## EXPERIENCE OF THE FUTURE OHIO REGION

#### DESIGNER OF RECORD:

DISCIPLINE:	NAME	REPRESENTATIVE	ADDRESS	PHONE#
CIVIL:	GRW ENGINEERS	RODERICK SAYLOR	801 CORPORATE DRIVE,	859-223-3999
			LEXINGTON, KY 40503	
ARCHITECT	WILLIAMS SHEPHERD	FRANK SHEPHERD	4526 TULLER RD,	614-761-0881

#### **OWNER REPRESENTATIVE:**

DISCIPLINE:	NAME	REPRESENTATIVE	ADDRESS	PHONE#
CONSTRUCTION MANAGER:	TRUCTION MANAGER: MCDONALD'S		2 EASTON CIRCLE, SUITE 200,	513-267-2046
			COLUMBUS, OHIO 43219	

## REGION: EASTERN GREAT LAKES

**ARCHITECTS** 

#### **BUILDING INFORMATION ADDRESS**

STATE SITE CODE: 34-0006

STREET ADDRESS: 7916 MONTGOMERY RD

CITY: **CINCINNATI** COUNTY: **HAMILTON** STATE: OHIO

MCDONALD'S SITE AREA: 0.96 ACRES

ZONED: E (RETAIL)

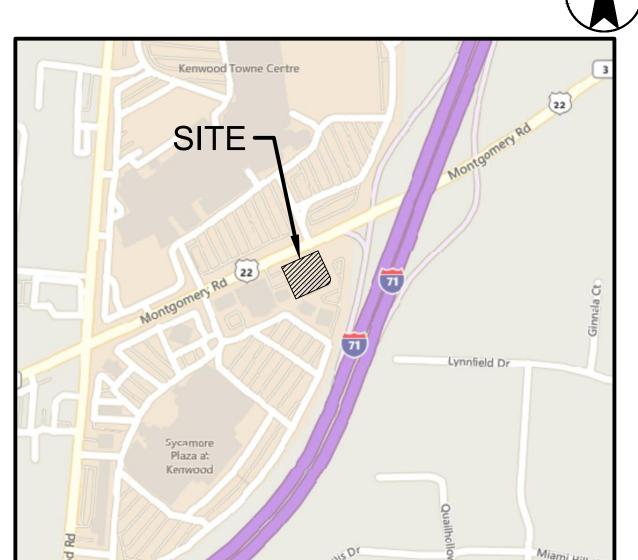
PARKING STATISTICS:

