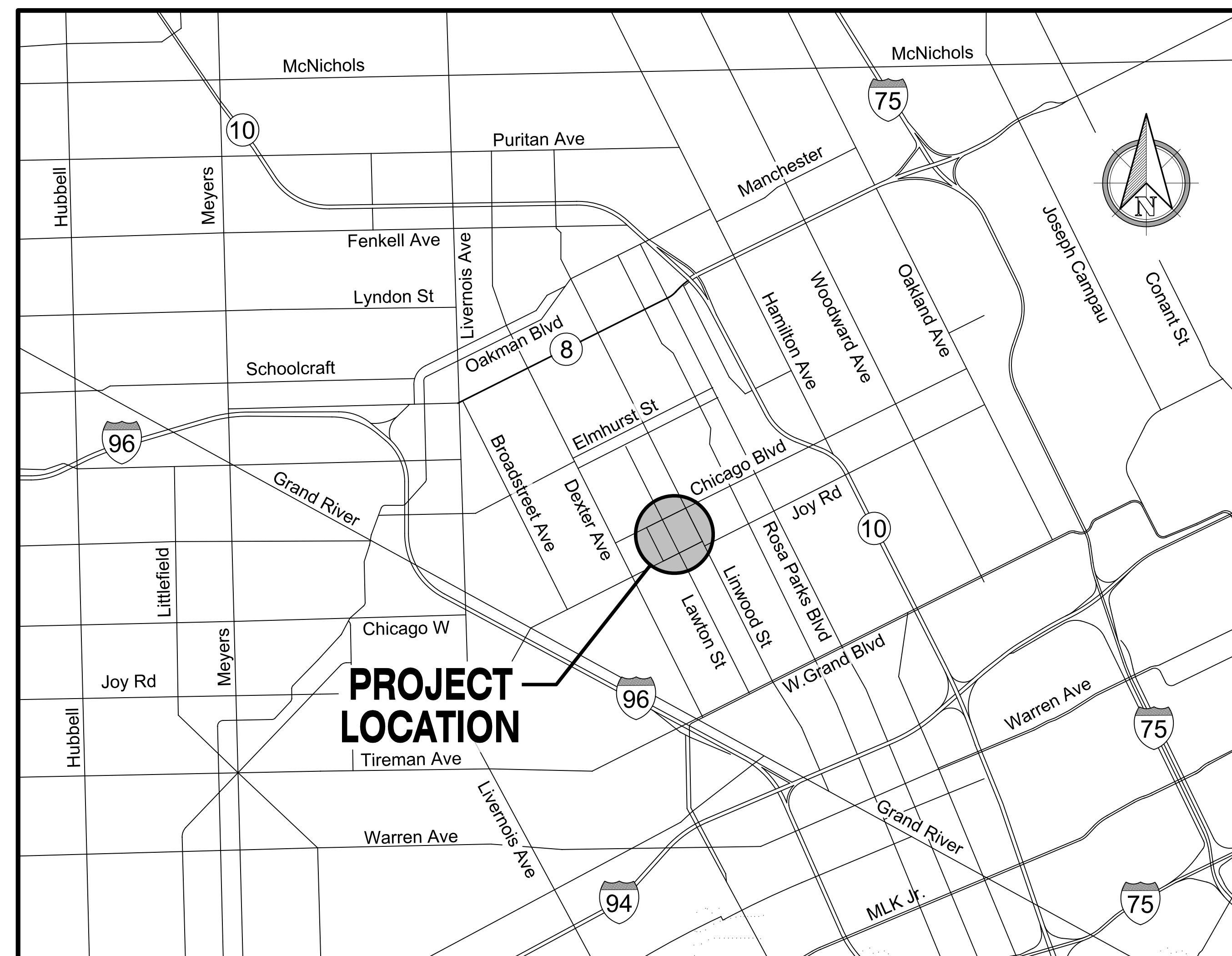


Archdiocese of Detroit

SACRED HEART MAJOR SEMINARY

BID PACKAGE No. 2

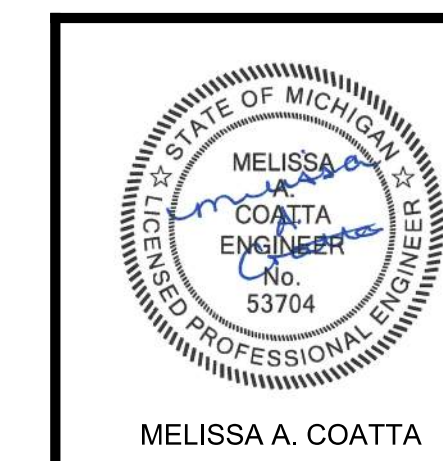
CHICAGO BOULEVARD ENTRANCE



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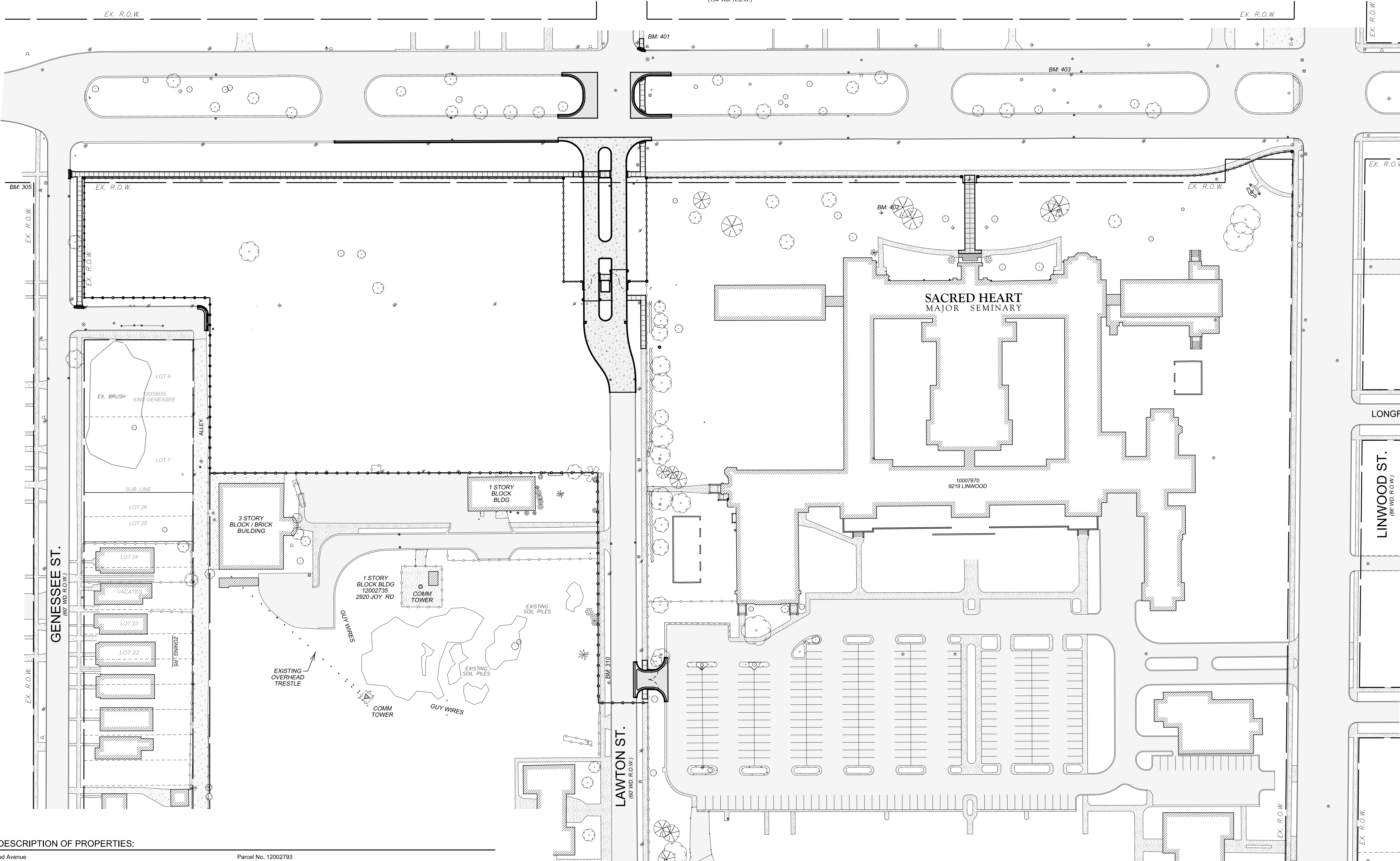
**GRISSIM
METZ
ANDRIESE**
ASSOCIATES
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Civil Engineering
300 East Cady Street
Northville, MI 48167
Ph: 248-347-7010
Fax: 248-347-7005
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HUBBELL, ROTH & CLARK, INC
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555 HULET DRIVE
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PHONE: (248) 454-6300
FAX (1st Floor): (248) 454-6312
FAX (2nd Floor): (248) 338-2592
WEB SITE: <http://www.hrc-enr.com>

Archdiocese of Detroit
**SACRED HEART
MAJOR SEMINARY**
**BID PACKAGE No. 2
CHICAGO BOULEVARD
ENTRANCE**
2701 W. CHICAGO BLVD.
DETROIT, MI 48206
WAYNE COUNTY MICHIGAN

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CHICAGO BLVD.
(194' WD. R.O.W.)

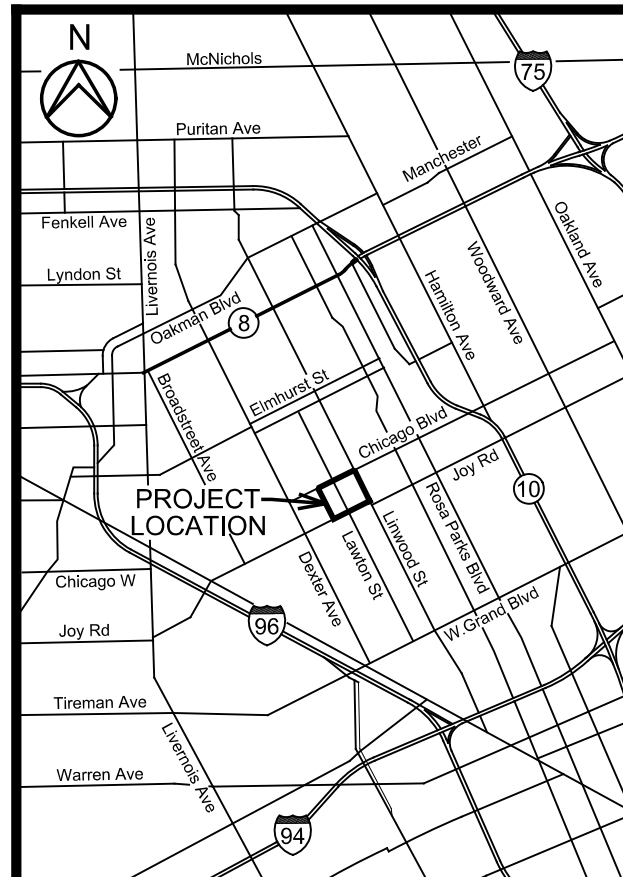


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06-06-2017	OWNER'S REVIEW
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DRAWN	R.C. Hardin
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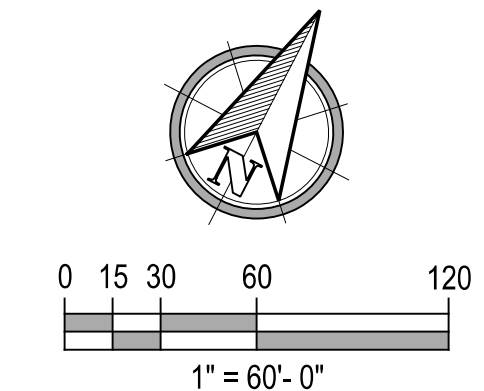
LEGAL DESCRIPTION OF PROPERTIES:

9219 Linwood Avenue
Parcel No. 10007670
Lot 5, Except that part in Linwood Avenue, as widened, vacated Alley adjacent to Lot 5 and vacated alley lying East of Lawton Avenue of "Sowersby's Subdivision" of the North 1/4 of the North 1/2 of the Southeast 1/4 of 1/4 Section 33, 10,000 A.T., Greenfield Township (now City of Detroit) Wayne County, Michigan, as recorded in Liber 31 of Plats, Page 85, Wayne County Records.
Also, Lots 1 thru 25, inclusive, vacated alley and vacated Longfellow Avenue lying East of Lawton Avenue of "Reichenbach's West Longfellow Subdivision" of the South 5 Acres of the North 10 Acres of the Southeast 1/4 of 1/4 Section 33, 10,000 A.T., City of Detroit, Wayne County, Michigan, as recorded in Liber 34 of Plats, Page 7, Wayne County Records.
Also, Lots 1 thru 22, inclusive and vacated alley adjacent of "Morrison's Longfellow Subdivision" of the Southern 5 Acres of the Northern 15 Acres of the Southeast 1/4 of 1/4 Section 33, 10,000 A.T., City of Detroit, Wayne County, Michigan, as recorded in Liber 35 of Plats, Page 11, Wayne County Records, North of Joy Road, West of Linwood and East of Lawton Avenue of 1/4 Section 33, 10,000 A.T.
Parcel No. 12002733-4
Lots 1 thru 6 inclusive "Montclair Heights Subn." of East 1/2 of Southwest 1/4 of 1/2 Section 33, 10,000 A.T., Greenfield Township (now City of Detroit), Wayne County, Michigan, as recorded in Liber 30 of Plats, Page 89, Wayne County Records.
Parcel No. 12002735
All that part of the Southwest 1/4 Section 33, T.T. City of Detroit, Wayne County, Michigan, bounded by Joy Road, Lawton Avenue, "Chicago Boulevard Land Company's Subdivision" of Lots 27 to 38 inclusive of Montclair Heights Subn., Also of Lots 26 to 38 inclusive of Reichenbach's Longfellow Subn., and vacated street and alleys, all in 1/3 Section 33, 10,000 A.T., City of Detroit, Wayne County, Michigan, as recorded in Liber 59 of Plats, Page 8, Wayne County Records and "Montclair Heights Subn." of East 1/2 of Southwest 1/4 of 1/2 Section 33, 10,000 A.T., Greenfield Township (now City of Detroit), Wayne County, Michigan, as recorded in Liber 30 of Plats, Page 89, Wayne County Records.

Parcel No. 12002793
Lot 10 "Chicago Boulevard Land Company's Subdivision" of Lots 27 to 38 inclusive of Montclair Heights Subn., Also of Lots 26 to 38 inclusive of Reichenbach's Longfellow Subn., and vacated street and alleys, all in 1/3 Section 33, 10,000 A.T., City of Detroit, Wayne County, Michigan, as recorded in Liber 59 of Plats, Page 8, Wayne County Records.
Parcel No. 12002794
Lot 9 and the East 5 feet of Lot 8 "Chicago Boulevard Land Company's Subdivision" of Lots 27 to 38 inclusive of Montclair Heights Subn., Also of Lots 26 to 38 inclusive of Reichenbach's Longfellow Subn., and vacated street and alleys, all in 1/3 Section 33, 10,000 A.T., City of Detroit, Wayne County, Michigan, as recorded in Liber 59 of Plats, Page 8, Wayne County Records.
Parcel No. 12002795
The West 148 feet of Lot 8 "Chicago Boulevard Land Company's Subdivision" of Lots 27 to 38 inclusive of Montclair Heights Subn., Also of Lots 26 to 38 inclusive of Reichenbach's Longfellow Subn., and vacated street and alleys, all in 1/3 Section 33, 10,000 A.T., City of Detroit, Wayne County, Michigan, as recorded in Liber 59 of Plats, Page 8, Wayne County Records.
Parcel No. 2002802
Lots 1 and 2 and the East 60.00 feet of Lot 3 "Chicago Boulevard Land Company's Subdivision" of Lots 27 to 38 inclusive of Montclair Heights Subn., Also of Lots 26 to 38 inclusive of Reichenbach's Longfellow Subn., and vacated street and alleys, all in 1/3 Section 33, 10,000 A.T., City of Detroit, Wayne County, Michigan, as recorded in Liber 59 of Plats, Page 8, Wayne County Records.
Parcel No. 12002803
The West 60 feet of Lot 3 and the East 80 feet of Lot 4 "Chicago Boulevard Land Company's Subdivision" of Lots 27 to 38 inclusive of Montclair Heights Subn., Also of Lots 26 to 38 inclusive of Reichenbach's Longfellow Subn., and vacated street and alleys, all in 1/3 Section 33, 10,000 A.T., City of Detroit, Wayne County, Michigan, as recorded in Liber 59 of Plats, Page 8, Wayne County Records.
Parcel No. 12002804
Lot 5 and the East 40 feet of Lot 4 "Chicago Boulevard Land Company's Subdivision" of Lots 27 to 38 inclusive of Montclair Heights Subn., Also of Lots 26 to 38 inclusive of Reichenbach's Longfellow Subn., and vacated street and alleys, all in 1/3 Section 33, 10,000 A.T., City of Detroit, Wayne County, Michigan, as recorded in Liber 59 of Plats, Page 8, Wayne County Records.

BENCH MARKS			
HRC B.M. No.	NORTHING EASTING	ELEV.	DESCRIPTION
302	N: 321318.1308 E: 13462047.61	156.42	N. FLANGE BOLT ON HYDRANT @ THE SOUTHWEST CORNER OF LONGFELLOW AND LAWTON
305	N: 321177.8276 E: 13461962.36	157.76	N. FLANGE BOLT ON HYDRANT, WEST SIDE OF GENESSEE - 85' W SOUTH OF CHICAGO RD
310	N: 320969.5800 E: 13462231.47	157.83	S. FLANGE BOLT ON HYDRANT, WEST SIDE OF LAWTON @ THE N ENTRANCE TO CHURCH
401	N: 321661.9177 E: 13461923.27	158.02	W. FLANGE BOLT ON HYDRANT @ NE CORNER OF LAWTON AND CHICAGO BLVD.
402	N: 321614.2643 E: 13462262.11	158.54	E. BOLT ON LIGHT POLE 50' ± S. OF CHICAGO BLVD. & 75' ± WEST OF OLD ENTRANCE TO SACRED HEART
403	N: 321863.4317 E: 13462386.39	157.73	ARROW ON HYD. N. SIDE OF ISLAND 200' ± WEST OF LINWOOD ON WEST BOUND CHICAGO BLVD. SIDE

LEGEND	
	EXISTING CONCRETE PAVEMENT
	EXISTING ASPHALT PAVEMENT
	EXISTING CONCRETE WALK
	PROPOSED 2.0' WIDE CONCRETE FACE CURB
	PROPOSED CONCRETE PAVEMENT
	PROPOSED CONCRETE SIDEWALK
	PROPOSED BITUMINOUS PAVEMENT
	PROP. DECORATIVE FENCE - PROP. CHAIN LINK FENCE
	PROPOSED CONCRETE GUTTER - DETAIL F4



NOTICE:
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STATE OF MICHIGAN
MELISSA A. COATTA
ENGINEER
No. 531704
PROFESSIONAL ENGINEER

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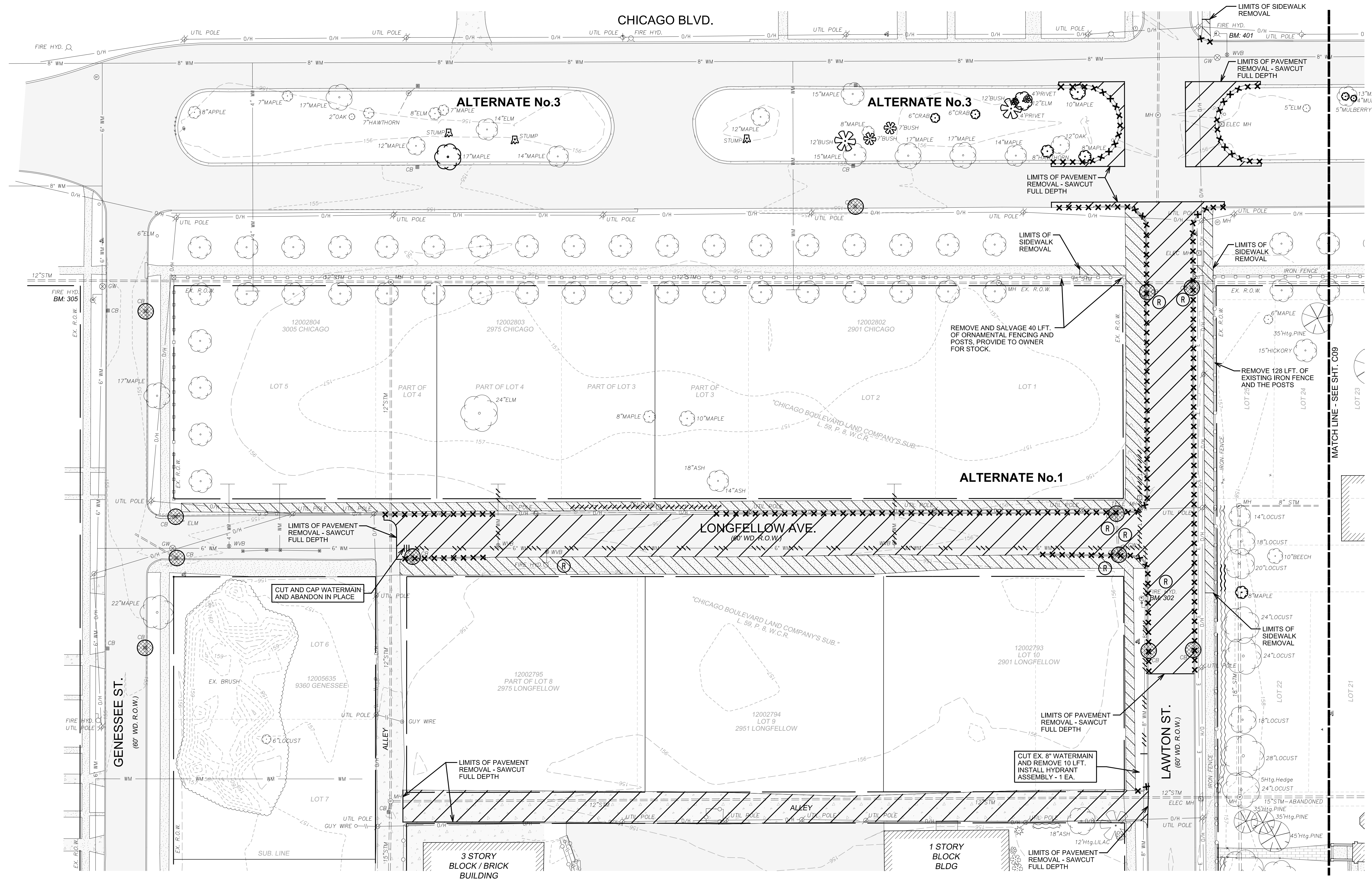
Archdiocese of Detroit
SACRED HEART MAJOR SEMINARY
BID PACKAGE No. 2 CHICAGO BOULEVARD ENTRANCE
2701 W. CHICAGO BLVD. DETROIT, MI 48206
WAYNE COUNTY MICHIGAN

OVERALL PROPOSED SITE PLAN WITH ALTERNATES 1,2,3 & 4

HRC JOB NO.	SCALE
201702223	1" = 60'
DATE	SHEET NO.
JUNE 2017	C 02

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SACRED HEART MAJOR SEMINARY

GRISSIM METZ ANDRIESE ASSOCIATES

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Archdiocese of Detroit

SACRED HEART MAJOR SEMINARY

BID PACKAGE No. 2 CHICAGO BOULEVARD ENTRANCE

2701 W. CHICAGO BLVD. DETROIT, MI 48206

WAYNE COUNTY MICHIGAN

ALTERNATES No.1 & No. 3

S.E.S.C. AND REMOVAL PLAN

HRC JOB NO. 20170223 SCALE 1" = 30'

DATE JUNE 2017 SHEET NO. C 08

ALTERNATE 3 - REMOVAL QUANTITIES

ITEM	QTY.	UNIT
Remove Shrubbery, 4 ft. to 12ft. Height	12	Lt
Remove Tree, 6 inch to 18 inch	8	Ea
Remove Stump, 19 inch to 36 inch	3	Ea
Erosion Control, Inlet Protection, Fabric Drop	1	Ea

ALTERNATE 1 - REMOVAL QUANTITIES

ITEM	QTY.	UNIT
Remove Existing Pavement and Sidewalk	4737	Syd
Remove Conc Curb and Gutter	1332	Lt
Remove Sign and Post	6	Ea
Remove and Salvage Sign and Post	3	Ea
Remove Dr Structure	2	Ea
Remove Fire Hydrant	2	Ea
Remove Gatewell	1	Ea
Remove Watermain, 6"	10	Lt
Cut and Cap Watermain, 6"	1	Ea
Cut and Cap Watermain, 8"	1	Ea
Erosion Control, Inlet Protection, Fabric Drop	11	Ea

BENCH MARKS

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305	N: 321177.8276 E: 13461982.26	157.76	N. FLANGE BOLT ON HYDRANT, WEST SIDE OF GENESSEE - 60' W. SOUTH OF CHICAGO RD
310	N: 320969.5880 E: 13462231.47	157.83	S. FLANGE BOLT ON HYDRANT, WEST SIDE OF LAWTON @ THE N. ENTRANCE TO CHURCH
401	N: 321661.9177 E: 13461923.27	158.02	W. FLANGE BOLT ON HYDRANT @ NE CORNER OF LAWTON AND CHICAGO BLVD.

LEGEND

	EXISTING BUILDINGS		EX. UNDERGROUND ELECTRICAL		EXISTING CURBS & GUTTER REMOVAL
	EXISTING CONCRETE PAVEMENT		EX. OVERHEAD ELECTRICAL		EXIST. UNDERGROUND UTILITY ABANDONED IN PLACE
	EXISTING ASPHALT PAVEMENT		INLET PROTECTION SILT SACKS @ CB'S		EXIST. UNDERGROUND OR OVERHEAD UTILITY REMOVAL
	EXISTING CONCRETE WALK		TREE PROTECTION FENCE - SEE DETAIL		EXISTING STRUCTURE REMOVAL
	EX. STORM SEWER		SILT FENCE & LIMITS OF DISRUPTION		EXISTING TREE AND HEDGE ROW TO BE REMOVED
	EX. SANITARY SEWER		EXISTING PAVEMENT REMOVAL		EXISTING TREE AND HEDGE ROW TO REMAIN UNDISTURBED
	EX. WATER MAIN		EXIST. SIDEWALK REMOVAL		
	EX. GAS MAIN				

NOTICE:
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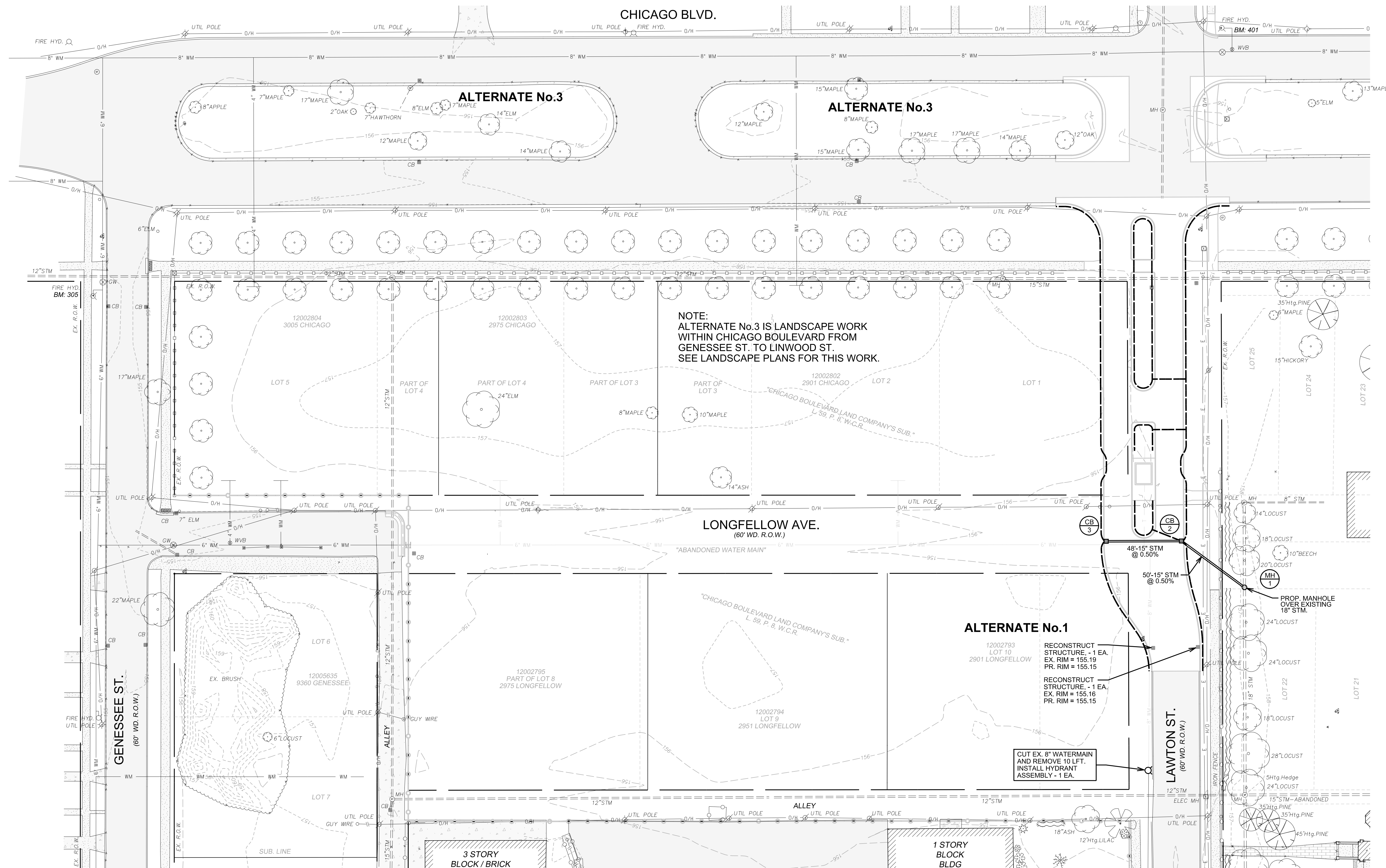
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NOTE:
 ALTERNATE No. 3 IS LANDSCAPE WORK
 WITHIN CHICAGO BOULEVARD FROM
 GENESSEE ST. TO LINWOOD ST.
 SEE LANDSCAPE PLANS FOR THIS WORK.

ALTERNATE No. 1
 12002793
 LOT 10
 2901 LONGFELLOW
 RECONSTRUCT
 STRUCTURE - 1 EA.
 EX. RIM = 155.19
 PR. RIM = 155.15
 RECONSTRUCT
 STRUCTURE - 1 EA.
 EX. RIM = 155.16
 PR. RIM = 155.15

CUT EX. 8" WATERMAIN
 AND REMOVE 10 LFT.
 INSTALL HYDRANT
 ASSEMBLY - 1 EA.

DRAINAGE STRUCTURE SCHEDULE

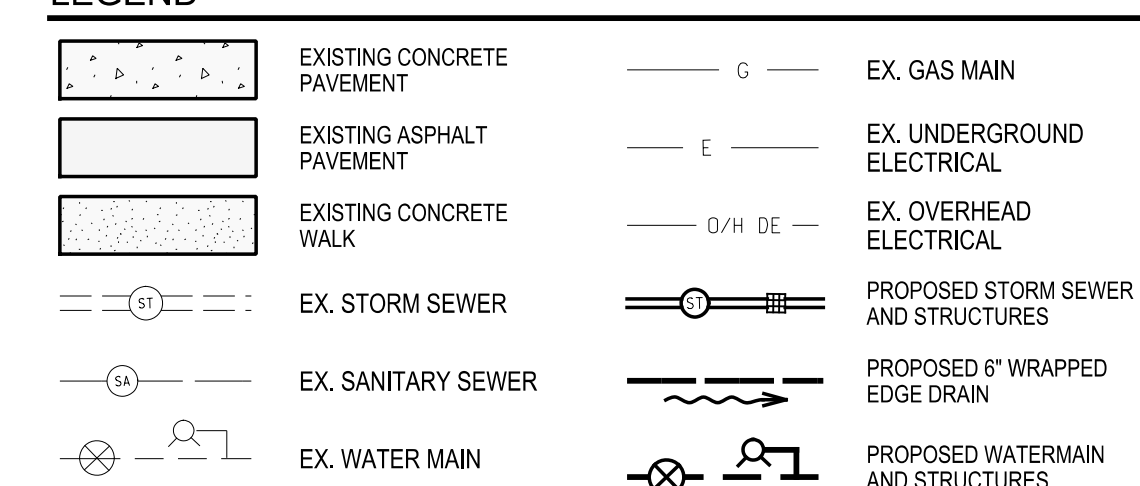
STRUCTURE	COORDINATES	RIM	INVERTS	FRAME & COVER TYPE	DESCRIPTION
MH 1	N:321351.1806 E:13462101.15	PR. 158.14	EX 18" NNW = 143.48± EX 18" SSW = 143.49± PR. 15" W = 144.28	EJ 1040	4' DIA. Drainage Structure Over Existing 18" STM.
CB 2	N:321358.9300 E:13462051.32	PR. 154.84	PR. 15" E = 144.53 PR. 15" WSW = 144.53	EJ 5000 M3 WITH 7 HOLES	4' DIA. Drainage Structure With 2' Sump
CB 3	N:321336.6750 E:13462009.23	PR. 154.84	PR. 15" ENE = 144.78	EJ 5000 M3 WITH 7 HOLES	4' DIA. Drainage Structure With 2' Sump

NOTES:
 STRUCTURES COORDINATES GIVEN ARE TO CENTER OF STRUCTURE.

