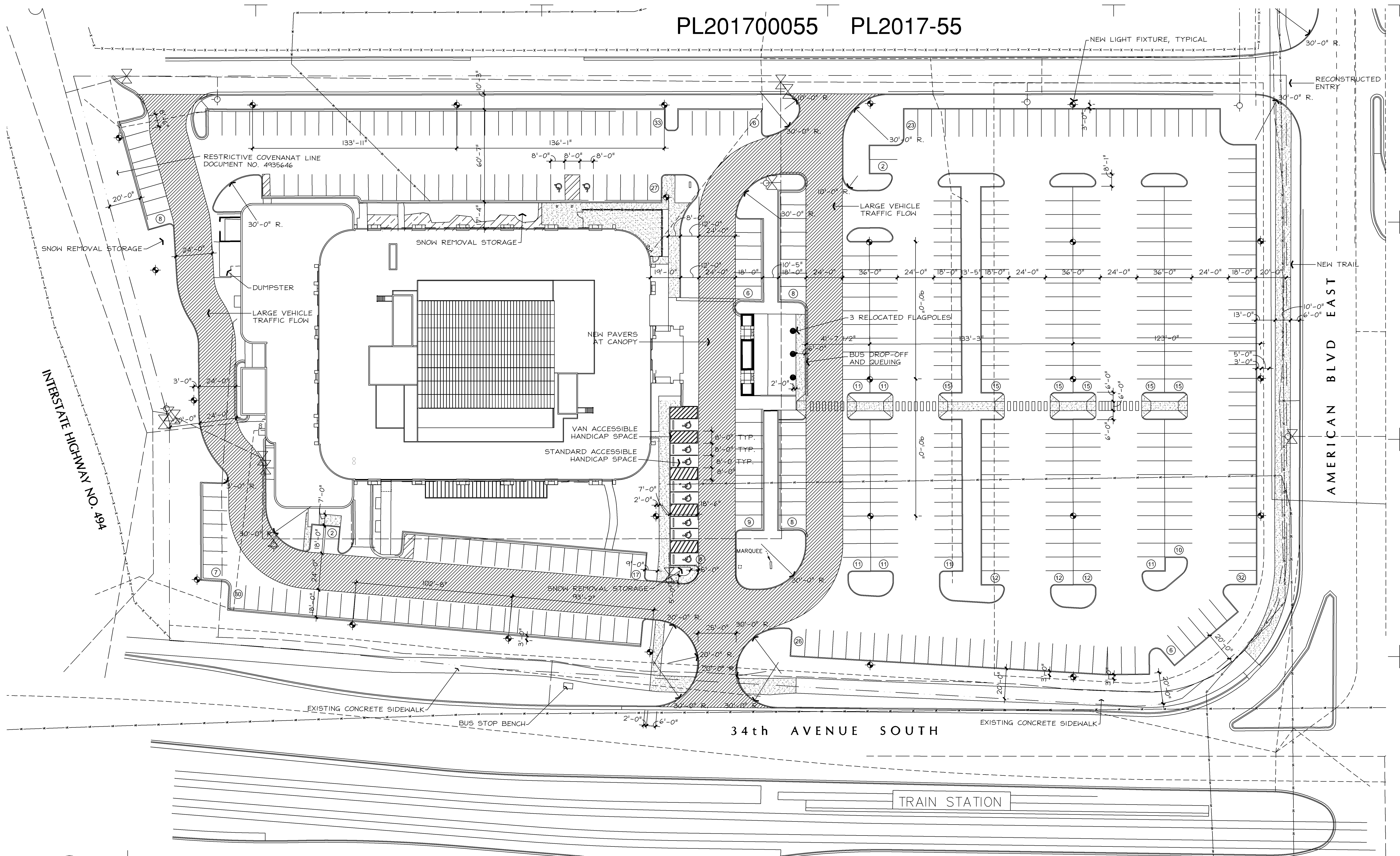
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7901 34TH AVE S, BLOOMINGTON, MN 55425
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● CARRELL
■ PARTNERS
▼ & YOST
architecture

5646 Milton Street
Suite 888
Dallas, Texas 75206
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214.953.0702 FAX
cpy@cpyarch.com
www.cpyarch.com

DRAWN BY: DG
CHECKED BY: MSK
DATE: 04.07.2017
REVISIONS:

PROJECT NO.: 16031
SHEET NO.: PD 1



A PLANNED DEVELOPMENT SITE PLAN
1" = 30'-0"

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 LANDSCAPE ARCHITECT UNDER THE LAWS OF
THE STATE OF MINNESOTA.

Michael R. Carrell

DATE: 13 APRIL 2017 LICENCE NUMBER 54499

B SITE LEGEND

- NEW CONCRETE SIDEWALK
- BUILDING EXPANSION
- NEW ASPHALT PAVING
- NEW LIGHT POLE
- REVISION DESCRIPTION KEY

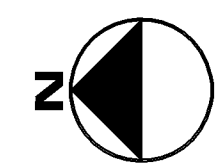
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INTERSTATE HIGHWAY NO. 494

AMERICAN BLVD EAST

34th AVENUE SOUTH

TRAIN STATION



A LANDSCAPE DEMOLITION PLAN

1" = 30'-0"

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 LANDSCAPE ARCHITECT UNDER THE LAWS OF THE STATE OF MINNESOTA.