**VICINITY MAP** 

**EXISTING PARKING:** 44 REGULAR SPACES AND 2 HANDICAP SPACES

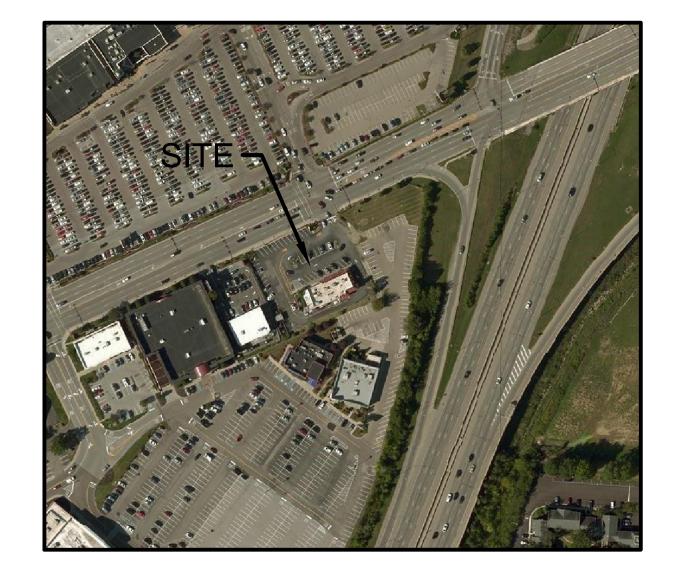
TOTAL PROPOSED STALLS: 42 REGULAR SPACES AND 2 HANDICAP SPACES

# Kenwood Towne Centre SITE



#### **AERIAL PHOTO**

**DUBLIN, OH 43017** 



#### GENERAL CONSTRUCTION NOTES:

- ALL DIMENSIONS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY CONSTRUCTION MANAGER AND DESIGNER OF RECORD IF ANY DISCREPANCIES EXIST PRIOR TO PROCEEDING WITH CONSTRUCTION. NO EXTRA COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR WORK HAVING TO BE REDONE DUE TO DIMENSIONS SHOWN INCORRECTLY ON THESE PLANS, IF SUCH NOTIFICATION HAS NOT BEEN GIVEN TO THE AFOREMENTIONED PEOPLE, AND CHANGES
- THIS PLAN HAS BEEN REVIEWED BY THE AUTHORITY HAVING JURISDICTION AND/OR ITS AUTHORIZED REPRESENTATIVE, BUT SUCH CHECKING AND/OR APPROVAL DOES NOT RELIEVE THE CONTRACTOR FROM THEIR RESPONSIBILITY TO CORRECT ERRORS, OMISSIONS OR MAKE CHANGES REQUIRED BY CONDITIONS DISCOVERED IN THE FIELD DURING THE COURSE OF CONSTRUCTION. MCDONALDS CONSTRUCTION MANAGER & THE AUTHORITY HAVING JURISDICTION SHALL BE INFORMED IN WRITING OF ANY CHANGES MADE DURING CONSTRUCTION PRIOR TO EXECUTION OF SAID CHANGE.
- ALL REVISIONS TO THIS PLAN MUST BE REVIEWED BY THE AUTHORITY HAVING JURISDICTION(S) PRIOR TO CONSTRUCTION AND SHALL BE ACCURATELY SHOWN ON REVISED PLANS STAMPED AND SIGNED BY THE APPROPRIATE PROFESSIONAL(S) PRIOR TO THE INSTALLATION OF THE IMPROVEMENTS.
- THE LOCATION OF EXISTING UTILITIES SHOWN HEREIN IS AN APPROXIMATION OF THEIR ACTUAL LOCATION AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO ASSUME ALL LIABILITY FOR ANY AND ALL DAMAGES WHICH MAY OCCUR DUE TO THE CONTRACTOR'S FAILURE TO PHYSICALLY LOCATE AND PRESERVE ANY AND ALL UTILITIES.
- THE CONTRACTOR SHALL NOT PERFORM ANY EXCAVATION OPERATIONS UNTIL ALL APPLICABLE UTILITY COMPANIES, COUNTY AND CITY AGENCIES HAVE BEEN NOTIFIED AND GIVEN THE OPPORTUNITY TO MARK THEIR FACILITIES IN THE FIELD. THE CONTRACTOR SHALL COORDINATE ALL FACILITIES MARKINGS.
- CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE WITH THE APPROPRIATE AGENCIES, UTILITIES OR COMPANIES TO PROVIDE TEMPORARY ELECTRIC POWER, WATER SUPPLY AND SANITARY FACILITIES DURING DURATION OF CONSTRUCTION ACTIVITIES. ASSOCIATED COSTS SHALL BE INCIDENTAL TO PROJECT.
- ALL WORK SHALL BE PER OSHA AND APPLICABLE FEDERAL. STATE AND LOCAL CODE REQUIREMENTS.
- THE CONTRACTOR SHALL SECURE ALL REQUIRED ENCROACHMENT AND/OR OTHER PERMITS FROM ALL GOVERNING AGENCIES BEFORE THE COMMENCEMENT OF WORK. CONTRACTOR SHALL MINIMIZE INTERFERENCE WITH ADJOINING ROADS, STREETS, WALKS OR OTHER ADJACENT OCCUPIED OR USED FACILITIES. STREETS, WALKS OR OTHER ADJACENT OCCUPIED OR USED FACILITIES SHALL NOT BE CLOSED OR OBSTRUCTED WITHOUT PERMISSION FROM AUTHORITIES HAVING JURISDICTION; ALTERNATE ROUTES AROUND CLOSED OR OBSTRUCTED TRAFFIC WAYS SHALL BE PROVIDED IF REQUIRED BY AUTHORITIES HAVING JURISDICTION.
- CONTRACTOR SHALL PROTECT ALL PROPERTY LINES, CORNERS AND SURVEY PINS; ANY DAMAGES SHALL BE PAID BY THE CONTRACTOR AT THEIR EXPENSE.
- CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS. DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORK HOURS, AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD HARMLESS THE OWNER, ARCHITECT, AND ENGINEER FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT; EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE FROM THE OWNER, ARCHITECT, OR ENGINEER. THE ENGINEER ASSUMES NO RESPONSIBILITY EXCEPT FOR THE ADEQUACY OF THEIR DESIGN CONTAINED HEREIN.
- ALL GRADING TO BE IN ACCORDANCE WITH LOCAL ADOPTED CODES AND ASTM D1557. GRADING SHALL MATCH ALL SURROUNDING
- THE SITE SHALL BE EITHER UNIFORMLY GRADED BETWEEN POINTS WHERE ELEVATIONS ARE GIVEN, BETWEEN SUCH POINTS AND EXISTING FINISHED GRADES, OR CONFORM POINTS (SMOOTH SURFACE, FREE OF IRREGULAR SURFACE CHANGES). IT SHALL COMPLY WITH THE GEOTECHNICAL'S REPORT COMPACTION REQUIREMENTS AND BE SLOPED TO DIRECT WATER AWAY FROM THE BUILDING AND TO PREVENT PONDING ANYWHERE ON SITE.
- ALL GRADED AREAS SHALL BE PROTECTED FROM TRAFFIC AND EROSION, KEPT FREE FROM TRASH AND WEEDS AND EMPLOYEE SEDIMENTATION CONTROL SYSTEMS. PRIOR TO COMPLETION OF THE PROJECT THE CONTRACTOR SHALL CONFIRM GRADES AND RESTORE ALL GRADED AREAS TO THEIR SPECIFIED TOLERANCES, AS NECESSARY.
- PRIOR TO PLACING AGGREGATE BASE OR PAVEMENT, THE SUBGRADE SHALL BE TREATED WITH A SOILS STERILIZATION TYPE WEED KILLER (EPA-REGISTERED) AND TERMITE CONTROL; WHERE REQUIRED.
- CONTRACTOR IS RESPONSIBLE FOR RESETTING EXISTING MONITORING WELLS, MANHOLES, CLEAN-OUTS AND ANY OTHER STRUCTURE TO FINISH GRADE AS NECESSARY.
- ALL NEW ASPHALT PAVING AND CONCRETE WORK SHALL MATCH THE EXISTING GRADES AT LIMITS OF WORK. SLOPE AWAY FROM BUILDINGS.
- REPLACE EXISTING ASPHALT PAVING AND/OR CONCRETE AS REQUIRED DUE TO NEW CONSTRUCTION INSTALL NEW PAVING PER PLAN SPECIFICATIONS AND PER GEOTECHNICAL REPORT.
- EXISTING ASPHALT PAVING AND/OR CONCRETE SHALL BE CUT TO A NEAT, STRAIGHT LINE (WHEN APPLICABLE). ALL EXPOSED VERTICAL SURFACES SHALL BE TACKED COATED BELOW FINISH GRADE LINE WITH ASPHALT EMULSION PRIOR TO PAVING.
- ALL NEW CONCRETE PAVING SHALL BE SEALED. JOINT SEALANT SHALL BE APPLIED TO ALL EXPANSIONS AND ISOLATION JOINTS; AND CONTROL JOINTS IN DRIVEWAY SLABS.
- 'SAW-CUTTING' TO CREATE CONTROL JOINTS SHALL BE DONE WITHIN 1 TO 4 HOURS (PENDING TEMPERATURE) AFTER THE HARDENING SUFFICIENTLY, TO PREVENT RAVELING OR DISLODGING OF AGGREGATES, OF THE CONCRETE.
- UNLESS OTHERWISE NOTED, ALL CURBS SHALL HAVE A 6" CURB FACE.
- ASPHALT PRIME COAT SHALL BE APPLIED TO THE COMPACTED AGGREGATE BASE PRIOR TO PLACING ASPHALTIC CONCRETE. THE RATE OF APPLICATION SHALL BETWEEN 0.2 AND 0.5 GALLONS PER SQUARE YARD.
- ASPHALT TACK COAT SHALL BE APPLIED BELOW FINISHED GRADE TO ALL VERTICAL SURFACES IN CONTACT WITH THE ASPHALT PAVEMENT AND TO THE SURFACE OF THE BASE COURSE WITH FINISH COURSE PLACED ON DIFFERENT DAYS. TACK COAT SHALL BE APPLIED AT A RATE BETWEEN 0.05 AND 0.15 GALLONS PER SQUARE YARD.
- SEAL COAT SHALL BE APPLIED TO ALL NEW ASPHALTIC PAVEMENT PER MANUFACTURER SPECIFICATIONS AND MCDONALDS PROJECT MANUAL.
- ANY WORK THAT IMPACTS ACCESSIBILITY SHALL BE RESTORED TO COMPLY WITH ALL LOCAL, STATE AND FEDERAL ADOPTED CODES; MOST STRIGENT SHALL APPLY.
- THE CONTRACTOR SHALL PROVIDE AN "AS-BUILT" PLAN WITH ALL MODIFICATIONS/CHANGES NOTED/SHOWN ON THE FINAL DRAWING