ALTERNATE 1 - UTILITY QUANTITIES

ITEM	QTY.	UNIT
Edge Drain, 6" w/MDOT 34R and Geofabric	1030	Lt
Edge Drain Tap	10	Ea
15" RCP CL. IV. with Trench 'A' Backfill	98	Lt
Dr Structure, 48 inch Dia w/ 2' Sump	2	Ea
Dr Structure 48 inch Dia, over Existing	1	Ea
Fire Hydrant, per City of Detroit Spec	1	Ea
Dr. Structure Grate, EJ 5000 w/ 7 Holes	2	Ea
Dr. Structure Grate, EJ 1040 or Equal	1	Ea
Reconstruct Dr Structure	2	Ea

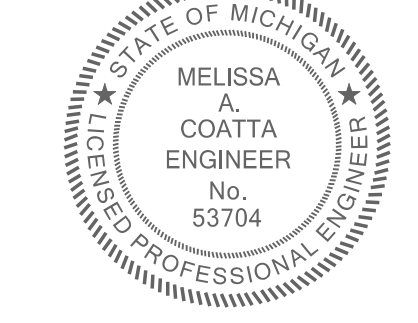
LEGEND



BENCH MARKS

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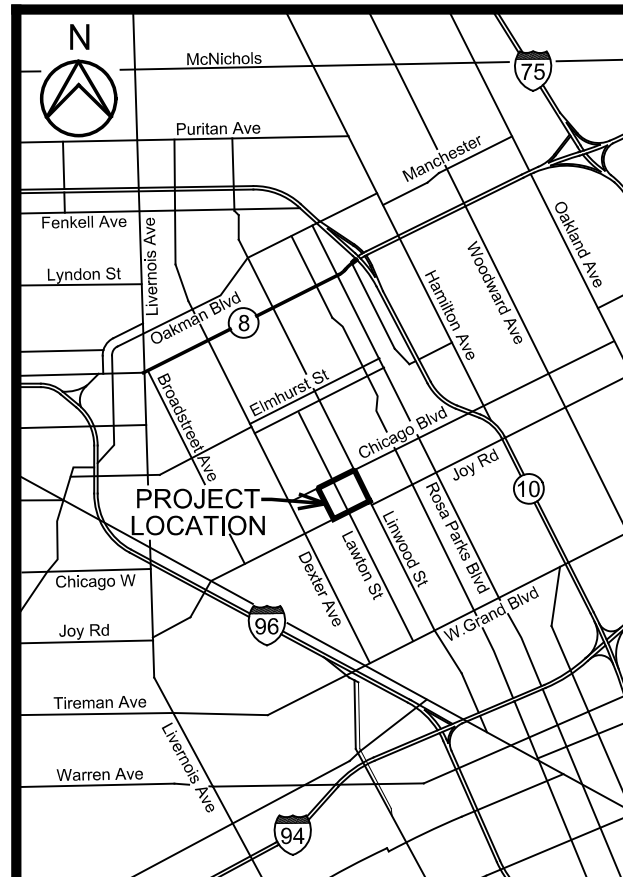
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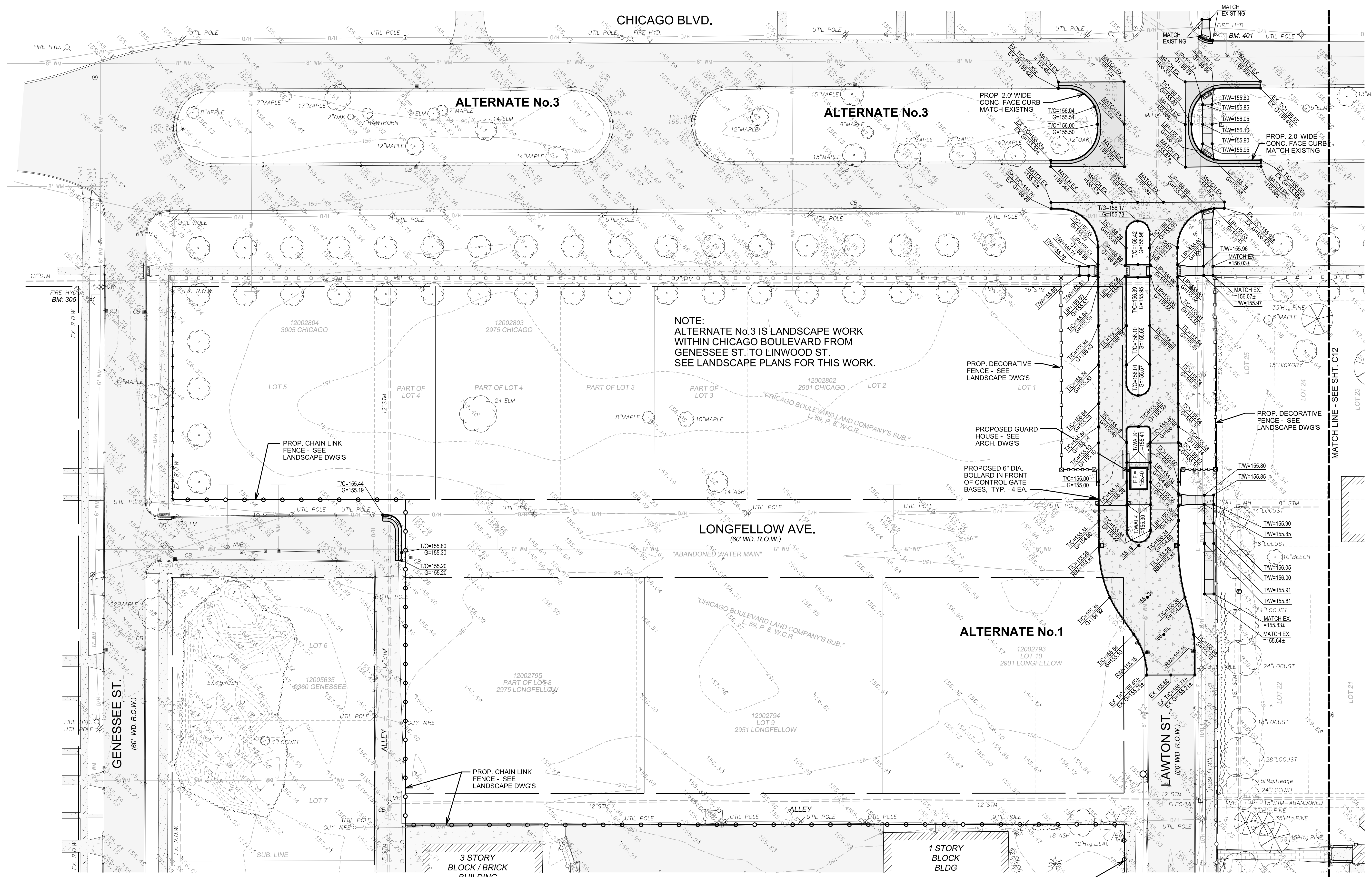
Archdiocese of Detroit
SACRED HEART MAJOR SEMINARY
BID PACKAGE No. 2
CHICAGO BOULEVARD ENTRANCE
 2701 W. CHICAGO BLVD.
 DETROIT, MI 48206
 WAYNE COUNTY MICHIGAN

ALTERNATES No.1 & No. 3
PROPOSED UTILITY PLAN
 HRC JOB NO. 20170223
 DATE JUNE 2017
 SCALE 1" = 30'
 SHEET NO. C 10

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NOTE:
ALTERNATE No.3 IS LANDSCAPE WORK
WITHIN CHICAGO BOULEVARD FROM
GENESSEE ST. TO LINWOOD ST.
SEE LANDSCAPE PLANS FOR THIS WORK.

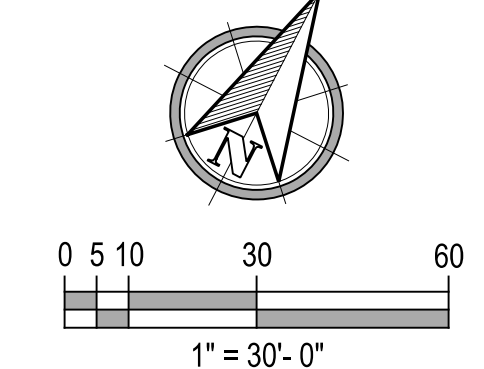
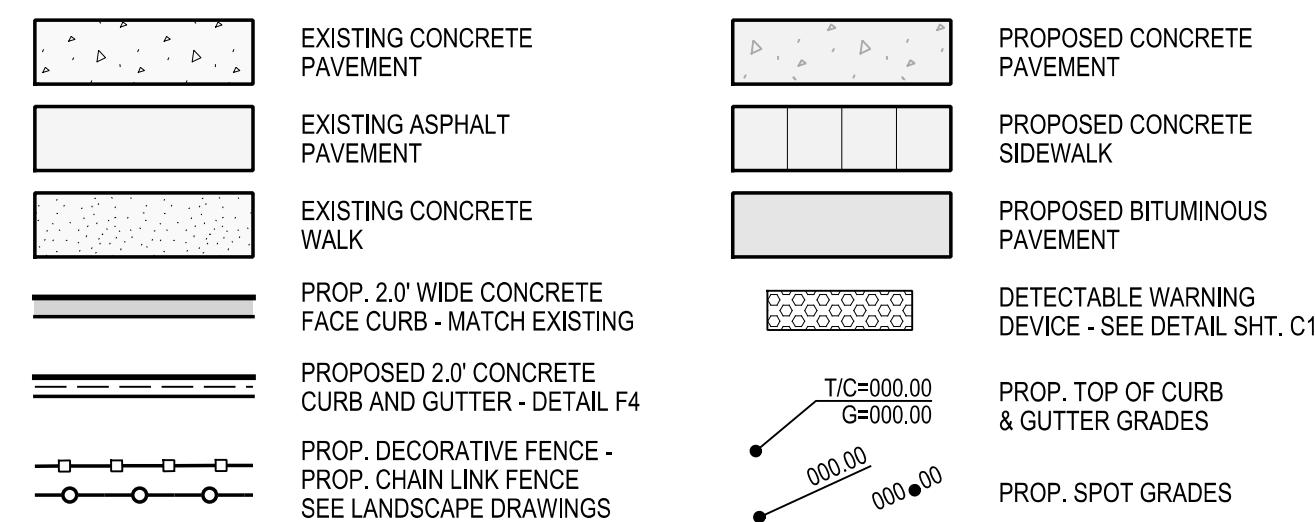
LONGFELLOW AVE.
(60' WD. R.O.W.)

ALTERNATE No.1

ALTERNATE 1 - PAVEMENT QUANTITIES

ITEM	QTY.	UNIT
Reinstall Sign and Post	3	Ea
Subgrade Undercutting, Type II Modified, 1" x 3" Crushed Concrete	115	Cyd
Station Grading - Special	3.02	Sta
Site Grading	1	Lsum
Aggregate Base, 21AA Limestone	820	Tons
Sidewalk, Conc. 4" on 4" Granular Base	840	Sft
Sidewalk, Conc. 6" on 4" Granular Base	152	Sft
Sidewalk Ramp, Conc. 6" on 4" Granular Base	386	Sft
Detectable Warning Surface	47	Lft
7" Conc Pavt., Nonreinforced with Integral Curb	1411	Syd
10" Conc Pavt., Nonreinforced with 2" HMA, F Mix	151	Syd
R-7561 Bollard, incl. Footing	4	Ea
Curb and Gutter, Conc, Det F4	35	Lft
Curb and Gutter, Conc, 2.0' Face Curb	470	Lft
Maintaining Traffic	1	Lsum

LEGEND



BENCH MARKS

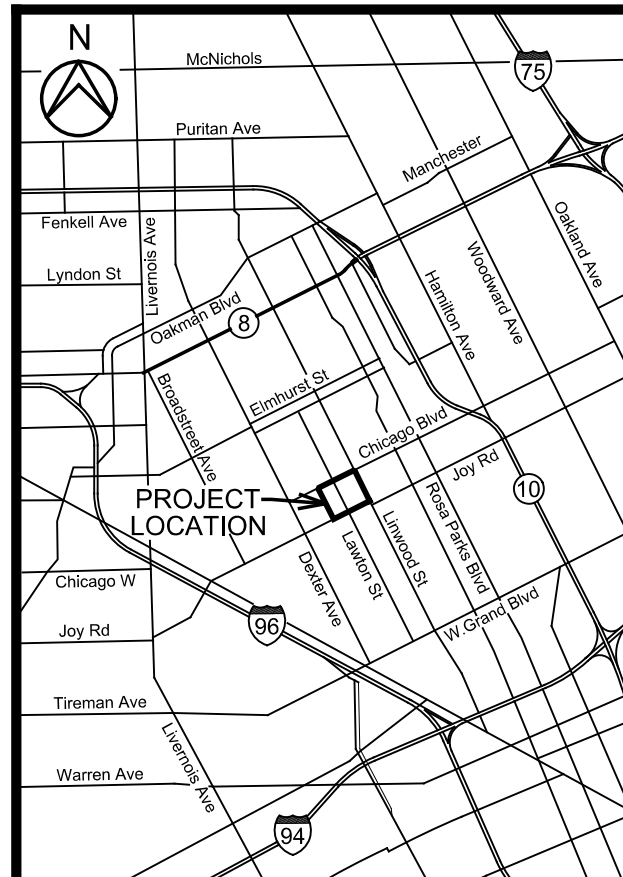
HRC B.M. No.	NORTHING EASTINGS	ELEV.	DESCRIPTION
302	N: 321319.1306 E: 13462047.61	156.42	N. FLANGE BOLT ON HYDRANT @ THE SOUTHWEST CORNER OF LONGFELLOW AND LAWTON
305	N: 321177.8276 E: 13461362.36	157.76	N. FLANGE BOLT ON HYDRANT, WEST SIDE OF GENESSEE - 60' N. SOUTH OF CHICAGO RD
310	N: 320969.5880 E: 13462231.47	157.83	S. FLANGE BOLT ON HYDRANT, WEST SIDE OF LAWTON @ THE N. ENTRANCE TO CHURCH
401	N: 321661.9177 E: 13461923.27	158.02	W. FLANGE BOLT ON HYDRANT @ NE CORNER OF LAWTON AND CHICAGO BLVD.

SACRED HEART MAJOR SEMINARY

GRISSIM METZ ANDRIESE
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FAX (2nd Floor): (248) 338-2592
WEB SITE: <http://www.hrc-engr.com>

06-20-2017	ISSUED FOR BIDS
06-06-2017	OWNER'S REVIEW
DATE	ISSUED FOR / ADDITIONS / REVISIONS
DESIGNED	M.A. Coatta
DRAWN	R.C. Hardin
CHECKED	G.J. Tressel
APPROVED	K.D. McCormack



Archdiocese of Detroit
SACRED HEART MAJOR SEMINARY
BID PACKAGE No. 2 CHICAGO BOULEVARD ENTRANCE
2701 W. CHICAGO BLVD.
DETROIT, MI 48206
WAYNE COUNTY MICHIGAN

ALTERNATES No.1 & No. 3
PROPOSED PAVEMENT / GRADING PLAN

HRC JOB NO. 20170223 SCALE 1" = 30'
DATE JUNE 2017 SHEET NO. C 11

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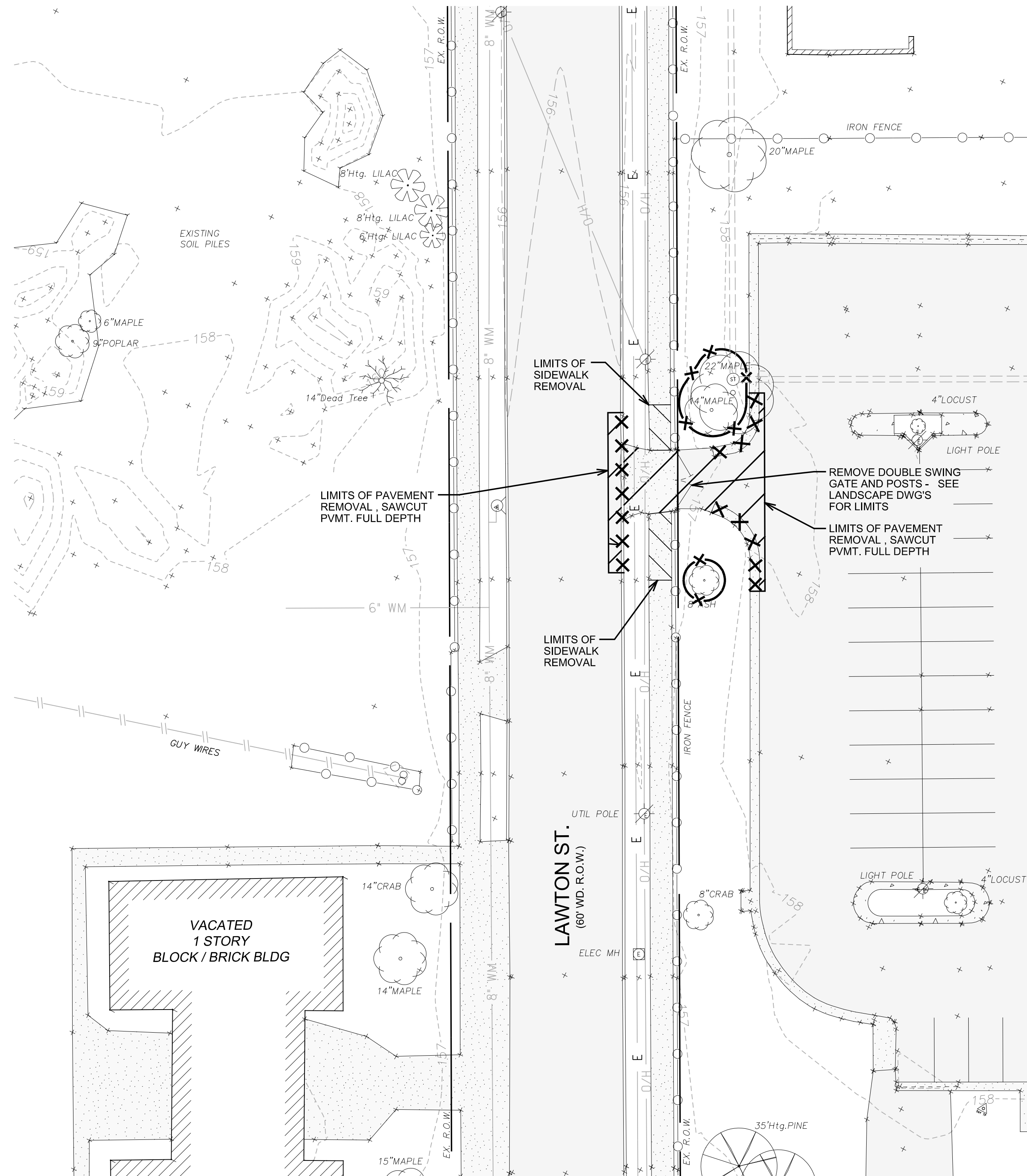
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EXISTING TOPOGRAPHY & REMOVAL PLAN

ALTERNATE 4 - REMOVAL QUANTITIES

ITEM	QTY.	UNIT
Remove Existing Pavement and Sidewalk	102	Syd
Remove Conc Curb and Gutter	70	Lft
Remove Gate and Posts	30	Lft
Protective Tree Fence	65	Lft

LEGEND - EXISTING TOPOGRAPHY & REMOVALS

	EXISTING BUILDINGS		EX. WATER MAIN		EXISTING PAVEMENT REMOVAL
	EXISTING CONCRETE PAVEMENT		EX. GAS MAIN		EXIST. SIDEWALK REMOVAL
	EXISTING ASPHALT PAVEMENT		EX. UNDERGROUND ELECTRICAL		EXISTING TREE AND HEDGE ROW TO BE REMOVED
	EXISTING CONCRETE WALK		EX. OVERHEAD ELECTRICAL		EXISTING TREE AND HEDGE ROW TO REMAIN UNDISTURBED
	EX. STORM SEWER		TREE PROTECTION FENCE - SEE DETAIL		EXISTING CURB & GUTTER REMOVAL
	EX. SANITARY SEWER		EXISTING CURB & GUTTER REMOVAL		

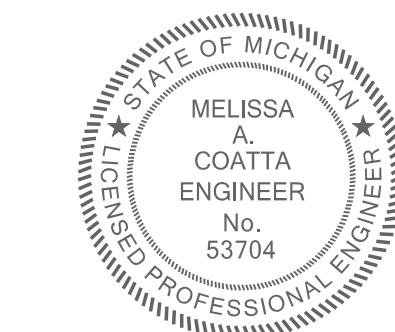
BENCH MARKS

HRC B.M. No.	NORTHING	EASTING	ELEV.	DESCRIPTION
302	N: 321318.1308	E: 13462047.61	156.42	N. FLANGE BOLT ON HYDRANT @ THE SOUTHWEST CORNER OF LONGFELLOW AND LAWTON
305	N: 321177.8276	E: 13461382.36	157.76	N. FLANGE BOLT ON HYDRANT, WEST SIDE OF GENESEE - 60' +/- SOUTH OF CHICAGO RD
310	N: 320969.5880	E: 13462231.47	157.83	S. FLANGE BOLT ON HYDRANT, WEST SIDE OF LAWTON @ THE N. ENTRANCE TO CHURCH
401	N: 321661.9177	E: 13461923.37	158.02	W. FLANGE BOLT ON HYDRANT @ NE CORNER OF LAWTON AND CHICAGO BLVD.

LEGEND - PROPOSED

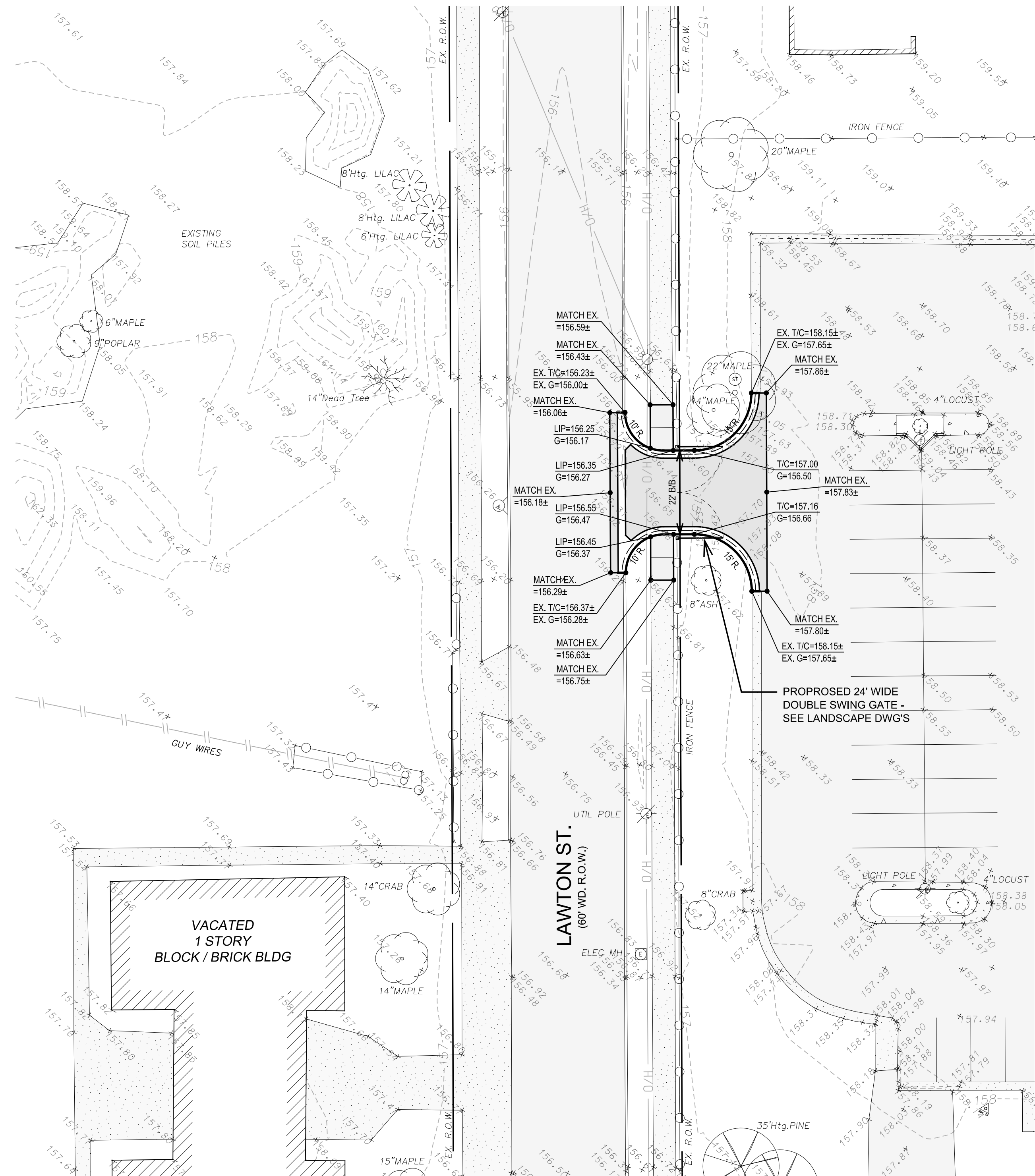
	EXISTING CONCRETE PAVEMENT		PROPOSED CONCRETE SIDEWALK
	EXISTING ASPHALT PAVEMENT		PROPOSED BITUMINOUS PAVEMENT
	EXISTING CONCRETE WALK		PROP. TOP OF CURB & GUTTER GRADES
	PROPOSED 2.0' CONCRETE CURB AND GUTTER - DETAIL F4		PROP. SPOT GRADES

NOTICE:
ALL EXISTING UTILITIES SHOWN ON THIS TOPOGRAPHIC SURVEY HAVE BEEN TAKEN FROM VISUAL OBSERVATION AND RECORD MAPPING WHERE AVAILABLE. NO GUARANTEE IS MADE, OR SHOULD BE ASSUMED, AS TO THE COMPLETENESS OR ACCURACY OF THE UTILITIES SHOWN ON THIS DRAWING. PARTIES UTILIZING THIS INFORMATION SHALL FIELD VERIFY THE ACCURACY AND COMPLETENESS PRIOR TO CONSTRUCTION.



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HRC JOB NO. 20170223	SCALE 1" = 20'
DATE JUNE 2017	SHEET NO. C 13



PROPOSED PAVEMENT / GRADING PLAN

ALTERNATE 4 - PAVEMENT QUANTITIES

ITEM	QTY.	UNIT
Aggregate Base, 21AA Limestone	44	Tons
2" HMA, 1300T 20AA, Mod	12	Tons
2" HMA, 3C	12	Tons
Sidewalk, Conc, 6" on 4" Granular Base	144	Sft
Curb and Gutter, Conc, Det F4	96	Lft
Curb and Gutter, Conc, Det M	42	Lft

Landscape Architecture
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300 East Coody Street
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DESIGNED	M.A. Coatta
DRAWN	R.C. Hardin
CHECKED	G.J. Tressel
APPROVED	K.D. McCormack



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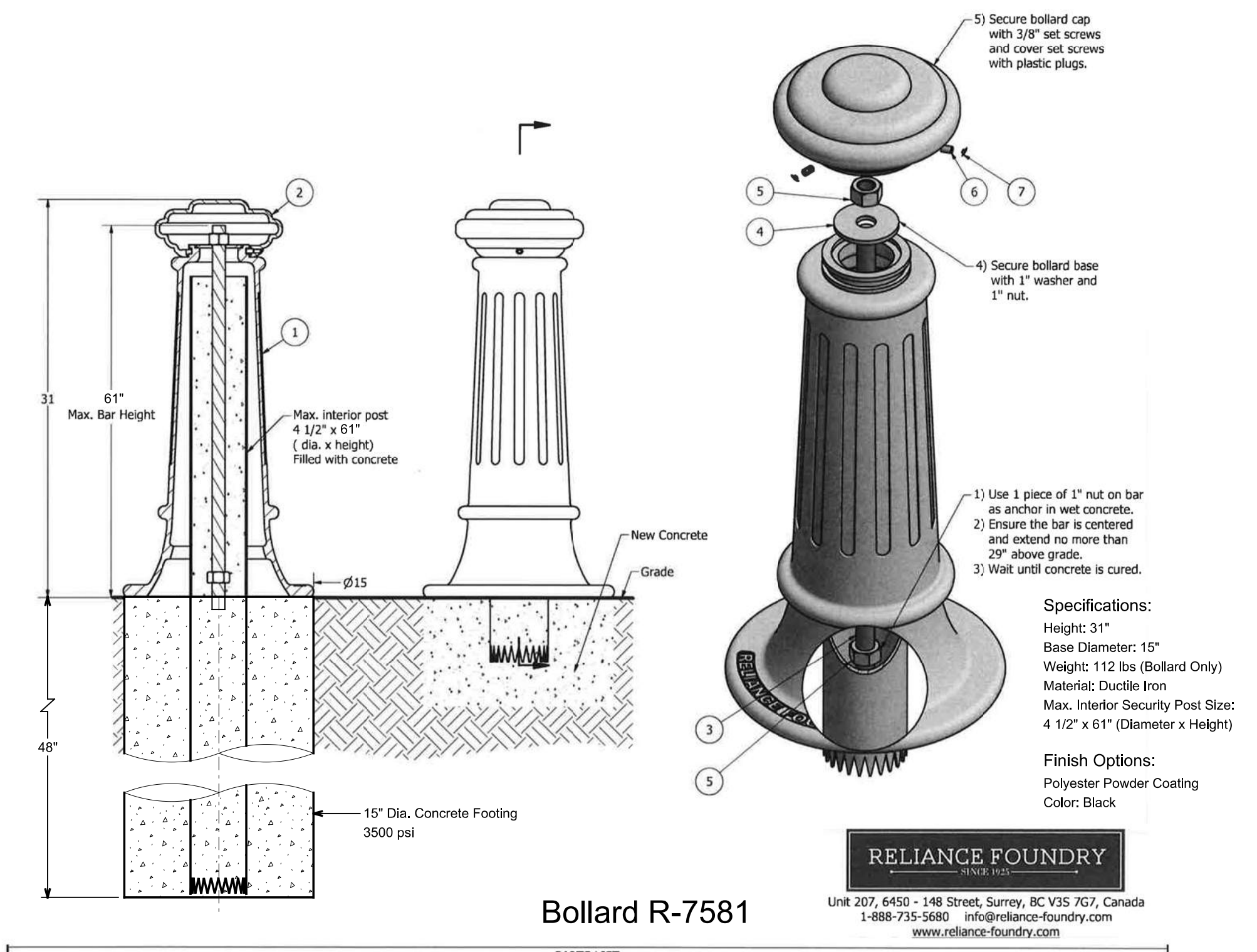
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ALTERNATE No.4

REMOVAL PLAN AND PROPOSED PAVEMENT / GRADING PLAN

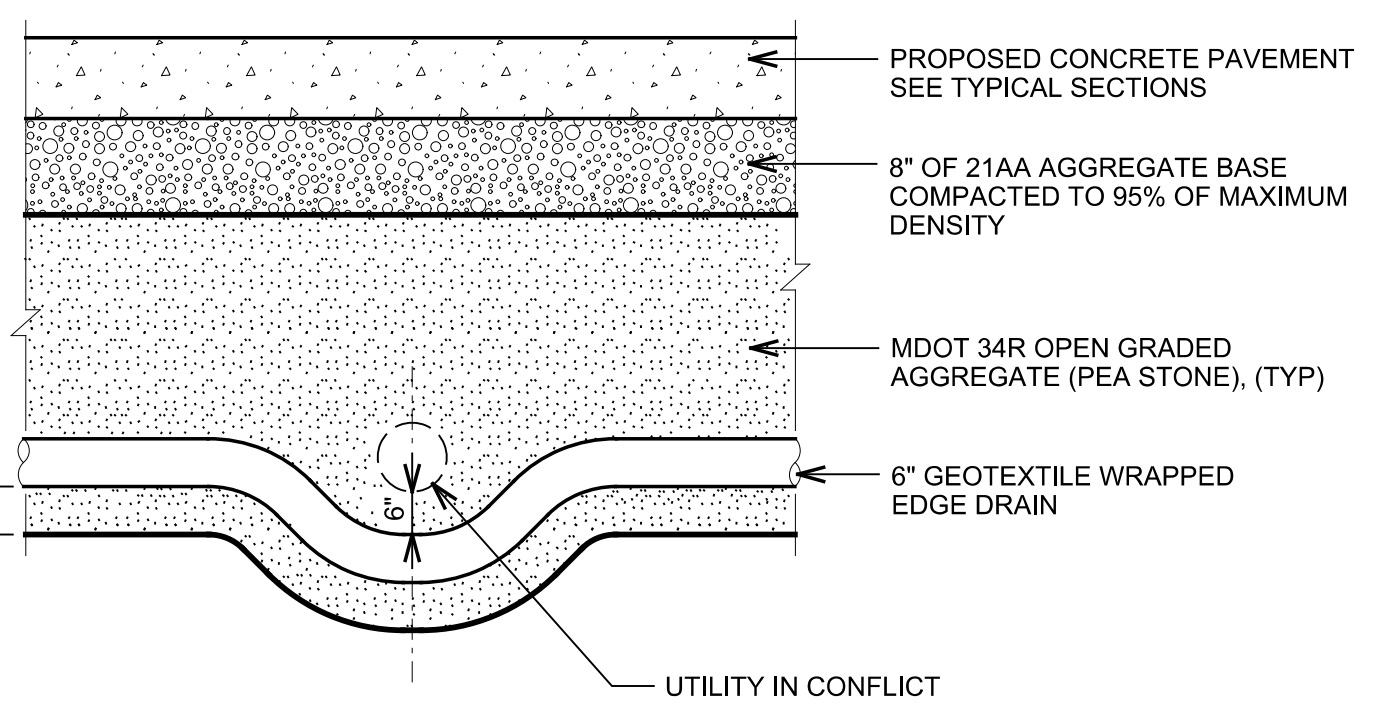
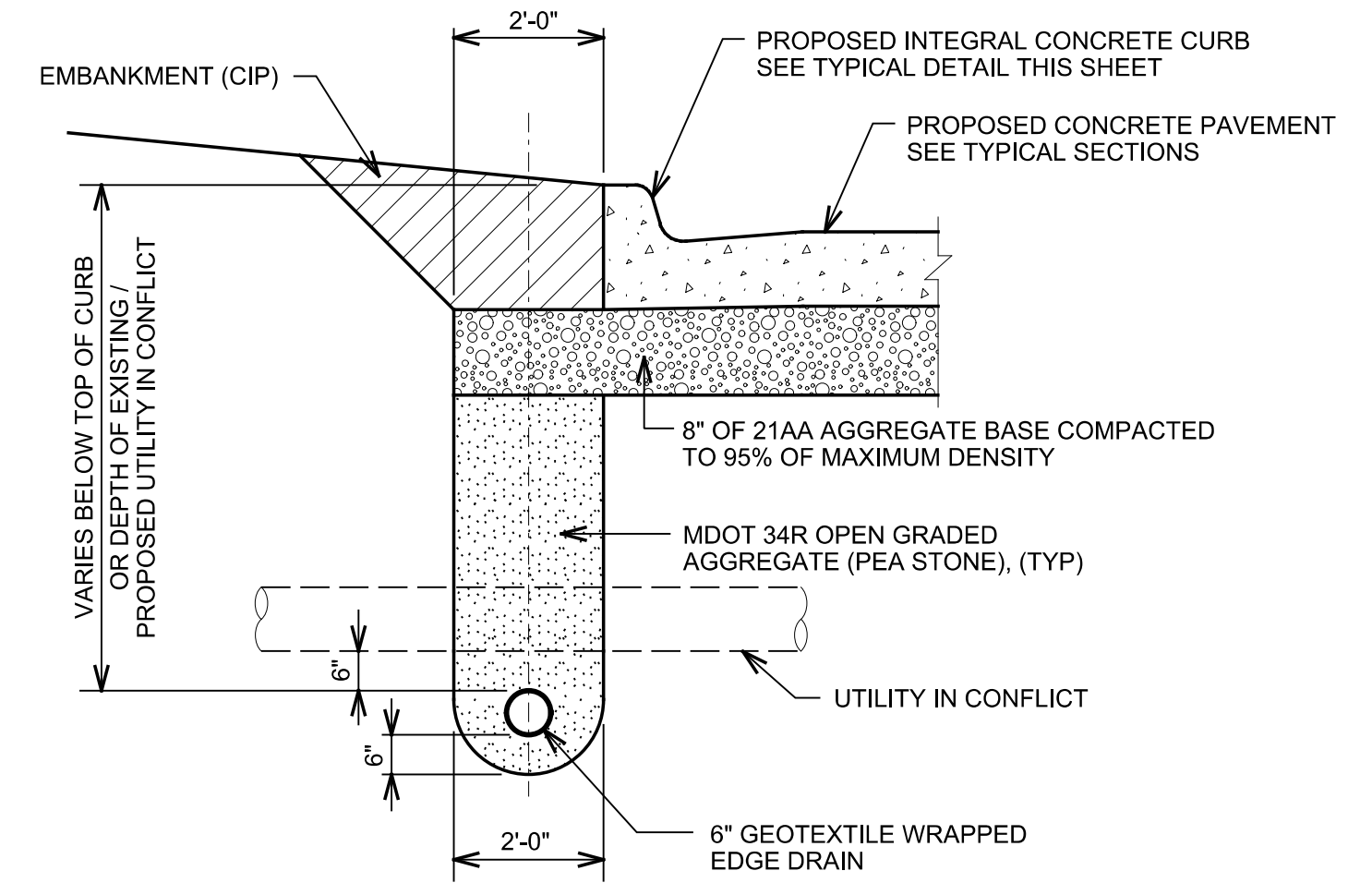
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DATE JUNE 2017	SHEET NO. C 13

