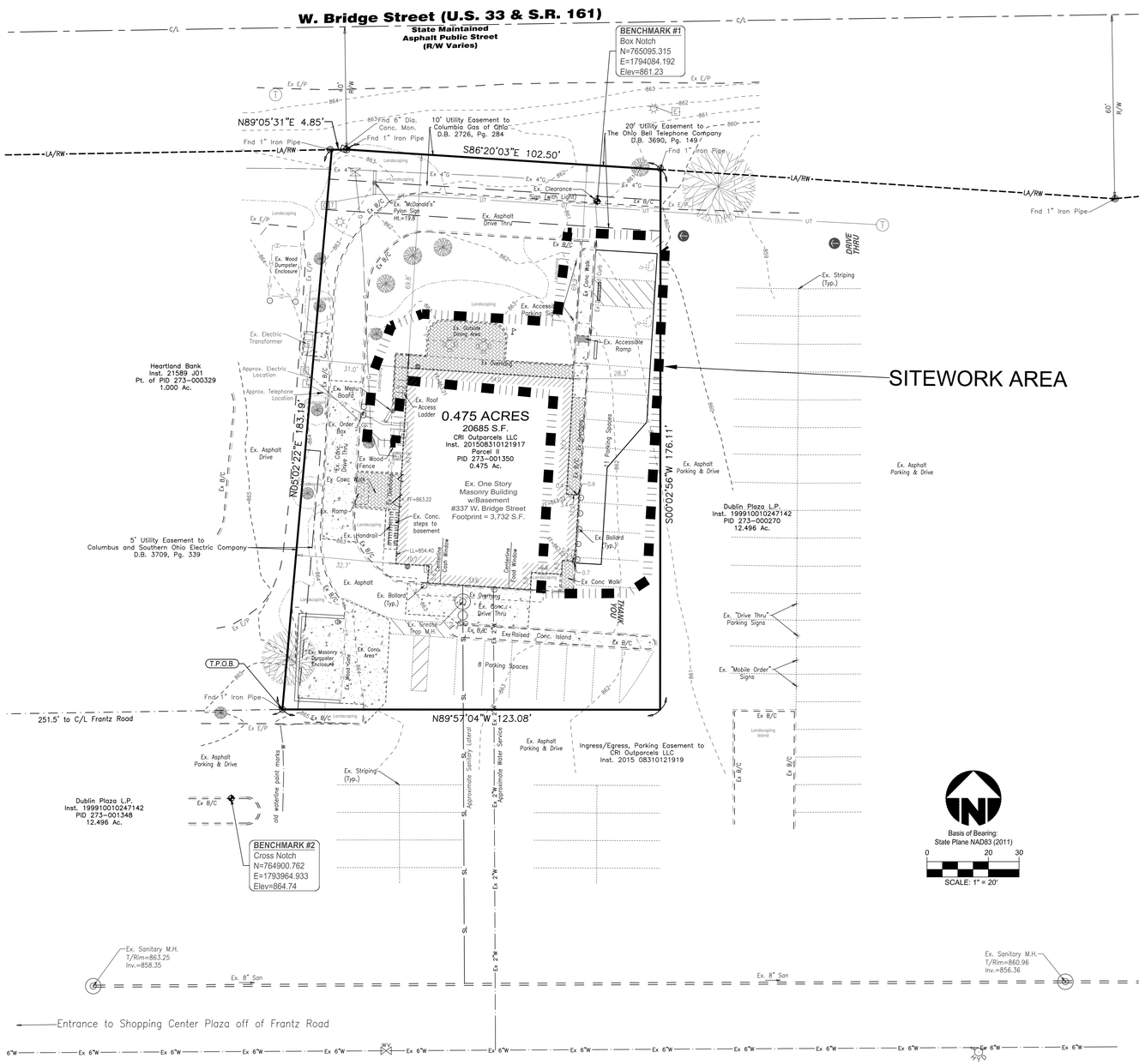
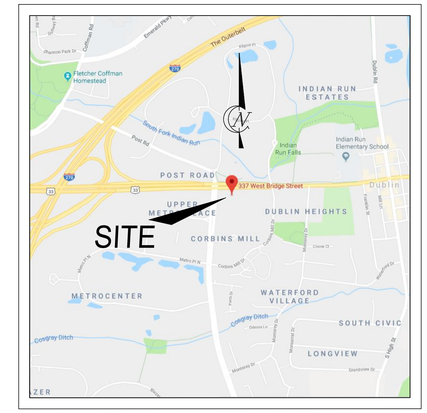
McDONALD'S USA, LLC
L/C# 034-0387

337 WEST BRIDGE STREET, CITY OF DUBLIN
WASHINGTON TOWNSHIP,FRANKLIN COUNTY, OHIO





VICINITY MAP
(Not to Scale)

CIVIL ENGINEER & SURVEYOR

BAYER BECKER, INC.
6900 TYLERSVILLE ROAD, SUITE A
MASON, OH 45040
513-336-6600

APPLICANT

McDONALD'S USA LLC.
2 EASTON BLVD, SUITE 200
COLUMBUS, OH 43219
(513) 267-2046

OWNER

McDONALD'S CORPORATION
PO BOX 66351
CHICAGO, IL 60666

SHEET INDEX

C1.0	TITLE SHEET
C2.0	DEMOLITION PLAN
C3.0	SITE PLAN
C4.0	GRADING PLAN
C5.0	SITE DETAILS
C5.1	SITE DETAILS

BENCHMARK

BENCHMARK 1 DATA:
Box Notch
N=765095.315
E=1794084.192
Elev=861.23

BENCHMARK 2 DATA:
Cross Notch
N=764900.762
E=1793964.933
Elev=864.74

Know what's **below.**
Call before you dig.

LOCATION OF ALL EXISTING UTILITIES TO BE DETERMINED IN THE FIELD PRIOR TO CONSTRUCTION

REV	DATE	DESCRIPTION	BY

STATE OF OHIO
GREGORY J. KOCH
E-69324
REGISTERED
PROFESSIONAL ENGINEER
3/26/18

bayer becker
www.bayerbecker.com
6900 Tylersville Road, Suite A
Mason, OH 45040 - 513.336.6600

L/C# 034-0387

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EXISTING MCDONALD'S RESTAURANT AT:
337 WEST BRIDGE STREET, CITY OF DUBLIN
WASHINGTON TOWNSHIP, FRANKLIN COUNTY, OHIO

JOB NO. 17-0327

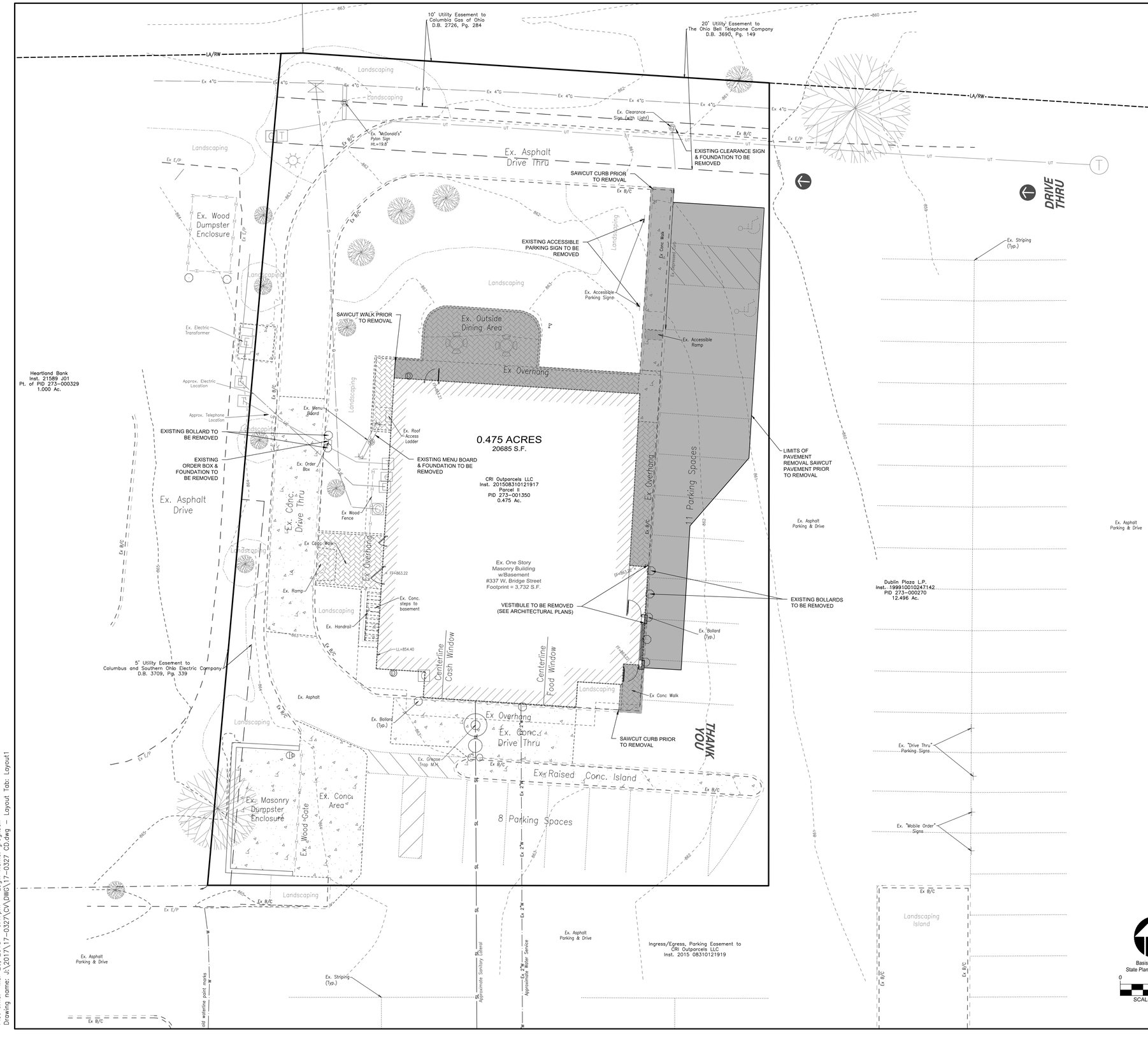
DATE: 03/26/18

SCALE: 1"=20'