## DRAWING INDEX

C1.0 EXISTING SITE / SURVEY PLAN STORM WATER POLLUTION PREVENTION PLAN C2.1 SITE DEMOLITION PLAN

PROPOSED SITE PLAN

C5.0 PROPOSED GRADING PLAN

SD1.0 SITE DETAILS SD1.1 SITE DETAILS

CVR COVER SHEET

C3.0

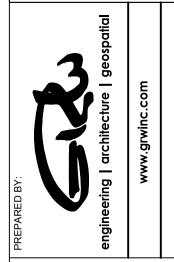
REVISIONS

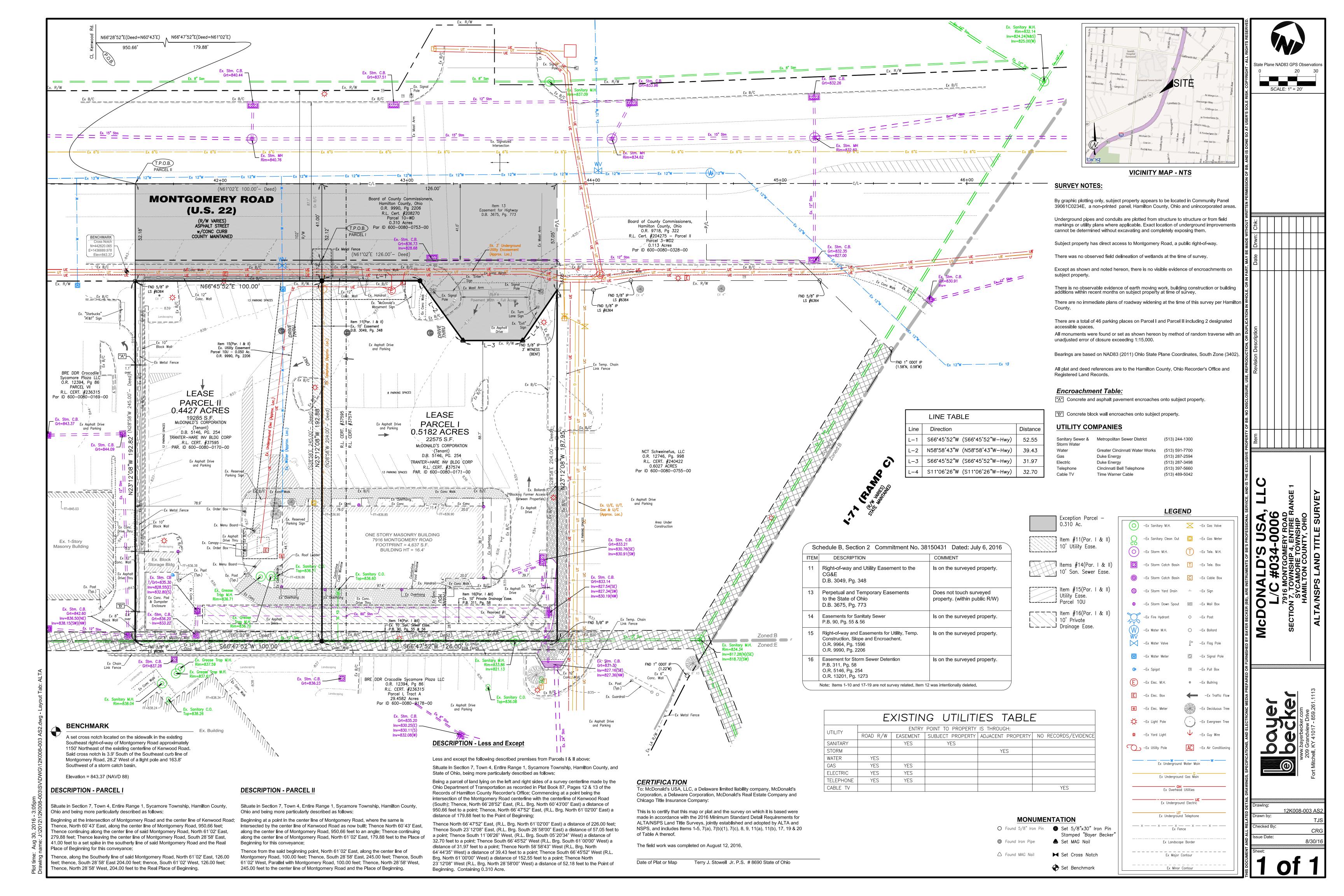
SD2.0 MENU & ORDER HERE BOARD FOUNDATION DETAILS SD3.0 GATEWAY/PRE-SELL BOARD FOUNDATIONS DETAILS