Michael Randall

DATE: 13 APRIL 2017 LICENCE NUMBER 54499

PL201700055
PL2017-55

B LEGEND

EXISTING TREE TO REMAIN

EXISTING TREE TO BE REMOVED

PREPARED UNDER
THE SEAL OF
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cpy@cpyarch.com
www.cpyarch.com

DRAWN BY: DG
CHECKED BY: MSK
DATE: 04.07.2017
REVISIONS:

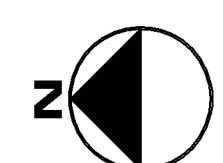
PROJECT NO.:
16031
SHEET NO.:
L101

FELCOR
LODGING TRUST

● CARRELL
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CHECKED BY:	MSK
DATE:	04.07.2017
REVISIONS:	

PROJECT NO.:	16031
SHEET NO.:	L201


$$1'' = 30'.0''$$

Muhammad Hendrik

	NEW CONCRETE SIDEWALK
	BUILDING EXPANSION
	NEW ASPHALT PAVING
	NEW LIGHT POLE
	REVISION DESCRIPTION KEY

PL201700055
PL2017-55

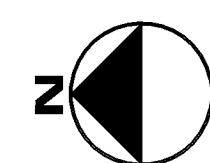


FELCOR
LODGING TRUST

● CARRELL
■ PARTNERS
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architecture

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CHECKED BY:	MSK
DATE:	04.07.2017
REVISIONS:	

PROJECT NO.:	16031
SHEET NO.:	L301


$$\tau'' = 30' - 0''$$

Walter L. Hendon

PL201700055
PL2017-55

78,653 SITE SQUARE FEET
31 TREES REQUIRED - 80 TREES PROVIDED
79 SHRUBS REQUIRED - 140 SHRUBS PROVIDED
PLANT MATERIAL TYPE AND LOCATION MAY BE MODIFIED WITHOUT PD PLAN
RESUBMISSION OR APPROVAL.

	EXISTING DECIDUOUS OR EVERGREEN TREE		PROPOSED EVERGREEN TREE
	EXISTING JUNIPER SHRUBS		PROPOSED MEDIUM DECIDUOUS TREE
			PROPOSED LARGE DECIDUOUS TREE
			NEW JUNIPER PARKING LOT SCREENING SHRUBS

A PREPARATION GENERAL NOTES

1. PLAN PREPARED BY:

MICHAEL S. KENDALL
KENDALL + LANDSCAPE ARCHITECTURE
8150 NORTH CENTRAL EXPRESSWAY
SUITE 12025
DALLAS, TEXAS 75206
PHONE: (214) 739-3226
E-MAIL: MIKE@KENDALL7.COM
MINNEAPOLIS LANDSCAPE ARCHITECT LICENSE NO. 54499

2. ALL AREAS SHALL BE IRRIGATED BY A LICENCES IRRIGATOR WITH AN AUTOMATIC UNDERGROUND IRRIGATION SYSTEM PROVIDING 100% COVERAGE.
3. ALL REQUIRED TREES FROM THE CITY APPROVED LISTING.

B PLANTING GENERAL NOTES

1. ALL SOIL EXCAVATION MAY BE DISPOSED OF ON SITE.
2. IF A LIVE UTILITY IS ENCOUNTERED DURING EXCAVATION, CONTACT OWNER'S REPRESENTATIVE.
3. SEE PLANTING SPECIFICATIONS FOR A COMPLETE DESCRIPTION OF PLANT MATERIAL AND INSTALLATION.
4. ALL BEDS MUST BE LAID OUT AND APPROVED PRIOR TO THE INSTALLATION OF THE IRRIGATION FOR COORDINATION.
5. ALL PLANT MATERIAL SHALL BE STAKED AND APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO PLANT INSTALLATION.
6. ALL PLANTING DETAILS ARE TYPICAL.
7. ALL DISTURBED AREAS WITHIN THE PROJECT LIMITS MUST BE EITHER HYDROMULCHING OR SOLID SODDED UNLESS NOTED.

C TREE PRESERVATION NOTES

CONTRACTOR SHALL ADHERE TO THE FOLLOWING TREE PROTECTION MEASURES:

1. THE CONTRACTOR SHALL ERECT A PLASTIC MESH FENCE A MINIMUM OF FOUR (4') FEET IN HEIGHT AROUND EACH TREE OR GROUP OF TREES TO PREVENT THE PLACEMENT OF DEBRIS OR FILL WITHIN THE DRIP LINE.
2. DURING THE CONSTRUCTION PHASE OF DEVELOPMENT, THE CONTRACTOR SHALL PROHIBIT CLEANING, PARKING OR STORAGE OF EQUIPMENT OR MATERIALS UNDER THE CANOPY OF ANY TREE OR GROUP OF TREES BEING PRESERVED. THE CONTRACTOR SHALL NOT ALLOW THE DISPOSAL OF ANY WASTE MATERIAL SUCH AS, BUT NOT LIMITED TO, PAINT, OIL, SOLVENTS, ASPHALT, CONCRETE, MORTAR, ETC. IN THE CANOPY AREA.
3. NO ATTACHMENTS OR WIRES OF ANY KIND, OTHER THAN THOSE OF A PROTECTIVE NATURE, SHALL BE ATTACHED TO ANY TREE.
4. NO FILL OR EXCAVATION MAY OCCUR WITHIN THE DRIP LINE OF A TREE TO BE PRESERVED.