TITLE SHEET

SHEET: C1.0

Plot time: Mar 26, 2018 – 6:46pm – Login Name: gregkoch
Drawing name: J:\2017\17-0327\CV\DWG\17-0327 CD.dwg – Layout Tab: Layout1



SITE DEMOLITION NOTES

1. CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT ALL NECESSARY PERMITS/APPROVALS ARE IN PLACE BEFORE BEGINNING CONSTRUCTION.
2. LOCATION AND DEPTH OF EXISTING UTILITIES SHOWN HEREON ARE APPROXIMATE ONLY. ACTUAL LOCATIONS AND DEPTHS MUST BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES, WHETHER SHOWN ON THE PLANS OR NOT, THROUGHOUT ALL PHASES OF CONSTRUCTION.
3. SITE CONTRACTOR IS RESPONSIBLE FOR REMOVING FROM THE SITE ALL ITEMS SHOWN TO BE DEMOLISHED UNLESS OTHERWISE INDICATED OR NOTED. ALL MATERIALS SHALL BE REMOVED FROM SITE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS.
4. ALL EXISTING ITEMS NOT SPECIFICALLY NOTED TO BE DEMOLISHED SHALL REMAIN. CONTRACTOR IS RESPONSIBLE FOR REPLACING EXISTING ITEMS REMOVED DURING DEMOLITION THAT WERE TO REMAIN.
5. THE CONTRACTOR SHALL SAW CUT EXISTING PAVEMENT, CURBS, AND SIDEWALKS AT NEW PAVEMENT, CURB, AND SIDEWALK JUNCTURES, NO JAGGED OR IRREGULAR CUTS WILL BE ACCEPTED.
6. ALL NECESSARY EROSION CONTROL MEASURES ARE TO BE IN PLACE PRIOR TO CONSTRUCTION/DEMOLITION. EROSION CONTROL MEASURES ARE TO BE MAINTAINED AND IN WORKING CONDITION AT ALL TIMES.
7. CONTRACTOR SHALL LIMIT SITE DEMOLITION TO THE LIMITS SHOWN ON THIS PLAN. ANY DEMOLITION OUTSIDE THE LIMITS OUTLINED ON THIS PLAN SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.

DEMOLITION PLAN LEGEND

EXISTING PAVEMENT, CURB & WALK TO BE REMOVED(SAWCUT ALL EDGES PRIOR TO REMOVAL)

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bayer becker
www.bayerbecker.com
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Mason, OH 45040 - 513.336.6600

L/C# 034-0387

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JOB NO. 17-0327

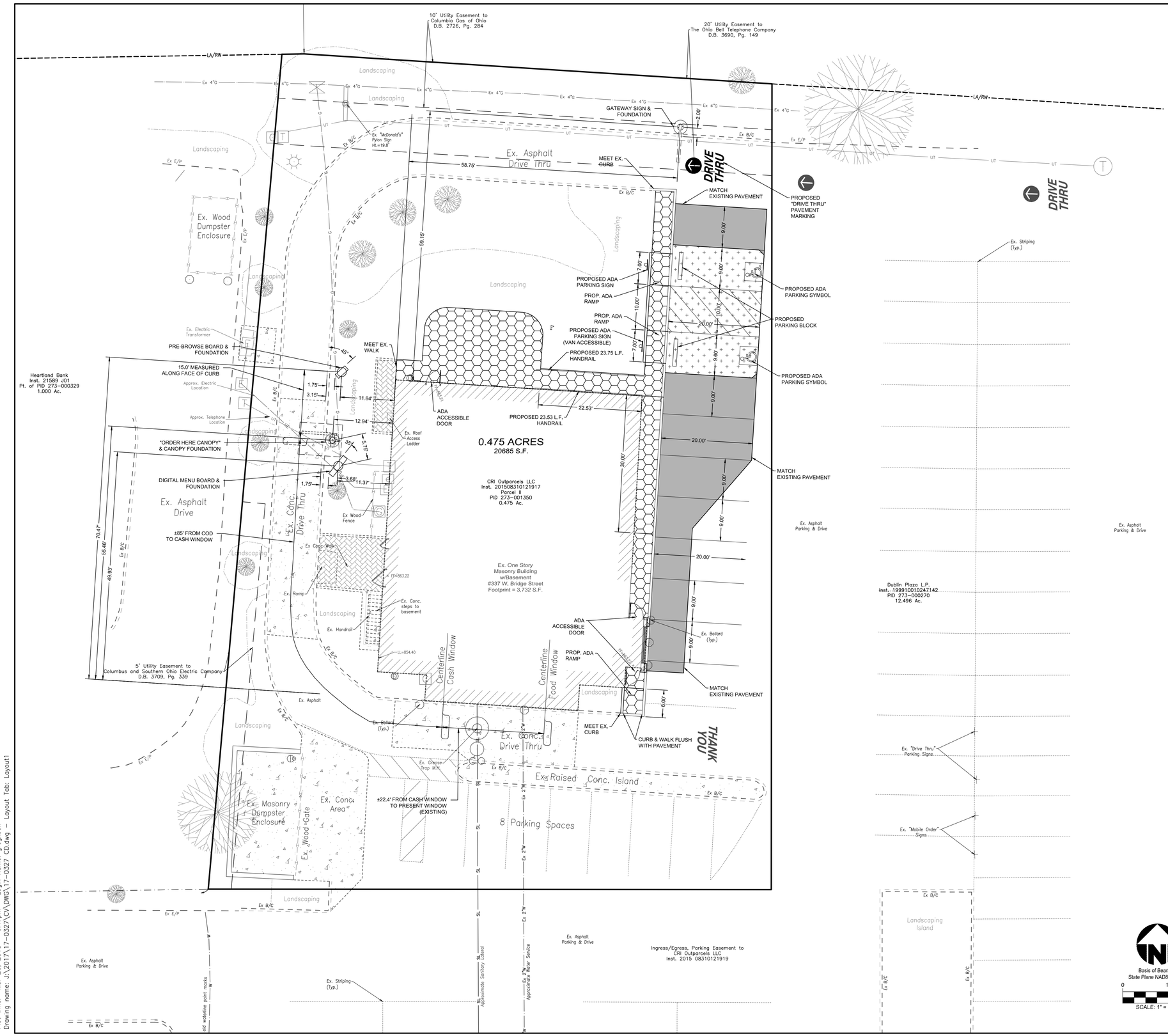
DATE: 03/26/18

SCALE: 1"=10'

DEMOLITION PLAN

SHEET: C2.0

Plot time: Mar 26, 2018 – 6:47pm – Login Name: gregkoch
Drawing name: J:\2017\17-0327\CV\DWG\17-0327 CD.dwg – Layout Tab: Layout1



SITE LAYOUT NOTES

1. ALL DIMENSIONS ARE TO THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
2. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST EDITION OF THE OHIO DEPARTMENT OF TRANSPORTATION (ODOT) "CONSTRUCTION AND MATERIAL SPECIFICATIONS," AND PROJECT SPECIFICATIONS. IN THE EVENT OF A CONFLICT, THE MORE STRINGENT STANDARD APPLIES.
3. WHERE CONNECTING TO EXISTING ASPHALT PAVEMENT, THE CONTRACTOR SHALL SAW CUT THE EXISTING EDGE OF PAVEMENT TO PROVIDE A CLEAN EDGE. ITEM 407 TACK COAT SHALL BE APPLIED TO THE ENTIRE CUT FACE OF THE EXISTING PAVEMENT PRIOR TO THE PLACEMENT OF THE PROPOSED PAVEMENT.
4. WHERE CONNECTING TO EXISTING CONCRETE WALK, THE CONTRACTOR SHALL SAWCUT THE EXISTING WALK (AT AN EXISTING JOINT IF POSSIBLE) TO PROVIDE A SOUND & CLEAN EDGE.
5. ADDITIONAL PAVEMENT/CURB WORK DUE TO EXTENTS OF DEMO OR REWORK SHALL BE INCLUDED AS PART OF THE CONTRACTORS SCOPE OF WORK.
6. SEE SHEET C5.0 FOR ADDITIONAL SITE DETAILS.