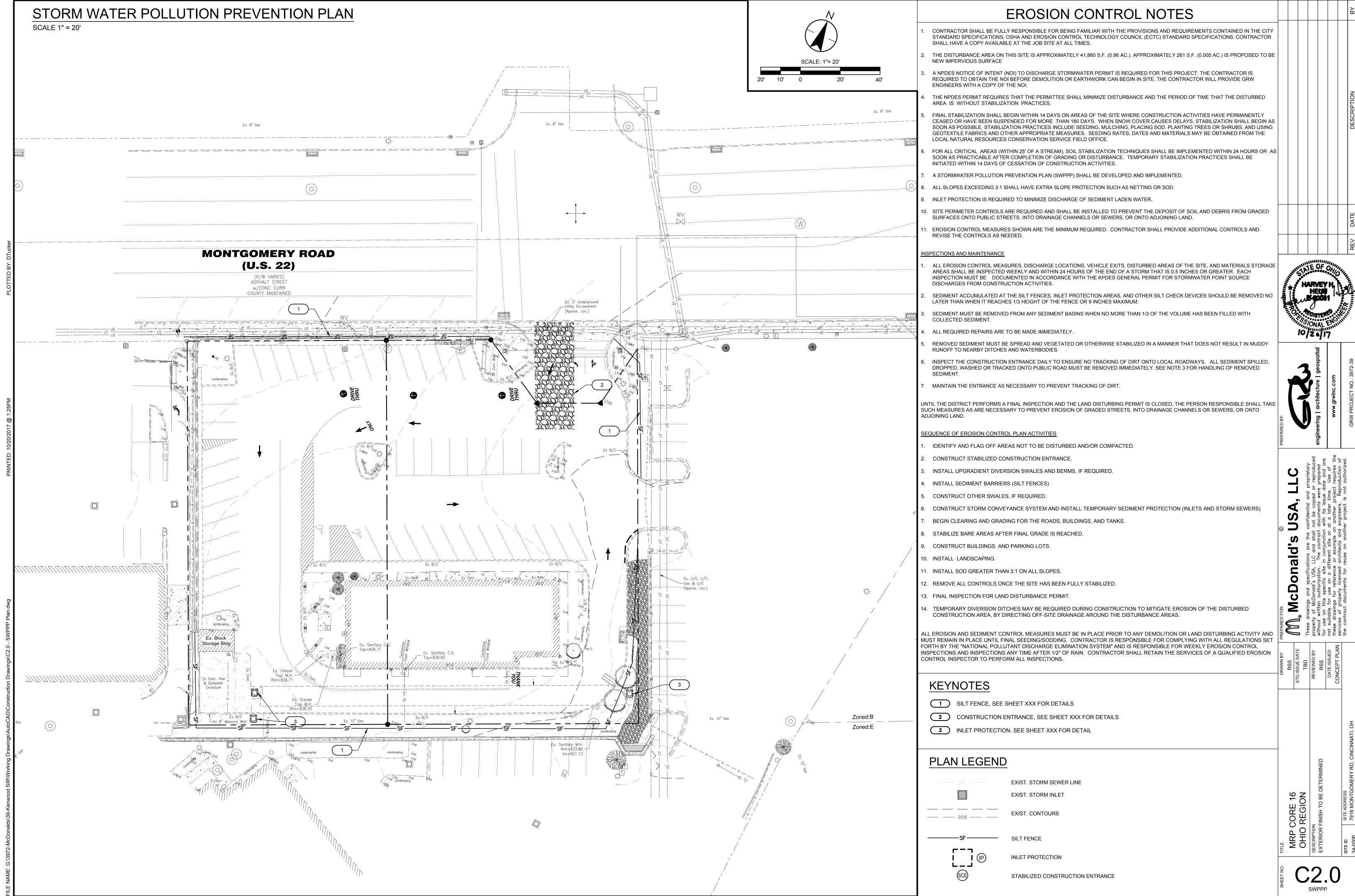
SD4.0 YARD LIGHT FOUNDATION DETAILS