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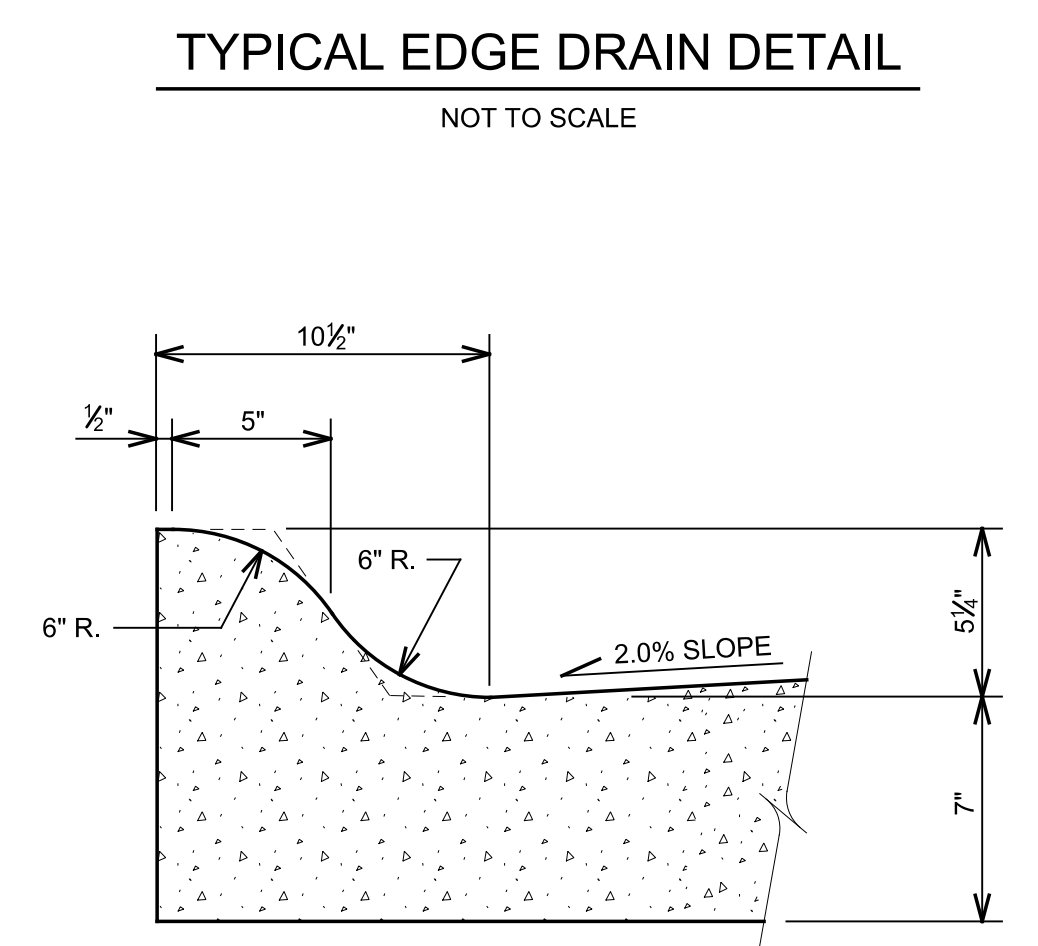
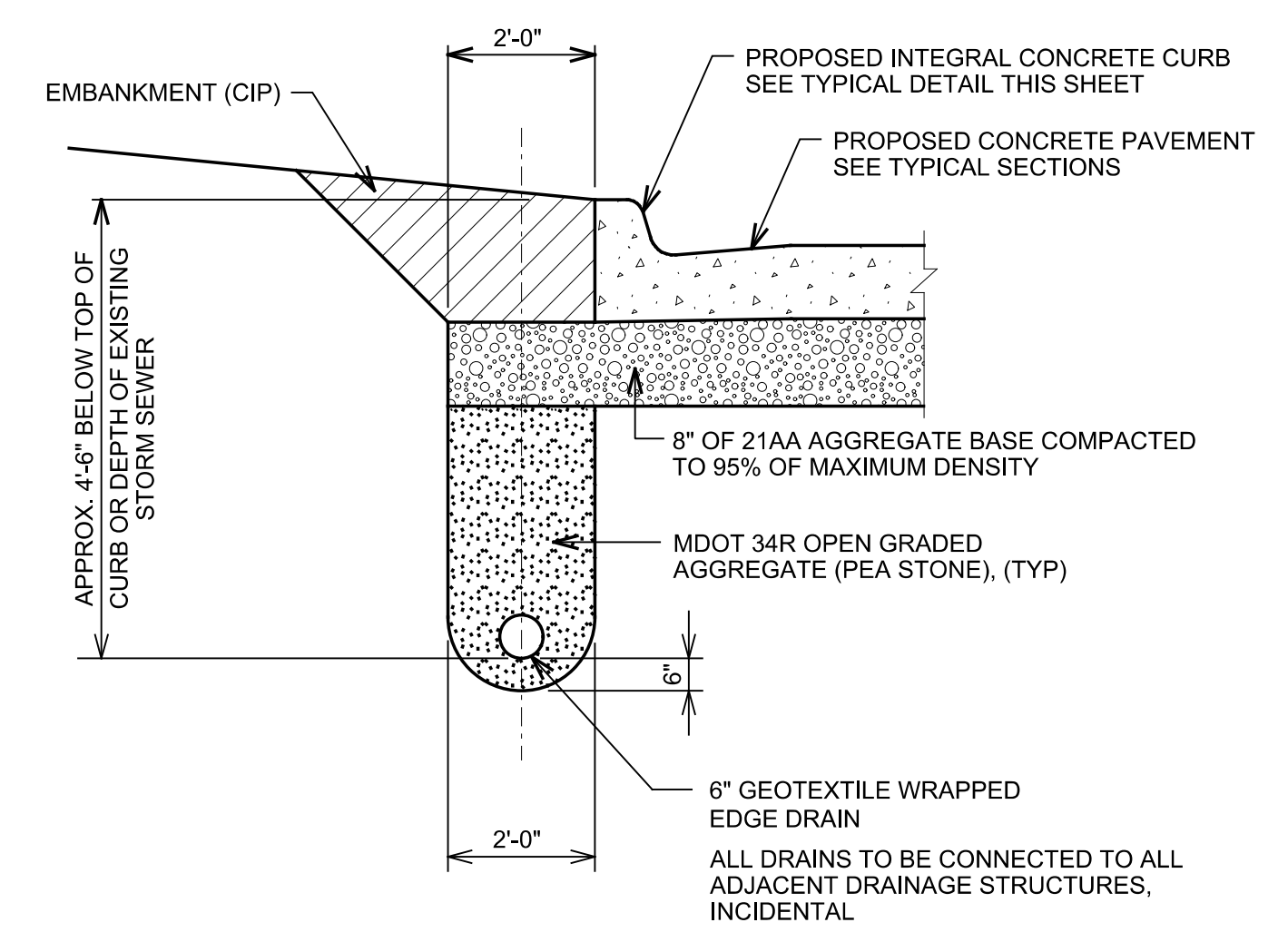


ITEM	QTY	PART NUMBER	DESCRIPTION	MATERIAL	WEIGHT
1	1	R7581B	R7581 Base	Ductile Iron Powder Coated	93 lbs
2	1	R7581C	R7581 Cap	Ductile Iron Powder Coated	19 lbs
3	1	R7500BAR 1"	R7500 Threaded Bar 1" x 30"	Steel Plated	5 1/2 lbs
4	1	Washer 1" OD 3 1/2"	Washer 1" OD 3 1/2" Thick 1/4"	Steel Plated	5/8 lbs
5	2	Hex Nut 1"	Hex Nut 1" - requires 1 1/2" wrench	Steel Plated	1/4 lbs
6	3	Hexagon Socket Set Screw 3/8" x 5/8"	Hexagon Socket Set Screw 3/8" x 5/8" - requires 3/16" hex key	Stainless Steel	1/4 lbs
7	3	Polyethylene Plug 3/8"	Polyethylene Plug 3/8"	LDPE Black	

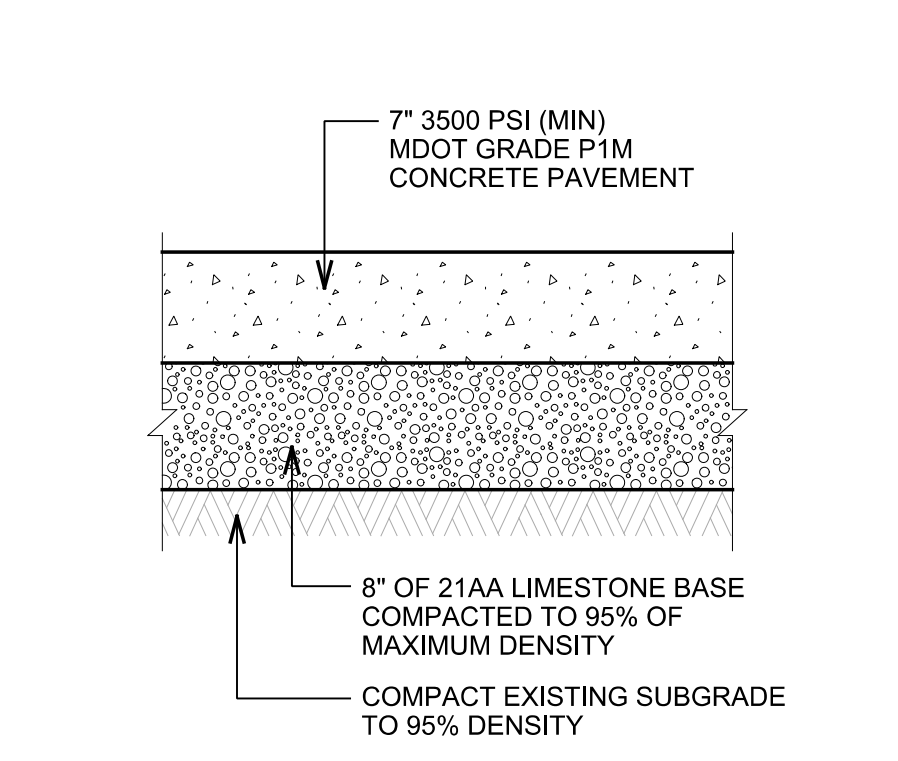
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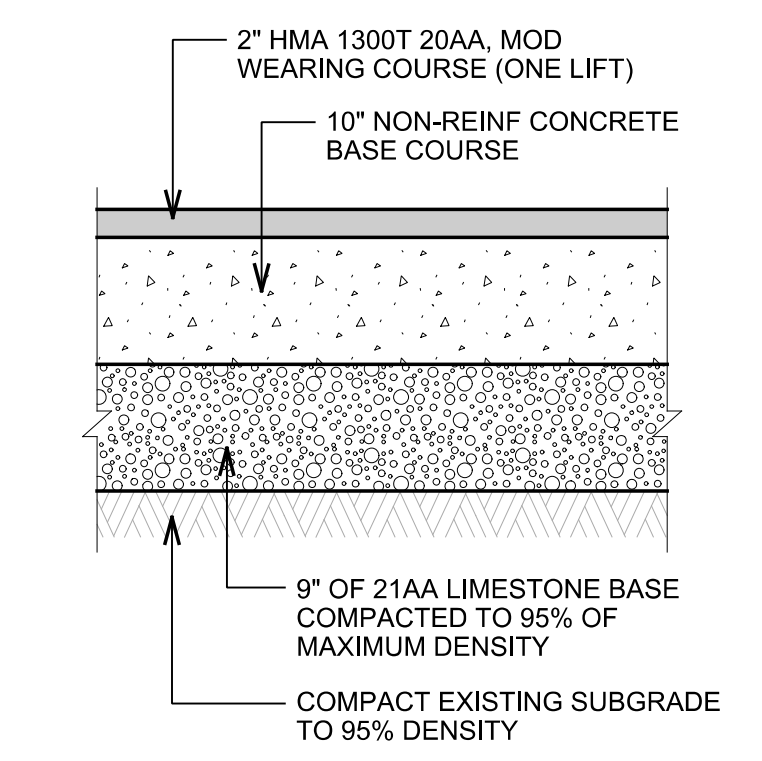
TYPICAL EDGE DRAIN DETAIL WITH UTILITY IN CONFLICT
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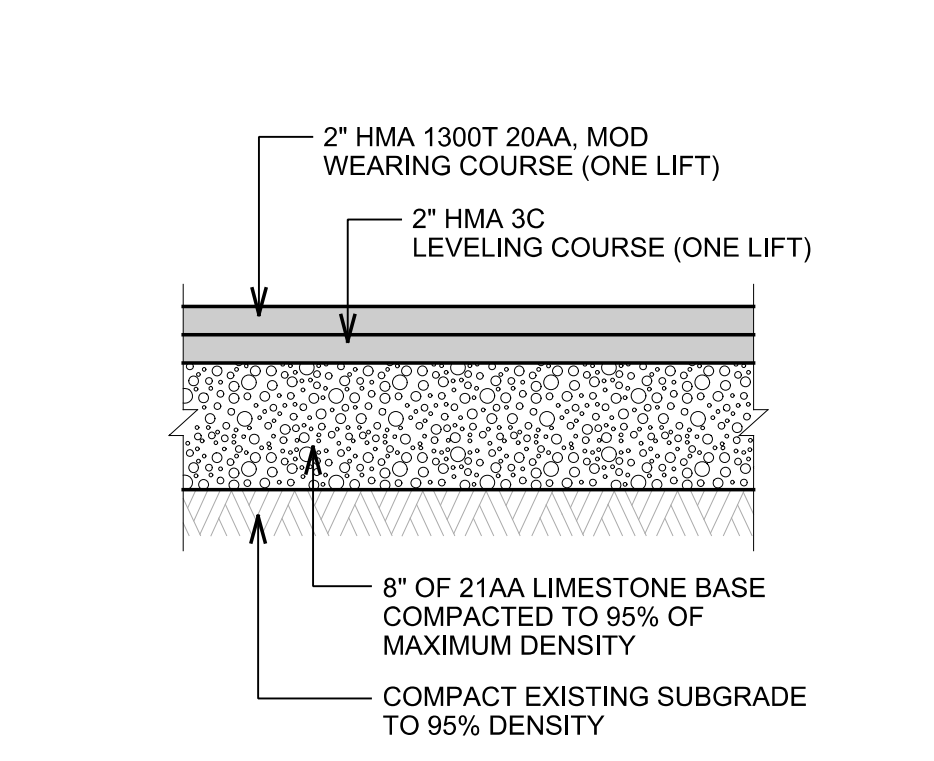
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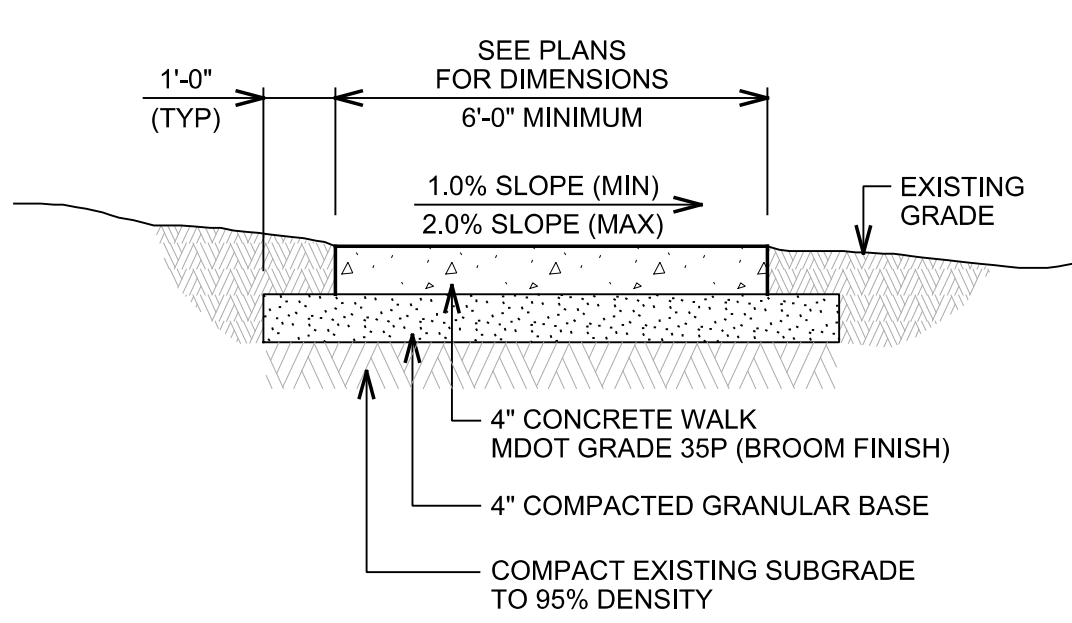
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TYPICAL PAVEMENT SECTION "CHICAGO BOULEVARD"
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TYPICAL BITUMINOUS PAVEMENT SECTION
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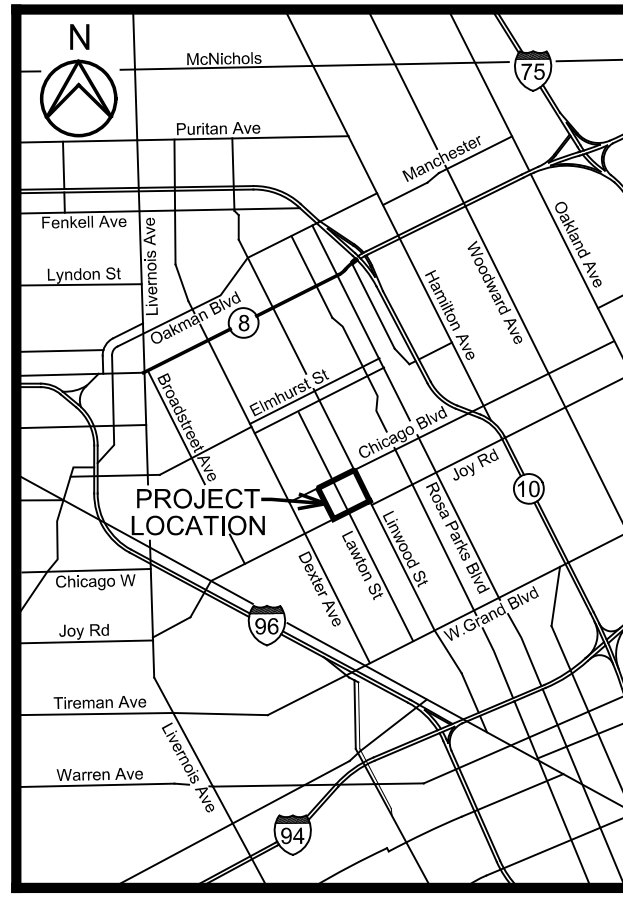


CONCRETE SIDEWALK DETAIL
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 300 East Cody Street
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 Email: mailboxes@gma-la.com

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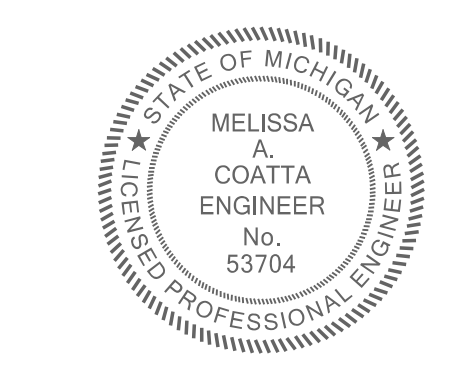
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TYPICAL DETAILS

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DATE	SHEET NO.
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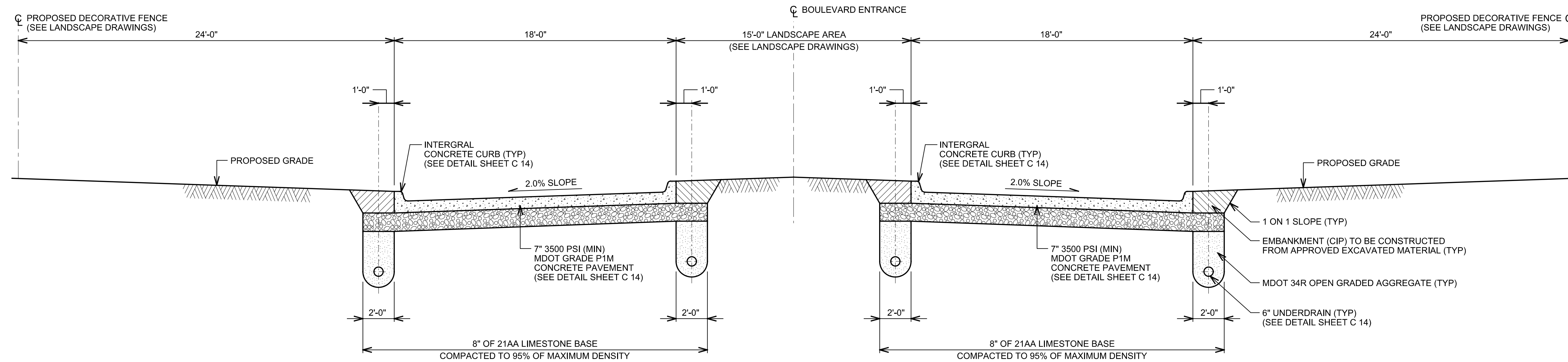
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TYPICAL CROSS SECTION
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**GRISSIM
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ASSOCIATES

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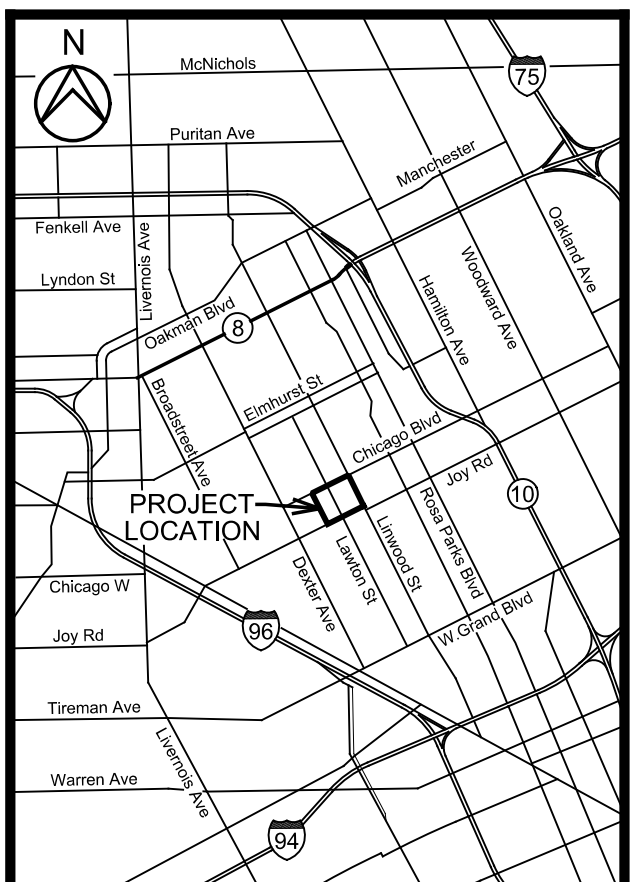
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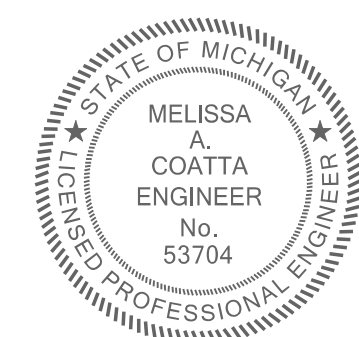
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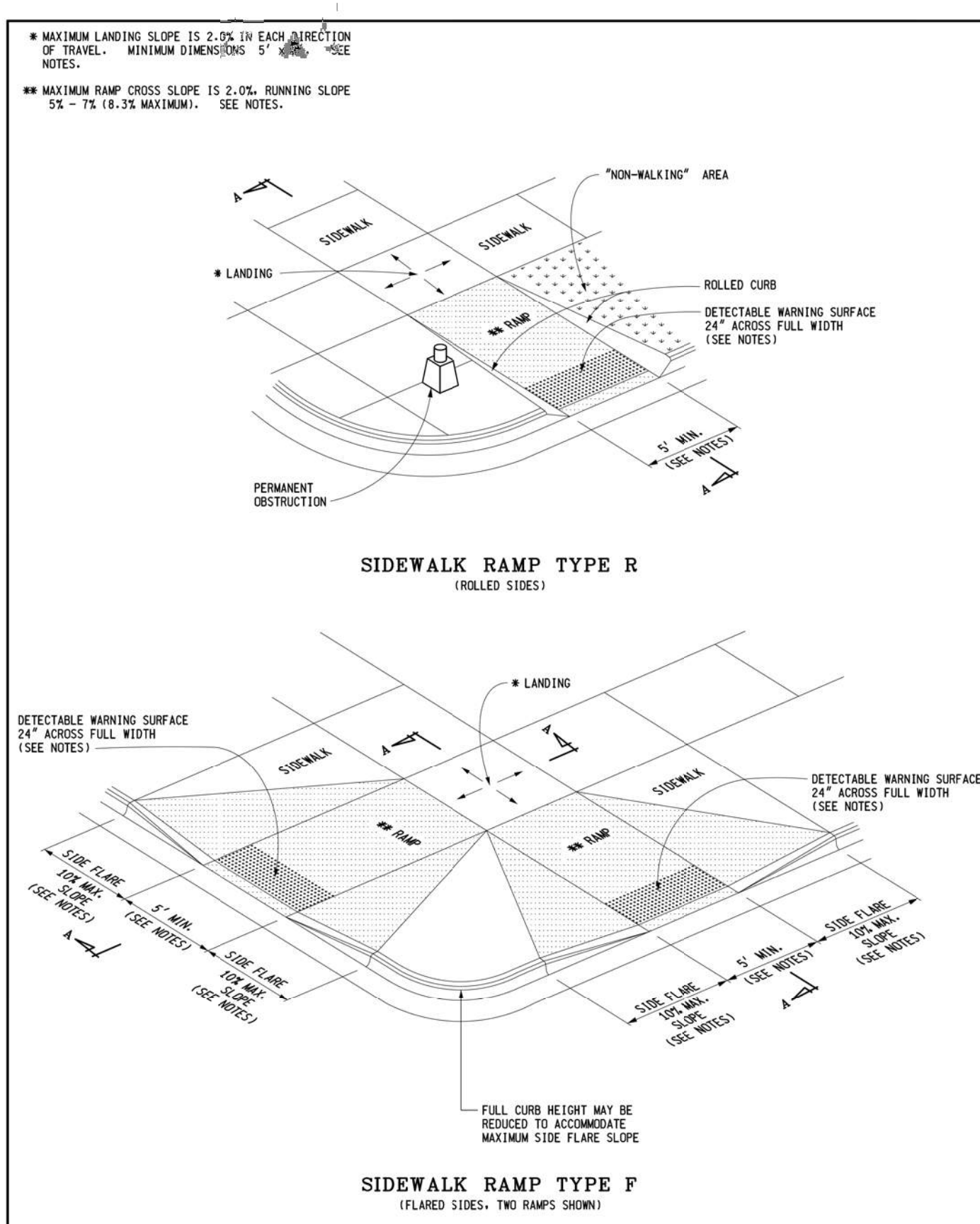


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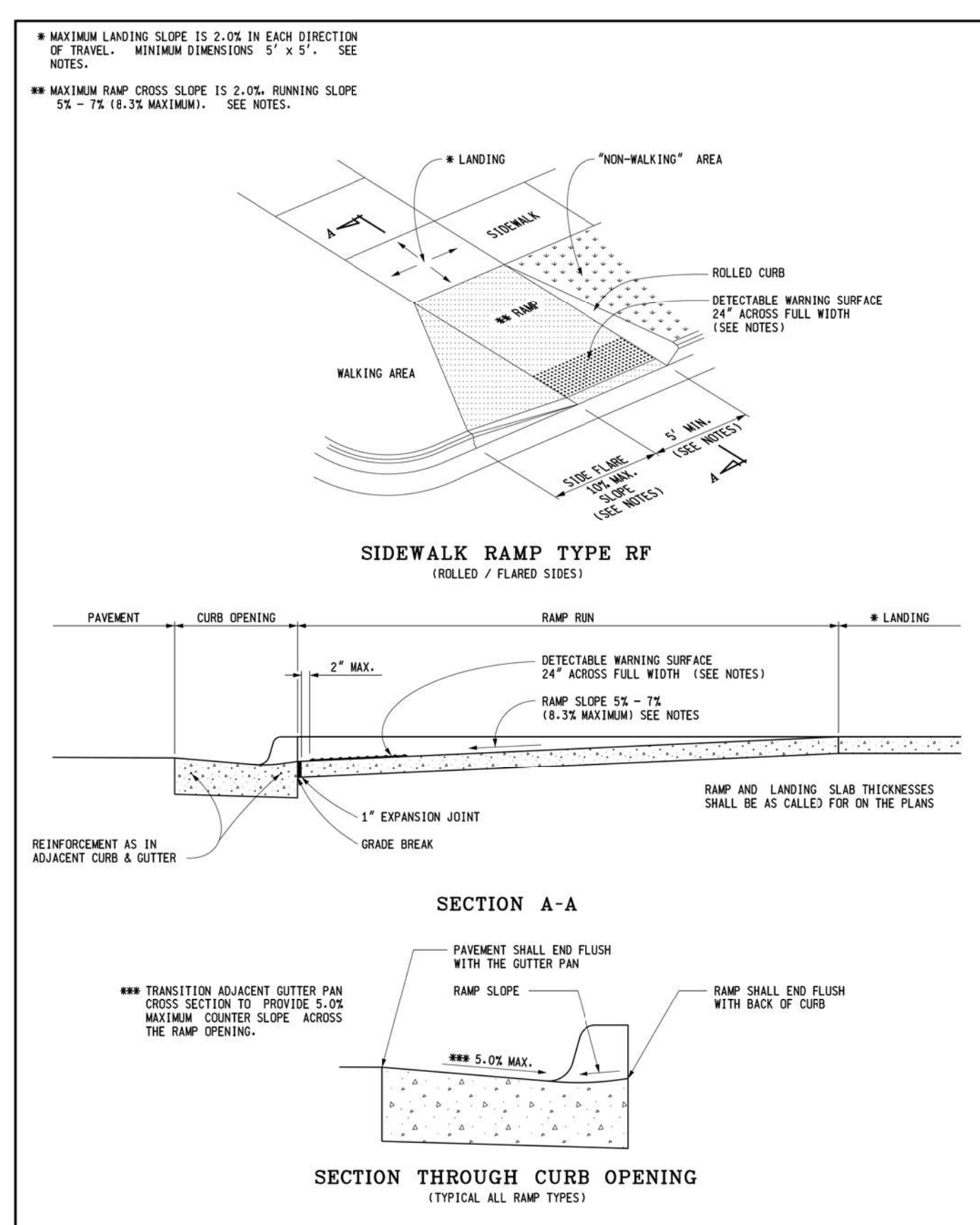
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CROSS SECTIONS