SITE PLAN LEGEND

- PROPOSED CONCRETE PAVEMENT
- PROPOSED ASPHALT PAVEMENT
- PROPOSED CONCRETE SIDEWALK
- EXISTING CONCRETE SIDEWALK

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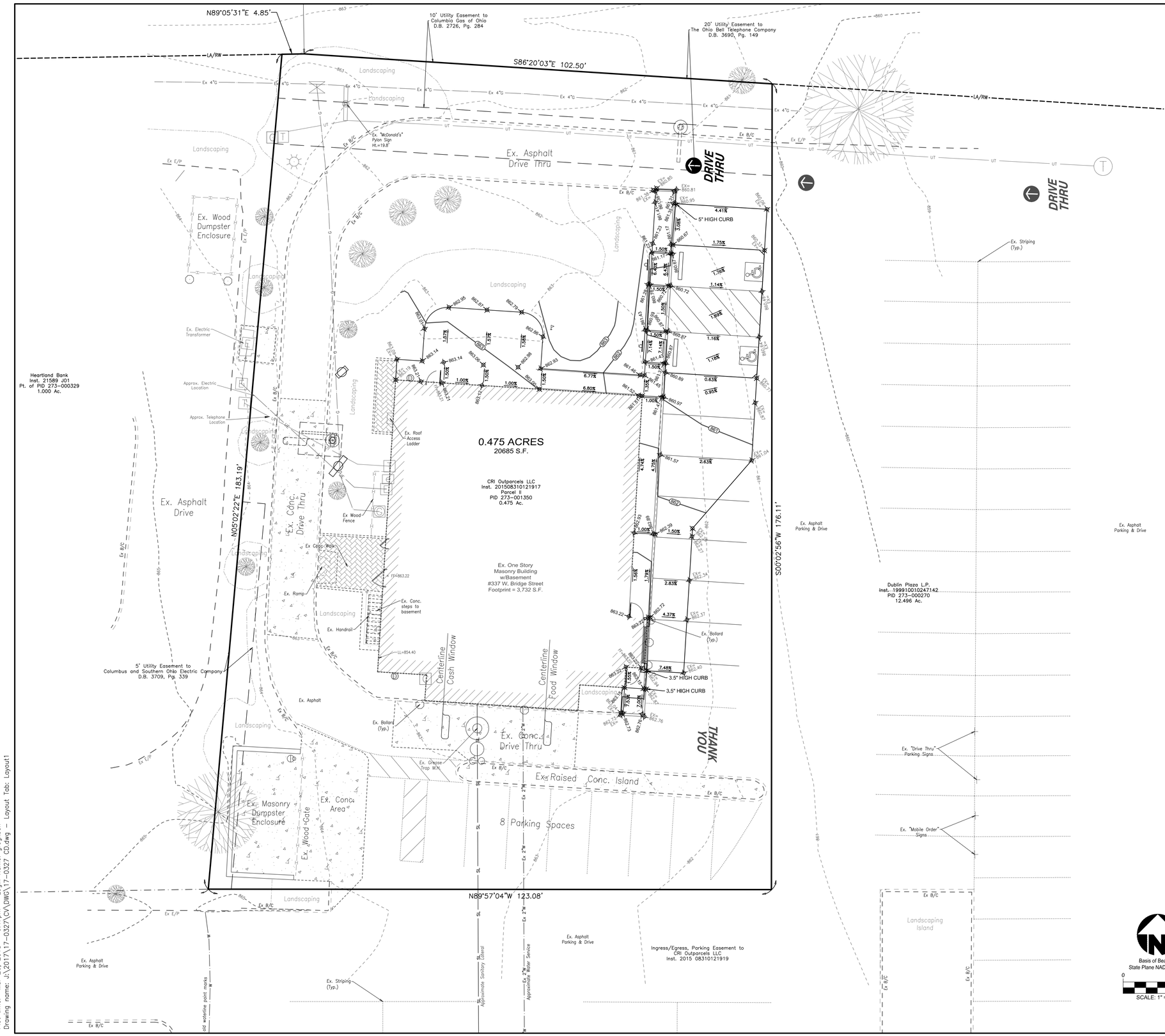
DATE: 03/26/18

SCALE: 1"=10'

SITE PLAN

SHEET: C3.0

Plot time: Mar 26, 2018 - 6:47pm - Login Name: gregkoch
Drawing name: u:\2017\17-0327\CV\DWG\17-0327 CD.dwg - Layout Tab: Layout1



GRADING NOTES

1. LOCATION OF EXISTING UTILITIES TO BE DETERMINED IN THE FIELD PRIOR TO BEGINNING WORK.
2. ALL PROPOSED CONTOURS & SPOT ELEVATIONS ARE INTENDED TO BE FINAL GRADES AND REFLECT PAVEMENT, FINISH FLOOR OR TOP SOIL PLACEMENT UNLESS OTHERWISE SPECIFIED. ALL SPOT ELEVATIONS IN PAVEMENT AREAS ARE TO THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.

GRADING PLAN LEGEND

EX= XXX.XX	EXISTING SPOT GRADE
XXX.XX	PROPOSED SPOT GRADE
———	PROPOSED CONTOURS

Basis of Bearing: State Plane NAD83 (2011)

0 10 15

SCALE: 1" = 10'

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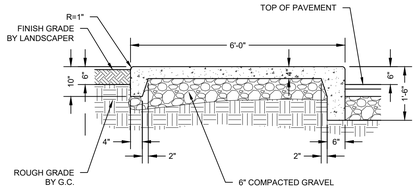
DATE: 03/26/18

SCALE: 1"=10'

GRADING PLAN

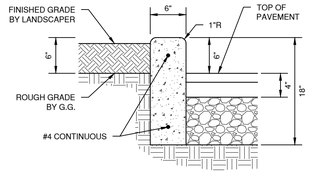
SHEET: C4.0

Plot time: Mar 26, 2018 – 6:47pm – Login Name: gregkoch
Drawing name: J:\2017\17-0327\CV\DWG\17-0327 C0.dwg – Layout Tab: Layout1



CONCRETE WALK & CURB DETAIL

NOT TO SCALE

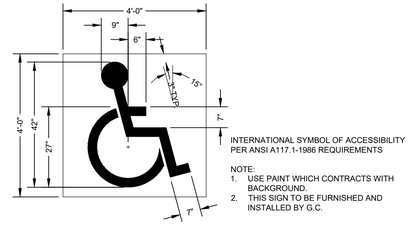


0.28 C.Y. CONC. PER L.F. + REINF.

NOTE: PROVIDE EXPANSION JOINTS @ 20'-0" O.C. (MAX)

6" CONCRETE CURB

NOT TO SCALE

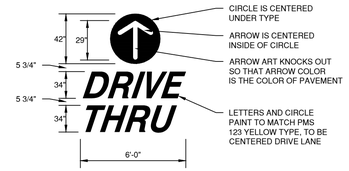


INTERNATIONAL SYMBOL OF ACCESSIBILITY PER ANSI A117.1-1986 REQUIREMENTS

NOTE:
1. USE PAINT WHICH CONTRACTS WITH BACKGROUND.
2. THIS SIGN TO BE FURNISHED AND INSTALLED BY G.C.

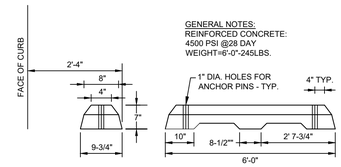
PAINTED ACCESSIBLE PARKING SYMBOL

NOT TO SCALE



DRIVE THRU WITH ARROW

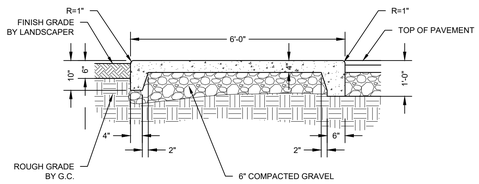
NOT TO SCALE



GENERAL NOTES:
REINFORCED CONCRETE:
4500 PSI @28 DAY
WEIGHT=6'-0"-245LBS.

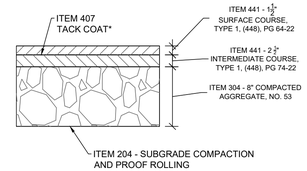
BUMPER BLOCK DETAIL

NOT TO SCALE



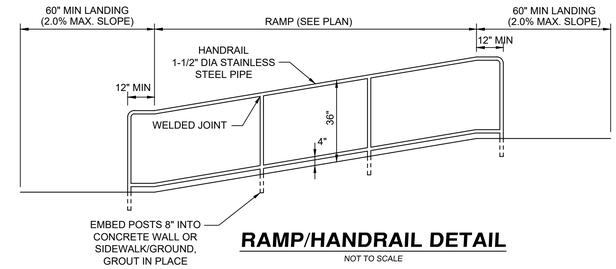
FLUSH WALK & CURB DETAIL

NOT TO SCALE



HEAVY DUTY ASPHALT

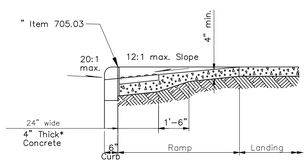
* ITEM 407- TACK COAT TO BE PLACED BETWEEN ASPHALT LAYERS WHEN PAVEMENT HAS BEEN SUBJECTED TO TRAFFIC BEFORE UPPER LAYERS OF ASPHALT ARE PLACED. APPLICATION RATE TO BE A MINIMUM OF 0.100 GAL/SQ YD.



RAMP/HANDRAIL DETAIL

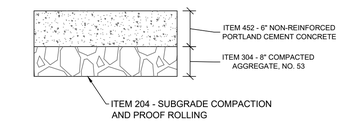
NOT TO SCALE

HANDRAIL NOTES:
1. SPACE INTERMEDIATE POST ASSEMBLIES EVENLY, 4'-0" O.C. MAX.
2. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ALL HANDRAILS.
3. 1-1/2" DIA. A53 GRADE B STEEL PIPE HANDRIAL SET INTO CONCRETE.
4. HANDRAILS SHALL BE SECURED SO AS TO NOT ROTATE WITHIN THEIR FOOTINGS.
5. PREPARE & PAINT METAL RAIL PER SPECIFICATIONS- COLOR: BENJAMIN MOORE "SHADOW GRAY 2125-40" OR EQUAL.

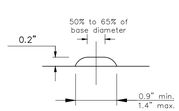


New gutter shown.

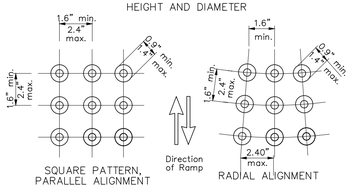
SECTION A–A
NORMAL DETAIL



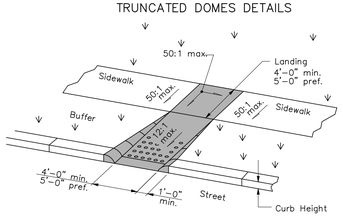
CONCRETE PAVEMENT



HEIGHT AND DIAMETER

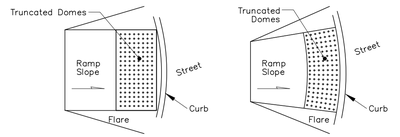


TRUNCATED DOMES DETAILS

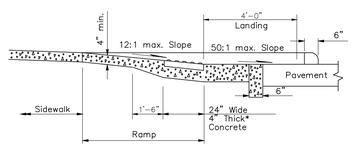


Type A2 (Perpendicular with returned curb)

PERPENDICULAR CURB RAMP DETAILS

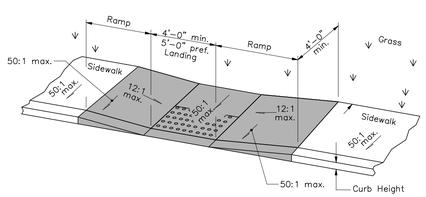


DOME ALIGNMENT ON RADIUSED CURB



SECTION D–D

*Where possible, pour ramp area integral with the curb, otherwise use 6" thick walk.