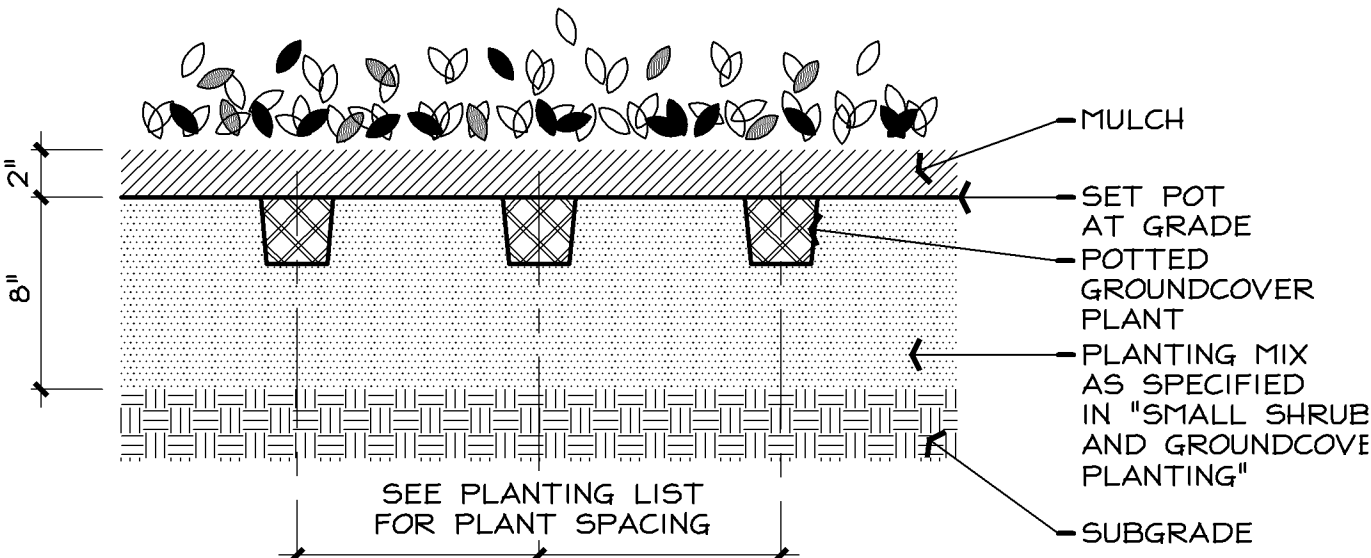
D PLANT LISTING

ALL SIZES SHOWN ARE MINIMUM. SMALLER CONTAINERS MEETING THE SPECIFIED HEIGHT AND SPREAD WILL NOT BE ACCEPTED. IF QUANTITIES ARE SHOWN, CONTRACTOR IS RESPONSIBLE FOR VERIFYING QUANTITIES. PLAN REFERENCES GOVERN.

BOTANIC NAME	COMMON NAME	SIZE	DESCRIPTION	QUANTITY
LARGE TREES				
ACER RUBRUM	RED MAPLE	24" BOX, 3"- 3 1/2" CALIPER, 8' - 9' HEIGHT, 4'-5' SPREAD	SINGLE STRAIGHT LEADER	14
GLEDITSIA TRIANCANTHOS	HONEYLOCUST	24" BOX, 3"- 3 1/2" CALIPER, 8' - 9' HEIGHT, 4'-5' SPREAD	SINGLE STRAIGHT LEADER.	9
TILIA AMERICANA	AMERICAN LINDEN	24" BOX, 3"- 3 1/2" CALIPER, 8' - 9' HEIGHT, 4'-5' SPREAD	SINGLE STRAIGHT LEADER.	12
TILIA CORDATA	LITTLELEAF LINDEN	24" BOX, 3"- 3 1/2" CALIPER, 8' - 9' HEIGHT, 4'-5' SPREAD	SINGLE STRAIGHT LEADER.	7
PICEA GLAUCA DENSATA	BLACK HILLS SPRUCE	24" BOX, 3"- 3 1/2" CALIPER, 8' - 9' HEIGHT, 4'-5' SPREAD	SINGLE STRAIGHT LEADER.	2
PICEA PUNGENS	COLORADO SPRUCE	24" BOX, 3"- 3 1/2" CALIPER, 8' - 9' HEIGHT, 4'-5' SPREAD	SINGLE STRAIGHT LEADER.	8
BETULA SPP	BIRCH	24" BOX, 3"- 3 1/2" CALIPER, 8' - 9' HEIGHT, 4'-5' SPREAD	SINGLE STRAIGHT LEADER.	18
SHRUBS / GROUNDCOVER				
ILEX VERTICILLATA	WINTERBERRY	3 GALLON	36" ON CENTER	188
COTONEASTER LUCIDUS	COTONEASTER	3 GALLON	42" ON CENTER	205
JUNIPER CHINENSIS	CHINESE JUNIPER	1 GALLON	24" ON CENTER	330
ARONIA MELANOCARPA	CHOKEBERRY	1 GALLON	24" ON CENTER	94
VIBURNUM DENTATUM	ARROWOOD	3 GALLON	30" ON CENTER	54
SYRINGA X CHINENSIS 'LILAC SUNDAY'	CHINESE LILAC	1 GALLON	18" ON CENTER	360

SOD

MIXTURE OF KENTUCKY BLUEGRASS AND FINE FESCUE



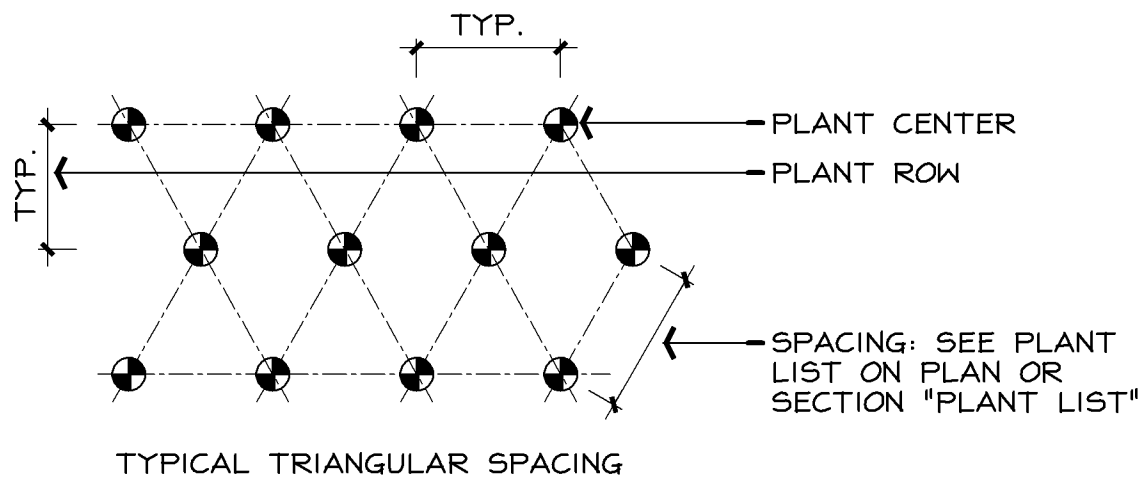
J GROUNDCOVER PLANTING - SECTION

1 1/2" = 1'-0"