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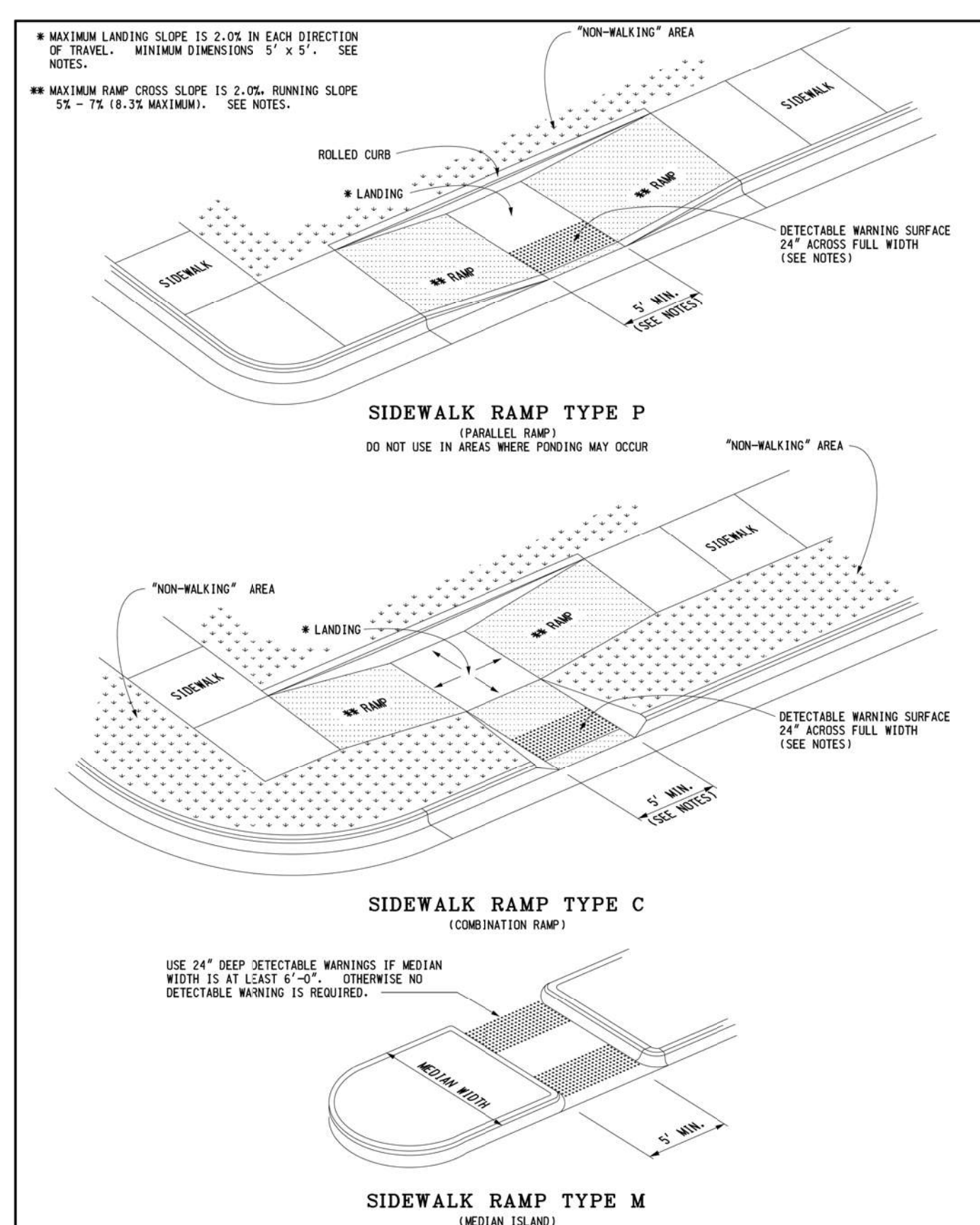
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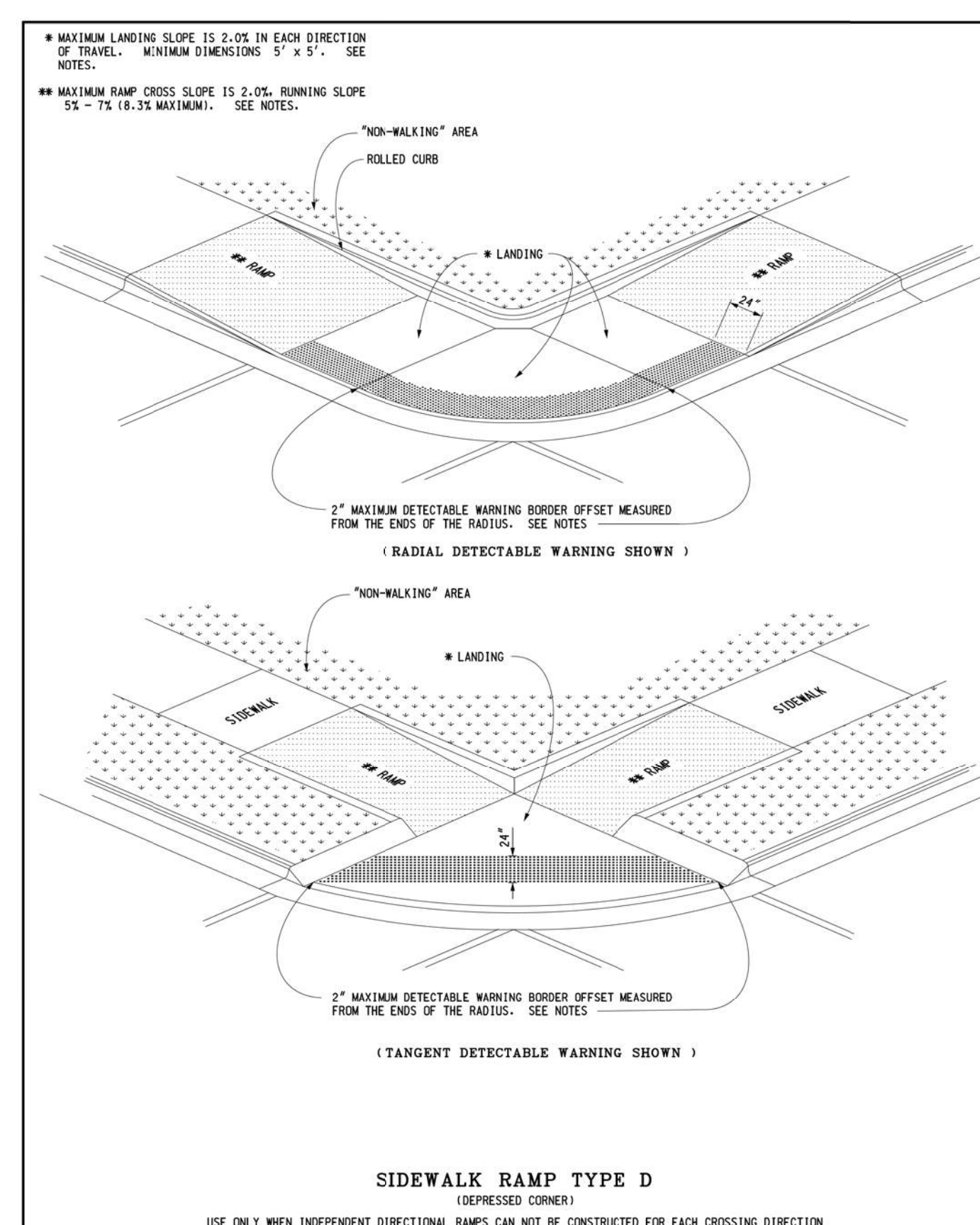
MICHIGAN DEPARTMENT OF TRANSPORTATION BUREAU OF DEVELOPMENT STANDARD PLAN FOR SIDEWALK RAMP AND DETECTABLE WARNING DETAILS	
DEPARTMENT DIRECTOR Nick T. D'Amico	MICHIGAN DEPARTMENT OF TRANSPORTATION BUREAU OF DEVELOPMENT STANDARD PLAN FOR SIDEWALK RAMP AND DETECTABLE WARNING DETAILS
PREPARED BY: DIRECTOR, BUREAU OF FIELD SERVICES DRAWN BY: J.L.L. CHECKED BY: M.L.P.	APPROVED BY: DIRECTOR, BUREAU OF DEVELOPMENT F.I.R.K.A. APPROVAL 3-15-2016 PLAN DATE R-28-J SHEET 1 OF 7



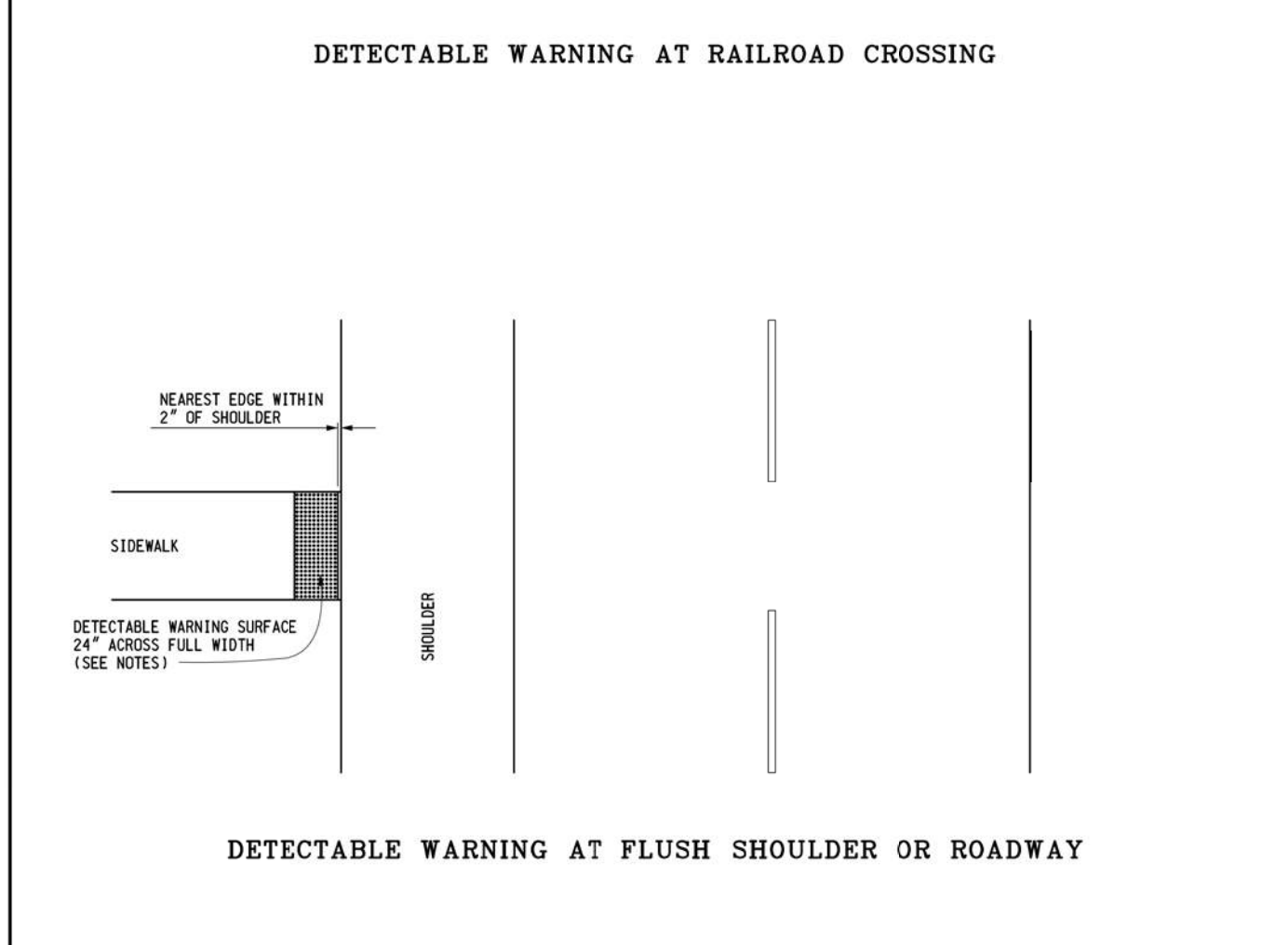
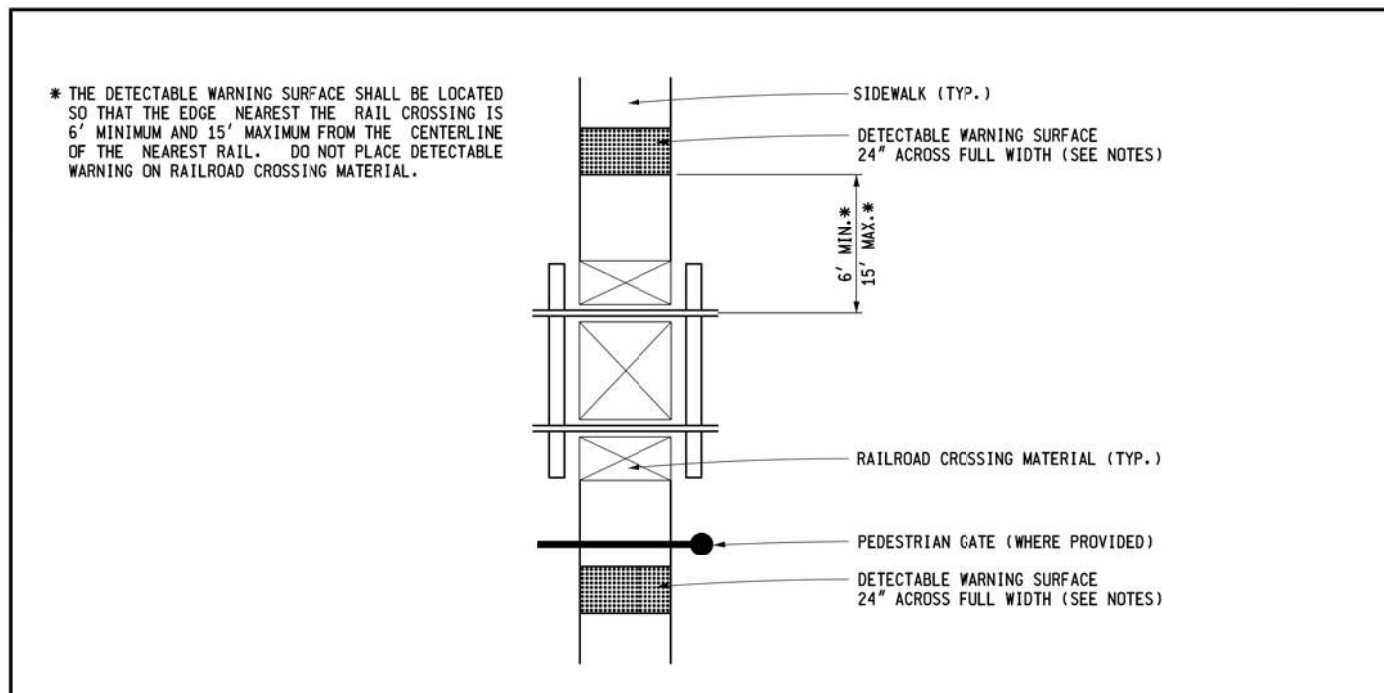
MICHIGAN DEPARTMENT OF TRANSPORTATION BUREAU OF DEVELOPMENT STANDARD PLAN FOR SIDEWALK RAMP AND DETECTABLE WARNING DETAILS	
MICHIGAN DEPARTMENT OF TRANSPORTATION BUREAU OF DEVELOPMENT STANDARD PLAN FOR SIDEWALK RAMP AND DETECTABLE WARNING DETAILS	APPROVED BY: DIRECTOR, BUREAU OF DEVELOPMENT F.I.R.K.A. APPROVAL 3-15-2016 PLAN DATE R-28-J SHEET 2 OF 7



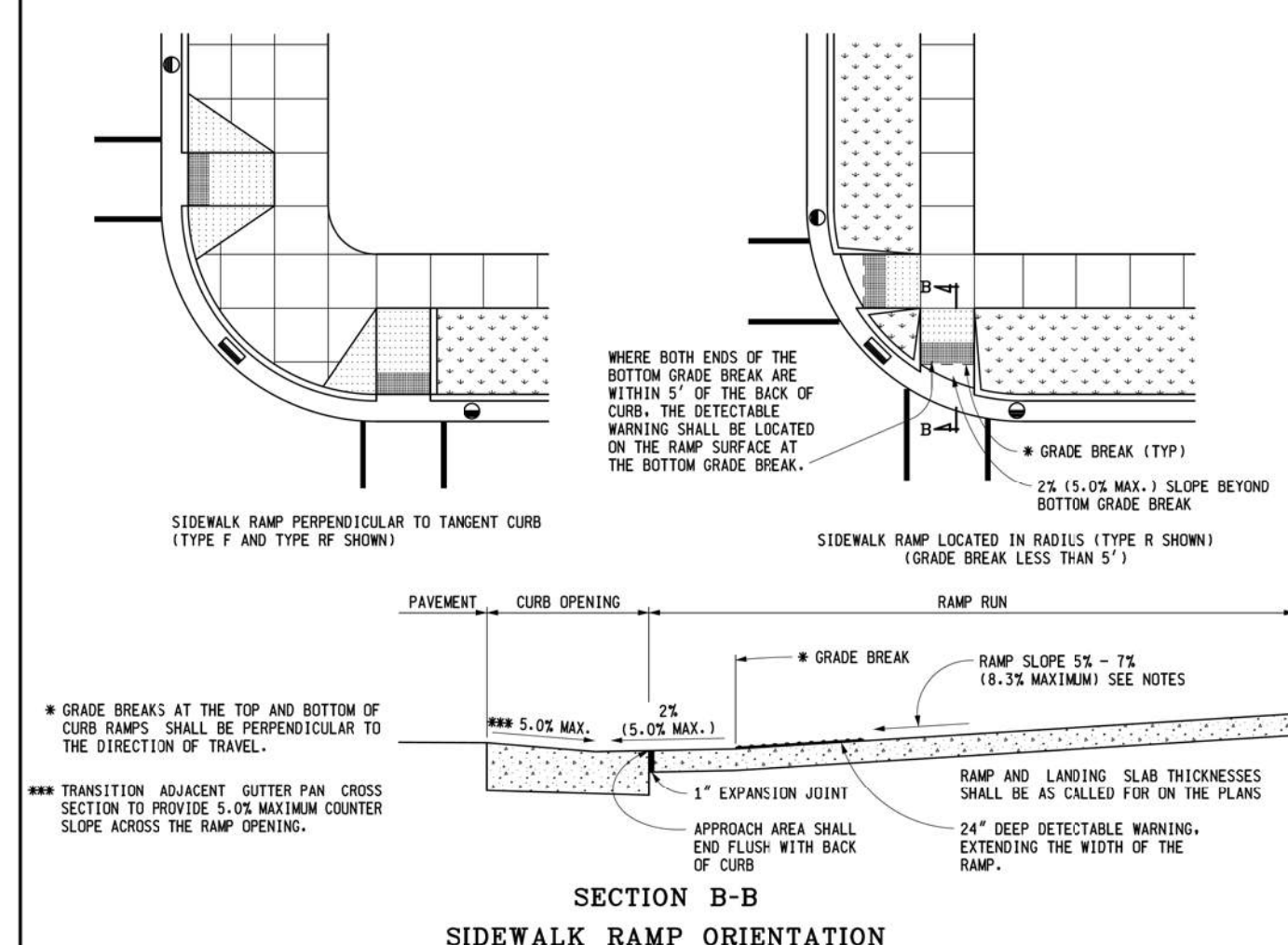
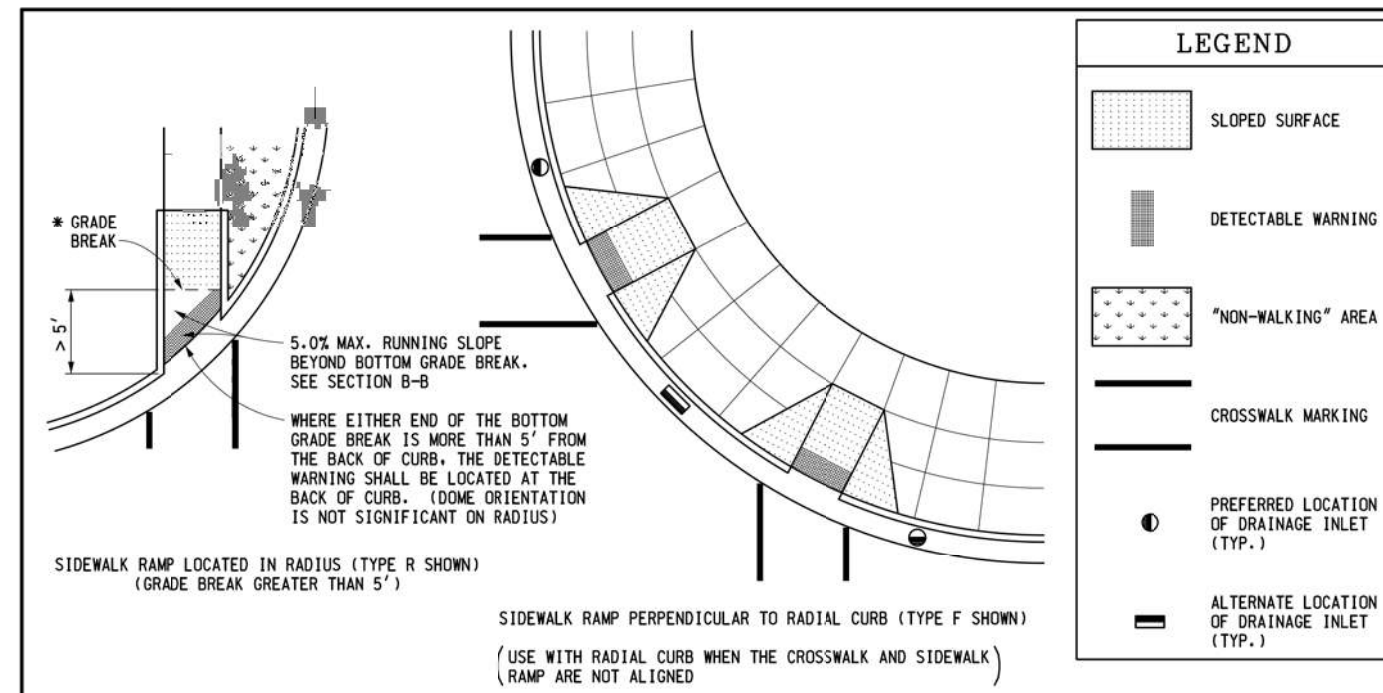
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MICHIGAN DEPARTMENT OF TRANSPORTATION BUREAU OF DEVELOPMENT STANDARD PLAN FOR SIDEWALK RAMP AND DETECTABLE WARNING DETAILS	APPROVED BY: DIRECTOR, BUREAU OF DEVELOPMENT F.I.R.K.A. APPROVAL 3-15-2016 PLAN DATE R-28-J SHEET 3 OF 7



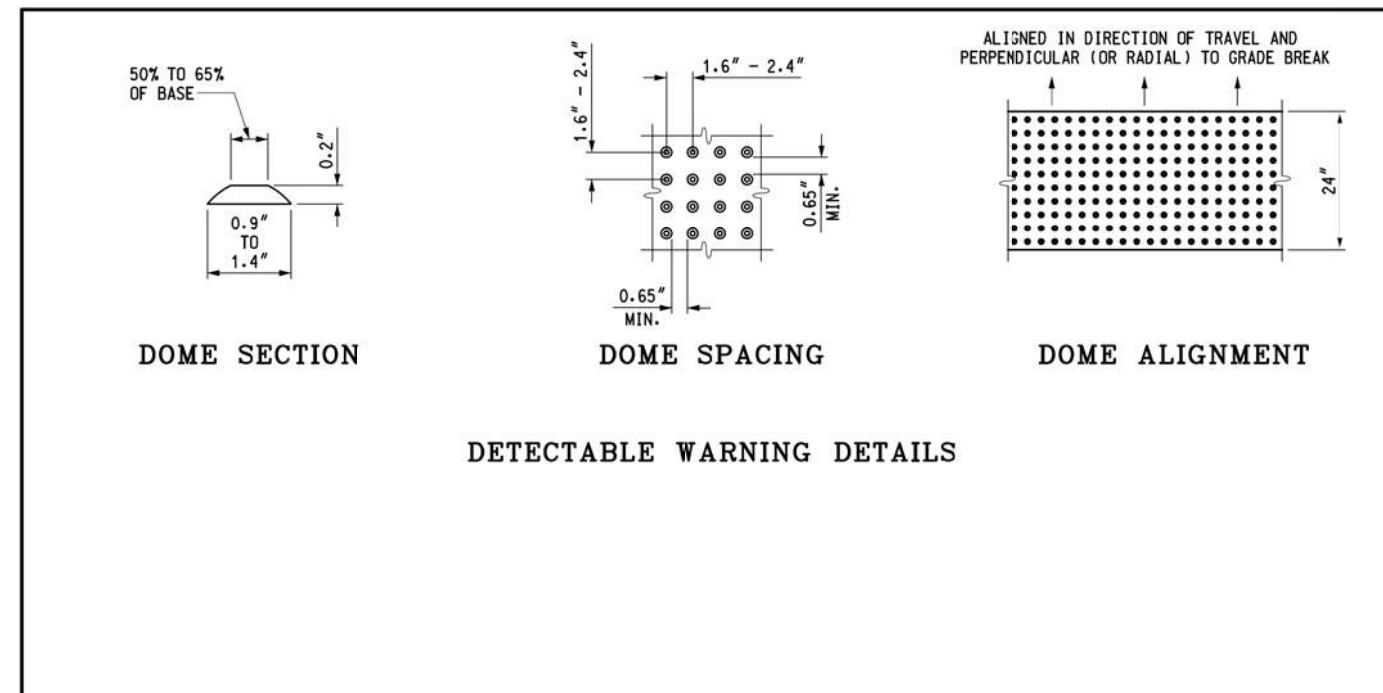
MICHIGAN DEPARTMENT OF TRANSPORTATION BUREAU OF DEVELOPMENT STANDARD PLAN FOR SIDEWALK RAMP AND DETECTABLE WARNING DETAILS	
MICHIGAN DEPARTMENT OF TRANSPORTATION BUREAU OF DEVELOPMENT STANDARD PLAN FOR SIDEWALK RAMP AND DETECTABLE WARNING DETAILS	APPROVED BY: DIRECTOR, BUREAU OF DEVELOPMENT F.I.R.K.A. APPROVAL 3-15-2016 PLAN DATE R-28-J SHEET 4 OF 7



MICHIGAN DEPARTMENT OF TRANSPORTATION BUREAU OF DEVELOPMENT STANDARD PLAN FOR SIDEWALK RAMP AND DETECTABLE WARNING DETAILS	
MICHIGAN DEPARTMENT OF TRANSPORTATION BUREAU OF DEVELOPMENT STANDARD PLAN FOR SIDEWALK RAMP AND DETECTABLE WARNING DETAILS	APPROVED BY: DIRECTOR, BUREAU OF DEVELOPMENT F.I.R.K.A. APPROVAL 3-15-2016 PLAN DATE R-28-J SHEET 5 OF 7



MICHIGAN DEPARTMENT OF TRANSPORTATION BUREAU OF DEVELOPMENT STANDARD PLAN FOR SIDEWALK RAMP AND DETECTABLE WARNING DETAILS	
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NOTES:

DETAILS SPECIFIED ON THIS PLAN APPLY TO ALL CONSTRUCTION, RECONSTRUCTION, OR ALTERATION OF STREETS, CURBS, OR SIDEWALKS IN THE PUBLIC RIGHT OF WAY.

SIDEWALK RAMPS ARE TO BE LOCATED AS SPECIFIED ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

RAMPS SHALL BE PROVIDED AT ALL CORNERS OF AN INTERSECTION WHERE THERE IS EXISTING OR PROPOSED SIDEWALK AND CURB. RAMPS SHALL ALSO BE PROVIDED AT MARKED AND/OR SIGNALIZED MID-BLOCK CROSSINGS.

SURFACE TEXTURE OF THE RAMP SHALL BE THAT OBTAINED BY A COARSE BROOMING, TRANSVERSE TO THE RUNNING SLOPE.

SIDEWALK SHALL BE RAMPED WHERE THE DRIVEWAY CURB IS EXTENDED ACROSS THE WALK.

CARE SHALL BE TAKEN TO ASSURE A UNIFORM GRADE ON THE RAMP, WHERE CONDITIONS PERMIT. IT IS DESIRABLE THAT THE SLOPE OF THE RAMP BE IN ONLY ONE DIRECTION, PARALLEL TO THE DIRECTION OF TRAVEL.

RAMP WIDTH SHALL BE INCREASED, IF NECESSARY, TO ACCOMMODATE SIDEWALK SNOW REMOVAL EQUIPMENT NORMALLY USED BY THE MUNICIPALITY.

WHEN 5' MINIMUM WIDTHS ARE NOT FEASIBLE, RAMP WIDTH MAY BE REDUCED TO NOT LESS THAN 4' AND LANDINGS TO NOT LESS THAN 4' x 4'.

DETECTABLE WARNING SURFACE COVERAGE IS 24" MINIMUM IN THE DIRECTION OF RAMP/PATH TRAVEL AND THE FULL WIDTH OF THE RAMP/PATH OPENING EXCLUDING CURBED OR FLARED CURB TRANSITION AREAS. A BORDER OFFSET NOT GREATER THAN 2" MEASURED ALONG THE EDGES OF THE DETECTABLE WARNING IS ALLOWABLE. FOR RADIAL CURB THE OFFSET IS MEASURED FROM THE ENDS OF THE RADIIUS.

FOR NEW ROADWAY CONSTRUCTION, THE RAMP CROSS SLOPE MAY NOT EXCEED 2.0%. FOR ALTERATIONS TO EXISTING ROADWAYS, THE CROSS SLOPE MAY BE TRANSITIONED TO MEET AN EXISTING ROADWAY GRADE. THE CROSS SLOPE TRANSITION SHALL BE APPLIED UNIFORMLY OVER THE FULL LENGTH OF THE RAMP.

THE MAXIMUM RUNNING SLOPE OF 8.3% IS RELATIVE TO A FLAT (0%) REFERENCE. HOWEVER, IT SHALL NOT REQUIRE ANY RAMP OR SERIES OF RAMPS TO EXCEED 15 FEET IN LENGTH.

DRAINAGE STRUCTURES SHOULD NOT BE PLACED IN LINE WITH RAMPS. THE LOCATION OF THE DRAINAGE STRUCTURE SHOULD TAKE PRECEDENCE OVER THE LOCATION OF THE RAMP PATH OF TRAVEL. WHERE EXISTING DRAINAGE STRUCTURES ARE LOCATED IN THE RAMP PATH OF TRAVEL, USE A MANUFACTURER'S ADA COMPLIANT GRATE. OPENINGS SHALL NOT BE GREATER THAN 1/2". ELONGATED OPENINGS SHALL BE PLACED SO THAT THE LONG DIMENSION IS PERPENDICULAR TO THE DOMINANT DIRECTION OF TRAVEL.

TRANSITION THE GUTTER PAN CROSS SECTION SUCH THAT THE COUNTER SLOPE IN THE DIRECTION OF RAMP TRAVEL IS NOT GREATER THAN 5.0%. MAINTAIN THE NORMAL GUTTER PAN CROSS SECTION ACROSS DRAINAGE STRUCTURES.

THE TOP OF THE JOINT FILLER FOR ALL RAMP TYPES SHALL BE FLUSH WITH THE ADJACENT CONCRETE.

CROSSWALK AND STOP LINE MARKINGS, IF USED, SHALL BE SO LOCATED AS TO STOP TRAFFIC SHORT OF RAMP CROSSINGS. SPECIFIC DETAILS FOR MARKING APPLICATIONS ARE GIVEN IN THE "MICHIGAN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES".

FLARED SIDES WITH A SLOPE OF 10% MAXIMUM, MEASURED ALONG THE ROADSIDE CURB LINE, SHALL BE PROVIDED WHERE AN UNSTRUCTURED CIRCULATION PATH LATERALLY CROSSES THE SIDEWALK RAMP. FLARED SIDES ARE NOT REQUIRED WHERE THE RAMP IS BORDERED BY LANDSCAPING, UNPAVED SURFACE OR PERMANENT FIXED OBJECTS. WHERE THEY ARE NOT REQUIRED, FLARED SIDES CAN BE CONSIDERED IN ORDER TO AVOID SHARP CURB RETURNS AT RAMP OPENINGS.

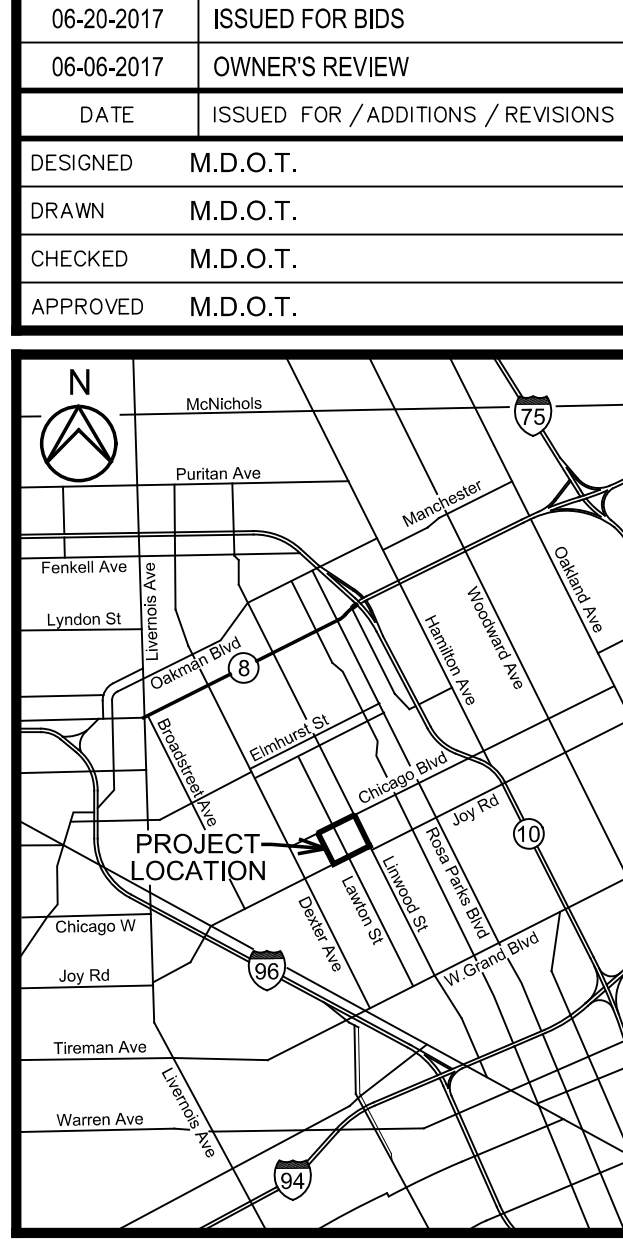
DETECTABLE WARNING PLATES MUST BE INSTALLED USING FABRICATED OR FIELD CUT UNITS CAST AND/OR ANCHORED IN THE PAVEMENT TO RESIST SHIFTING OR HEAVING.