Type B2 (Double sided Parallel)

PARALLEL CURB RAMP DETAILS

CURB RAMP NOTES

DRAINAGE: Contractor is to ensure the base of each constructed curb ramp allows for proper drainage, without exceeding allowable cross slope or ramp slopes. Vertical change in level exceeding $\frac{1}{8}$" between the 1) pavement and gutter, and 2) gutter and ramp, are not allowed. See C7.0–C7.4 for Intersection Details.

SURFACE TEXTURE: Texture concrete surfaces by coarse brooming transverse to the ramp slopes to be rougher than the adjacent walk.

The edge of the curb shall be flush with the edge of the adjacent pavement and gutter and surface slopes that meet grade breaks shall also be flush.

DETECTABLE WARNINGS NOTES

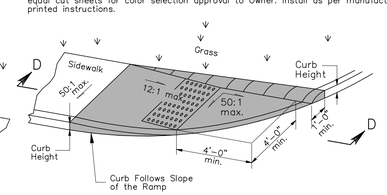
GENERAL: Detectable Warnings are a distinctive surface pattern of truncated domes which are detectable by cane or underfoot to alert people with vision impairments of their approach to streets and hazardous drop–offs.

PLACEMENT: Detectable warnings are to be installed at any location where pedestrians might cross paths with vehicular traffic lanes, such as the base of curb ramps or at blended curbs. A 24" strip of domes is to be installed for the full width of the ramp or walk. See plan locations of curb ramps.

The depth of concrete underneath detectable warning products shall be a minimum of 4". See SECTION A.

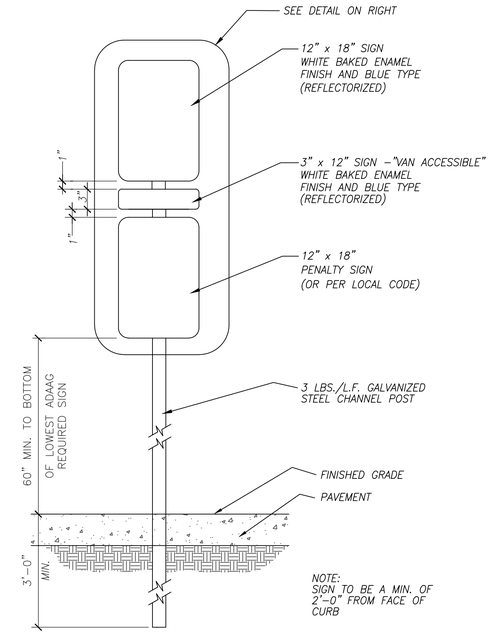
ALIGNMENT: Truncated domes should be aligned with the primary direction of the ramp as shown on the DETECTABLE WARNING ALIGNMENT Detail. Normally the detectable warnings should be flush with the back of the curb, but in skewed conditions at least one corner of the 24" strip should be adjacent to the back of curb. For non–standard layouts, detectable warning materials may have to be mitered and placed segmentally.

PRODUCTS & COLORS: Color of the detectable warnings should contrast with sur–rounding concrete walk and ramp. Black is not an acceptable color. Contractor to submit Armor–Tile Detectable/Tactile Warning Surface Cast In Place Tile or approved equal cut sheets for color selection approval to Owner. Install as per manufacturer's printed instructions.



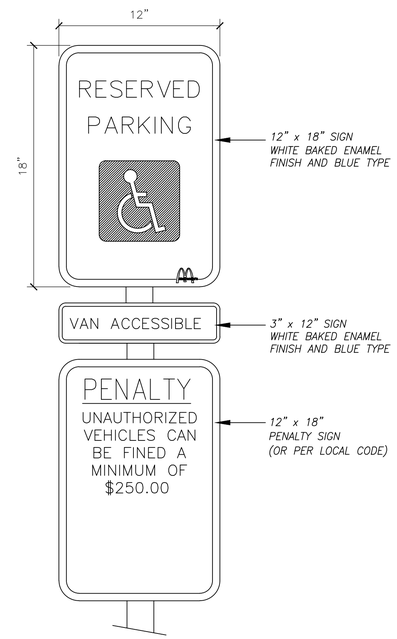
Type B3 (Single sided Parallel)

PARALLEL CURB RAMP DETAILS



ACCESSIBLE PARKING SIGN

NOT TO SCALE



ACCESSIBLE PARKING SIGN DETAIL

NOT TO SCALE

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SCALE: NOT TO SCALE

SITE DETAILS

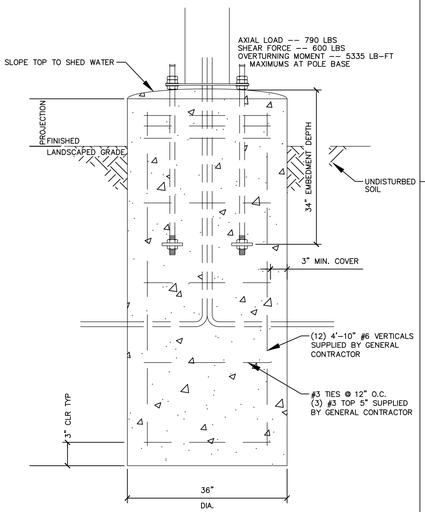
SHEET: C5.0

Plot time: Mar 26, 2018 – 6:52pm – Login Name: gregkoch
Drawing name: J:\2017\17-0327\CV\DWG\17-0327 CD.dwg – Layout Tab: Layout1

NOTE:

-DESIGN CODES
IBC 2009
ASCE 7-05
ACI 318-08
AISC 13TH EDITION
AWS D1.1
WIND SPEED -- 100 MPH, 3 SEC GUST
-EXPOSURE C

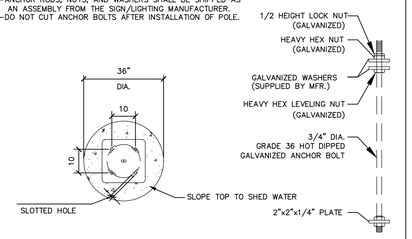
-USE 3000 PSI CONCRETE COMPRESSIVE STRENGTH (fc)
-PIER DEPTHS REQUIRED ARE MINIMUMS. ALL PIERS TO EXTEND TO FROST DEPTH AS DETERMINED BY LOCAL JURISDICTION.
-TOP OF PIERS SHALL BE SLOPED SUCH THAT MOISTURE CANNOT ACCUMULATE.
-ELECTRICAL CONTRACTOR TO PROVIDE INFORMATION ON CONDUIT AND ELECTRICAL REQUIREMENTS.
-MINIMUM ALLOWABLE LATERAL SOIL BEARING PRESSURE 100 PSF/FT OF DEPTH x2.
-TOP 6" OF SOIL NEGLECTED IN EMBEDMENT DEPTH CALCULATIONS (EMBEDMENT DEPTHS SHOWN ARE FROM GRADE)
-PROVIDE A MINIMUM OF 3" MIN. CONCRETE COVER FOR ALL EMBEDDED STEEL.
-ALL REINFORCING STEEL BY GENERAL CONTRACTOR.



A CLEARANCE GATEWAY
100 MPH
NTS

NOTES:

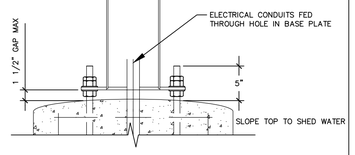
-TOP OF PIERS SHALL BE SLOPED SUCH THAT MOISTURE CANNOT ACCUMULATE.
-USE F1554 GRADE 36 BOLTS MINIMUM.
-HOT DIPPED GALVANIZED BOLTS.
-F1554 GRADE 36 ANCHOR BOLTS.
-ANCHOR BOLTS TO BE SET IN ACCORDANCE WITH AISC CODE OF STANDARD PRACTICE.
-ANCHOR RODS, NUTS, AND WASHERS SHALL BE SHIPPED AS AN ASSEMBLY FROM THE SIGN/LIGHTING MANUFACTURER.
-DO NOT CUT ANCHOR BOLTS AFTER INSTALLATION OF POLE.



B ANCHOR BOLT PATTERN
NTS

NOTES:

-TOP OF PIERS SHALL BE SLOPED SUCH THAT MOISTURE CANNOT ACCUMULATE.
-ANCHOR RODS, NUTS, AND WASHERS SHALL BE SHIPPED AS AN ASSEMBLY FROM THE SIGN/LIGHTING MANUFACTURER.
-DO NOT CUT ANCHOR BOLTS AFTER INSTALLATION OF POLE.



C CONNECTION DETAILS
NTS

GENERAL NOTES

-THE FOLLOWING CODES WERE USED IN DESIGN:
-IBC 2009
-ASCE 7-05
-ACI 318-08
-AISC 13th EDITION
-AWS D1.1
-WIND SPEED 100 MPH, 3 SEC GUST
-EXPOSURE C
-DESIGN LOADS DERIVED FROM THESE CODES AND FORCES
-AXIAL - 790 LBS
-SHEAR - 600 LBS
-MOMENT - 5335 LB-FT

-ALL FOOTING EXCAVATIONS ARE TO BE CLEAR OF WATER AND FOREIGN MATTER BEFORE PLACING CONCRETE
-MINIMUM ALLOWABLE LATERAL SOIL BEARING PRESSURE OF 100PSF/FT (x2)
-SITE SOIL CONDITIONS TO BE CONFIRMED BY GEOTECHNICAL ENGINEER. IF ASSUMED SOIL CONDITIONS ARE NOT PRESENT, FOUNDATION SHALL BE DESIGNED BY A LICENSED STRUCTURAL ENGINEER TAKING INTO ACCOUNT ACTUAL SITE SOIL CONDITIONS.
-TOP 6" OF SOIL NEGLECTED IN EMBEDMENT DEPTH CALCULATIONS (EMBEDMENT DEPTHS SHOWN ARE FROM GRADE)

-ELECTRICAL CONTRACTOR TO PROVIDE INFORMATION ON CONDUIT AND ELECTRICAL REQUIREMENTS.