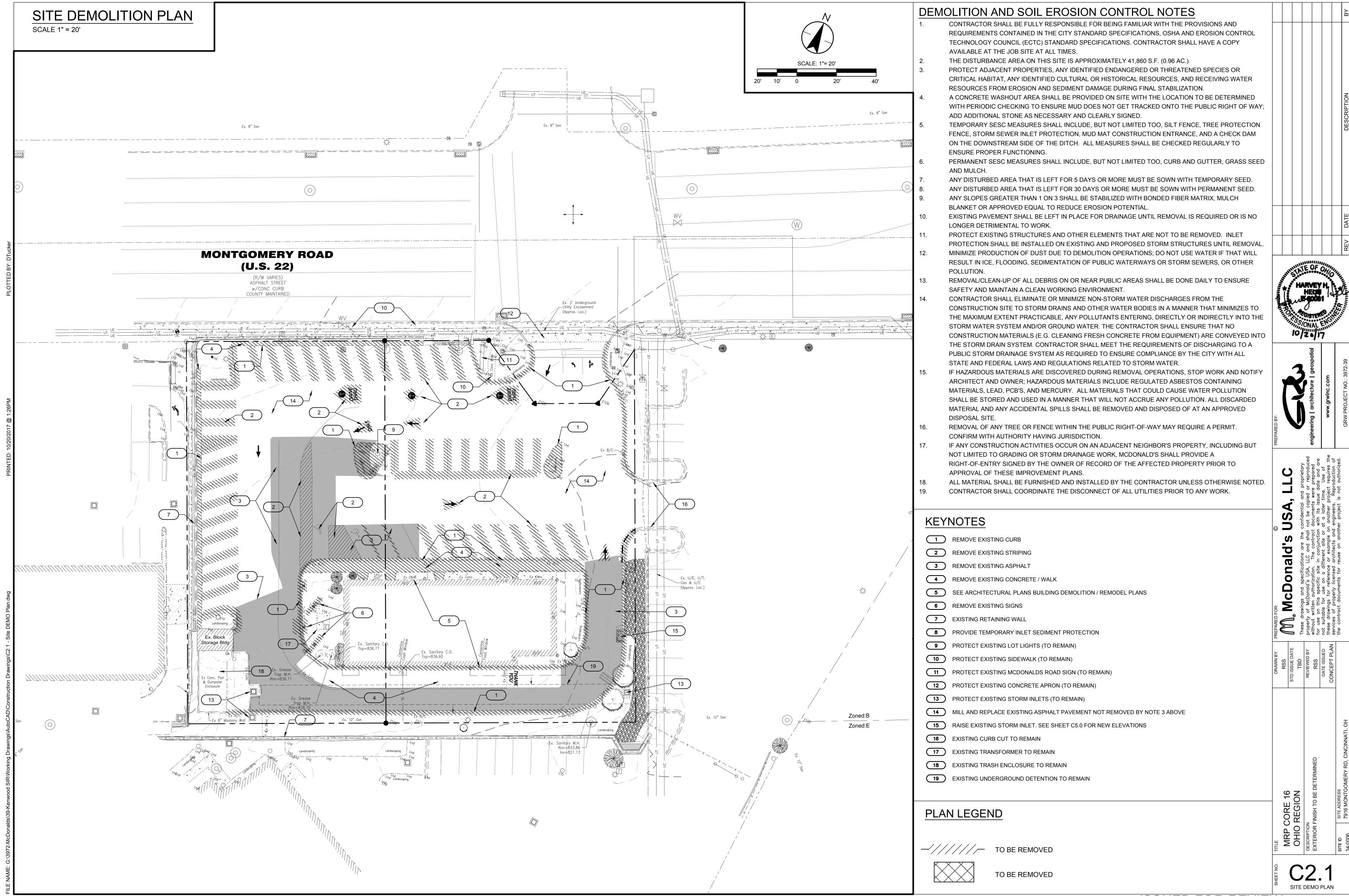
DT1.0 DRIVE-THRU DETAILS