MICHIGAN DEPARTMENT OF TRANSPORTATION BUREAU OF DEVELOPMENT STANDARD PLAN FOR SIDEWALK RAMP AND DETECTABLE WARNING DETAILS	
MICHIGAN DEPARTMENT OF TRANSPORTATION BUREAU OF DEVELOPMENT STANDARD PLAN FOR SIDEWALK RAMP AND DETECTABLE WARNING DETAILS	APPROVED BY: DIRECTOR, BUREAU OF DEVELOPMENT F.I.R.K.A. APPROVAL 3-15-2016 PLAN DATE R-28-J SHEET 7 OF 7

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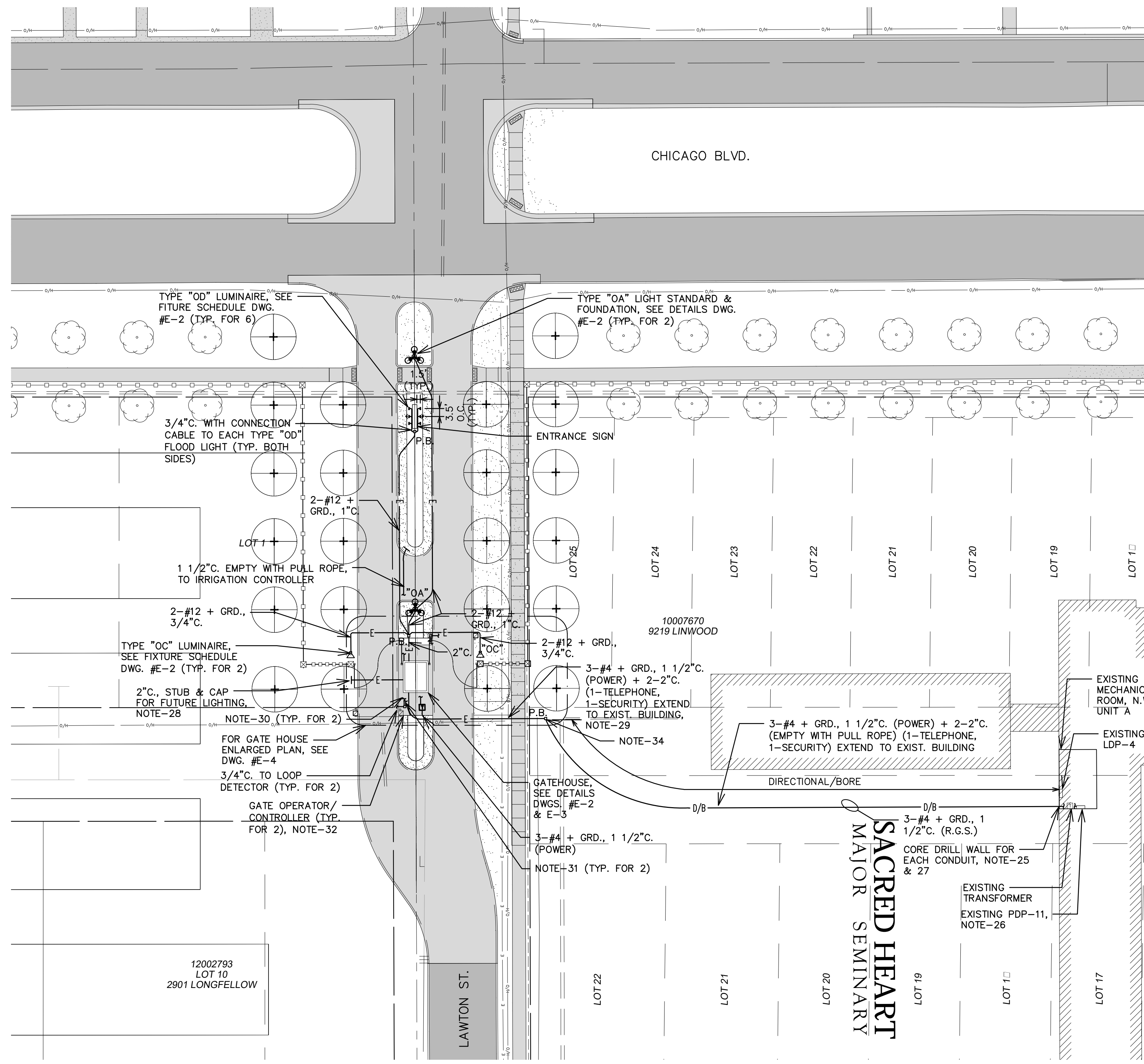
06-20-2017	ISSUED FOR BIDS
06-06-2017	OWNER'S REVIEW
DATE	ISSUED FOR / ADDITIONS / REVISIONS
DESIGNED	M.D.O.T.
DRAWN	M.D.O.T.
CHECKED	M.D.O.T.
APPROVED	M.D.O.T.



Archdiocese of Detroit
SACRED HEART MAJOR SEMINARY
BID PACKAGE No. 2
CHICAGO BOULEVARD ENTRANCE

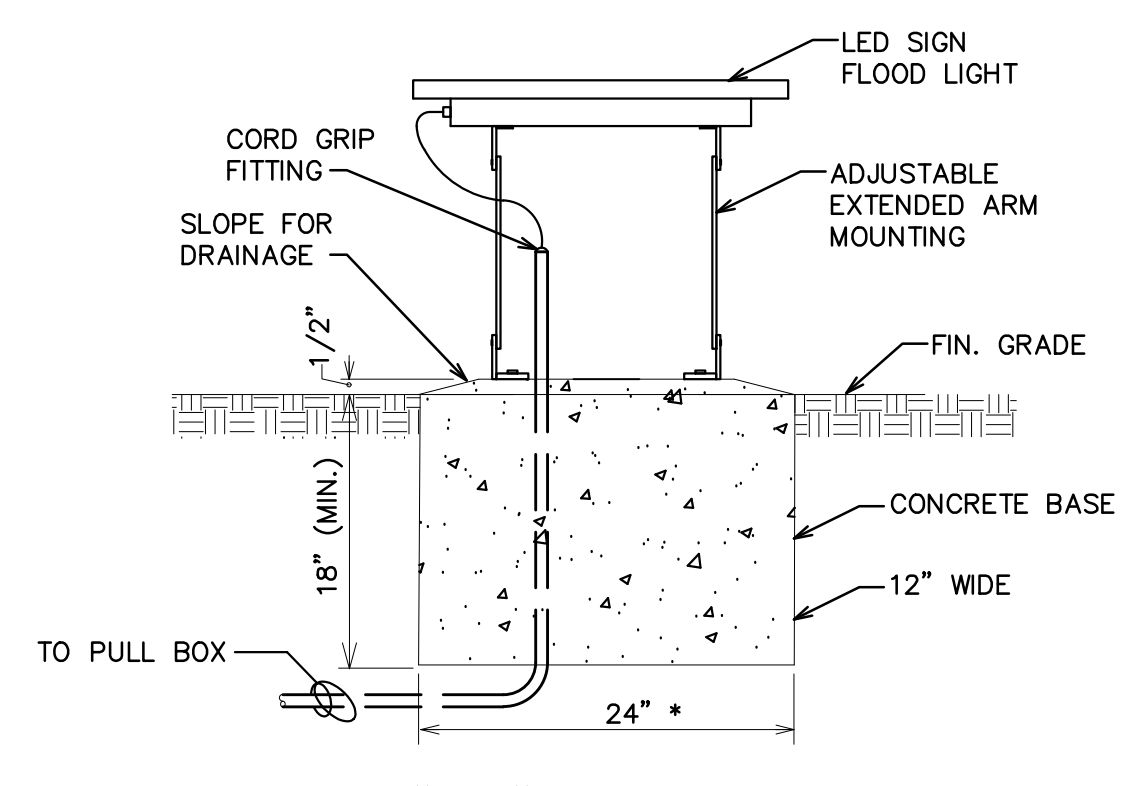
2701 W. CHICAGO BLVD.
 DETROIT, MI 48206

WAYNE COUNTY MICHIGAN	
TYPICAL M.D.O.T. SIDEWALK RAMP DETAILS	
HRC JOB NO.	SCALE
20170223	NO SCALE
DATE	SHEET NO.
JUNE 2017	C 17



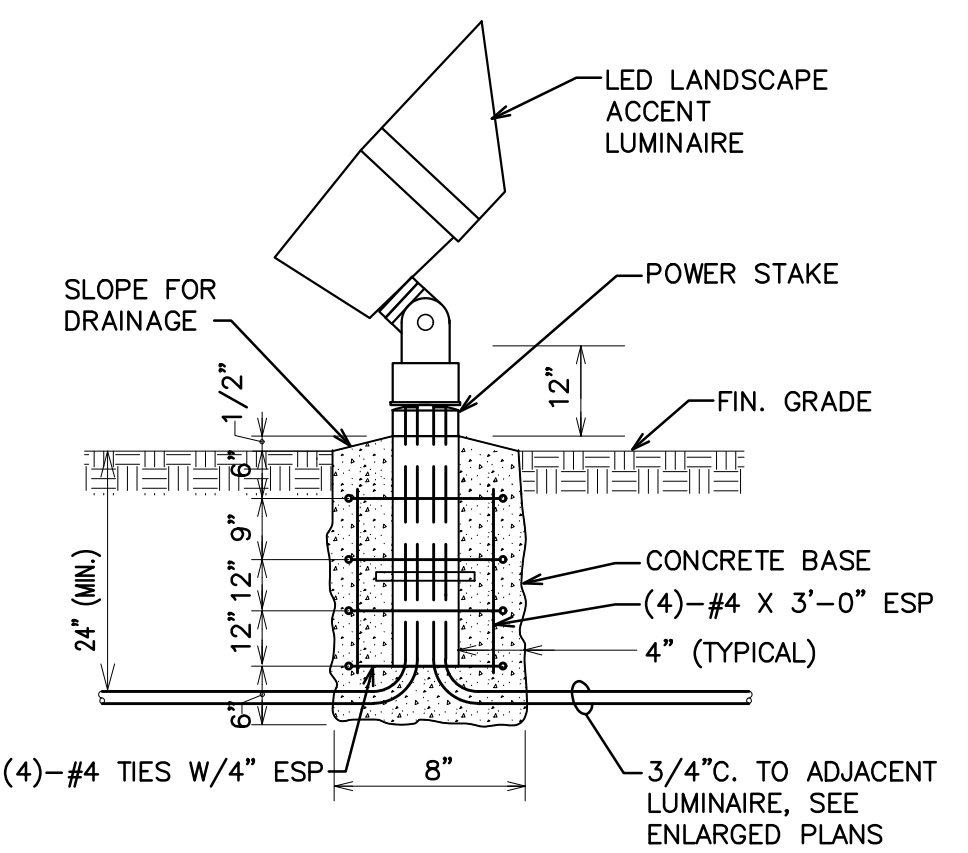
SITE PLAN
SCALE: 1"=30'-0"

ELECTRICAL LEGEND	
[Symbol]	LIGHTING FIXTURE CEILING MOUNTED
[Symbol]	LIGHTING FIXTURE WALL OR STANCHION MOUNTED
[Symbol]	LIGHT STANDARD
[Symbol]	TWIN LIGHT STANDARD
[Symbol]	DECORATIVE 3Ø120 LIGHT STANDARD
[Symbol]	SINGLE POLE SWITCH (3-WAY SWITCH)
[Symbol]	SINGLE POLE SWITCH (DIMMER)
[Symbol]	DISCONNECT SWITCH (F=FUSED)
[Symbol]	TEMPERATURE SWITCH
[Symbol]	SELECTOR SWITCH
[Symbol]	LIGHTING PANELBOARD
[Symbol]	CONTROL PANEL
[Symbol]	LIGHTING CONTACTOR
[Symbol]	120 V. DUPLEX RECEPTACLE
[Symbol]	JUNCTION BOX
[Symbol]	PULL BOX
[Symbol]	THERMOSTAT
[Symbol]	TRANSFORMER
---	CONDUIT RUN CONCEALED ABOVE CEILING OR IN WALL
---	CONDUIT RUN CONCEALED IN OR BELOW FLOOR SLAB
---	CONDUIT RUN EXPOSED
---	BUILDING GROUND CONDUCTOR
[Symbol]	COPPER GROUND ROD, 3/4" DIA. X 10'-0" LONG
---	DIRECT BURIAL POLYVINYL CHLORIDE CONDUIT
---	DIRECT BURIAL R.G.S. CONDUIT
---	P.V.C. SCHED. 40 POLYVINYL CHLORIDE CONDUIT
---	R.G.S. RIGID GALVANIZED STEEL
---	A.F.F. ABOVE FINISHED FLOOR
---	W.T. WATERTIGHT (NEMA 4)
---	W.P. WEATHERPROOF (NEMA 3R)
---	C. CONDUIT
---	C.B. CIRCUIT BREAKER
---	C.P. CONTROL PANEL
---	LPA-6 LIGHTING PANEL LPA CIRCUIT 6 (OTHER PANELS SIMILAR)
---	30/3 30 AMP, 3 POLE (OTHER SIZES SIMILAR)
---	-E- EXISTING U/G ELECTRICAL
[Symbol]	EQUIPMENT, ETC. TO BE REMOVED

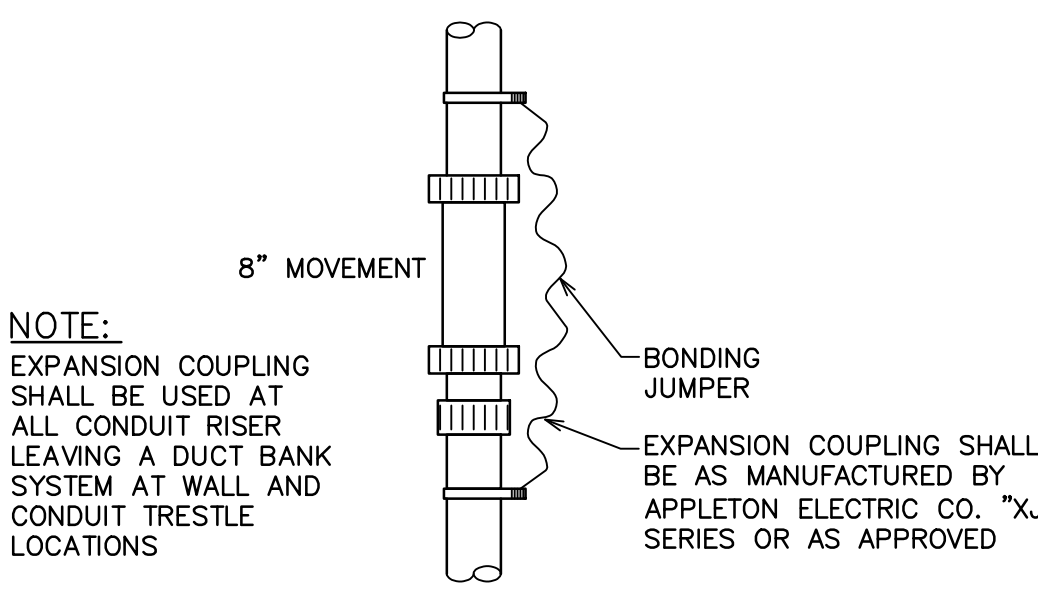


TYPE "OD" MOUNTING AND FOUNDATION DETAIL
N.T.S.

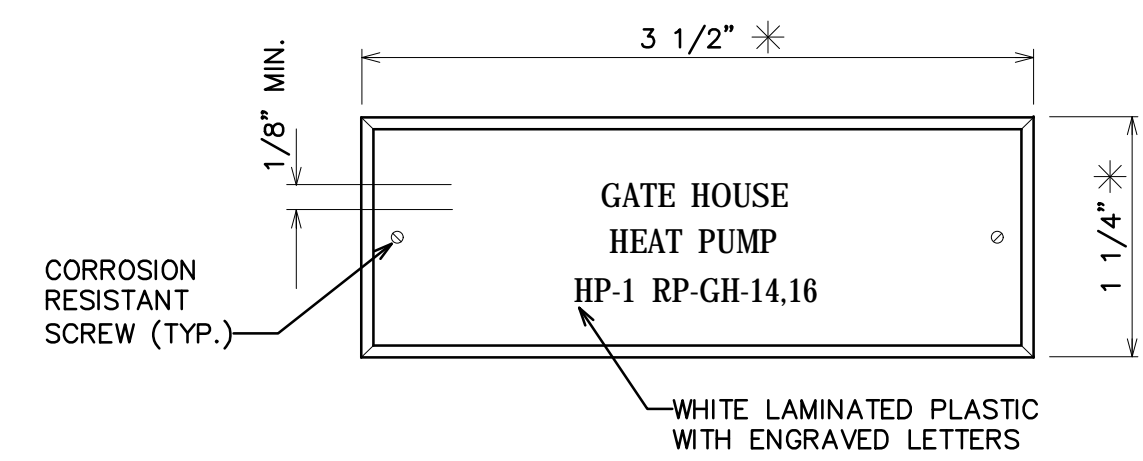
* COORDINATE LENGTH WITH FIXTURE PROVIDED



TYPE "OC" MOUNTING AND FOUNDATION DETAIL
N.T.S.



RIGID METAL CONDUIT EXPANSION COUPLING AND BONDING DETAIL
N.T.S.



NAMEPLATE DETAIL
FULL SCALE

* SMALLER SIZES MAY BE USED INDICATED; SEE SPECIFICATIONS

GENERAL NOTES:

1. THE CONTRACTOR SHALL VISIT THE JOB SITE AND THOROUGHLY CHECK THE FIELD CONDITIONS AND EXISTING ELECTRICAL INSTALLATION AND UTILITIES (ELECTRICAL AND TELEPHONE) PRIOR TO SUBMITTING A BID.
2. OTHER PROJECTS ARE, OR MAY BE, UNDER CONSTRUCTION AT THIS SITE, AND THIS CONTRACTOR SHALL COORDINATE WITH THEM SO AS NOT TO DELAY THEIR SCHEDULES OR IMPEDE THEIR WORK.
3. COORDINATE ALL UNDERGROUND WORK WITH NEW AND EXISTING UNDERGROUND UTILITIES BEFORE INSTALLATION. CALL MISS DIG, 1-800-482-7171, 72 HOURS BEFORE ANY UNDERGROUND WORK IS DONE.
4. ALL ELECTRICAL WORK SHALL COMPLY WITH THE N.E.C., AND THE CITY OF DETROIT LOCAL CODES, ORDINANCES, AND REGULATIONS INCLUDING MIOSHA.
5. ALL EMPTY CONDUITS SHALL BE PROVIDED WITH A 1/4" DIA. POLYPROPYLENE FISH LINE.
6. ALL DIRECT BURIAL CONDUIT SHALL BE RIGID GALVANIZED OR P.V.C. SCH. 40 AND INSTALLED 36" BELOW FINISH GRADE (MINIMUM).
7. ALL EXPOSED CONDUIT SHALL BE RIGID GALVANIZED STEEL, INSTALLED WITH WATERTIGHT CONDUIT FITTINGS. EXPANSION FITTINGS SHALL BE PROVIDED AT ALL TRANSITIONS FROM UNDERGROUND TO EXPOSED CONDUIT.
8. ALL UNDERGROUND CONDUITS SHALL BE P.V.C., EXCEPT WHERE ENTERING MANHOLES, HANDHOLES, BUILDINGS, OR LIGHT POLE BASES. UNDERGROUND CONDUITS SHALL BE RIGID GALVANIZED STEEL WITHIN 5'-0" OF THE STRUCTURE. ALL CONDUITS AND/OR DUCTS UNDER BUILDINGS SHALL BE RIGID GALVANIZED STEEL.
9. FOR CONDUIT PENETRATION DETAILS OF BUILDING WALLS AND ROOFS, SEE DRAWING E-3.
10. PROVIDE BACKFILL PER SPECIFICATION. PROVIDE COMPACTED SAND BACKFILL UNDER PAVED AREAS. THE CONTRACTOR IS REQUIRED TO REPAIR ANY DAMAGE TO EXISTING PAVING TO THE SATISFACTION OF THE RESPONSIBLE AUTHORITY.
11. ALL CONCRETE FOR ELECTRICAL INSTALLATION SHALL BE A 3500 LB. AIR-ENTRAINED, 5 1/2 SACK MIX.
12. EXTREME CARE SHALL BE EXERCISED DURING POLE PLACEMENT, SO THAT POLES ARE PLUMB AND LUMINAIRES ARE HORIZONTAL AND ORIENTED AS SHOWN ON THE PLANS.
13. IN AREAS WHERE ELECTRICAL WORK DISTURBS EXISTING SOIL, GROUND SHALL BE REGRADED AS REQUIRED AND SOIL SHALL BE REPAIRED OR REPLACED, AS REQUIRED, TO RETURN THE SITE TO A CONDITION MEETING OR EXCEEDING THAT PRIOR TO THE BEGINNING OF WORK.
14. IN AREAS WITH EXISTING TREES, THE CONTRACTOR SHALL CAREFULLY EXCAVATE THE CONDUIT RUNS SO AS NOT TO DAMAGE MAIN ROOTS OF TREES. DO NOT CUT OR REMOVE MAIN ROOTS OF TREES, BUT RUN CONDUIT AROUND ROOTS AS MAY BE REQUIRED BY FIELD CONDITIONS.
15. GROUND CONDUCTOR SPlicing AND BONDING SHALL BE ACCOMPLISHED BY THE USE OF EXOTHERMIC WELDING.
16. PROVIDE A GREEN GROUND CONDUCTOR IN ALL SYSTEM CONDUITS, EXCEPT INSTRUMENT SIGNAL AND ALARM CONDUITS, INCLUDING BRANCH CIRCUIT CONDUITS FOR LIGHTING AND RECEPTACLES. GROUND CONDUCTOR SIZING SHALL BE PER N.E.C. TABLE 250-95 (MINIMUM) WHERE NOT SIZED ON THE DRAWINGS.
17. PARKING LOT LIGHTING SYSTEM SHALL BE 480V, 3 PH., 3W, PLUS GROUND. INDIVIDUAL LUMINAIRES SHALL BE 480V, 1 PH., BALANCED ON THE 3 PHASE SYSTEM.
18. ACCESS DRIVE LIGHTING SYSTEM SHALL BE 240V, 1 PH., 2W, PLUS GROUND.
19. ALL EQUIPMENT SUPPORT PADS (PRECAST & POURED-IN-PLACE) SHALL BE INSTALLED WITH TOP OF PAD 6" MIN. ABOVE FINISHED GRADE. BACKFILL UNDER ALL PADS SHALL BE TRENCH "A" MATERIAL, COMPACTED TO 95% MINIMUM.
20. ALL THREADED ELECTRICAL EQUIPMENT (CONDUIT, FITTINGS, BOLTS, SCREWS, ETC.) INSTALLED OUTDOORS SHALL BE COATED WITH ANTI-SEIZE COMPOUND PRIOR TO INSTALLATION.
21. CONTRACTOR SHALL PROVIDE 1-1/4" HIGH X 3" WIDE (MINIMUM) NAMEPLATES ON ALL DEVICES. NAMEPLATES SHALL BE WHITE LAMINATED PLASTIC WITH 1/8" HIGH (MINIMUM) BLOCK LETTERS ENGRAVED TO A BLACK CORE, AND SHALL BE ATTACHED WITH CORROSION-RESISTANT SCREWS.
22. ALL WEATHERPROOF (W.P.) DUPLEX RECEPTACLES SHALL BE INSTALLED SUCH THAT COVER DOORS OPEN UPWARD.
23. ALL SALVAGED MATERIALS SHALL BE TURNED OVER TO THE OWNER OR DISPOSED OF AS DIRECTED BY THE OWNER.
24. HAND DIG WHERE REQUIRED TO LOCATE EXISTING UTILITIES PRIOR TO INSTALLATION OF THE NEW DIRECT BURIAL CONDUITS.
25. CONCRETE WALL IS APPROXIMATELY 3'-0" THICK. SEAL AROUND CONDUIT WATERTIGHT WITH NON-METALLIC NON-SHRINK GROUT TO MATCH EXISTING.
26. IN EXISTING PDP-11, CONNECT WIRE FOR GATEHOUSE TO EXISTING SPARE 100A, 3-POLE, FUSED SWITCH. FURNISH AND INSTALL THREE (3) NEW 70A FUSES IN SWITCH. FURNISH AND INSTALL NEW NAMEPLATE.
27. INSTALL ONE (1) NEW NEMA TYPE 12, 6"x6"x12" WIREWAY FOR EACH CONDUIT ENTERING THE BUILDING. TELEPHONE & SECURITY CONDUITS TO TERMINATE IN BOX & BE EXTENDED BY OTHERS. COORDINATE BOX & POWER CONDUIT TO ALLOW FOR FUTURE CONDUIT INSTALLATION & CONNECTION TO TELEPHONE & SECURITY WIREWAY.
28. MARK END OF CONDUIT AND PROVIDE & DOCUMENT G.P.S. COORDINATES.
29. STUB AND CAP TELEPHONE CONDUIT INSIDE GATEHOUSE. EXTEND SECURITY CONDUIT TO SECURITY PANEL.
30. 2-#12 + GRD., 1" C. TO RP-GH (TYP. FOR 2).
31. 4-#14, 1" C. TO GATE CONTROL STATION (TYP. FOR 2) IN GATEHOUSE.
32. SEE DWG. #E-4 FOR LOOP DETECTOR DETAILS, FOUNDATION DETAIL & GATE SPECIFICATIONS.
33. PROVIDE NAMEPLATE/SIGN ON TRANSFORMER INDICATING POWER SOURCE AND CIRCUIT NUMBER.
34. PROVIDE INSULATING BARRIER IN PULL BOX TO SEPARATE 480V. POWER WIRE FROM TELEPHONE AND SECURITY CONDUITS.

NOTE:
ALL EXISTING UTILITIES SHOWN ON THIS TOPOGRAPHIC SURVEY HAVE BEEN TAKEN FROM VISUAL OBSERVATION AND RECORD MAPPING WHERE AVAILABLE. NO GUARANTEE IS MADE, OR SHOULD BE ASSUMED, AS TO THE COMPLETENESS OR ACCURACY OF THE UTILITIES SHOWN ON THIS DRAWING. PARTIES UTILIZING THIS INFORMATION SHALL FIELD VERIFY THE ACCURACY AND COMPLETENESS PRIOR TO CONSTRUCTION.



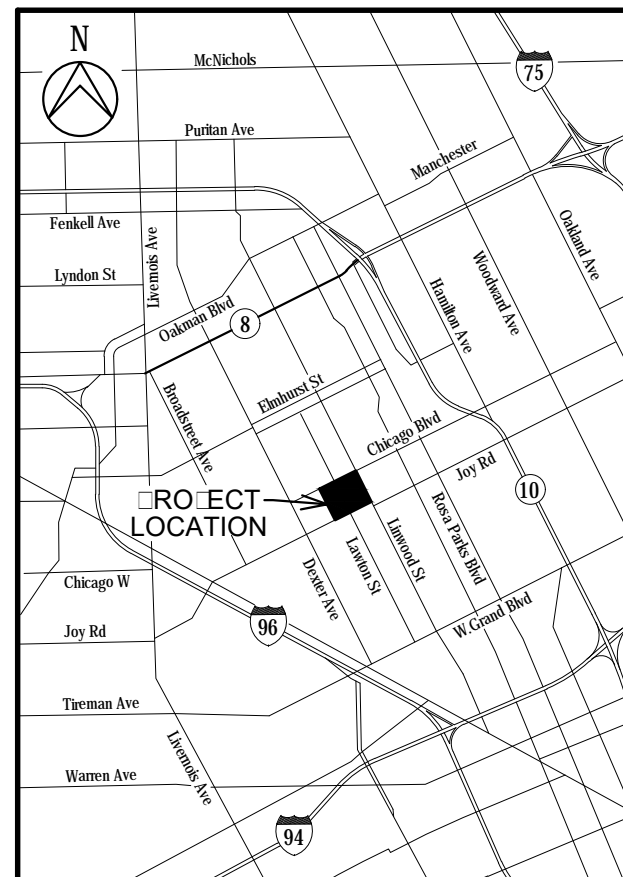
CALL MISS DIG 72 HOURS BEFORE YOU DIG (3 WORKING DAYS) 1-800-482-7171 (TOLL FREE)



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06/20/2017	ISSUED FOR BID
06/06/2017	OWNER'S REVIEW
DATE	ISSUED FOR ADDITIONS / REVISIONS
DESIGNED	M.A. [initials]
DRAWN	[initials]
CHECKED	M.A. [initials]
APPROVED	[initials]

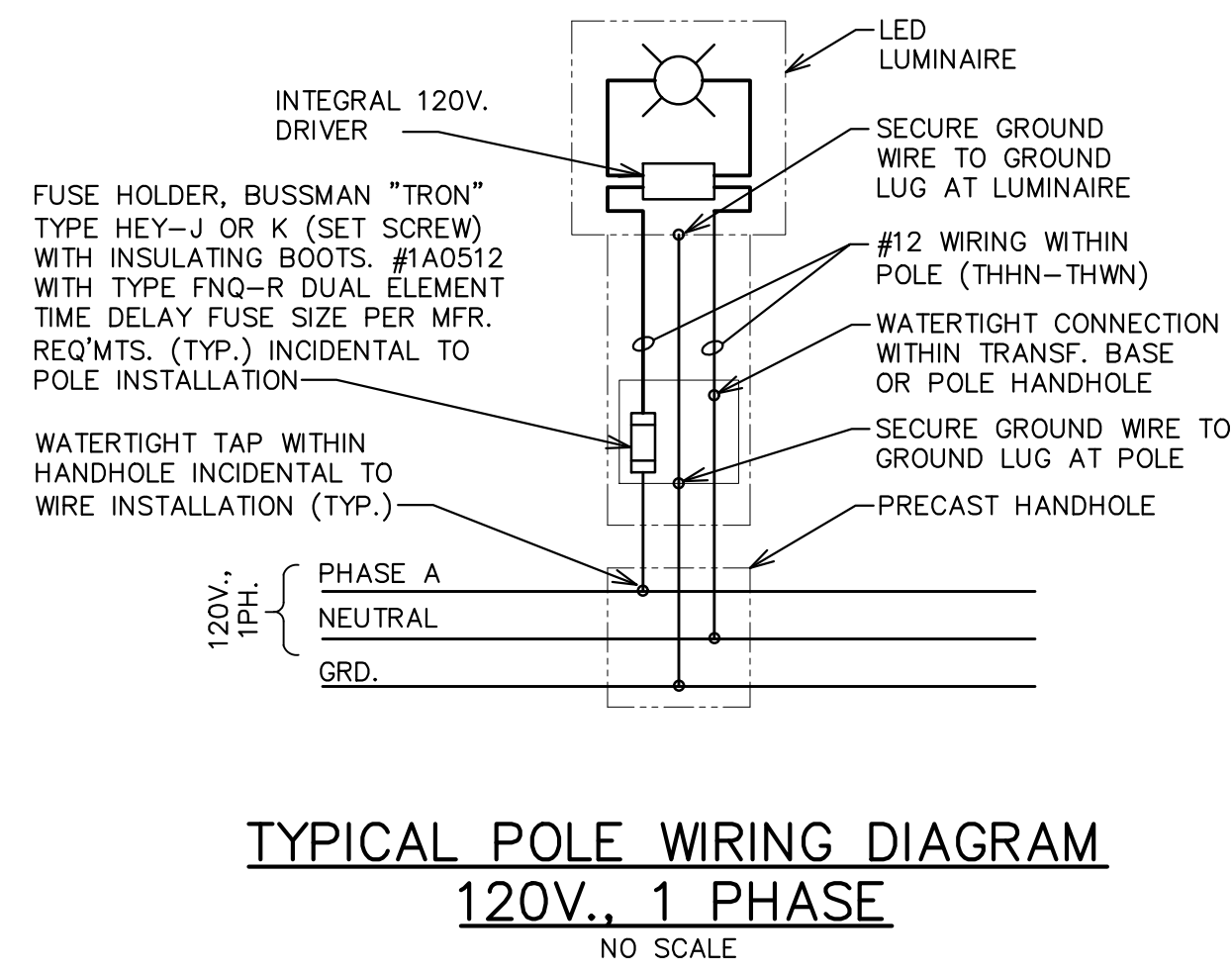


Archdiocese of Detroit
SACRED HEART MAJOR SEMINARY
BID PACKAGE No. 2
CHICAGO BOULEVARD ENTRANCE

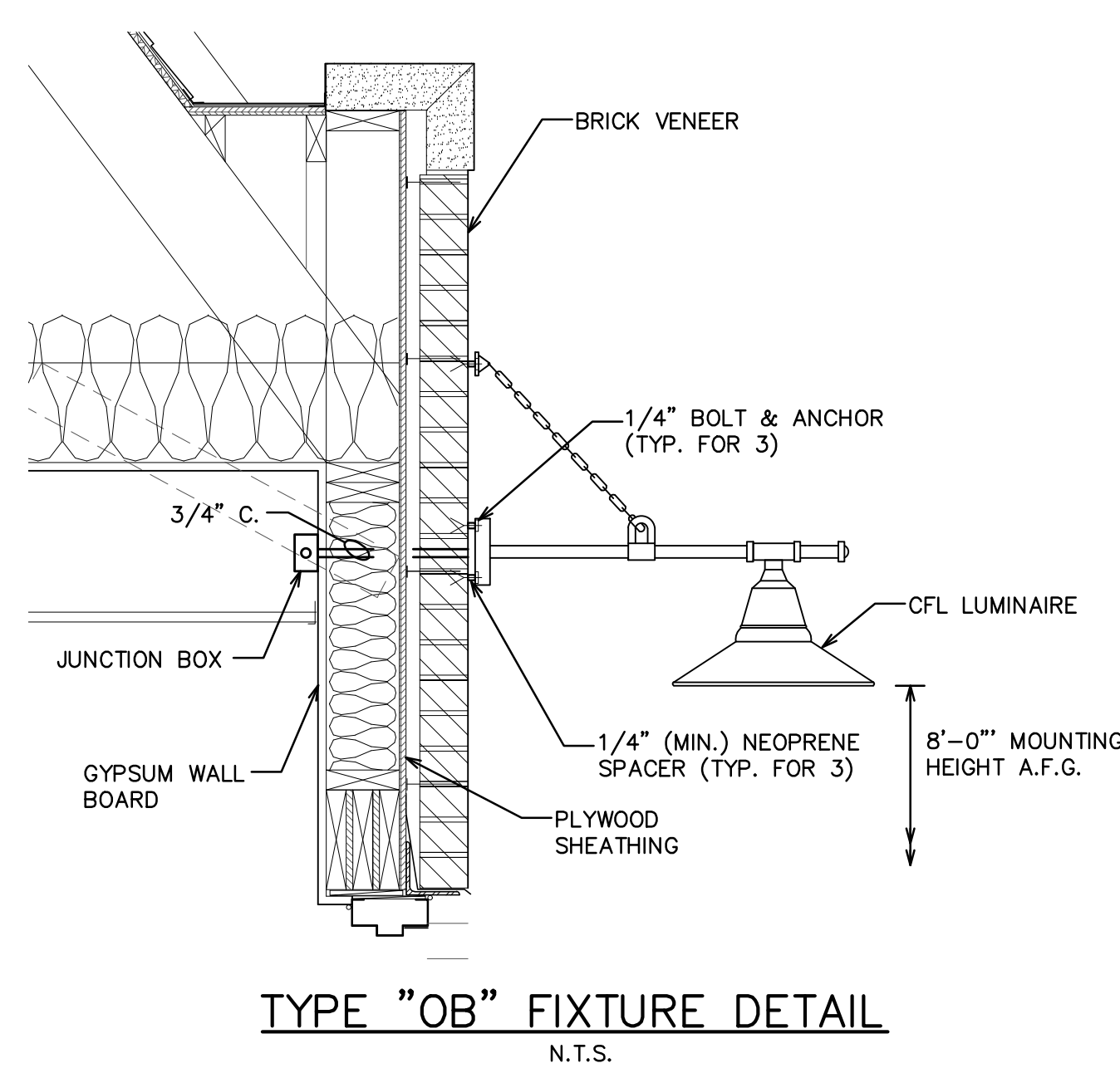
2701 W. CHICAGO BLVD.
DETROIT, MI 48206

ALTERNATE No.1
ELECTRIAL SITE PLAN LEGEND AND DETAILS

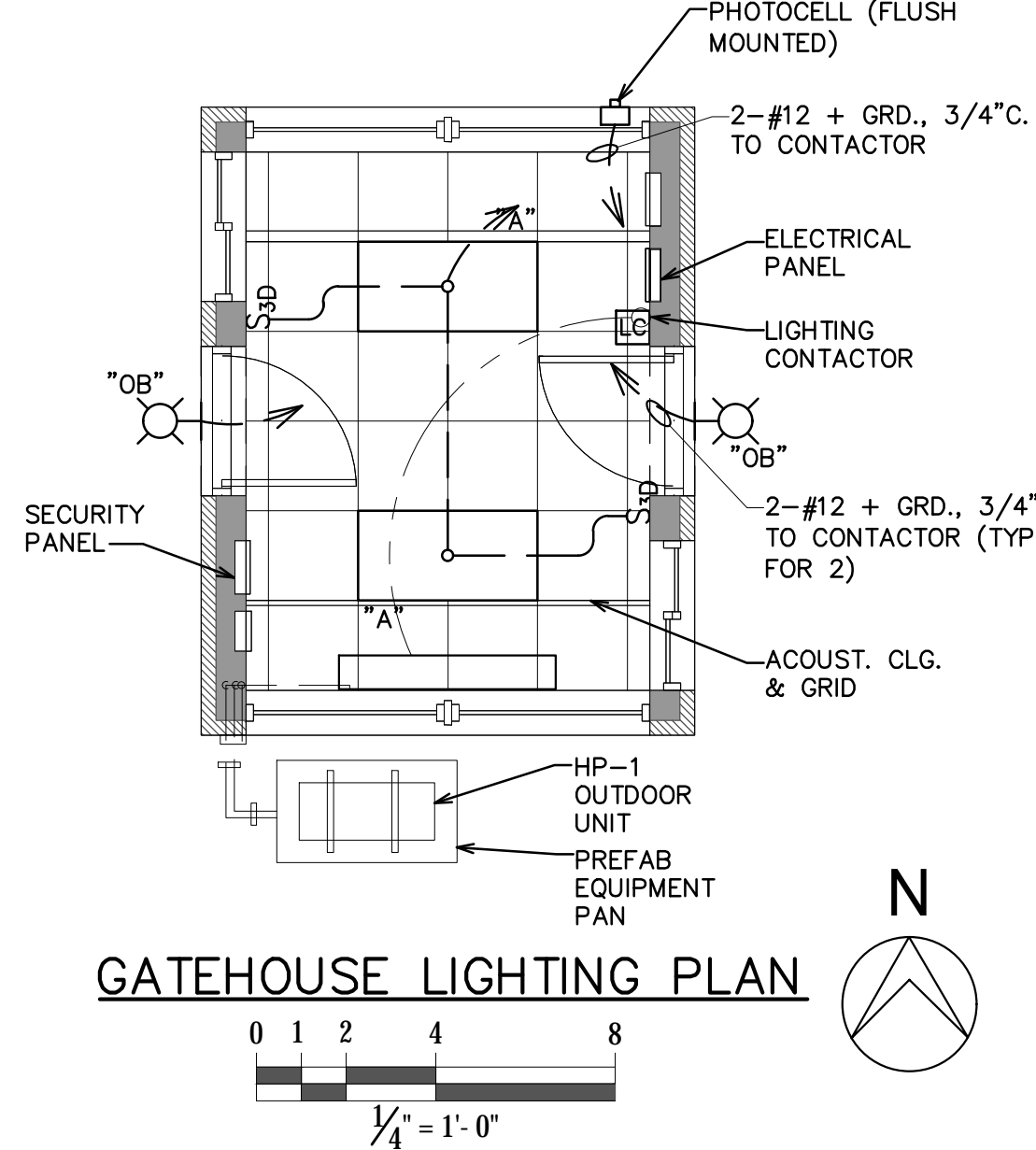
HRC JOB NO.	20170223	SCALE	A: NOTED
DATE	JUNE 2017	SHEET NO.	E1



TYPICAL POLE WIRING DIAGRAM
120V, 1 PHASE
NO SCALE



TYPE "OB" FIXTURE DETAIL
N.T.S.