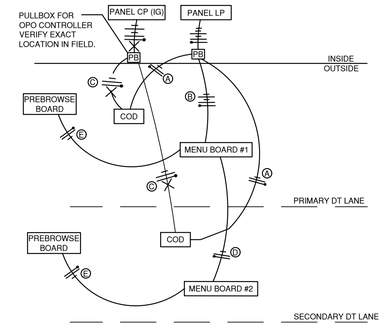
CONCRETE:

-ALL FOOTINGS SHALL BEAR ON FIRM UNDISTURBED RESIDUAL SOIL AND/OR ENGINEERED EARTH FILL COMPACTED TO 98% OF ITS MAXIMUM DRY DENSITY AS PER ASTM D 698-70 (STANDARD PROCTOR) UNLESS NOTED OTHERWISE.
-ALL PIERS TO EXTEND TO FROST DEPTH AS DETERMINED BY LOCAL JURISDICTION.
-TOP OF PIERS SHALL BE SLOPED SUCH THAT MOISTURE CANNOT ACCUMULATE.
-MINIMUM CONCRETE STRENGTH (fc) SHOULD CONFORM WITH MCDONALDS CAST-IN-PLACE CONCRETE SPECIFICATIONS SECTION 2.13-A
-USE OF ADMIXTURES SHALL CONFORM TO MCDONALDS CAST-IN-PLACE CONCRETE SPECIFICATION SECTION 2.6
-AIR ENTRAINMENT SHALL CONFORM WITH MCDONALDS CAST-IN-PLACE CONCRETE SPECIFICATION SECTIONS 2.6-A & 2.13-A
-WATER CONTENT RATIO SHALL CONFORM TO MCDONALDS CAST-IN-PLACE CONCRETE SPECIFICATIONS SECTION 2.13-A
-FOUNDATION CONCRETE TO BE TESTED PER MCDONALDS CAST-IN-PLACE CONCRETE SPECIFICATIONS SECTION 3.14
-PROVIDE A MINIMUM 3" OF CONCRETE COVER OVER ALL EMBEDDED STEEL.
-REINFORCEMENT PLACEMENT SHALL CONFORM TO MCDONALDS CAST-IN-PLACE CONCRETE SPECIFICATIONS SECTIONS 3.2 & 3.5.
-ANCHOR BOLTS TO BE SET IN ACCORDANCE WITH AISC CODE OF STANDARD PRACTICE
-DO NOT PLACE POLES ON CONCRETE UNTIL CONCRETE HAS CURED PER MCDONALDS CAST-IN-PLACE CONCRETE SPECIFICATION, SECTION 3.11-E.

STEEL:

-STEEL PIPE SECTION: ASTM A53 OR A252 TYPE E GRADE B (Fy = 35ksi)
-HSS ROUND SECTION: ASTM A500 GRADE B (Fy = 42ksi)
-HSS SQUARE/RECTANGULAR SECTIONS: ASTM A500 GRADE B (Fy = 46ksi)
-CONNECTION BOLTS A325
-STEEL ANGLES, CHANNELS, STRUCTURAL SHAPES AND PLATES: ASTM A36
-REINFORCEMENT: GRADE 60
-NUTS: A563DH OR A194-2H
-WASHERS: A36
-USE HOT DIPPED GALVANIZED BOLTS AND FASTENERS
-ANCHOR RODS, NUTS, AND WASHERS SHALL BE SHIPPED AS AN ASSEMBLY FROM THE SIGN/LIGHTING MANUFACTURER
-NO FIELD HEATING TO BEND STEEL SHALL BE ALLOWED WITHOUT ENGINEER'S APPROVAL
-DO NOT CUT ANCHOR BOLTS AFTER INSTALLATION OF POLE
-AFTER INSTALLATION, ALL EXPOSED STEEL SHALL BE PAINTED WITH AN ENAMEL PAINT TO INHIBIT CORROSION.
-ANY FIELD WELDING SHALL FIRST BE VERIFIED BY ENGINEER AND PERFORMED IN ACCORDANCE WITH AWS D1.1.

-REFER TO SIGN MANUFACTURER DRAWINGS AND INSTRUCTIONS FOR ADDITIONAL INFORMATION.
-CONTRACTOR (INSTALLER) IS RESPONSIBLE FOR THE MEANS AND METHODS OF CONSTRUCTION IN REGARDS TO JOBSITE SAFETY.
-DETAILS AND STRUCTURAL MEMBERS NOT SHOWN DESIGNED BY OTHERS
-ANY MODIFICATIONS ARE TO BE VERIFIED BY AN ENGINEER



(A) 2#12 & 1#12 GND. TO LP-1 FOR COD CANOPY LIGHTING.

(B) 4#12 & 1#12 GND. & 1#12 ISOLATED GND., TO CP FOR ISOLATED GROUND POWER TO MENUBOARDS AND MEDIA PLAYERS.

(C) 2#12 & 1#12 GND. & 1#12 ISOLATED GND., TO CP FOR ISOLATED GROUND POWER TO COD'S. EACH COD SHALL BE ON ITS OWN SEPARATE CIRCUIT.

(D) 2#12 & 1#12 GND. & 1#12 ISOLATED GND., TO CP FOR ISOLATED GROUND POWER TO MENUBOARDS AND MEDIA PLAYERS.

(E) 2#12 & 1#12 GND. & 1#12 ISOLATED GND., TO CP FOR ISOLATED GROUND POWER TO FOR PRESELL BOARDS AND MEDIA PLAYER.

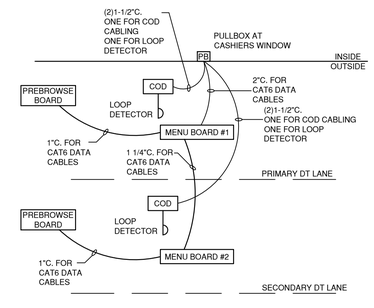
NOTE:
* VERIFY EXACT CIRCUITS & QUANTITIES OF CIRCUITS WITH PANEL SCHEDULES AND MANUFACTURERS INSTALLATION INSTRUCTIONS.

FOR EXISTING LOCATIONS:
* VERIFY EXISTING CP PANEL HAS AMPACITY AND SUFFICIENT SPARES/SPACE FOR (2) NEW 20A/1P CIRCUITS. UPGRADE CP PANEL TO 42 CIRCUITS IF NECESSARY.

* VERIFY EXISTING PULLBOXES ARE SIZED FOR NEW CONDUIT ROUTING. MODIFY PULLBOXES IF NECESSARY.

DRIVE THRU POWER DIAGRAM

NOT TO SCALE



DRIVE THRU LOW VOLTAGE CONDUIT DIAGRAM

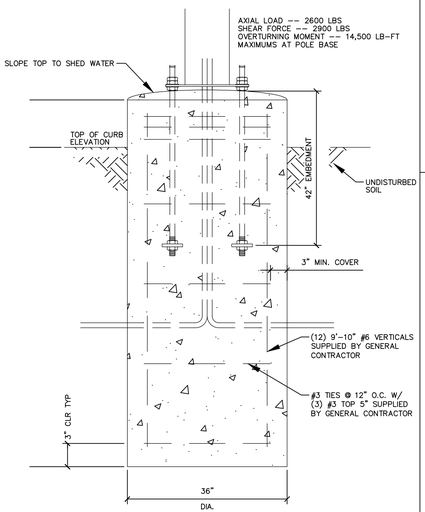
NOT TO SCALE

ELECTRICAL NOTES

1. ELECTRICAL CIRCUITS SHOWN ARE EXISTING AND TO BE REUSED FOR THE NEW SIGNS.
2. ALL NEW SIGNS ARE EQUIPPED WITH AN INTEGRAL DISCONNECT.
3. CONDUIT BURIAL DEPTH 18" TO 24", OR PER LOCAL ELECTRICAL CODE

NOTES:

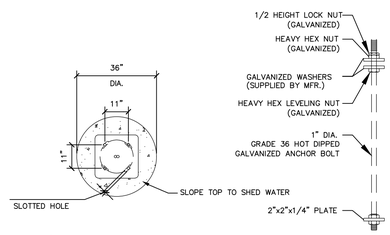
-DESIGN CODES
IBC 2009
ASCE 7-05
ACI 318-08
AISC 13TH EDITION
AWS D1.1
-WIND SPEED -- 100 MPH (MPH 3-SEC GUST)
-EXPOSURE C
-USE 3000 PSI CONCRETE COMPRESSIVE STRENGTH (f'c)
-PIER DEPTHS REQUIRED ARE MINIMUMS. ALL PIERS TO EXTEND TO FROST DEPTH AS DETERMINED BY LOCAL JURISDICTION.
-TOP OF PIERS SHALL BE SLOPED SUCH THAT MOISTURE CANNOT ACCUMULATE.
-ELECTRICAL CONTRACTOR TO PROVIDE INFORMATION ON CONDUIT AND ELECTRICAL REQUIREMENTS.
-MINIMUM ALLOWABLE LATERAL SOIL BEARING PRESSURE 100 PSF/FT OF DEPTH x2.
-TOP 6" OF SOIL NEGLECTED IN EMBEDMENT DEPTH CALCULATIONS (EMBEDMENT DEPTHS SHOWN ARE FROM GRADE)
-3" MIN. CONCRETE COVER FOR REINFORCEMENT.
-DESIGN LOADS DERIVED FROM THESE CODES AND FORCES
-FOUNDATION IS DESIGNED FOR SINGLE OR DOUBLE POLE COLUMNS
-ALL REINFORCING STEEL BY GENERAL CONTRACTOR