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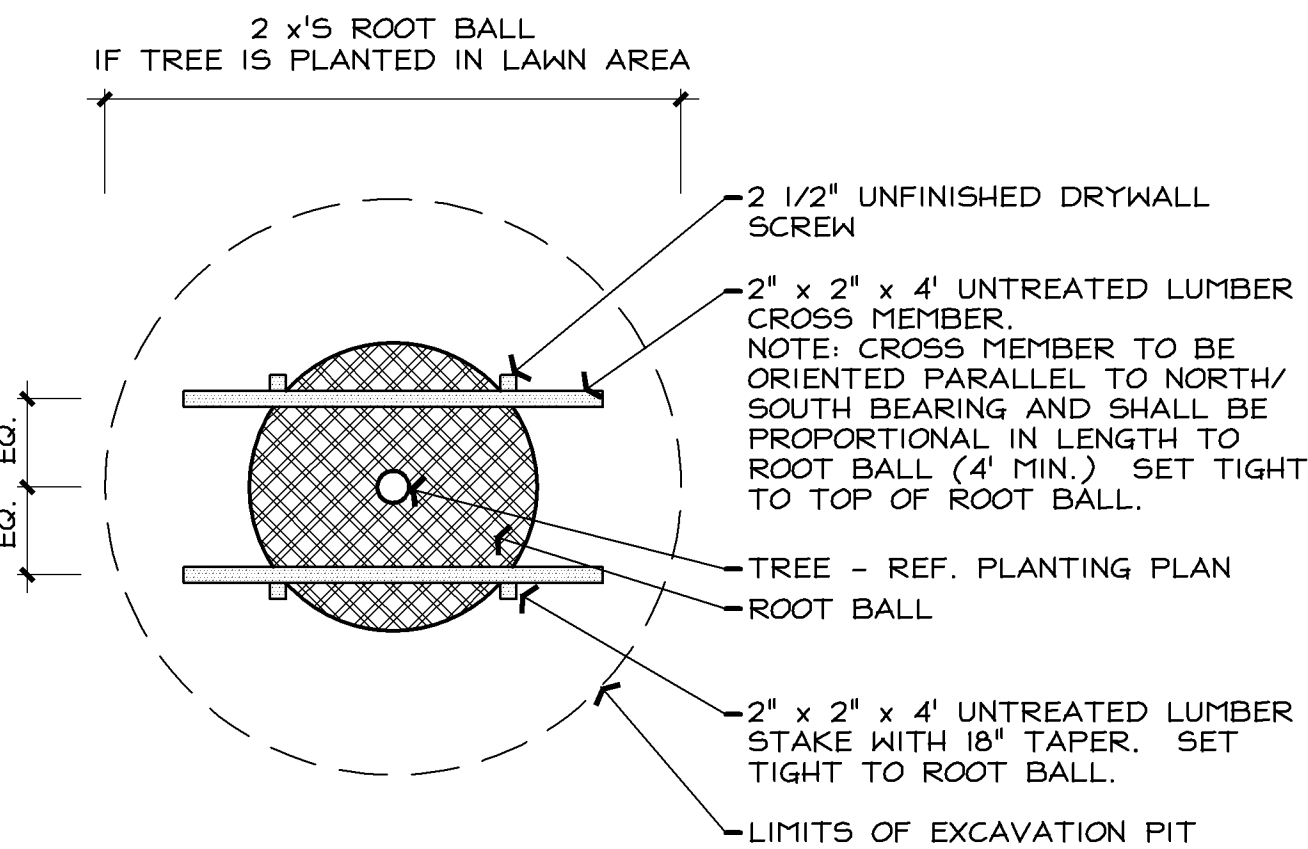
Michael S. Kendall