GATEHOUSE LIGHTING PLAN

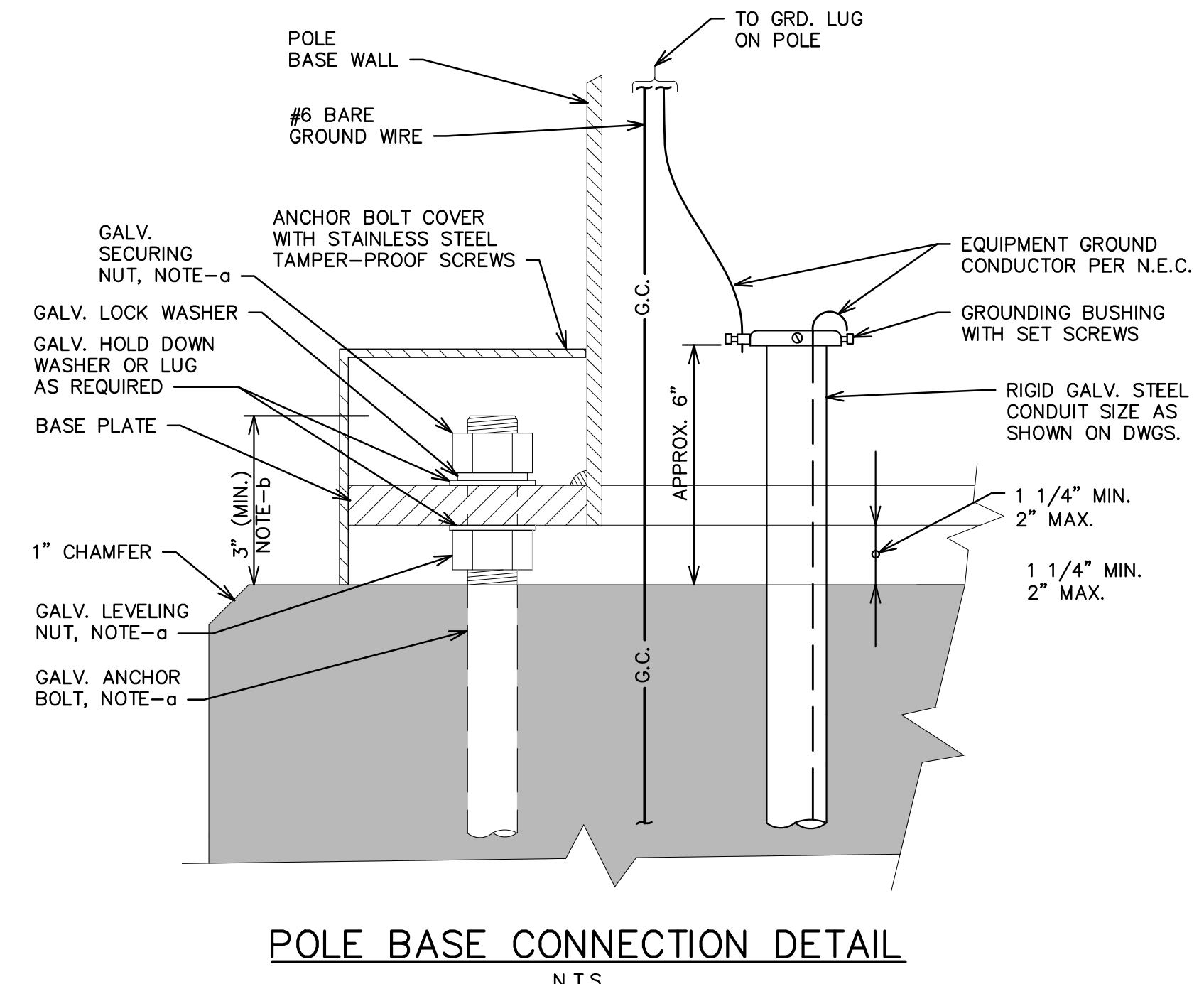
LIGHTING FIXTURE SCHEDULE				
TYPE	LAMP	OPERATING VOLTAGE	DESCRIPTION	MFR. CAT. NO. **
"A"	25W LED 4000K 3,000 LUMENS	120 V.	2X4 LAY-IN FIXTURE, COLD ROLLED STEEL HOUSING, POWDER COATED ROTARY CAM LATCHES, INTEGRAL T-BAR CLIPS, ACRYLIC LENS, LONG-LIFE LEADS, HIGH EFFICIENCY DRIVER, 0-10 VOLT DIMMING TO 1%, SURGE PROTECTION, ROHS COMPLIANT, POWDER COATED FINISH, L90 AT 60,000 HRS, UL RATED, 5 YEAR WARRANTY ALL COMPONENTS.	LITHONIA: 2TL SERIES #2TL4 30L FW A19 EZ1 LP640, NOTE-C
"OA"	68W LED 4000K 6086 LUMENS	120 V.	POST TOP MOUNTED LED HEXAGONAL LUMINAIRE, TYPE V DISTRIBUTION, FROSTED ACRYLIC LENSES, SEGMENTED ALUMINUM REFLECTOR, SEAMLESS GASKET, HIGH EFFICIENCY LEADS, 100,000 HRS AT 40 DEG. C., L70, DIE-CAST HOUSING, PHOTO CELL, SENSOR SWITCH, IP66 RATED, ROHS COMPLIANT, UL RATED, SURGE PROTECTION, ALL HARDWARE SHALL BE TAMPERPROOF STAINLESS STEEL, POWDER COAT FINISH, 5 YEAR WARRANTY ALL COMPONENTS, 12' POLE AND POLE BASE PAINTED TO MATCH LUMINAIRE.	CYCLONE: #CL62T4-LAF-5-68W-4K-120-F6AP-COLOR-TX-CP5221; BRACKET #M110-C3A-T40-COLOR-TX-CP5223; POLE #PV42-12-SA-T40-BM18-COLOR-TX-CP5224, NOTE-C
"OB"	LED 4000K 1250 LUMENS	120 V.	WALL MOUNTED CHAIN SUPPORTED GOOSENECK LUMINAIRE, 16" DIA. METAL SHADE, PORCELAIN ENAMEL FINISH, WET LOCATION RATED.	BARN LIGHTING: BLE-G/SB16-PC-LED/150/G65/150, NOTE-C
"OC"	20W LED 3000K	120 V.	GROUND MOUNTED LED LANDSCAPE ACCENT LUMINAIRE, DIE-CAST ALUMINUM HOUSING, INTEGRAL DIMMER, IP66 RATED, ROHS COMPLIANT, UL RATED, SURGE PROTECTION, ALL HARDWARE SHALL BE TAMPERPROOF STAINLESS STEEL, POWDER COAT FINISH, 5 YEAR WARRANTY ALL COMPONENTS.	WAC: 5012 30 BBR, NOTE-C
"OD"	10W LED 4000K	120 V.	GROUND MOUNTED LED SIGN LUMINAIRE, EXTRUDED ALUMINUM HOUSING, CLEAR TEMPERED GLASS LENS, 120,000 HRS L70 @ 25 DEG. C., IP66 RATED, ROHS COMPLIANT, UL RATED, SURGE PROTECTION, ALL HARDWARE SHALL BE TAMPERPROOF STAINLESS STEEL, POWDER COAT BRONZE ON BRASS FINISH, 5 YEAR WARRANTY ALL COMPONENTS.	LUMENPULSE: LOG ASHRAE 120 24 40K WWLF WAM12 BK DIM CRC, NOTES-C & D

FIXTURE SCHEDULE NOTES:

- A. FOR ADDITIONAL POLE AND TRANSFORMER BASE REQUIREMENTS SEE SPECIFICATIONS.
- B. PROVIDE CUTSHEETS FOR LUMINAIRE, LED LIGHT SOURCES, LED DRIVERS & SURGE PROTECTION DEVICE.
* **IF CATALOG NUMBER DOES NOT MEET THE FOLLOWING CRITERIA, THE CONTRACTOR OR MFR. SHALL REVISE CATALOG NUMBER AS REQUIRED.
- C. NO SUBSTITUTIONS ALLOWED.
- D. PROVIDE CONNECTION CORD, FIELD VERIFY EXACT LENGTH REQUIRED.

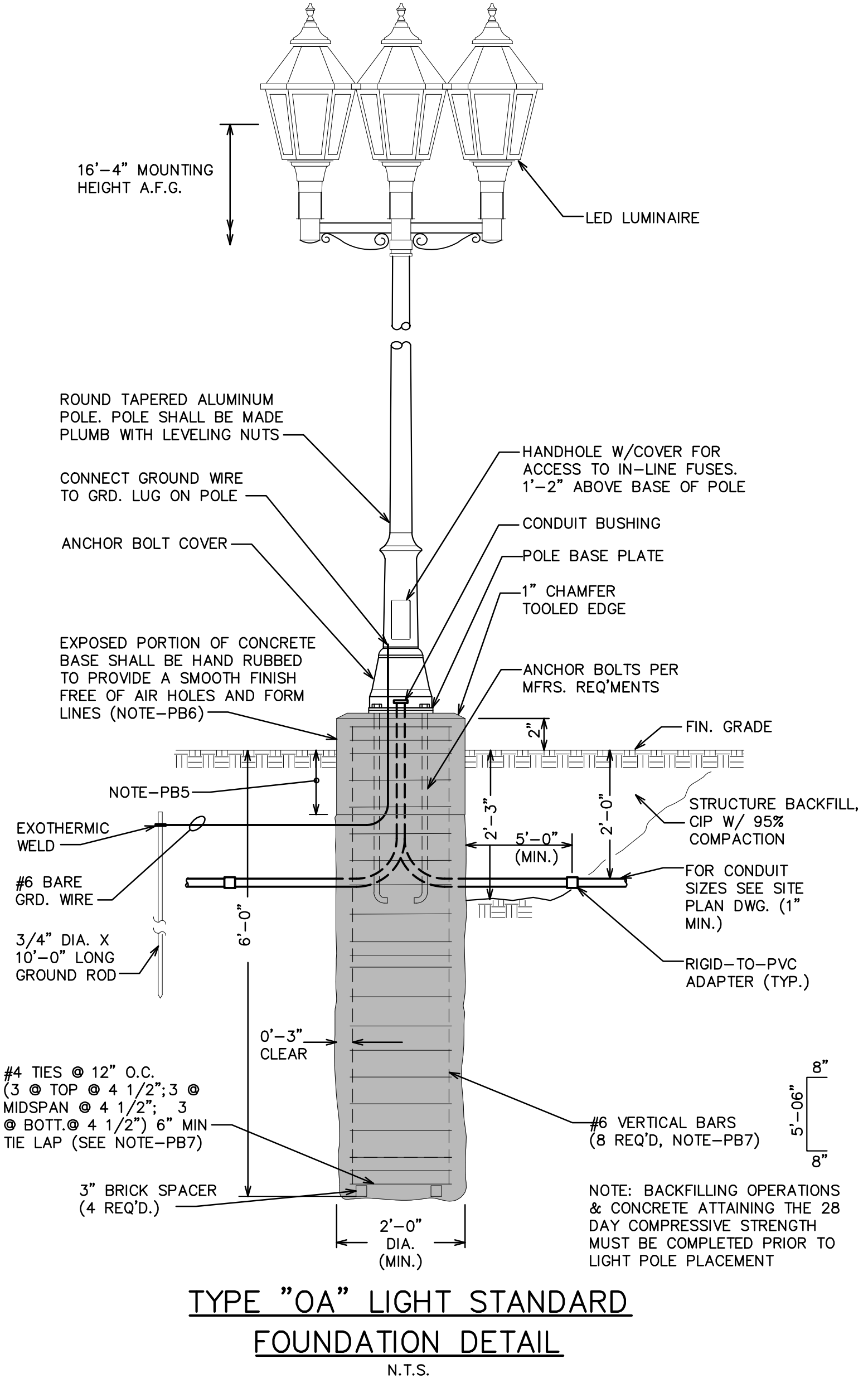
POLE BASE NOTES:

- PB1. 3500 PSI MINIMUM, 28 DAY COMPRESSIVE STRENGTH CONCRETE, MDOT CONCRETE GRADE S2 IN ACCORDANCE WITH CONTRACT SPECIFICATIONS, AND NO FLY ASH, ASTM A-615 GRADE 60 RE-BARS.
- PB2. IF WATER IS PRESENT IN HOLE, PUMP TO A DRY CONDITION BEFORE POURING CONCRETE.
- PB3. FOUNDATION EXCAVATION SHALL BE BY 24" AUGER IN UNDISTURBED OR PROPERLY COMPACTED FILL, PER SPECIFICATIONS.
- PB4. VERTICAL PORTION OF CONCRETE POLE BASE SHALL BE PLACED IN ONE CONTINUOUS POUR.
- PB5. CONCRETE FORMING SHALL EXTEND APPROXIMATELY 6" BELOW PROPOSED FINISHED GRADE.
- PB6. CONCRETE SHALL BE THOROUGHLY VIBRATED WITH MECHANICAL VIBRATORS IN ACCORDANCE WITH CONTRACT SPECIFICATIONS.
- PB7. REINFORCING CAGE SHALL BE TIED, WELDING OF REINFORCING CAGE SHALL NOT BE PERMITTED.

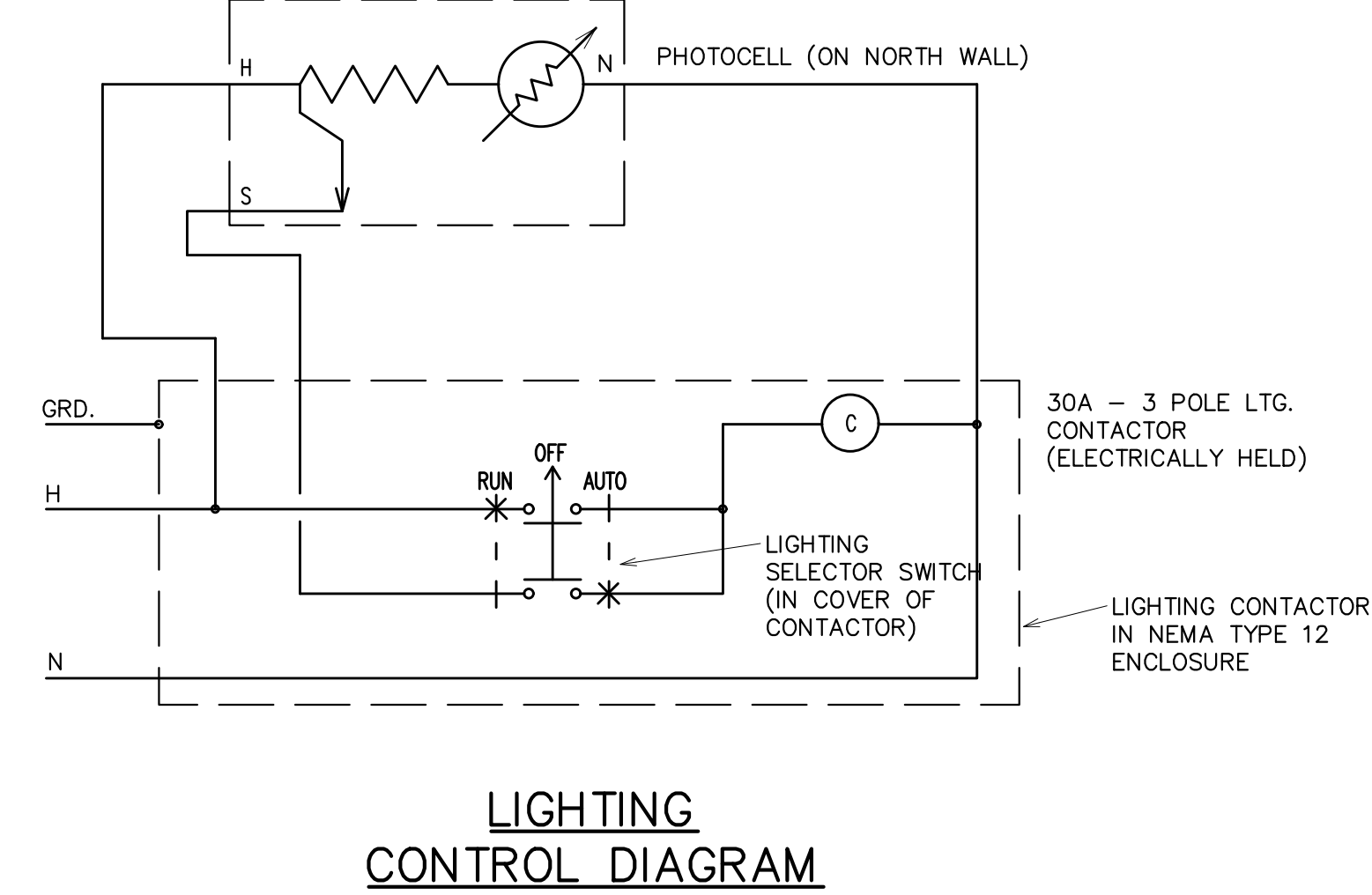


POLE BASE CONNECTION DETAIL
N.T.S.

- a. PROVIDE ANTI-SEIZE COMPOUND ON ALL THREADS PRIOR TO POLE BASE INSTALLATION.
- b. PROVIDE TEMPLATE & ANCHOR BOLT PROJECTION.



TYPE "OA" LIGHT STANDARD
FOUNDATION DETAIL
N.T.S.



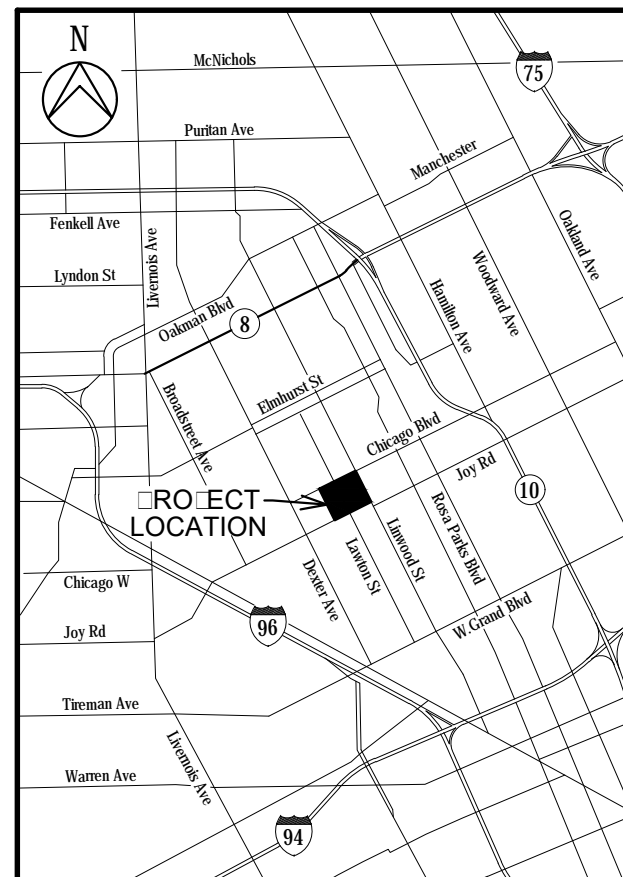
LIGHTING CONTROL DIAGRAM

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DATE	ISSUED FOR / ADDITIONS / REVISIONS
06-15-2017	ISSUED FOR ID
06-06-2017	OWNER'S REVIEW

DESIGNED	M.A. O
DRAWN	C.D. O
CHECKED	M.A. O
APPROVED	C.D. M.C. O



Archdiocese of Detroit
SACRED HEART MAJOR SEMINARY
BID PACKAGE No. 2
CHICAGO BOULEVARD ENTRANCE
2701 W. CHICAGO BLVD.
DETROIT, MI 48206

ALTERNATE No.1
ELECTRICAL LIGHTING PLAN AND DETAILS

HRC JOB NO. 20170223	SCALE AS NOTED
DATE JUNE 2017	SHEET NO. E12

GENERAL NOTES

CONTRACTOR SHALL COORDINATE ALL WORK PRIOR TO INSTALLATION OR FABRICATION OF ANY COMPONENTS. ALL OPENINGS SHALL ALSO BE COORDINATED WITH REFERENCE DRAWINGS.

CONTRACTOR TO OBTAIN AND PAY FOR ALL NECESSARY PERMITS.

ALL WORK MUST CONFORM TO ALL STATUTES OF THE MICHIGAN BUILDING CODE (EDITION IN EFFECT AT THE TIME OF PERMIT), ALL STATE, COUNTY AND LOCAL ORDINANCES, CURRENT BARRIER FREE REGULATIONS, MIOASHA STRUCTURAL GUIDELINES, ASTM STANDARD TESTING PROCEDURES, OWNER'S PRACTICES AND GENERALLY ACCEPTED DESIGN PRACTICES. IF DISCREPANCIES IN DRAWING APPEAR, WORK MUST BE DONE PER CODE.

CONTRACTOR TO BECOME FAMILIAR WITH AND COMPLY WITH ALL OWNER REQUIREMENTS AND CONDITIONS.

ALL EXISTING DIMENSIONS, CONDITIONS, SIZES & LOCATIONS ARE TO BE FIELD VERIFIED.

THE CONTRACTOR SHALL KEEP THE SITE IN A NEAT AND ORDERLY CONDITION AND SHALL REMOVE RUBBISH DAILY OR AS DIRECTED BY OWNER. ALL STAGING AND MATERIALS STORAGE IS TO BE COORDINATED WITH THE OWNER. THE CONTRACTOR SHALL TAKE PRECAUTIONS TO ISOLATE CONSTRUCTION ACTIVITIES FROM ADJACENT AREAS THAT ARE TO REMAIN IN OPERATION DURING CONSTRUCTION - CONFIRM SCHEDULE AND REQUIRED BARRICADES WITH OWNER PRIOR TO COMMENCEMENT.

CONTRACTOR SHALL PROVIDE OPENINGS AND SUPPORT. SEAL TIGHT ALL OPENINGS (ROOF, WALL AND CEILING), EQUIPMENT AND/OR PENETRATIONS - FROM AIR AND MOISTURE.

FINAL OPENING DIMENSIONS, CONNECTION SIZES, CLEARANCES, ETC. MUST BE COORDINATED DURING CONSTRUCTION WITH APPROVED COMPONENTS.

REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION AND APPROVED MANUFACTURERS.

ALL INSTALLATIONS TO BE COORDINATED WITH EXISTING CONDITIONS FOR PROPER SIZE, LOCATION AND PROVISIONS REQUIRED TO INSTALL COMPONENTS.

PIPING & CONDUIT HANGERS AND SUPPORT LOCATION ARE NOT SHOWN ON DRAWINGS. THE CONTRACTOR SHALL PROVIDE THE PIPING AND CONDUIT HANGERS AND SUPPORTS NECESSARY AS REQUIRED PER CODE.

CONTRACTOR SHALL PROVIDE ALL REQUIRED TRANSITIONS, FITTINGS AND APPURTENANT CONNECTIONS.

CONFIRM ANY COLOR SELECTIONS WITH OWNER. COLORS TO MATCH/ COORDINATE WITH EXISTING BUILDING.

PROVIDE MINIMUM 42" DEEP REINFORCED POURED CONCRETE FOUNDATIONS FOR ALL NEW BUILDINGS, PIERS, GATES AND FENCES IN THIS WORK SCOPE. SEE DETAILED PLANS FOR REFERENCE.

SPECIFICATIONS:

MINERAL FIBER INSULATION FOR ATTIC SPACE

ROOF - R-38 RATED, 24" WIDE, FOIL FACED GLASS FIBER BATTS, OWENS CORNING FSK FACED ECOTOUCH OR EQUAL, COMPLYING WITH ASTM C665, TYPE 1, ASTM E 136 AND ASTM E84.

STUD WALL INSULATION

STUD WALL INSULATION SHALL BE VAPOR BARRIER FACED 5-1/2 INCH (R-19) THICK GLASS FIBER BATTS, OWENS CORNING OR EQUAL, COMPLYING WITH ASTM C665, TYPE 1 & ASTM E 136.

FOUNDATION INSULATION

MINIMUM 2 INCH THICK (UNLESS SPECIFICALLY NOTED) EXTRUDED POLYSTYRENE, OWENS CORNING "FOAMULAR" OR EQUAL, COMPLIANT WITH ASTM C578 TYPE IV AND ASTM E84.

FLOOR SEALER

SEAL CONCRETE FLOOR WITH CLEAR ACRYLIC SEALER, NON-YELLOWING ABRASION RESISTANT CONCRETE SEALER, KEY ACRYLIC, BY KEY RESIN CO. (OR APPROVED EQUAL). SPREAD SHALL BE 300-350 SQUARE FEET PER GALLON. PROVIDE MINIMUM (2) COATS AT ALL AREAS.

WALL BASE

PROVIDE 4" HIGH RUBBER COVE BASE WITH TOE BY JOHNSONITE OR ROPPE AT ALL WALLS. COLOR TO BE SELECTED BY OWNER FROM MANUFACTURER'S STANDARD COLOR LINE.

ACOUSTICAL CEILING TILES & GRID

COMMERCIAL ACOUSTICAL LAY-IN CEILING TILES AND GRID - LEDGES II 2'x2' SQUARE LAY-IN TILES (COLOR: WHITE) WITH 9/16" SUPRAPINE SUSPENSION SYSTEM (COLOR: WHITE) BY ARMSTRONG.

FIRE EXTINGUISHER

PROVIDE (1) EXTINGUISHER, DRY CHEMICAL TYPE, UL LISTED, STEEL CYLINDER UNIT WITH PRESSURE GAUGE, 10 LB. CAPACITY, 10-A: 80-B; C, WALL MOUNT WITH CHROME BRACKET & SIGNAGE IN OWNER SELECTED LOCATION.

WORKSTATION COUNTERS

CUSTOM FABRICATED PLYWOOD COUNTERS WITH PLASTIC LAMINATE FINISH - 1-1/2" THICK WITH LAMINATE EDGE BAND AT ALL EXPOSED FACES. PROVIDE 3/4" THICK X 4" HIGH PLYWOOD BACKSPLASH WITH MATCHING LAMINATE FINISH AT ALL WALL SURFACES. PROVIDE HEAVY DUTY METAL COUNTER SUPPORTS AS REQ'D - VERIFY EXACT LOCATIONS OF BRACKETS IN FIELD W/ OWNER. LAMINATE COLOR TO BE SELECTED BY OWNER FROM MFR. FULL RANGE OF STANDARD LAMINATES (.048" THICK, HORIZONTAL GRADE) - MFRS. TO BE FORMICA, PIONITE, NEVAMAR OR WILSONART.

BUILDING SECURITY SYSTEM

BUILDING SECURITY SYSTEM BY OWNER - G.C. TO COORDINATE INSTALLATION OF ALL EQUIPMENT & SECURITY CONTROL PANEL WITH OWNER DURING CONSTRUCTION.

GENERAL MECHANICAL AND ELECTRICAL REQUIREMENTS:

THESE SPECIFICATIONS, ALL OTHER DOCUMENTS ATTACHED HERETO, ALL ADDENDA ISSUED AND THE ACCOMPANYING PLANS ARE INTENDED TO PROVIDE FOR THE COMPLETE FURNISHING AND INSTALLATION OF THE ENTIRE MECHANICAL & ELECTRICAL SYSTEMS.

THE WORK SHALL BE DONE IN ACCORDANCE WITH BEST PRACTICE SO AS TO CONTRIBUTE TO EFFICIENCY OF OPERATION AND MINIMUM MAINTENANCE AND SHALL BE INSTALLED WITH PROPER ACCESSIBILITY. THE MATERIALS AND EQUIPMENT, INCLUDING ALL NECESSARY ACCESSORIES, SHALL BE PUT INTO PROPER ADJUSTMENT SO THAT THE COMPONENT PARTS FUNCTION TOGETHER AS A WORKABLE SYSTEM. THE MECHANICAL & ELECTRICAL CONTRACTORS SHALL PROVIDE ALL EQUIPMENT, MATERIALS AND OPERATIONS AS INDICATED EITHER ON THE DRAWINGS OR CONTAINED HEREIN OR AS MAY BE REASONABLY IMPLIED BY EITHER TO ACCOMPLISH THE COMPLETE INSTALLATION.

PROVIDE ALL MATERIALS, EQUIPMENT, LABOR AND INCIDENTALS NECESSARY FOR COMPLETE AND OPERABLE MECHANICAL SYSTEMS. PROVIDE ALL NECESSARY TESTS AND PAY FOR ALL FEES, PERMITS, INSPECTIONS, ETC. AS REQUIRED BY LOCAL AUTHORITIES - SECURE PERMITS PRIOR TO STARTING WORK. OBTAIN ALL PERMITS, LICENSES, INSPECTIONS AND BONDS. PERFORM ALL TESTS REQUIRED. UPON COMPLETION OF THE WORK, OBTAIN AND SEND CERTIFICATES OF INSPECTION AND APPROVAL TO THE ARCHITECT/OWNER. PAY ALL FEES AND EXPENSES FOR PERMITS, LICENSES, TESTS AND INSPECTIONS.

IT IS THE RESPONSIBILITY OF THE CONTRACTOR THAT HIS WORK IS INSTALLED IN THE MOST DIRECT AND WORKMANLIKE MANNER AND THAT INTERFERENCE IS AVOIDED.

THE DRAWINGS ARE GENERALLY DIAGRAMMATIC AND INDICATIVE OF THE EQUIPMENT AND SYSTEMS TO BE INSTALLED AND THE GENERAL LOCATION AND ARRANGEMENT OF MECHANICAL & ELECTRICAL WORK. DUE TO THE SCALE OF THE DRAWINGS IT IS NOT POSSIBLE TO INDICATE THE EXACT LOCATION AND ROUTING OF WORK, UNLESS REFERENCE DIMENSIONS ARE SPECIFICALLY INDICATED ON DRAWINGS. DEVIATIONS FROM CONTRACT DRAWING LAYOUT IN ORDER TO AVOID INTERFERENCES WITH OTHER TRADES, OR OTHER WORK SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT, WITH NO INCREASE IN CONTRACT PRICE. ALL COSTS FOR REMOVAL AND RELOCATION OF MECHANICAL & ELECTRICAL WORK RESULTING FROM FAILURE TO COORDINATE WITH OTHER TRADES SHALL BE PAID BY THE SUBCONTRACTOR.

INSTALLATION SHALL CONFORM TO ALL LOCAL CODES AND ORDINANCES. THE CONTRACTOR SHALL BE HELD TO BE FULLY INFORMED OF ALL LAWS, ORDINANCES AND CODES, AND SHALL, IN THE PERFORMANCE OF THE CONTRACT, COMPLY WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL AFORESAID REGULATIONS. ANY DEVIATION FROM THE PLANS OR SPECIFICATIONS AND ANY ADDITIONAL WORK NECESSARY TO MEET CODE REQUIREMENTS, SHALL BE MADE BY THE CONTRACTOR WITHOUT EXTRA COST TO THE OWNER.

ALL EQUIPMENT IS TO BE U.L. LISTED AND LABELED.

THE CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH EXISTING CONDITIONS PRIOR TO SUBMITTING A BID. NOTIFY THE ARCHITECT OF INTERFERENCES OR DISCREPANCIES.