A ORDER HERE CANOPY
100 MPH
NTS

NOTES:

-TOP OF PIERS SHALL BE SLOPED SUCH THAT MOISTURE CANNOT ACCUMULATE.
-HOT DIPPED GALVANIZED BOLTS
-F1554 GRADE 36 ANCHOR BOLTS MINIMUM
-ANCHOR BOLTS TO BE SET IN ACCORDANCE WITH AISC CODE OF STANDARD PRACTICE
-ANCHOR RODS, NUTS, AND WASHERS SHALL BE SHIPPED AS AN ASSEMBLY FROM THE SIGN/LIGHTING MANUFACTURER
-DO NOT CUT ANCHOR BOLTS AFTER INSTALLATION OF POLE



B ANCHOR BOLT PATTERN
NTS

NOTES:

-TOP OF PIERS SHALL BE SLOPED SUCH THAT MOISTURE CANNOT ACCUMULATE
-ANCHOR RODS, NUTS, AND WASHERS SHALL BE SHIPPED AS AN ASSEMBLY FROM THE SIGN/LIGHTING MANUFACTURER
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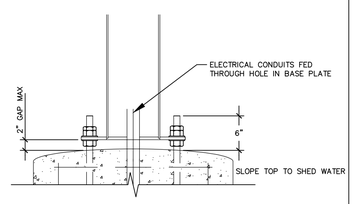

C CONNECTION DETAILS
NTS

GENERAL NOTES

-THE FOLLOWING CODES WERE USED IN DESIGN:
-IBC 2009
-ASCE 7-05
-ACI 318-08
-AISC 13th EDITION
-AWS D1.1
-WIND SPEED 100 MPH, 3 SEC GUST
-EXPOSURE C
-DESIGN LOADS DERIVED FROM THESE CODES AND FORCES
-AXIAL - 2600 LBS
-SHEAR - 2900 LBS
-MOMENT - 14,500 LB-FT

-ALL FOOTING EXCAVATIONS ARE TO BE CLEAR OF WATER AND FOREIGN MATTER BEFORE PLACING CONCRETE
-MINIMUM ALLOWABLE LATERAL SOIL BEARING PRESSURE OF 100PSF/FT (x2)
-SITE SOIL CONDITIONS TO BE CONFIRMED BY GEOTECHNICAL ENGINEER. IF ASSUMED SOIL CONDITIONS ARE NOT PRESENT, FOUNDATION SHALL BE DESIGNED BY A LICENSED STRUCTURAL ENGINEER TAKING INTO ACCOUNT ACTUAL SITE SOIL CONDITIONS.
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CONCRETE:

-ALL FOOTINGS SHALL BEAR ON FIRM UNDISTURBED RESIDUAL SOIL AND/OR ENGINEERED EARTH FILL COMPACTED TO 98% OF ITS MAXIMUM DRY DENSITY AS PER ASTM D 698-70 (STANDARD PROCTOR) UNLESS NOTED OTHERWISE.
-ALL PIERS TO EXTEND TO FROST DEPTH AS DETERMINED BY LOCAL JURISDICTION.
-TOP OF PIERS SHALL BE SLOPED SUCH THAT MOISTURE CANNOT ACCUMULATE.
-MINIMUM CONCRETE STRENGTH (f'c=3,000 PSI) SHALL CONFORM WITH MCDONALDS CAST-IN-PLACE CONCRETE SPECIFICATIONS SECTION 2.13-A
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STEEL:

-STEEL PIPE SECTION: ASTM A53 OR A252 TYPE E GRADE B (Fy = 35ksi)
-HSS ROUND SECTION: ASTM A500 GRADE B (Fy = 42ksi)
-HSS SQUARE/RECTANGULAR SECTIONS: ASTM A500 GRADE B (Fy = 46ksi)
-CONNECTION BOLTS A325
-STEEL ANGLES, CHANNELS, STRUCTURAL SHAPES AND PLATES: ASTM A36
-REINFORCEMENT: GRADE 60 - BY GENERAL CONTRACTOR
-NUTS: A563DH OR A194-2H
-WASHERS: A36
-USE HOT DIPPED GALVANIZED BOLTS AND FASTENERS
-ANCHOR RODS, NUTS, AND WASHERS SHALL BE SHIPPED AS AN ASSEMBLY FROM THE SIGN/LIGHTING MANUFACTURER
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-DO NOT CUT ANCHOR BOLTS AFTER INSTALLATION OF POLE
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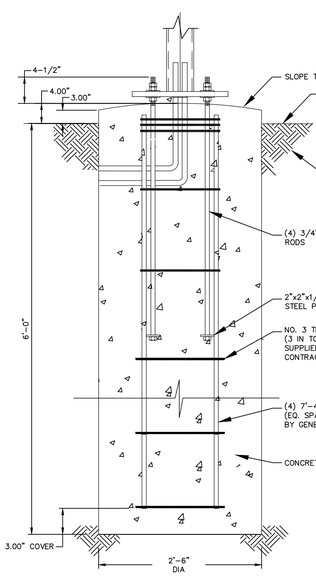
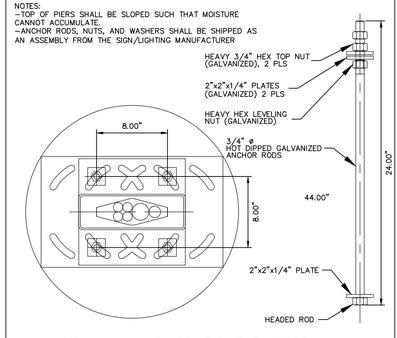
-ALL REINFORCING STEEL BY GENERAL CONTRACTOR



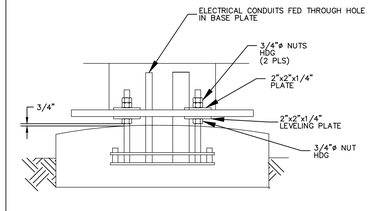
A DIGITAL MENU BOARD AND DIGITAL PRE-BROWSE BOARD
90 MPH
NTS

NOTES:
-TOP OF PIERS SHALL BE SLOPED SUCH THAT MOISTURE CANNOT ACCUMULATE.
-ANCHOR RODS, NUTS, AND WASHERS SHALL BE SHIPPED AS AN ASSEMBLY FROM THE SIGN/LIGHTING MANUFACTURER



B ANCHOR BOLT PATTERN
NTS

NOTES:
-TOP OF PIERS SHALL BE SLOPED SUCH THAT MOISTURE CANNOT ACCUMULATE.
-ANCHOR RODS, NUTS, AND WASHERS SHALL BE SHIPPED AS AN ASSEMBLY FROM THE SIGN/LIGHTING MANUFACTURER
-DO NOT CUT ANCHOR BOLTS AFTER INSTALLATION OF POLE



C CONNECTION DETAILS
NTS

GENERAL NOTES

-THE FOLLOWING CODES WERE USED IN DESIGN:
-IBC 2009
-ASCE 7-05
-ACI 318-08
-AISC 13th EDITION
-AWS D1.1
-WIND SPEED 90 MPH (MPH 3-SEC GUST)
-EXPOSURE C
-DESIGN LOADS DERIVED FROM THESE CODES AND FORCES
-AXIAL - 850#
-SHEAR - 1,310#
-MOMENT - 7,294#

-ALL FOOTING EXCAVATIONS ARE TO BE CLEAR OF WATER AND FOREIGN MATTER BEFORE PLACING CONCRETE
-MINIMUM ALLOWABLE LATERAL SOIL BEARING PRESSURE OF 100PSF/FT (x2)
-SITE SOIL CONDITIONS TO BE CONFIRMED BY GEOTECHNICAL ENGINEER. IF ASSUMED SOIL CONDITIONS ARE NOT PRESENT, FOUNDATION SHALL BE DESIGNED BY A LICENSED STRUCTURAL ENGINEER TAKING INTO ACCOUNT ACTUAL SITE SOIL CONDITIONS.
-TOP 6" OF SOIL NEGLECTED IN EMBEDMENT DEPTH CALCULATIONS (EMBEDMENT DEPTHS SHOWN ARE FROM GRADE)

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STEEL:

-STEEL PIPE SECTION: ASTM A53 OR A252 TYPE E GRADE B (Fy=35ksi)
-HSS ROUND SECTION: ASTM A500 GRADE B (Fy=42ksi)
-HSS SQUARE/RECTANGULAR SECTIONS: ASTM A500 GRADE B (Fy=46ksi)
-HEADED ANCHOR RODS ASTM F1554 GR 55, AN ACCEPTABLE ALTERNATIVE IS ASTM F1554 GR 55, S1 WHEN THE EMBEDDED END OF THE ROD IS THREADED AND THE NUT TACK WELDED PRIOR TO GALVANIZATION.
-STEEL ANGLES, CHANNELS, STRUCTURAL SHAPES AND PLATES: ASTM A36
-REINFORCEMENT: ASTM A615 GRADE 60 - BY GENERAL CONTRACTOR
-NUTS: ASTM A563A, HEAVY HEX
-WASHERS: ASTM F844 A36
-USE ASTM A153 CLASS C HOT DIPPED GALVANIZED BOLTS AND FASTENERS
-ANCHOR RODS, NUTS, AND WASHERS SHALL BE SHIPPED AS AN ASSEMBLY FROM THE SIGN/LIGHTING MANUFACTURER
-NO FIELD HEATING TO BEND STEEL SHALL BE ALLOWED WITHOUT ENGINEER'S APPROVAL
-DO NOT CUT ANCHOR BOLTS AFTER INSTALLATION OF POLE
-AFTER INSTALLATION, ALL EXPOSED STEEL SHALL BE PAINTED WITH AN ENAMEL PAINT TO INHIBIT CORROSION.
-ANY FIELD WELDING SHALL FIRST BE VERIFIED BY ENGINEER AND PERFORMED IN ACCORDANCE WITH AWS D1.1.
-REFER TO SIGN MANUFACTURER DRAWINGS AND INSTRUCTIONS FOR ADDITIONAL INFORMATION.
-CONTRACTOR (INSTALLER) IS RESPONSIBLE FOR THE MEANS AND METHODS OF CONSTRUCTION IN REGARDS TO JOBSITE SAFETY.
-DETAILS AND STRUCTURAL MEMBERS NOT SHOWN DESIGNED BY OTHERS
-ANY MODIFICATIONS ARE TO BE VERIFIED BY AN ENGINEER

REV	DATE	DESCRIPTION	BY

STATE OF OHIO
GREGORY J. KOCH
E-89324
REGISTERED
PROFESSIONAL ENGINEER
3/26/18

bayer becker
www.bayerbecker.com
6900 Tylersville Road, Suite A
Mason, OH 45040 - 513.336.6600

L/C# 034-0387

McDonald's®
THESE PLANS AND SPECIFICATIONS ARE THE PROPERTY OF MCDONALD'S CORPORATION AND SHALL NOT BE REPRODUCED WITHOUT THEIR WRITTEN PERMISSION.