DATE: 13 APRIL 2017 LICENCE NUMBER 54499



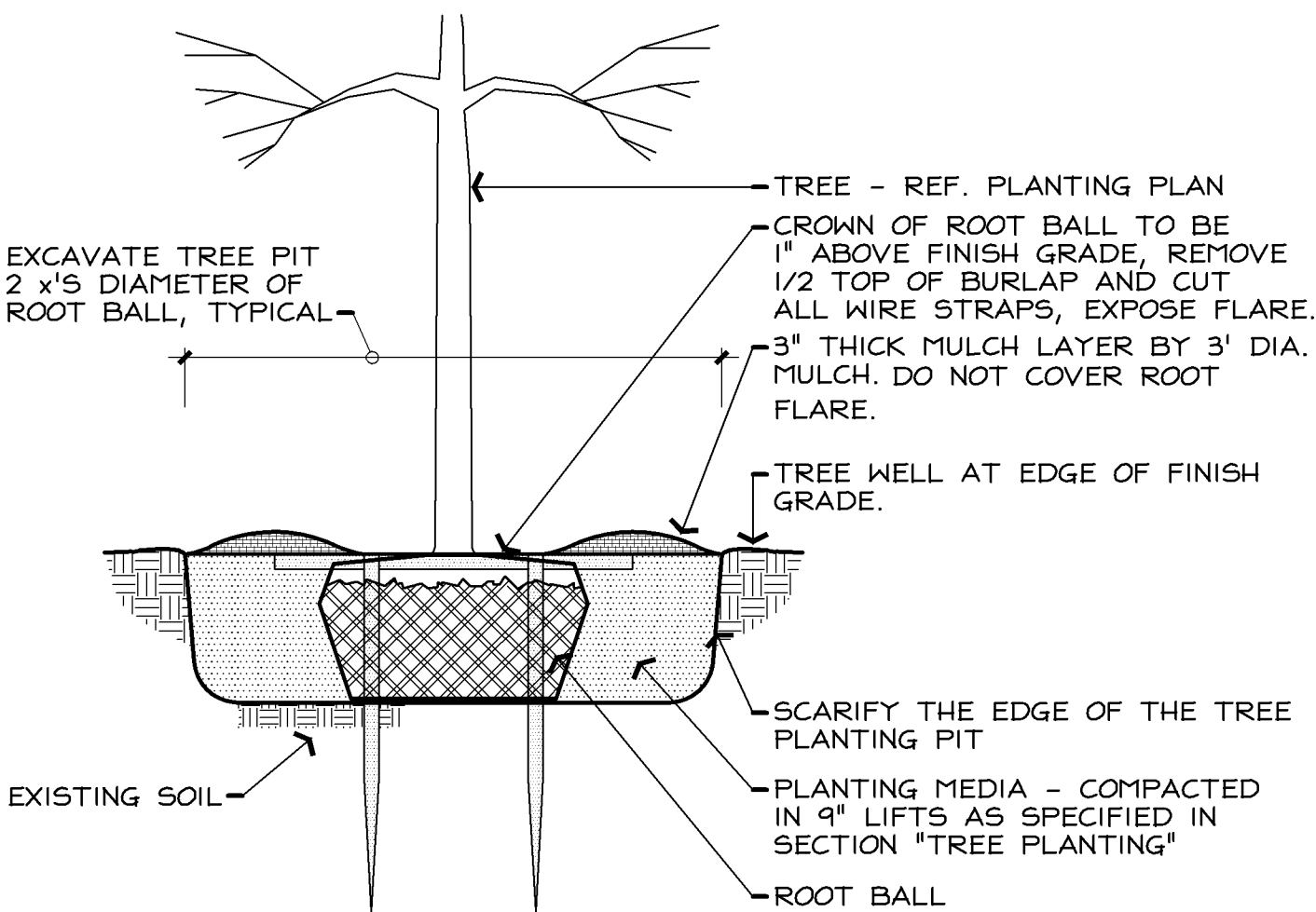
I PLANT SPACING - PLAN

1/2" = 1'-0"