LOCATIONS AND SIZES OF EXISTING EQUIPMENT, PIPING, ETC., HAVE BEEN TAKEN FROM ORIGINAL DESIGN DRAWINGS AND MAY NOT BE EXACTLY AS SHOWN. THE CONTRACTOR SHALL FIELD VERIFY LOCATIONS, SIZES, ETC., PRIOR TO ANY NEW WORK.

EACH TRADE SHALL BE RESPONSIBLE FOR IT'S OWN CLEAN-UP. COORDINATE WITH THE ARCHITECTURAL TRADES.

BUILDING DATA:

APPLICABLE CODES:
 2015 MICHIGAN BUILDING CODE (MBC)
 2014 NATIONAL ELECTRICAL CODE
 2015 MICHIGAN MECHANICAL CODE
 2015 MICHIGAN PLUMBING CODE
 2015 INTERNATIONAL FIRE CODE
 2009 MICHIGAN UNIFORM ENERGY CODE

USE GROUP (302.306): GATE HOUSE, "U" UTILITY

CONSTRUCTION TYPE (TABLE 601 & 602): VB

FLOOR AREA (GROSS PER SECTION 1002): 154 SF.

OCCUPANT LOAD (TABLE 1004):
 100 SF GROSS PER OCCUPANT
 154 SF/100 = 2 OCCUPANTS

OCCUPANT LOAD CALCULATION:
 154 SF/100 = 2 OCCUPANTS

ACCESSIBILITY (1103):
 THIS BUILDING IS EXEMPT FROM ACCESSIBILITY REQUIREMENTS UNDER MBC SECTION 1103.2.4.

TAG	MITSUBISHI MODEL NO.		ELECTRICAL								CAPACITIES		UNIT WEIGHTS (LBS)		REFRIGERANT	SEER	HSPF	COP AT 47°F/17°F	ENERGY STAR	NOTES/ ACCESSORIES	
	INDOOR UNIT	OUTDOOR UNIT	INDOOR UNIT				OUTDOOR UNIT				MAX COOLING MBH	RATED HEATING MBH AT 5°F	HEATING MBH AT 13°F BELOW ZERO	INDOOR UNIT							OUTDOOR UNIT
			VOLTAGE	FLA	MCA	MOP	VOLTAGE	FLA	MCA	MOP											
HP-1	MSZ-FH18NA2	MJZ-FH18NA2	208/230/1/60	0.7	1.0	-	208/230/1/60	-	15.0	-	17.2	20.3	16.2	310	280	R-410A	21	12	3.46/3.04	YES	A

A: MHK1 WIRELESS WALL MOUNTED THERMOSTAT, LOW AMBIENT OPERATION DOWN TO 13 F BELOW ZERO, DX REFRIGERANT PIPING PER MFR INSTALLATION GUIDE, BUILT-IN CONDENSATE OVERFLOW SWITCH, BASE PAN HEATER IN OUTDOOR UNIT, GRADE MOUNTING SYSTEM PREFABRICATED EQUIPMENT PAD BY "DIVERSITECH" OR EQUAL AND QUICKSLING 18" HIGH EQUIPMENT SUPPORT STAND, MATCH PAD AND FRAME SIZE TO OUTDOOR UNIT DIMENSIONS. #14 4-WIRE W/ GROUND REQUIRED PER INSTALLATION GUIDE, MITSUBISHI 3-POLE SERVICE DISCONNECT FOR INDOOR UNIT, STANDARD OUTDOOR WEATHERPROOF DISCONNECT.

NOTE: PROPOSED NEW MATERIALS TO MATCH APPEARANCE OF EXISTING SEMINARY



REFERENCE PHOTO 01
EXISTING GATE HOUSE



REFERENCE PHOTO 02
EXISTING GATE HOUSE



REFERENCE PHOTO 03
EXISTING GATE HOUSE



REFERENCE PHOTO 04
EXISTING GATE HOUSE



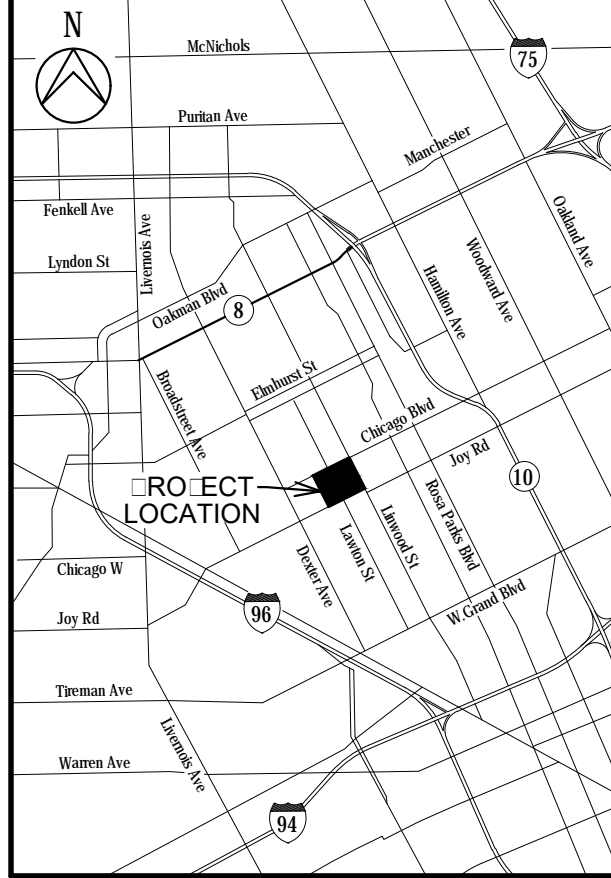
REFERENCE PHOTO 05
EXISTING BUILDING ADJACENT TO NEW GUARD HOUSE



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 Fax: 248-347-7005
 Email: mmetz@grissim-metz.com

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 FAX (2nd Floor): (248) 338-2592
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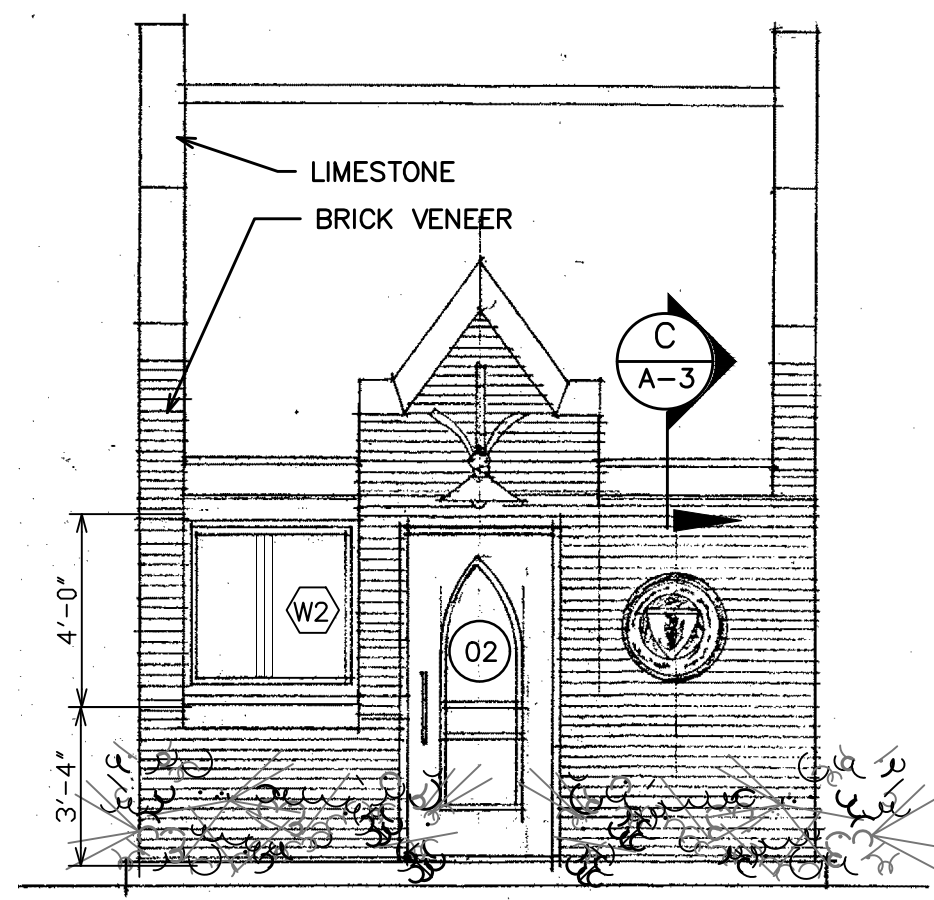
06-20-2017	ISSUED FOR BIDS
06-06-2017	OWNER'S REVIEW
DATE	ISSUED FOR / ADDITIONS / REVISIONS
DESIGNED	AMM
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CHECKED	AMM
APPROVED	DM



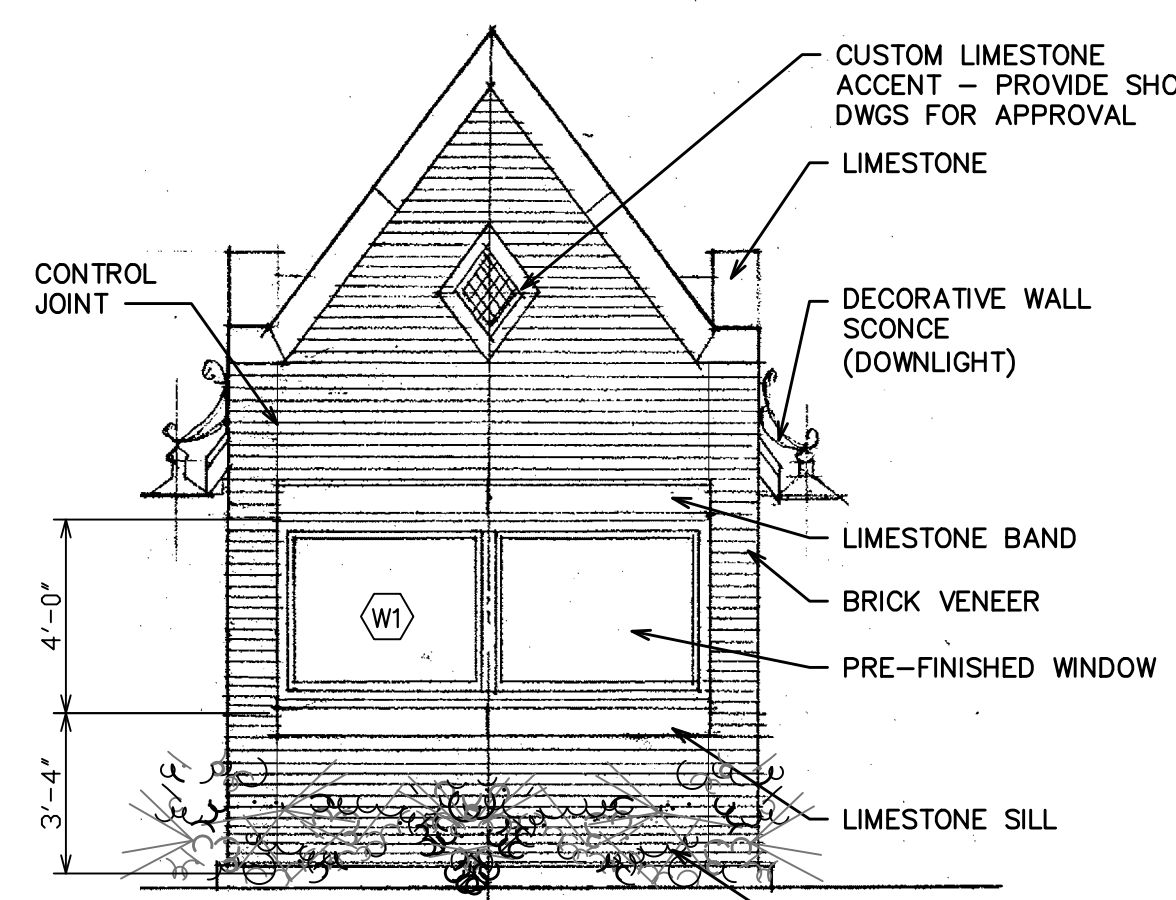
Archdiocese of Detroit
SACRED HEART MAJOR SEMINARY
BID PACKAGE No. 2 CHICAGO BOULEVARD ENTRANCE
 2701 W. CHICAGO BLVD.
 DETROIT, MI 48206
 WA:LINE CO:NT MIC:IGAN

ALTERNATE No. 1
GUARD HOUSE NOTES AND REFERENCE PHOTOS

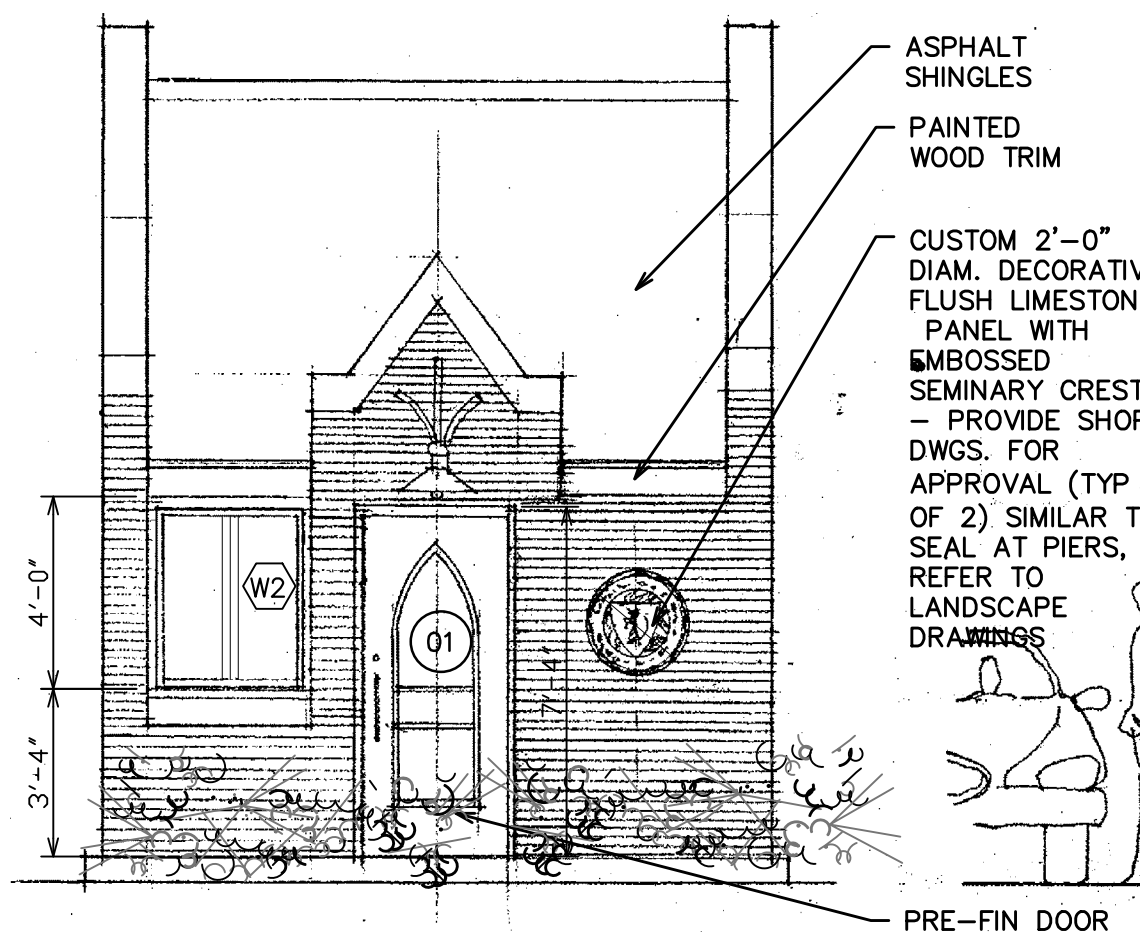
HRC JOB NO. 20170223	SCALE A= NOTED
DATE 06-16-2017	SHEET NO. A1



WEST ELEVATION
SCALE: 1/4" = 1'-0"

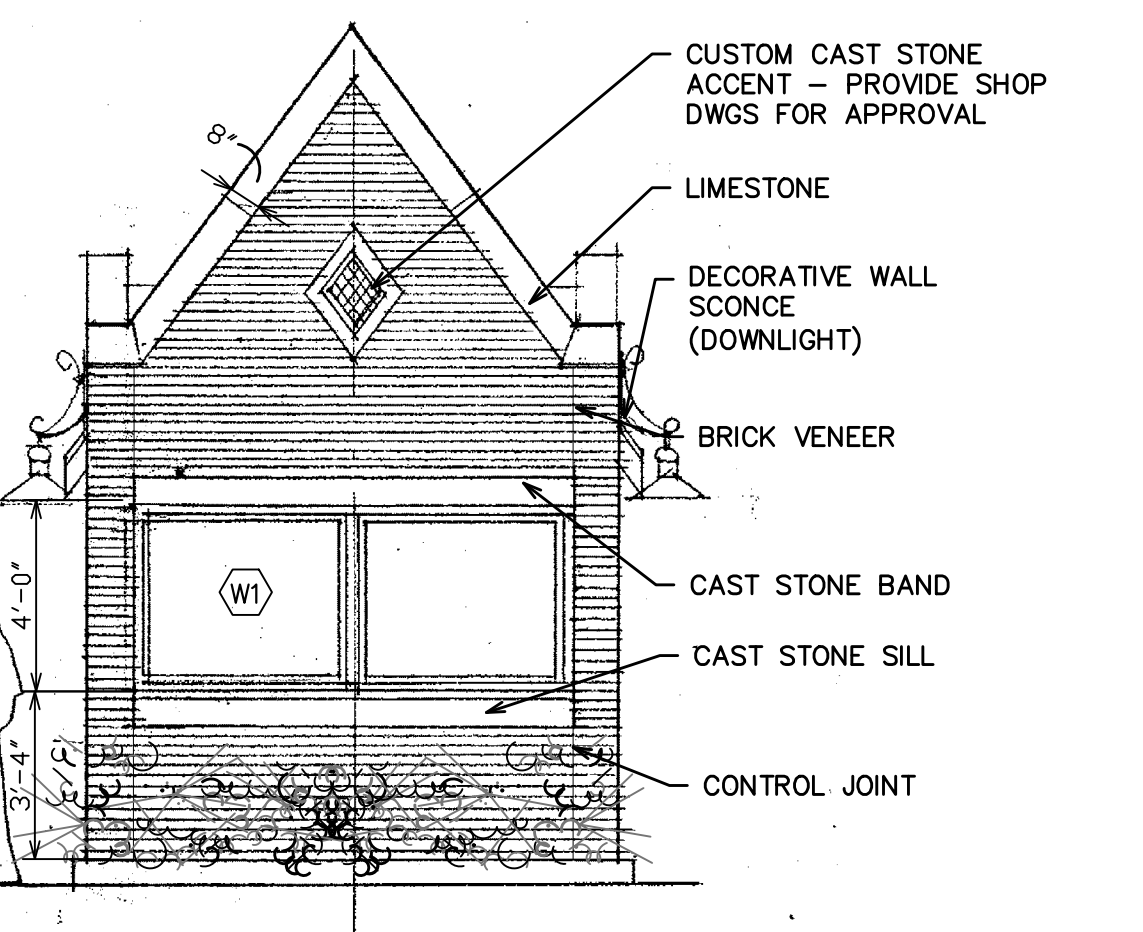


SOUTH ELEVATION
SCALE: 1/4" = 1'-0"



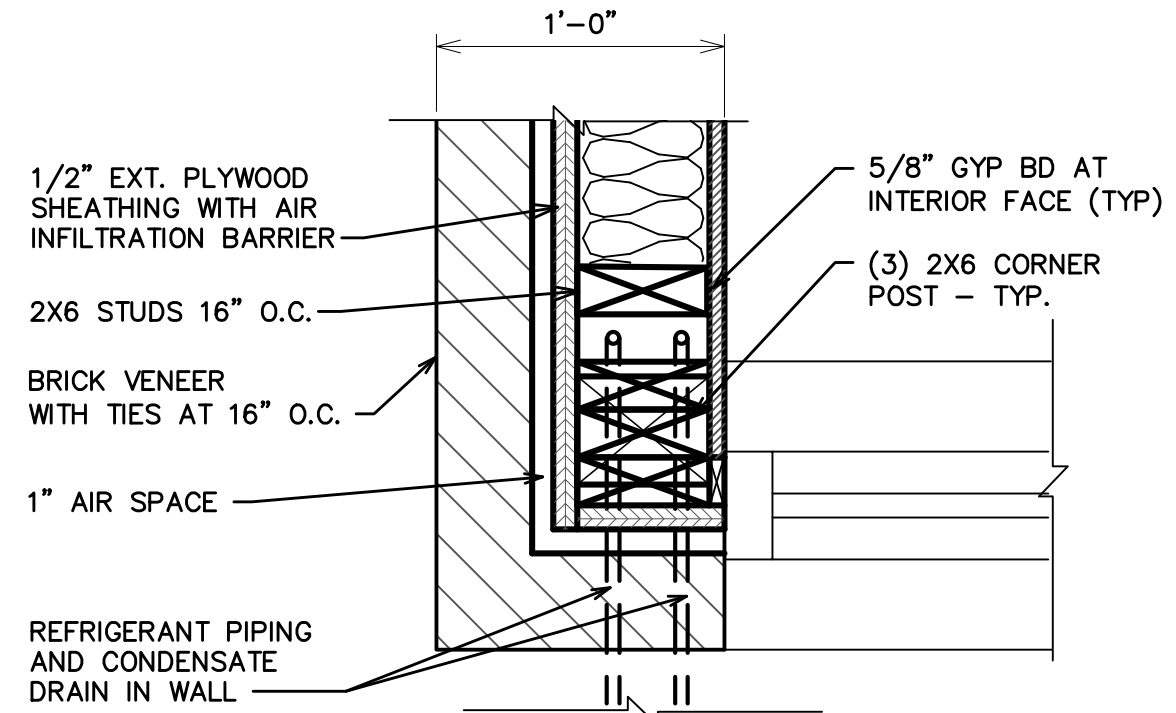
EAST ELEVATION
SCALE: 1/4" = 1'-0"

BRICK VENEER COURSING AND BOND PATTERN TO MATCH NEW SIGN & PIERS. MASON TO PROVIDE SUBMITTAL ON FACADE BRICK DESIGN/LAYOUT FOR REVIEW.

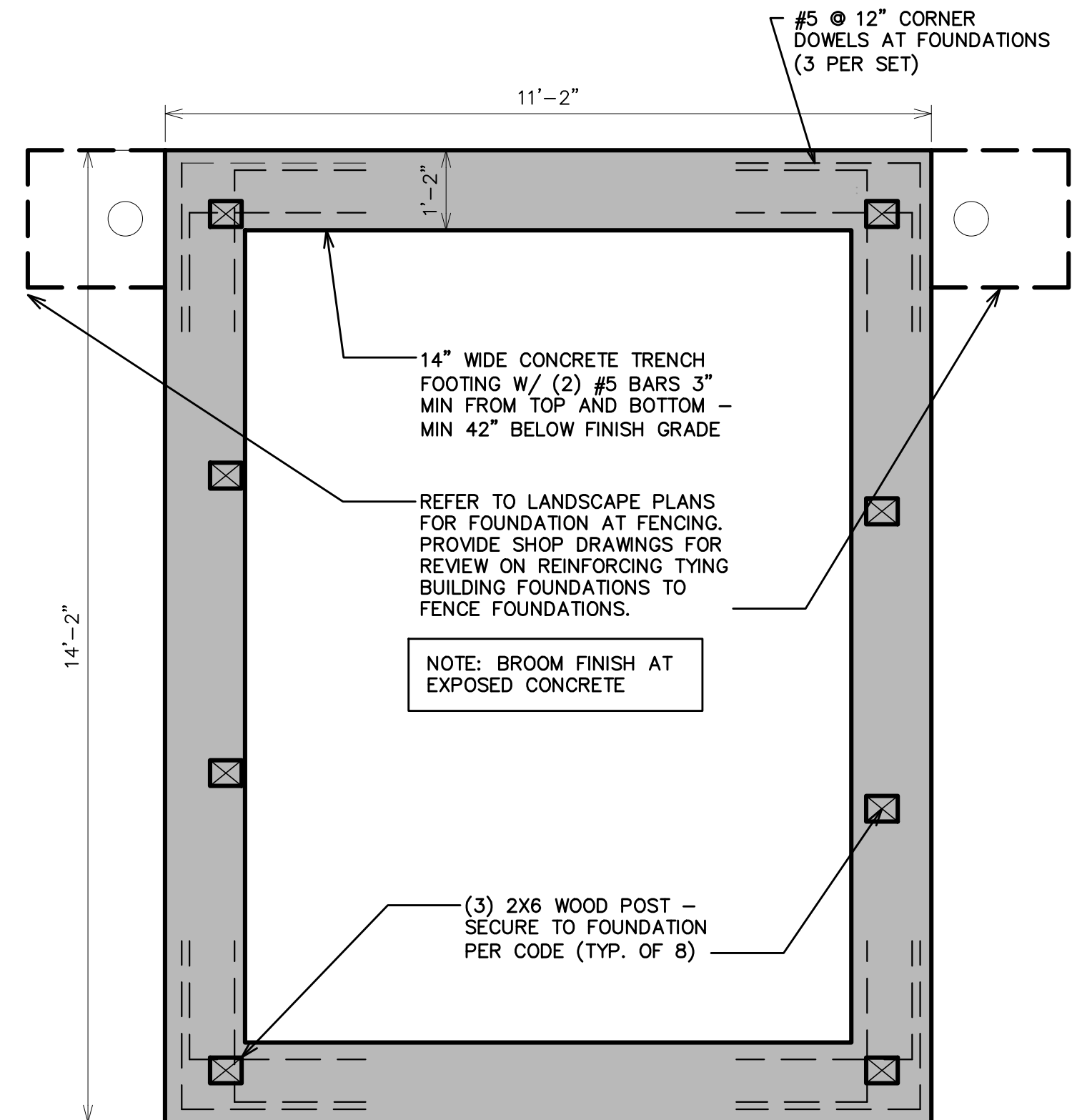


NORTH ELEVATION
SCALE: 1/4" = 1'-0"

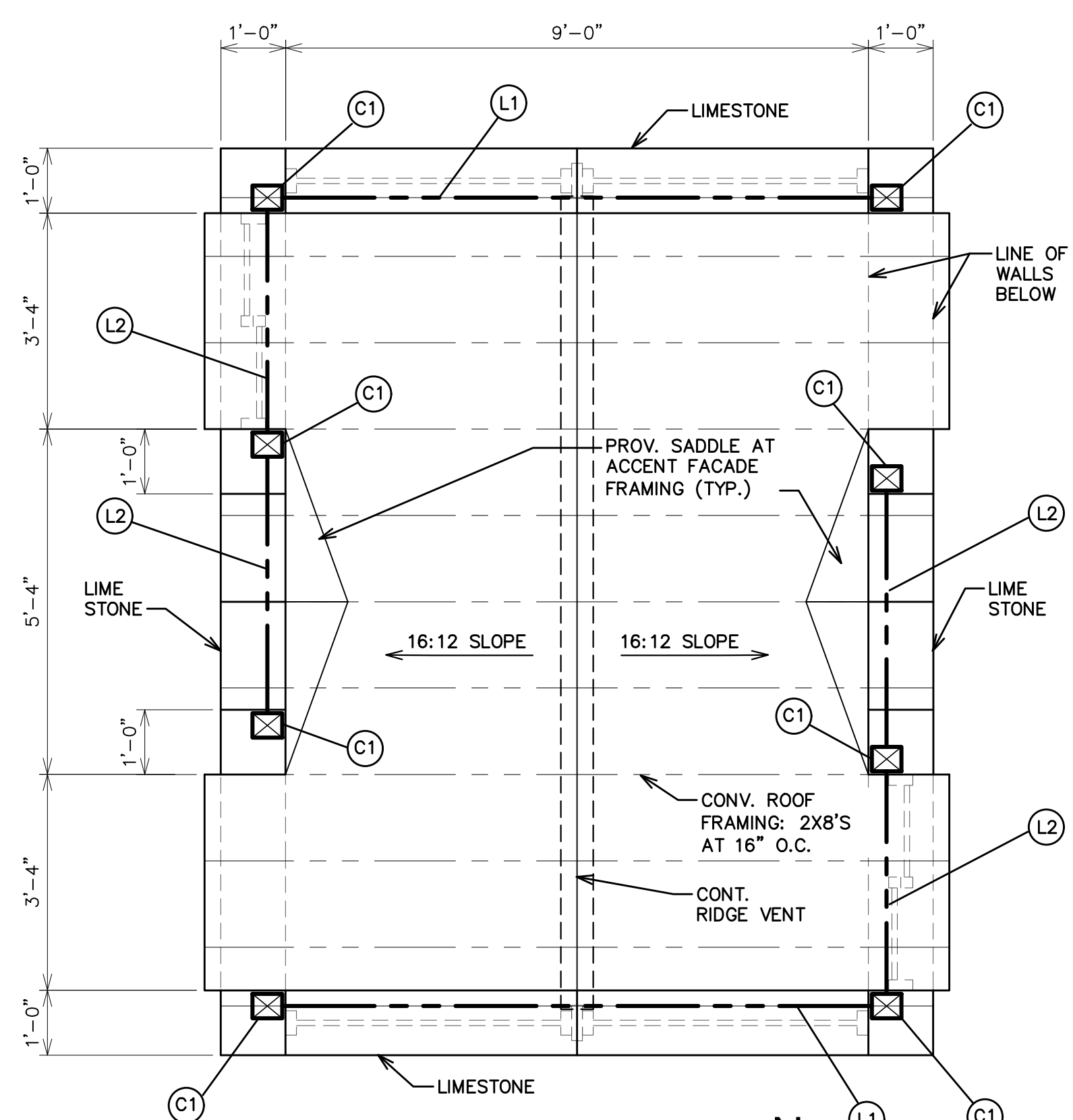
NOTES:
PROPOSED NEW MATERIALS TO MATCH APPEARANCE OF EXISTING EAST GUARD HOUSE. SEE REFERENCE PHOTOS.
ALL GLAZING AT WINDOWS AND DOORS TO BE TEMPERED.