EXISTING MCDONALD'S RESTAURANT AT:
337 WEST BRIDGE STREET, CITY OF DUBLIN
WASHINGTON TOWNSHIP, FRANKLIN COUNTY, OHIO

JOB NO. 17-0327

DATE: 03/26/18

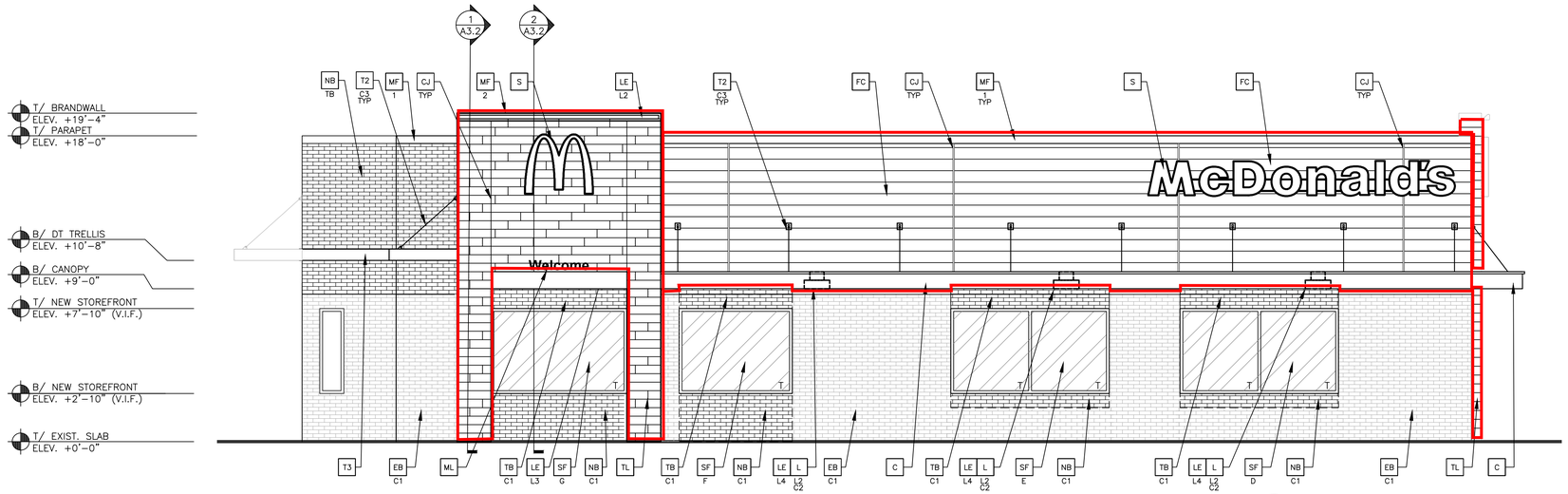
SCALE: NOT TO SCALE

SITE DETAILS

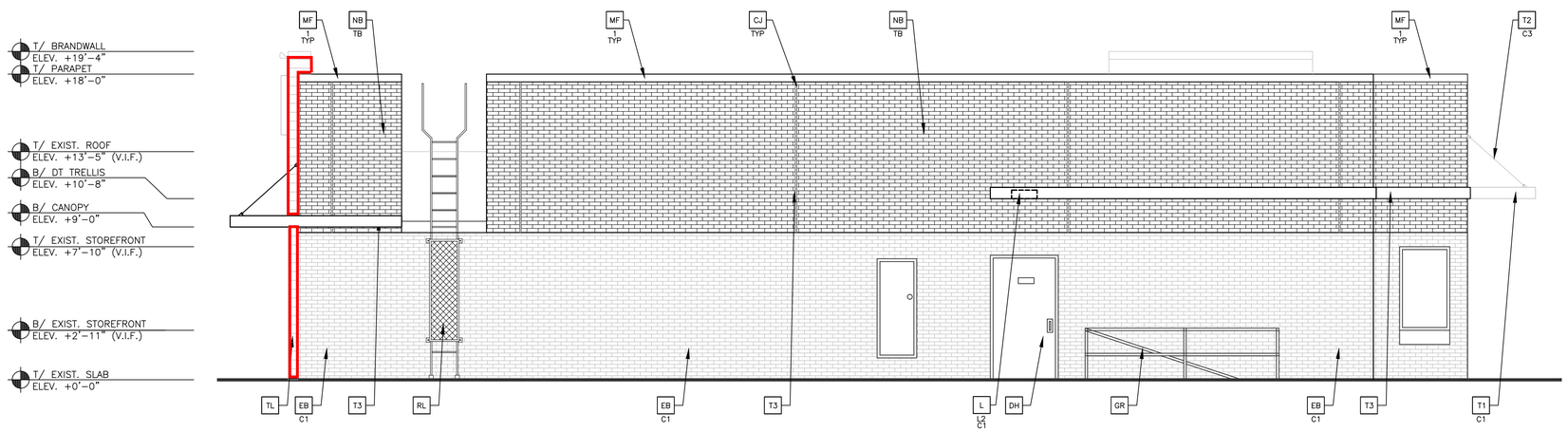
SHEET: C5.1

Plot time: Mar 26, 2018 - 6:48pm - Login Name: gregkoch
Drawing name: J:\2017\17-0327\CV\DWG\17-0327 CD.dwg - Layout Tab: Layout1

TOTAL BLDG EXTERIOR AREA: (Excluding Glazing + Doors)	4089 SF	
BRICK (Primary):	3180 SF	78%
FIBER CEMENT (Secondary):	540 SF	13%
TILE (Requires Variance):	369 SF	9%



1 A2.1 FRONT ELEVATION 1/4" = 1'-0"



2 A2.1 REAR ELEVATION 1/4" = 1'-0"

– NEW GLAZING

SHOP DRAWINGS
SHOP DRAWING SUBMITTALS SHALL CONSIST OF A MINIMUM OF 2 COPIES OF EACH DRAWING.

SHOP DRAWINGS SHALL BE REVIEWED BY CONTRACTOR TO VERIFY THAT SUBMITTAL IS COMPLETE PRIOR TO SUBMITTING TO ARCHITECT.

DRAWINGS CREATED BY THE ARCHITECT OF RECORD CANNOT BE REPRODUCED AND/OR USED AS A SHOP DRAWING SUBMITTAL.

SHOP DRAWING SUBMITTALS SHALL INCLUDE THE FOLLOWING:
1. STOREFRONT GLAZING SYSTEM
2. TRELLIS/CANOPY SYSTEM

NOTE

G.C.TO CONFIRM COLOR SCHEME WITH PROJECT MANAGER AND LEGAL SUBMISSION COLOR RENDERINGS PRIOR TO CONSTRUCTION. SEE CV SHEET FOR CONTACT INFO.

COLOR SCHEME: 'MODERN SCHEME'

(SEE ELEVATION KEYNOTES FOR MATERIALS AND COLOR SPECIFICATIONS)

KEYNOTES (NOT ALL KEY NOTES MAY BE USED)