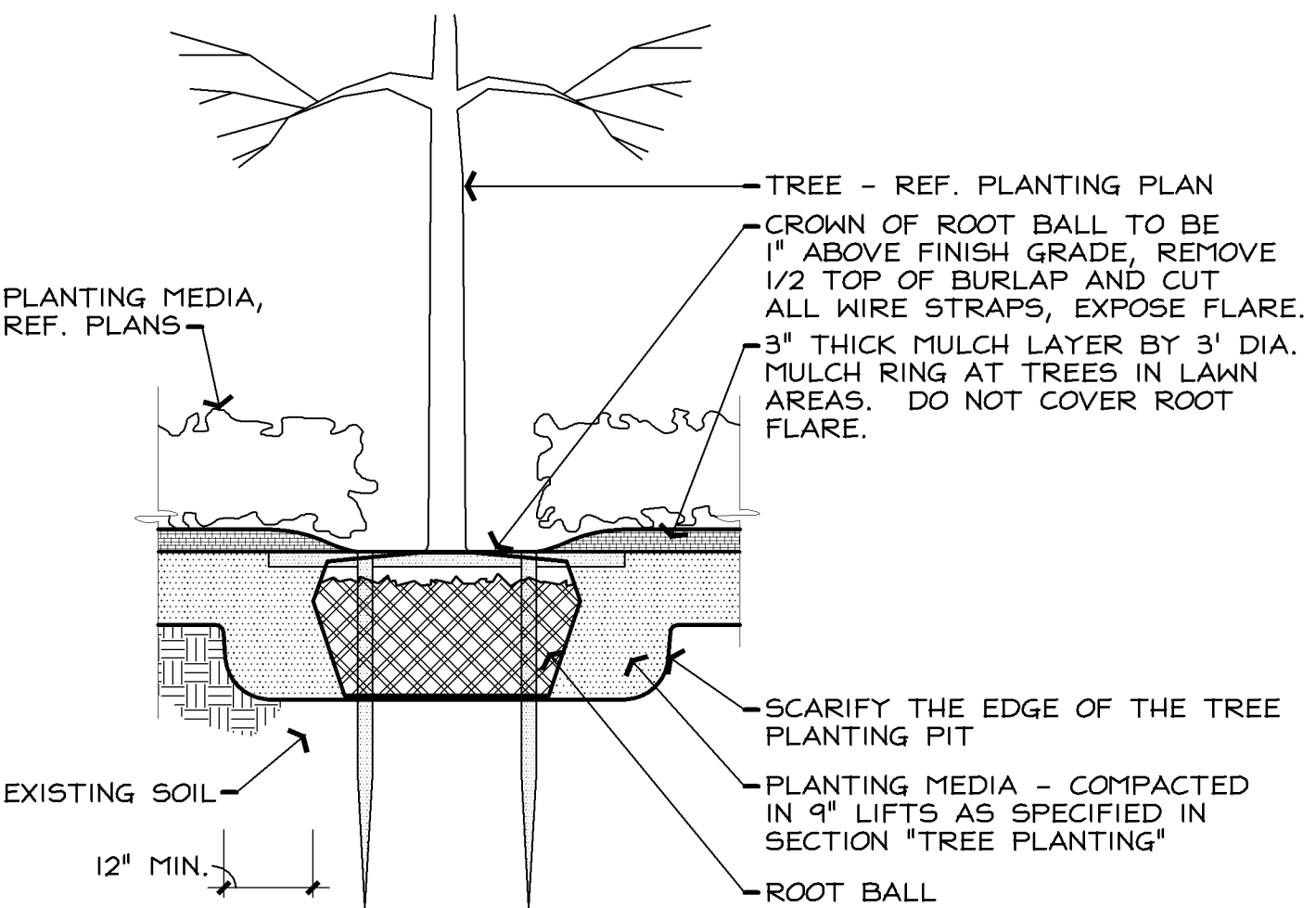
E TYPICAL TREE STAKING - PLAN

1/2" = 1'-0"



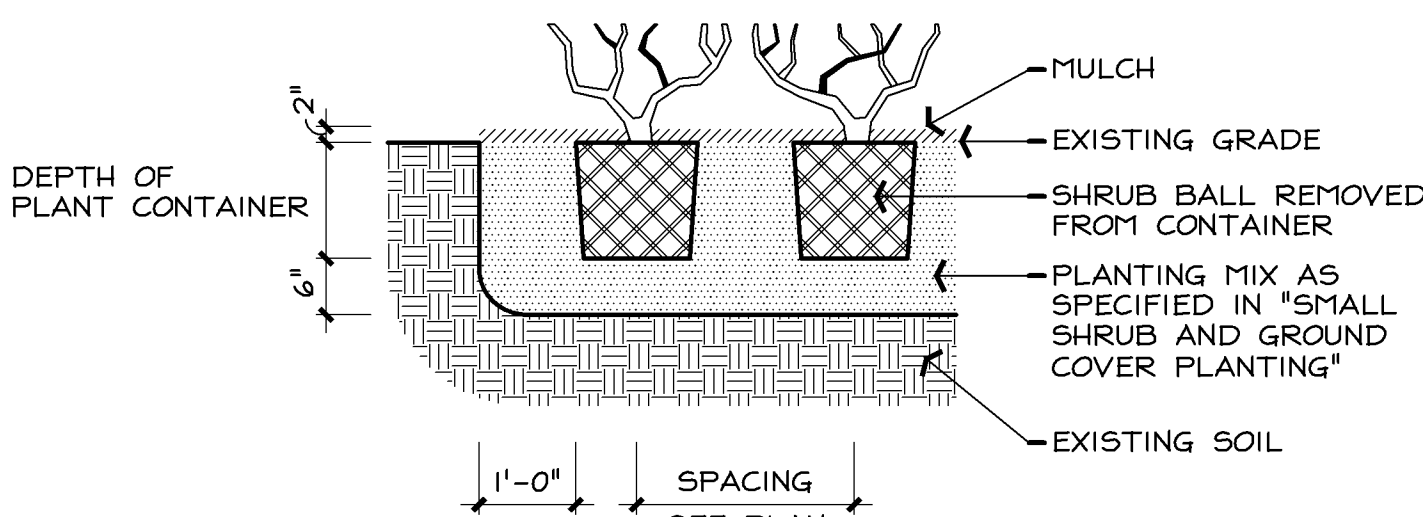
F TREE PLANTING IN LAWN - SECTION

1/2" = 1'-0"



G TREE PLANTING IN PLANTER - SECTION

1/2" = 1'-0"



H SHRUB PLANTING - SECTION

1/2" = 1'-0"

PREPARED UNDER
THE SEAL OF
EDWARD R. YOST.

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cyy@cpyearch.com
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DRAWN BY: DG

CHECKED BY: MSK

DATE: 04.07.2017

REVISIONS:

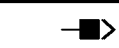
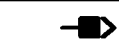
PROJECT NO.:

16031

SHEET NO.:

L302

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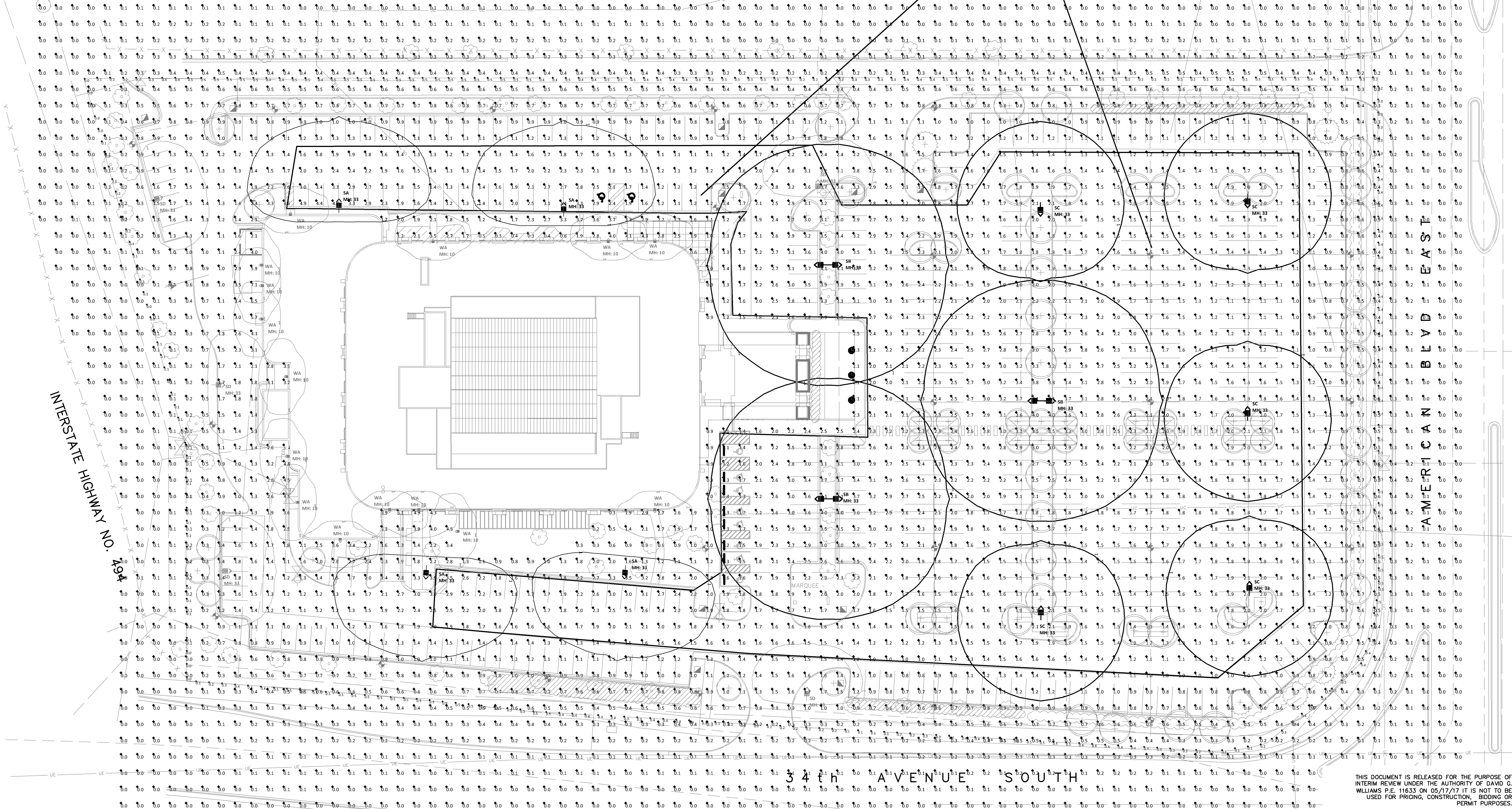
Luminaire Schedule										
Project: Embassy Suites - Bloomington, MN										
Symbol	Qty	Label	Arrangement	Manufacturer	Description	Arr. Watts	Lum. Watts	Lum. Lumens	LLF	BUG Rating
	4	SA	SINGLE	PHILIPS GARDCO	GL18-4-310LA-961A-NW-IS @ 33'	307.7	307.7	23733	0.810	B2-U1-G4
	3	SB	BACK-BACK	PHILIPS GARDCO	GL18-5-310LA-961A-NW @ 33'	633.4	316.7	29497	0.810	B5-U0-G3
	5	SC	SINGLE	PHILIPS GARDCO	GL18-5-310LA-961A-NW @ 33'	316.7	316.7	29497	0.810	B5-U0-G3
	5	SD	SINGLE	PHILIPS GARDCO	GL18-3-160LA-481A-NW-IS @ 33'	160	160	12316	0.810	B1-U1-G2
	15	WA	WALL MOUNT	PHILIPS STONCO	LPW16-7 @ 10'	36.3	36.3	3372	0.810	B1-U0-G1

Calculation Summary										
Label	Avg	Max	Min	Avg/Min	Max/Min	CalcType	Units	Grid Size (Ft.)	Grid Height (Ft.)	# Pts
All points	1.05	7.1	0.0	N.A.	N.A.	Illuminance	Fc	10	0	3727
Property Line	0.35	0.5	0.0	N.A.	N.A.	Illuminance	Fc	8	N.A	285
25' Perimeter Parking Area	1.08	1.80	0.60	1.80	3.00	Illuminance	Fc			283
Interior Parking Area	2.00	4.90	1.00	2.00	4.90	Illuminance	Fc			1184

Maintained Foot-Candles

Interior Parking Area
Average = 2.00
Maximum = 4.90
Minimum = 1.00
Avg/Min Ratio = 2.00
Max/Min Ratio = 4.90
No. Points = 1184

25' Perimeter Parking Area
Average = 1.08
Maximum = 1.80
Minimum = 0.60
Avg/Min Ratio = 1.80
Max/Min Ratio = 3.00
No. Points = 283



A LIGHTING PHOTOMETRIC PLAN

1" = 30'-0"

0 15' 30' 60'

THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF INTERIM REVIEW UNDER THE AUTHORITY OF DAVID G. WILLIAMS P.E. 11633 ON 05/17/17 IT IS NOT TO BE USED FOR PRICING, CONSTRUCTION, BIDDING OR PERMIT PURPOSES.

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

David G. Williams
Date _____ Registration No. 11633

PREPARED UNDER THE SEAL OF DAVID G. WILLIAMS
ISSUED FOR DESIGN REVIEW, NOT FOR PERMITTING, OR CONSTRUCTION

J:\FebCor Logo Grey & Blue.png

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DRAWN BY: KJP
CHECKED BY: DGW
DATE: 05.17.2017
REVISIONS:

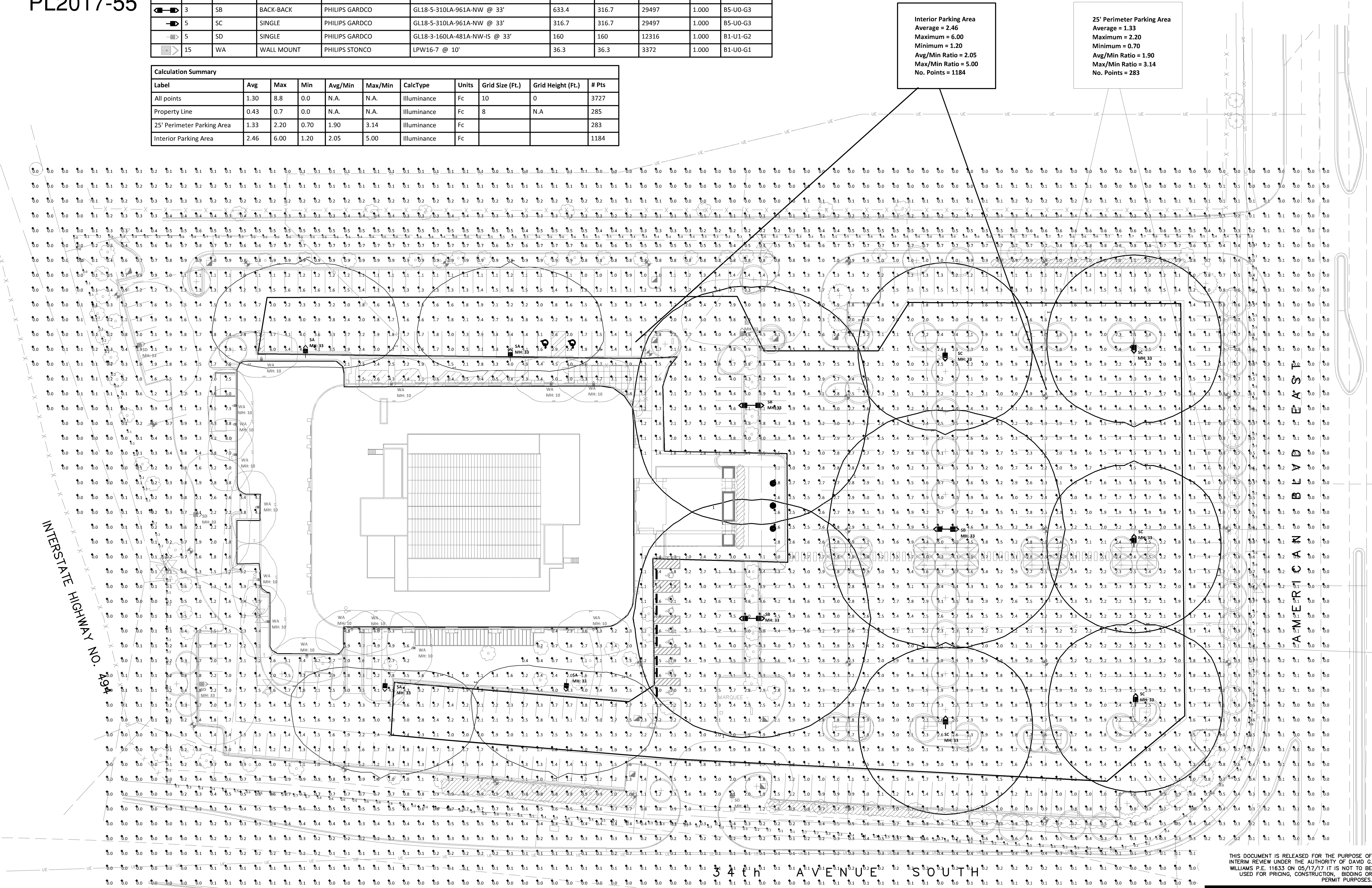
PROJECT NO.: M17005
SHEET NO.: MEP102

PL201700055
PL2017-55

Initial Foot-Candles

Luminaire Schedule										
Project: Embassy Suites - Bloomington, MN										
Symbol	Qty	Label	Arrangement	Manufacturer	Description	Arr. Watts	Lum. Watts	Lum. Lumens	LLF	BUG Rating
SA	4	SA	SINGLE	PHILIPS GARDCO	GL18-4-310LA-961A-NW-IS @ 33'	307.7	307.7	23733	1.000	B2-U1-G4
SB	3	SB	BACK-BACK	PHILIPS GARDCO	GL18-5-310LA-961A-NW @ 33'	633.4	316.7	29497	1.000	B5-U0-G3
SC	5	SC	SINGLE	PHILIPS GARDCO	GL18-5-310LA-961A-NW @ 33'	316.7	316.7	29497	1.000	B5-U0-G3
SD	5	SD	SINGLE	PHILIPS GARDCO	GL18-3-160LA-481A-NW-IS @ 33'	160	160	12316	1.000	B1-U1-G2
WA	15	WA	WALL MOUNT	PHILIPS STONCO	LPW16-7 @ 10'	36.3	36.3	3372	1.000	B1-U0-G1

Calculation Summary										
Label	Avg	Max	Min	Avg/Min	Max/Min	CalcType	Units	Grid Size (Ft.)	Grid Height (Ft.)	# Pts
All points	1.30	8.8	0.0	N.A.	N.A.	Illuminance	Fc	10	0	3727
Property Line	0.43	0.7	0.0	N.A.	N.A.	Illuminance	Fc	8	N.A.	285
25' Perimeter Parking Area	1.33	2.20	0.70	1.90	3.14	Illuminance	Fc			283
Interior Parking Area	2.46	6.00	1.20	2.05	5.00	Illuminance	Fc			1184



A LIGHTING PHOTOMETRIC PLAN

THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF INTERIM REVIEW UNDER THE AUTHORITY OF DAVID G. WILLIAMS P.E. 11633 ON 05/17/17 IT IS NOT TO BE USED FOR PRICING, CONSTRUCTION, BIDDING OR PERMIT PURPOSES.

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

David G. Williams
Date _____ Registration No. 11633

PREPARED UNDER THE SEAL OF DAVID G. WILLIAMS
ISSUED FOR DESIGN REVIEW, NOT FOR PERMITTING, OR CONSTRUCTION

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DATE: 05.17.2017
REVISIONS:

PROJECT NO.: M17005
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