PLAN DETAIL 1
SCALE: 1-1/2" = 1'-0"

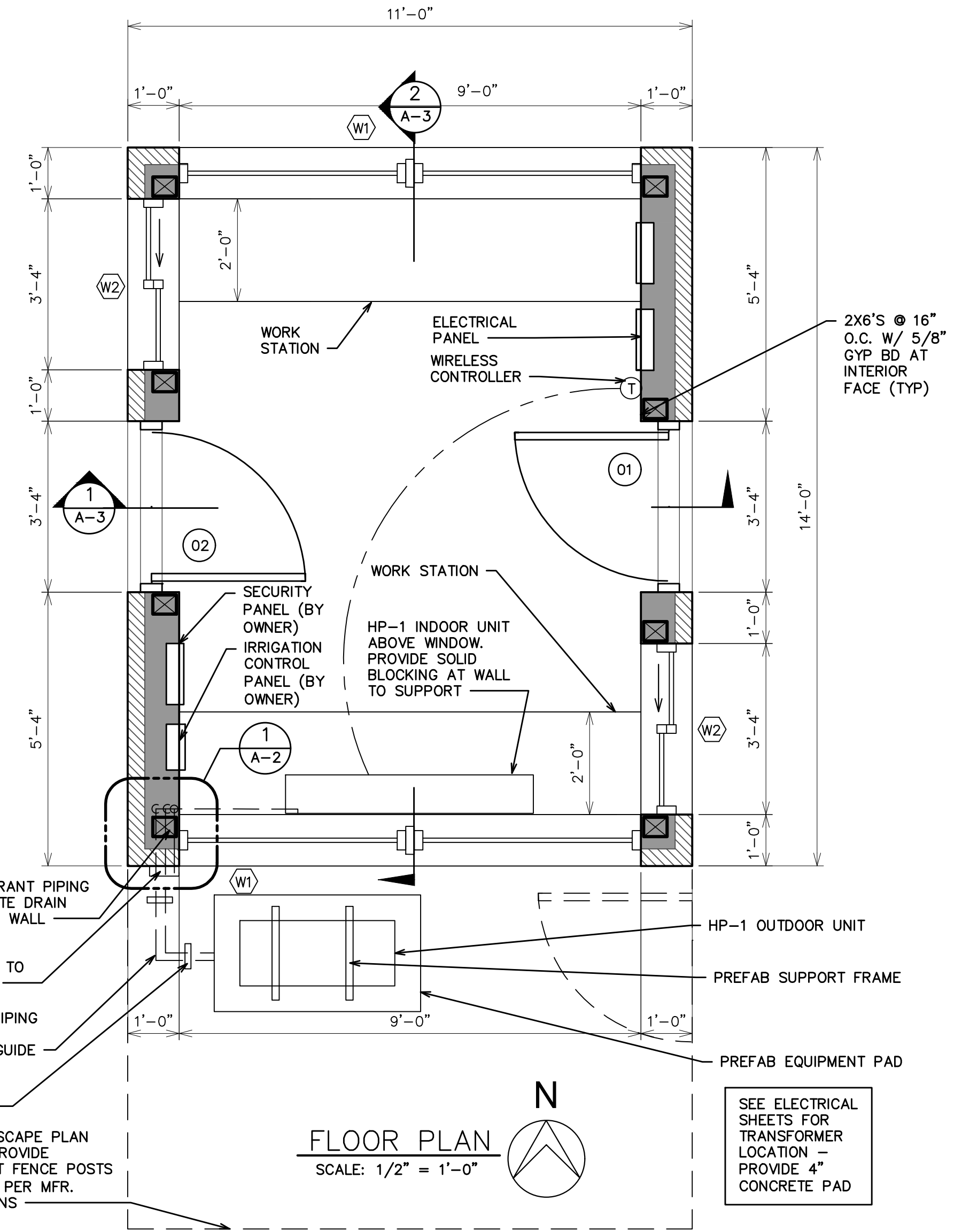


FOUNDATION PLAN
SCALE: 1/2" = 1'-0"



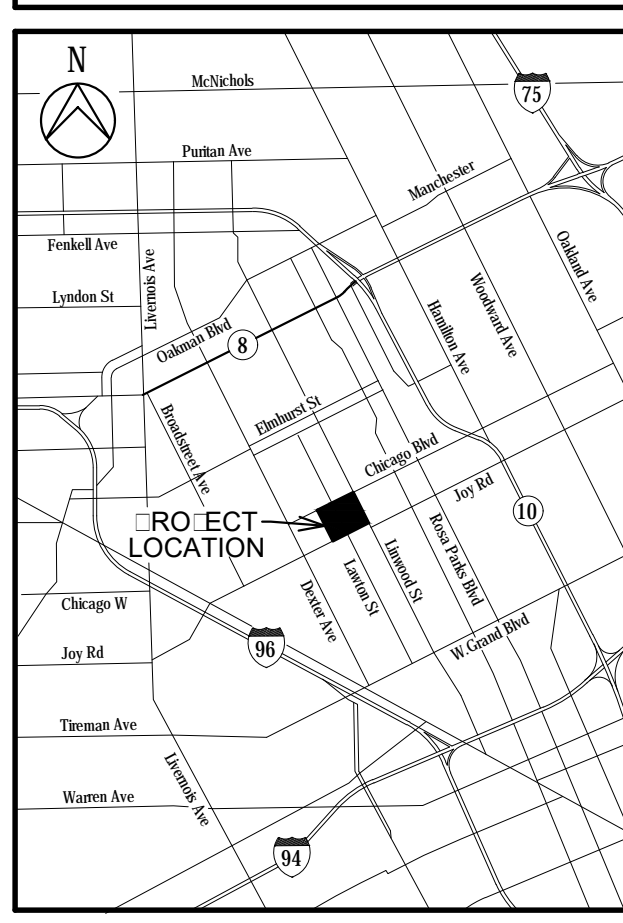
ROOF/FRAMING PLAN
SCALE: 1/2" = 1'-0"

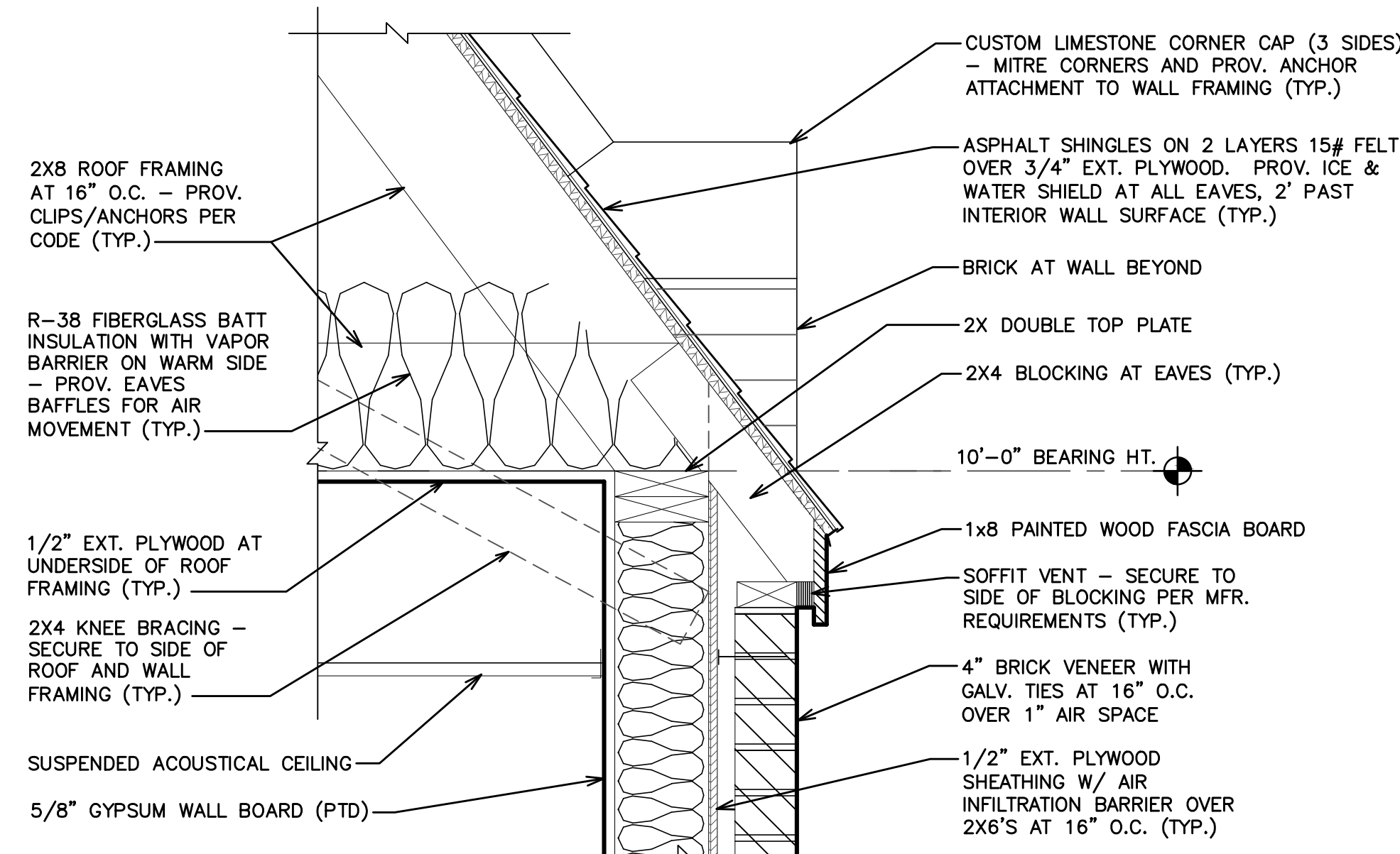
FRAMING LEGEND	
(C1)	(3) 2X6 POST (FULL BEARING)
(L1)	(3) 2X8 HEADER WITH L4x4x1/4 LINTEL
(L2)	(3) 2X6 HEADER WITH L4x4x1/4 LINTEL



FLOOR PLAN
SCALE: 1/2" = 1'-0"

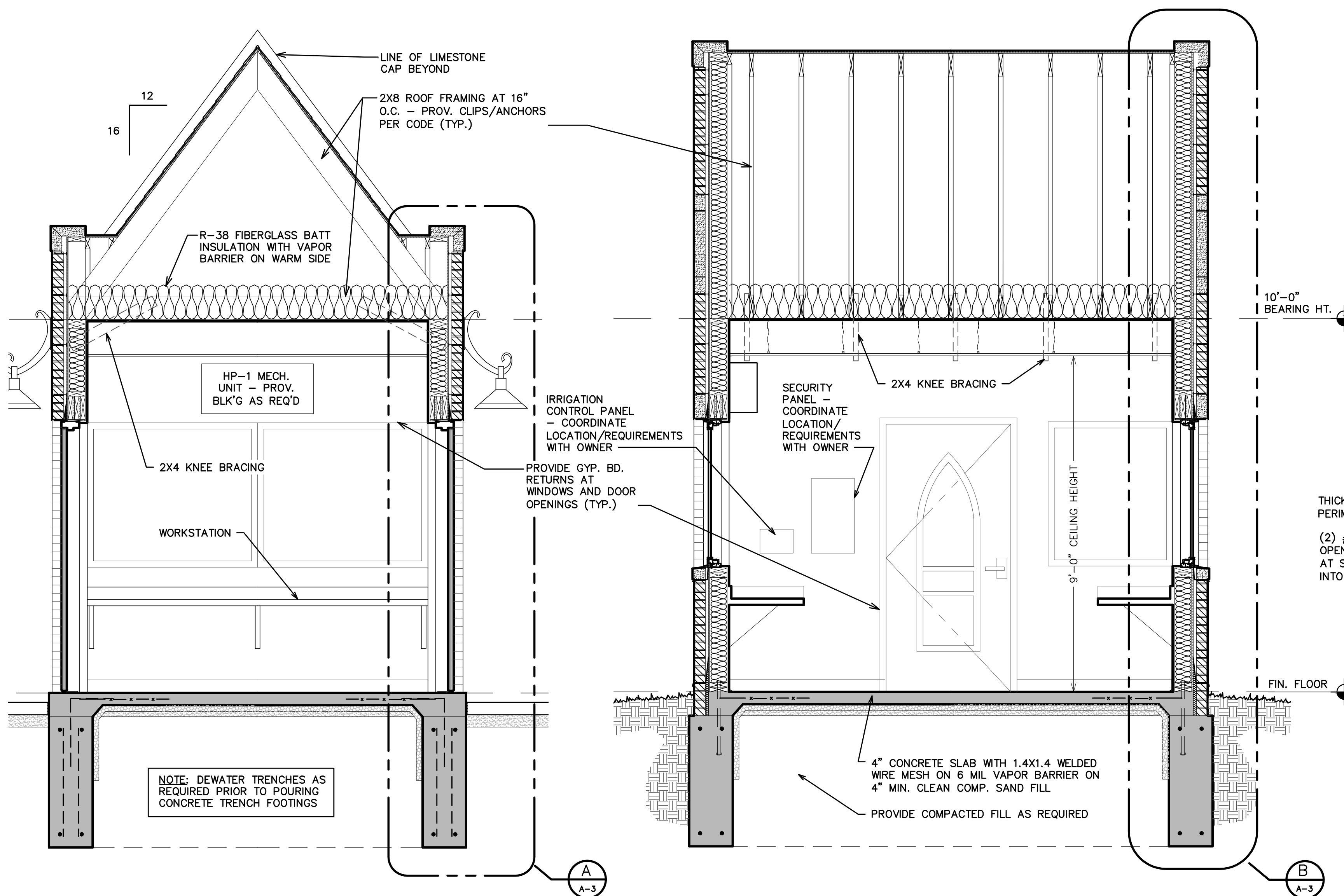
06-20-2017	ISSUED FOR BIDS
06-06-2017	OWNER'S REVIEW
DATE	ISSUED FOR / ADDITIONS / REVISIONS
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CHECKED	AMM
APPROVED	DM





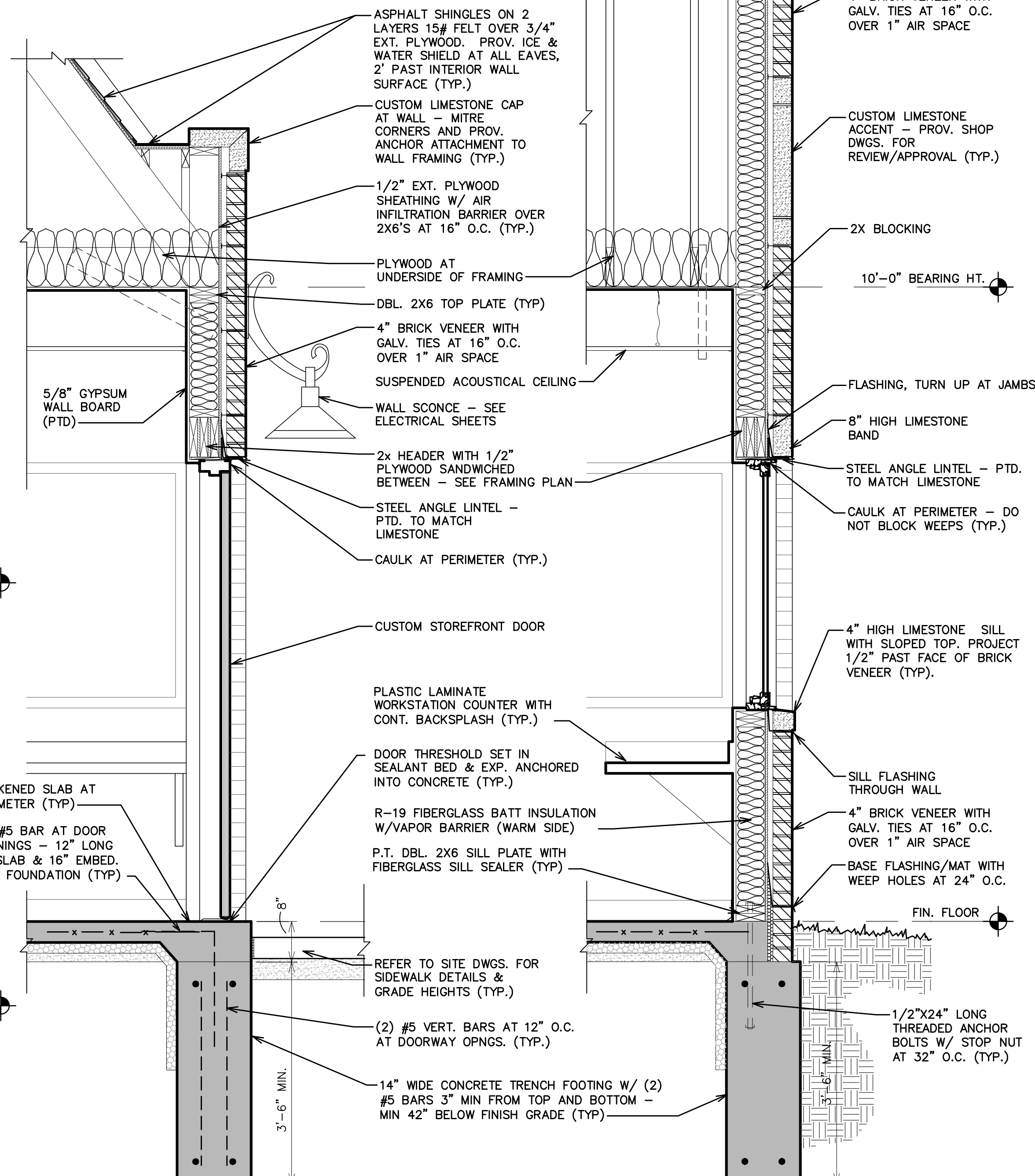
DETAIL C
SCALE 1-1/2" = 1'-0" A-3

- GENERAL NOTES:**
1. THE 28 DAY CONCRETE COMPRESSIVE STRENGTH TEST SHALL BE AT LEAST 3500 PSI. CONCRETE SHALL BE AIR ENTRAINED.
 2. ALL LUMBER IN CONTACT WITH CONCRETE MUST BE PRESSURE TREATED.
 3. PROV. BACKER ROD & SEALANT AT THE INTERSECTION OF ALL DISSIMILAR MATERIALS.



BUILDING SECTION 1
SCALE: 1/2" = 1'-0" A-2

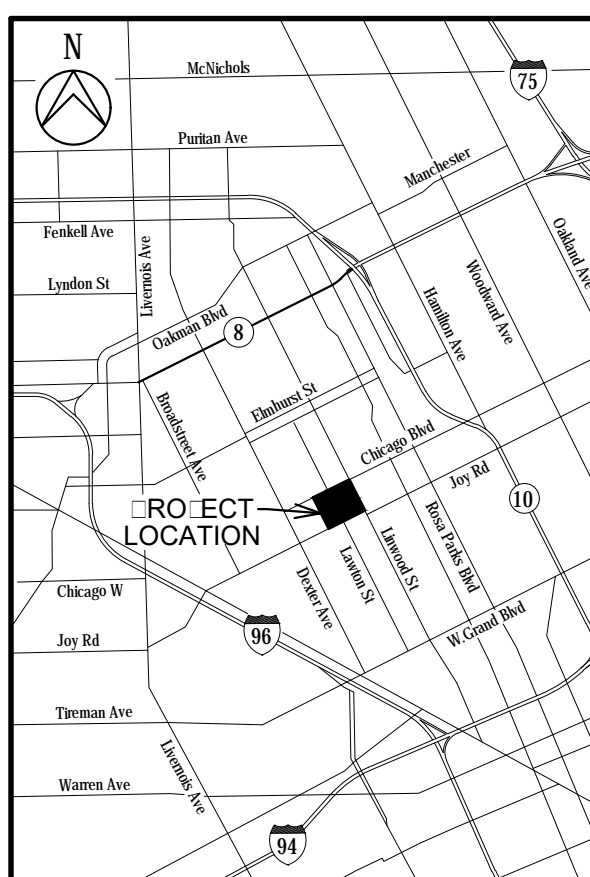
BUILDING SECTION 2
SCALE: 1/2" = 1'-0" A-2



SECTION A
SCALE 3/4" = 1'-0" A-3

SECTION B
SCALE 3/4" = 1'-0" A-3

06-20-2017	ISSUED FOR BIDS
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DRAWN	A
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APPROVED	CDM



Archdiocese of Detroit
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BID PACKAGE No. 2 CHICAGO BOULEVARD ENTRANCE
 2701 W. CHICAGO BLVD. DETROIT, MI 48206
 WA:LINE CO:NT MIC:IGAN

ALTERNATE No. 1
GUARD HOUSE SECTIONS AND DETAILS

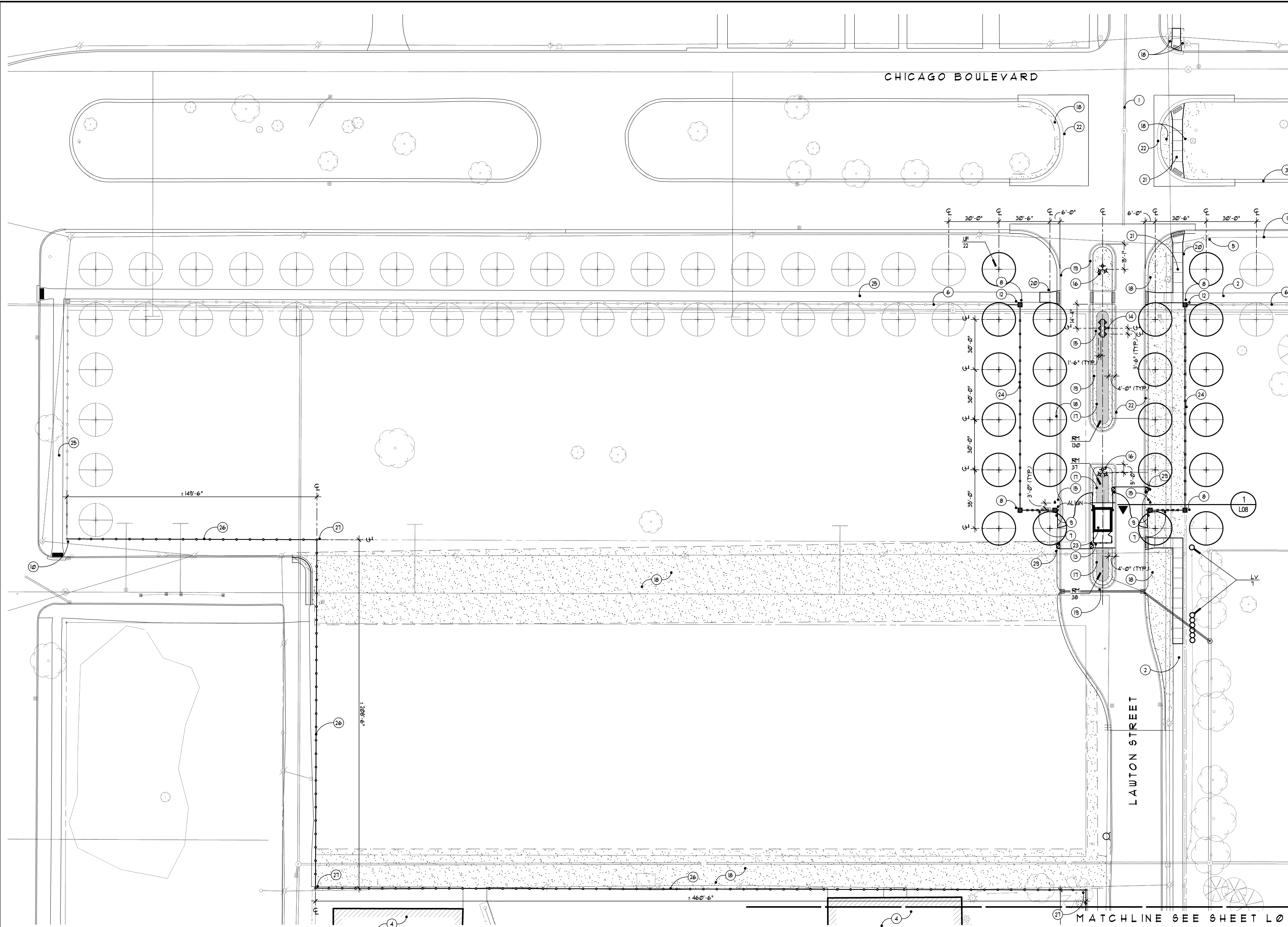
HRC JOB NO.	SCALE
20170223	A NOTED
DATE	SHEET NO.
06-16-2017	A-3

TIME = 6/20/2017 12:13:35 PM

PEN TBL

DESIGN FILE = H:\1606-17\ SACRED HEART PHASE 2\DWG\SHS\1606-17-L03-L04.LANDSCAPE PLAN ALT 1.LWG

USER NAME = NOAH BIRKELIN



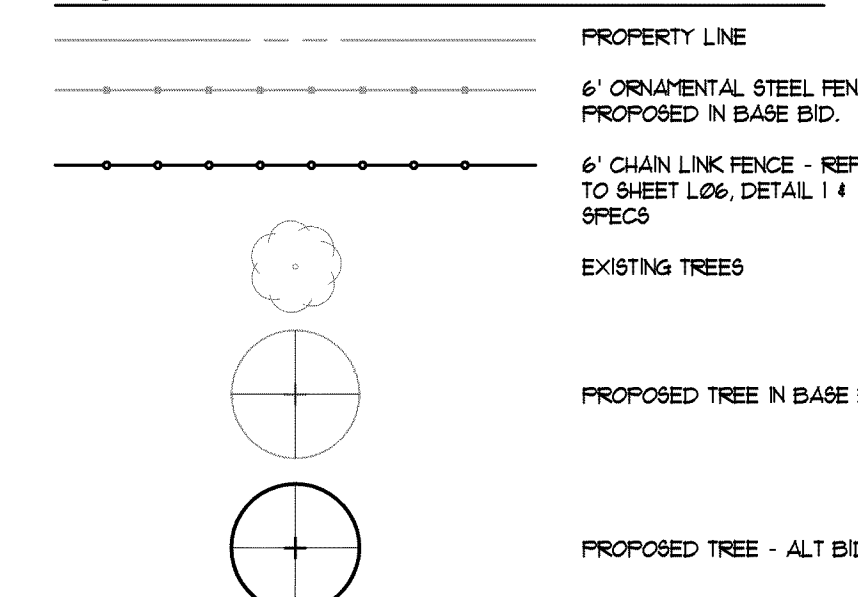
Note Key:

- 1 EXISTING UTILITY LINES
- 2 EXISTING SIDEWALK
- 3 EXISTING CURB
- 4 EXISTING BUILDING
- 5 EXISTING POLES
- 6 EXISTING ORNAMENTAL STEEL FENCE
- 7 NEW ORNAMENTAL STEEL SWING GATE AND CUSTOM ORNAMENTAL STEEL FENCING - REFER TO DETAIL 1, SHEET L06
- 8 NEW 8' TALL BRICK PIER - REFER TO DETAIL 1, SHEET L07
- 9 NEW 12' TALL BRICK PIER - REFER TO DETAIL 1, SHEET L07
- 10 NEW CHAIN LINK FENCE STARTING AT EXISTING CORNER POST.
- 11 END NEW CHAIN LINK FENCE AT ORNAMENTAL FENCE POST - REFER TO DETAIL 4, SHEET L06
- 12 SET NEW 25' STEEL POST PER DETAILS 5 AND REINSTALL SALVAGED SECTION OF EXISTING FENCE. REFER TO DETAIL 4, SHEET L06
- 13 1'-0" x 11'-0" x 40" HT. LATTICE VINYL FENCE ENCLOSURE WITH 3' WIDE SWING GATE. SURFACE MOUNTED TO CONCRETE WALK. COLOR TO BE BLACK. SUBMIT SHOP DRAWINGS AND SAMPLES TO LANDSCAPE ARCHITECT FOR APPROVAL. REFER TO DETAIL 5, SHEET L06
- 14 NEW MONUMENT ENTRANCE SIGN - REFER TO DETAIL 2, SHEET L07
- 15 NEW UPLIGHTING - REFER TO ELECTRICAL PACKAGE
- 16 NEW ORNAMENTAL POLE LIGHT - REFER TO ELECTRICAL PACKAGE
- 17 STEEL EDGING
- 18 NEW SEEDED LAWN AREAS ON 4" OF TOPSOIL - REFER TO SPECIFICATIONS
- 19 3" HEIGHT CRIMMED MEDIAN WITH NEW IRRIGATED SLOTTED LAWN ON 4" OF TOPSOIL AND PLANTING BED - REFER TO SPECIFICATIONS AND IRRIGATION PLANS
- 20 REPAIR DISTURBED LAWN AREAS FROM SIDEWALK OR FENCE INSTALLATION WITH 4" OF TOPSOIL AND SEED - REFER TO SPECIFICATIONS
- 21 NEW SIDEWALK - REFER TO CIVIL PACKAGE
- 22 NEW CURB - REFER TO CIVIL PACKAGE
- 23 NEW GUARDHOUSE - REFER TO ARCHITECTURAL PACKAGE
- 24 NEW PREFABRICATED STEEL ORNAMENTAL FENCING - REFER TO DETAIL 2, SHEET L06
- 25 NEW SIDEWALK IN BASE BID
- 26 FENCE LINE LOCATED ON PROPERTY LINE
- 27 PROPERTY CORNER
- 28 24' WIDE ORNAMENTAL DOUBLE SWING GATE (ALTERNATE 4) - REFER TO DETAIL 3, SHEET L06
- 29 ARM GATE - REFER TO ELECTRICAL PACKAGE

General Notes:

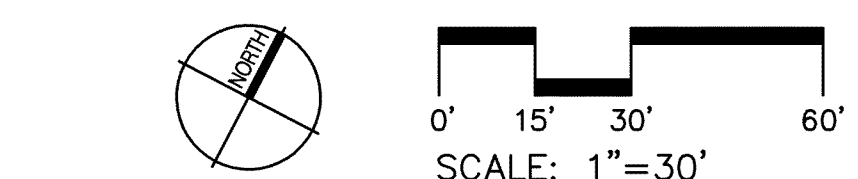
- 1 REFER TO CIVIL PACKAGE FOR REMOVALS, GRADING UTILITY WORK, AND PAVEMENT LAYOUT.
- 2 CONTRACTOR TO STAKE OUT LOCATIONS OF FENCING, TREES, AND PLANTING BEDS FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION
- 3 REFER TO SPECIFICATIONS FOR SUBMITTALS AND ADDITIONAL INFORMATION
- 4 ALL LAWN AREAS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED WITH 4" OF TOPSOIL AND SEED - REFER TO SPECIFICATIONS
- 5 ALL DIMENSIONS ARE TO THE BACK OF CURB UNLESS OTHERWISE NOTED

Legend



Plant List - Phase 2

CODE	QTY	DESCRIPTION	SIZE	COMMENTS
UF	22	Ulmus 'Frontier'	3.5" cal.	Specimen Quality, Matched
		Frontier Elm		
Shrubs				
LV	7	Ligustrum vulgare	36" min. H & spd.	Fully Rooted, Uniform in Form
		European Privet	BB or pot	(Verify & Match ex. Plants)
RM	205	Rosa 'Meisortland'	#3 pot	Fully Rooted, Uniform in Form
		White Drift Rose	Plant 24" o.c.	



NOTICE:
ALL EXISTING UTILITIES SHOWN ON THIS TOPOGRAPHIC SURVEY HAVE BEEN TAKEN FROM VISUAL OBSERVATION AND RECORD MAPPING WHERE AVAILABLE. NO GUARANTEE IS MADE, OR SHOULD BE ASSUMED, AS TO THE COMPLETENESS OR ACCURACY OF THE UTILITIES SHOWN ON THIS DRAWING. PARTIES UTILIZING THIS INFORMATION SHALL FIELD VERIFY THE ACCURACY AND COMPLETENESS PRIOR TO CONSTRUCTION.



CALL MISS DIG
72 HOURS
(3 WORKING DAYS)
BEFORE YOU DIG
1-800-482-7171
or 811
(TOLL FREE)



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WEB SITE: <http://www.hrc-engr.com>

DATE	ISSUED FOR / ADDITIONS / REVISIONS
06-20-2017	ISSUED FOR BIDS
06-06-2017	OWNER REVIEW

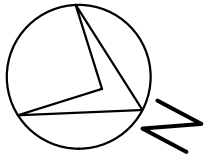
DESIGNED	N.B.
DRAWN	N.B.
CHECKED	S.G.
APPROVED	



Archdiocese of Detroit
SACRED HEART MAJOR SEMINARY
BID PACKAGE No. 2
CHICAGO BOULEVARD ENTRANCE
2701 W. CHICAGO BLVD.
DETROIT, MI 48206
WAYNE COUNTY MICHIGAN

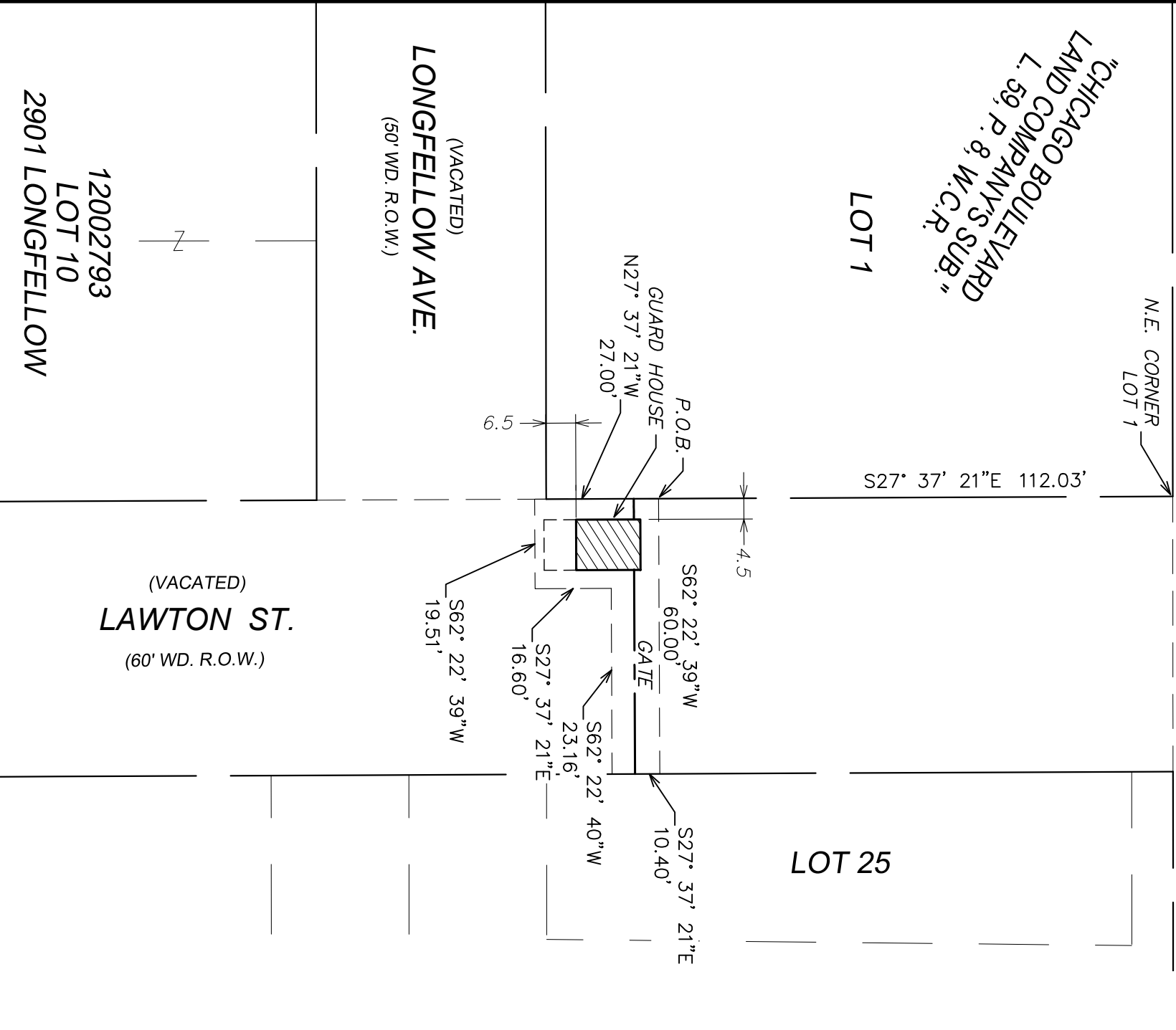
ALTERNATE No. 1 & No. 2
Landscape Plan
HRC JOB NO. 20160073 SCALE 1"=30'
DATE MAY-2017 SHEET NO. L03 OF

SKETCH OF PROPOSED PRIVATE USE EASEMENT



SCALE: 1" = 30'

CHICAGO BLVD. (194' WD. R.O.W.)



12002793
LOT 10
2901 LONGFELLOW

(VACATED)
LONGFELLOW AVE.
(50' WD. R.O.W.)

(VACATED)
LAWTON ST.
(60' WD. R.O.W.)

LOT 25

LOT 1

NE. CORNER
LOT 1

REV.	JOB NO.	DATE
	20170223	2/07/19

GUARD HOUSE AND GATE EASEMENT

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HUBBELL, ROTH & CLARK, INC
CONSULTING ENGINEERS SINCE 1915

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WEB SITE: [http:// www.hrcengr.com](http://www.hrcengr.com)

SHEET NO.

1

OF 4

SKETCH OF PROPOSED PRIVATE USE EASEMENT


06-06-19
20170223

DESCRIPTION OF GUARD HOUSE AND GATE EASEMENT

Part of the vacated right of way of Lawton St.(60 ft. wide) and Longfellow Ave. (50 ft. wide) both being part of Chicago Boulevard Land Company's Subdivision of Lots 27 to 38 inclusive of Montclair Heights Sub'n also of lots 26 to 38 inclusive of Reichenback's West Longfellow Sub'n also of lots 23 to 33 inclusive of Morrison's Longfellow Sub'n and vacated street and alleys all in 1/4 Section 33, 10,000 A.T., City of Detroit, Wayne County, Michigan as recorded in L. 59, P. 8, W.C.R., more particularly described as:

A Guard House and Gate easement, described as beginning at a point on the West right of way line of Lawton St., distant S 27 degrees 37 minutes 21 seconds E 112.03 feet from the Northeast corner of Lot 1 of said Chicago Boulevard Land Company's Sub.; thence S 62 degrees 22 minutes 39 seconds W 60.00 feet; thence S 27 degrees 37 minutes 21 seconds E 10.40 feet; thence S 62 degrees 22 minutes 40 seconds W 23.16 feet; thence S 27 degrees 37 minutes 21 seconds E 16.60 feet; thence S 62 degrees 22 minutes 39 seconds W 19.51 feet; thence N 27 degrees 37 minutes 21 seconds W 27.00 feet to the Point of Beginning.

GUARD HOUSE AND GATE EASEMENT DESCRIPTION

REV.	JOB NO. 20170223	 HUBBELL, ROTH & CLARK, INC CONSULTING ENGINEERS SINCE 1915	555 HULET DRIVE BLOOMFIELD HILLS, MICH. 48303 - 0824	P.O. BOX 824 48303 - 0824	SHEET NO.
	DATE 2/07/19		PHONE: (248) 454-6300 FAX (1st Floor): (248) 454-6312 FAX (2nd Floor): (248) 454-6359 WEB SITE: http:// www.hrcengr.com		2
					OF 4