- **C** — ALUMINUM CANOPY FASCIA SYSTEM (COLOR: WHITE)
- **CJ** — CONTROL JOINT
- **DA** — ALUMINUM DOOR – REFER TO DOOR SCHEDULE FOR DETAILS
- **DE** — EXISTING ALUMINUM DOOR
- **DH** — EXISTING HOLLOW METAL DOOR – PAINT TO MATCH COLOR OF SURROUNDING MATERIAL
- **EB** — EXISTING BRICK VENEER TO BE PAINTED
  - XX – COLOR:
    - C1 = CHELSEA GRAY HC–168 BY BENJAMIN MOORE
    - C2 = IRON MOUNTAIN 2134–30 BY BENJAMIN MOORE
- **EJ** — EXPANSION JOINT AT BRICK – FILLED WITH ELASTOMERIC SEALANT
- **GR** — EXISTING GUARDRAIL TO REMAIN; PAINT TO MATCH BUILDING BEYOND
- **L** — LIGHT FIXTURE – SEE ELECTRICAL
  - L1 – TYPE:
    - L1 = UP AND DOWN SCONCE
    - L2 = DOWN ONLY SCONCE
    - L3 = RECESSED DOWN FIXTURE
    - COLOR:
    - C1 = SILVER
    - C2 = WHITE
- **LE** — ACCENT LIGHTING – SEE ELECTRICAL
  - L1 – LED LIGHT:
    - L1 = UP AND DOWN FIXTURE
    - L2 = DOWN ONLY FIXTURE
    - L3 = INTEGRAL CANOPY FIXTURE
    - L4 = FLOOD LIGHT
- **MF** — METAL FASCIA – COLOR TO MATCH CORRUGATED METAL. SEE COLOR LEGEND FOR DETAILS
  - TYPE:
    - 1 = PRE–FAB ANCHOR–TITE FASCIA
    - 2 = PRE–FAB CUSTOM ARCADE FASCIA
- **ML** — METAL LETTERING – BY OTHERS
- **NB** — NEW BRICK VENEER – CONSTRUCTION TO MATCH EXISTING
  - XX – COLOR:
    - C1 = CHELSEA GRAY HC–168 BY BENJAMIN MOORE
    - C2 = IRON MOUNTAIN 2134–30 BY BENJAMIN MOORE
- **RL** — EXISTING ROOF LADDER
- **S** — McDONALD'S SIGNAGE
  - TYPE:
  - 1 – 1 THRU 6 – SEE SIGNAGE PACKAGE
- **SF** — STOREFRONT AND GLAZING
  - A – WINDOW TYPE
- **ST** — STUCCO EXTERIOR FINISH
  - XX – COLOR:
    - C1 = CHELSEA GRAY HC–168 BY BENJAMIN MOORE
    - C2 = IRON MOUNTAIN 2134–30 BY BENJAMIN MOORE
- **T** — TEMPERED GLASS
- **T1** — ALUMINUM TRELLIS SYSTEM
  - XX – COLOR:
    - C1 = CITYSCAPE
    - C2 = WHITE
    - C3 = CHARCOAL
    - C4 = GOLD
- **TB** — 1/2" THIN BRICK
  - XX – COLOR:
    - C1 = FAIRVIEW TAUPE HC–85 BY BENJAMIN MOORE
    - C2 = IRON MOUNTAIN 2134–30 BY BENJAMIN MOORE
- **T2** — ALUMINUM TRELLIS TIE–BACK SYSTEM
  - XX – COLOR:
    - C1 = CITYSCAPE
    - C2 = WHITE
    - C3 = CHARCOAL
- **T3** — ALUMINUM TRELLIS 2" x 8" WALL FASCIA SYSTEM COLOR: CITYSCAPE
- **W2** — DRIVE–THRU WINDOW; SEE A5.1 FOR WINDOW TYPE & SPECIFICATION.
  - XX – SLIDE DIRECTION: RL = RIGHT TO LEFT; LR = LEFT TO RIGHT

NOTES
1. STUCCO AND EIFS CONTROL JOINTS INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.

- **NB** — NEW THIN BRICK VENEER COLOR TO MATCH EXISTING
  - FB = FULL BRICK
  - TB = THIN BRICK
- **TL** — TILE
  - EUROWEST: E–WOOD COLLECTION
  - COLOR: R9 BLACK SIZE: 6"X36" 1/4 RUNNING BOND
  - WATERPROOFING SETTING MATERIAL AND GROUT: BY MAPEI
  - GROUT COLOR: ULTRA COLOR PLUS – 47 CHARCOAL
  - GROUT WIDTH: 1/8" TO 3/16"
  - CONTACT: JAN DETER, (714) 937–7500
- **FC** — FIBER CEMENT SIDING
  - NICHIHA VINTAGEWOOD COLLECTION
  - COLOR: CEDAR

REV	DATE	DESCRIPTION	BY
–	–	–	–

PREPARED BY:
CORE STATES GROUP
201 S. Maple Ave, Ste 300
Ambler, PA 19002
215.909.2125
Core-eng.com

PREPARED FOR:
McDonald's USA, LLC

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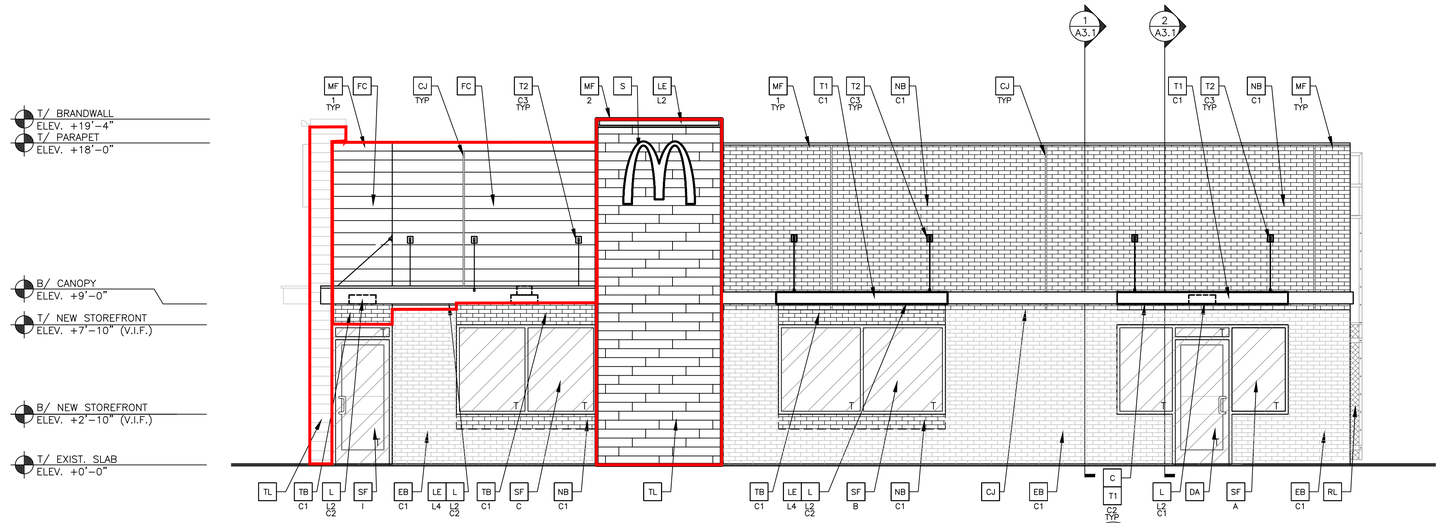
DRAWN BY: L.CONTES
STD ISSUE DATE: FEB 2018
REVIEWED BY: A.KERR–GRANT
DATE ISSUED: 03/20/18
C.S.G. PROJECT #: MCD.240Z4

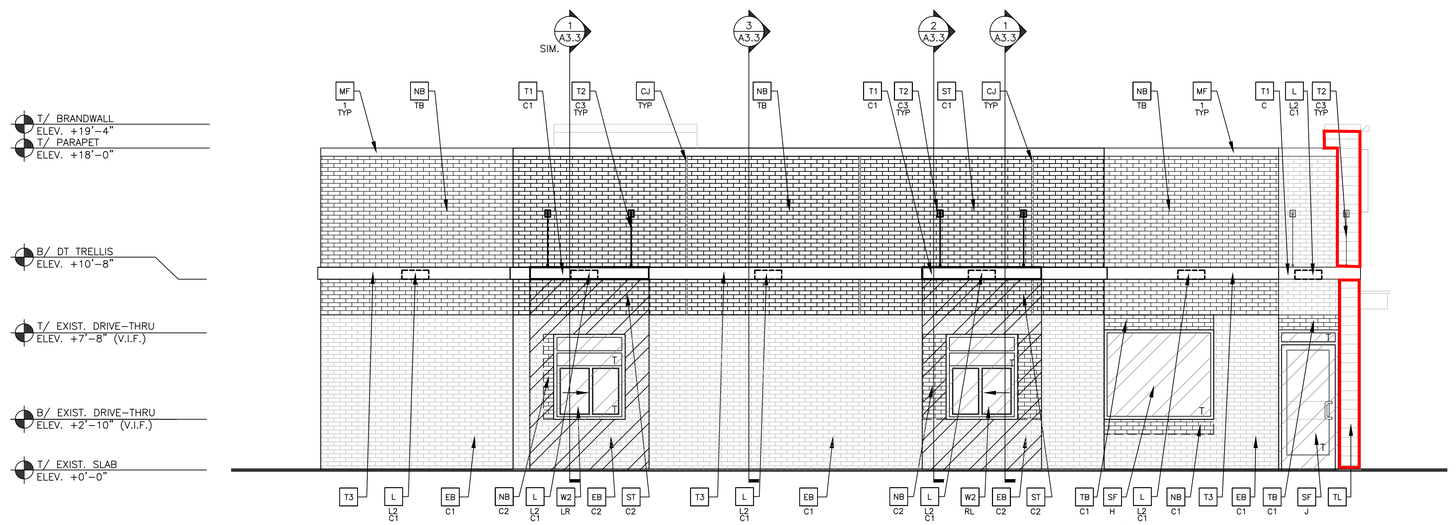
TITLE: MRP PROGRAM LOW VOLUME
DESCRIPTION: EXISTING MASONRY WALL CONSTRUCTION WITH EXISTING WOOD ROOF TRUSSES
STUCCO ARCADES, FRONT, ENTRY
SITE ADDRESS: 337 W. BRIDGE STREET DUBLIN, OH 43017
034–0387

SHEET NO. 034–0387 A2.1
ELEVATIONS

TOTAL BLDG EXTERIOR AREA: (Excluding Glazing + Doors)	4089 SF	
BRICK (Primary):	3180 SF	78%
FIBER CEMENT (Secondary):	540 SF	13%
TILE (Requires Variance):	369 SF	9%



1 A2.2 NON-DRIVE-THRU ELEVATION
1/4" = 1'-0"



2 A2.2 DRIVE-THRU ELEVATION
1/4" = 1'-0"

– NEW GLAZING

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  COLOR: CEDAR

REV	DATE	DESCRIPTION	BY
-	-	-	-

PREPARED BY:
CORE STATES GROUP
201 S. Maple Ave. Ste 300
Ambler, PA 19002
215-979-1215
Core-sg.com

PREPARED FOR:
McDonald's USA, LLC

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DRAWN BY	L.CONTES
STD ISSUE DATE	FEB 2018
REVIEWED BY	A.KERR-GRANT
DATE ISSUED	03/20/18
C.S.G. PROJECT #	MCD.24024

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LOW VOLUME
DESCRIPTION
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EXISTING WOOD ROOF TRUSSES
STUCCO ARCADES – FRONT, ENTRY

SITE ID 034-0387
SITE ADDRESS 337 W. BRIDGE STREET DUBLIN, OH 43017

SHEET NO. 034-0387
A2.2
ELEVATIONS