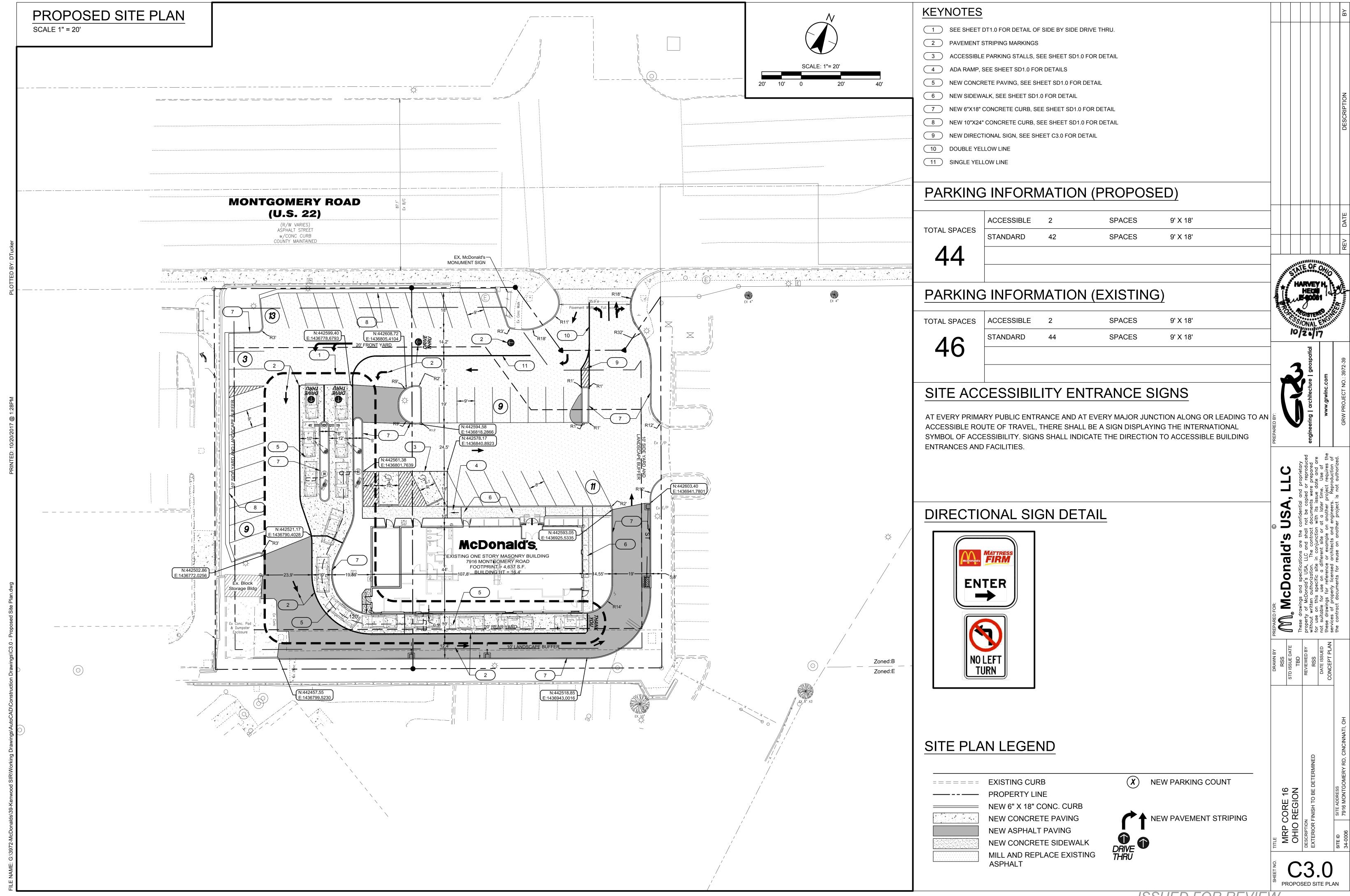
DT1.1 SITE STRIPING

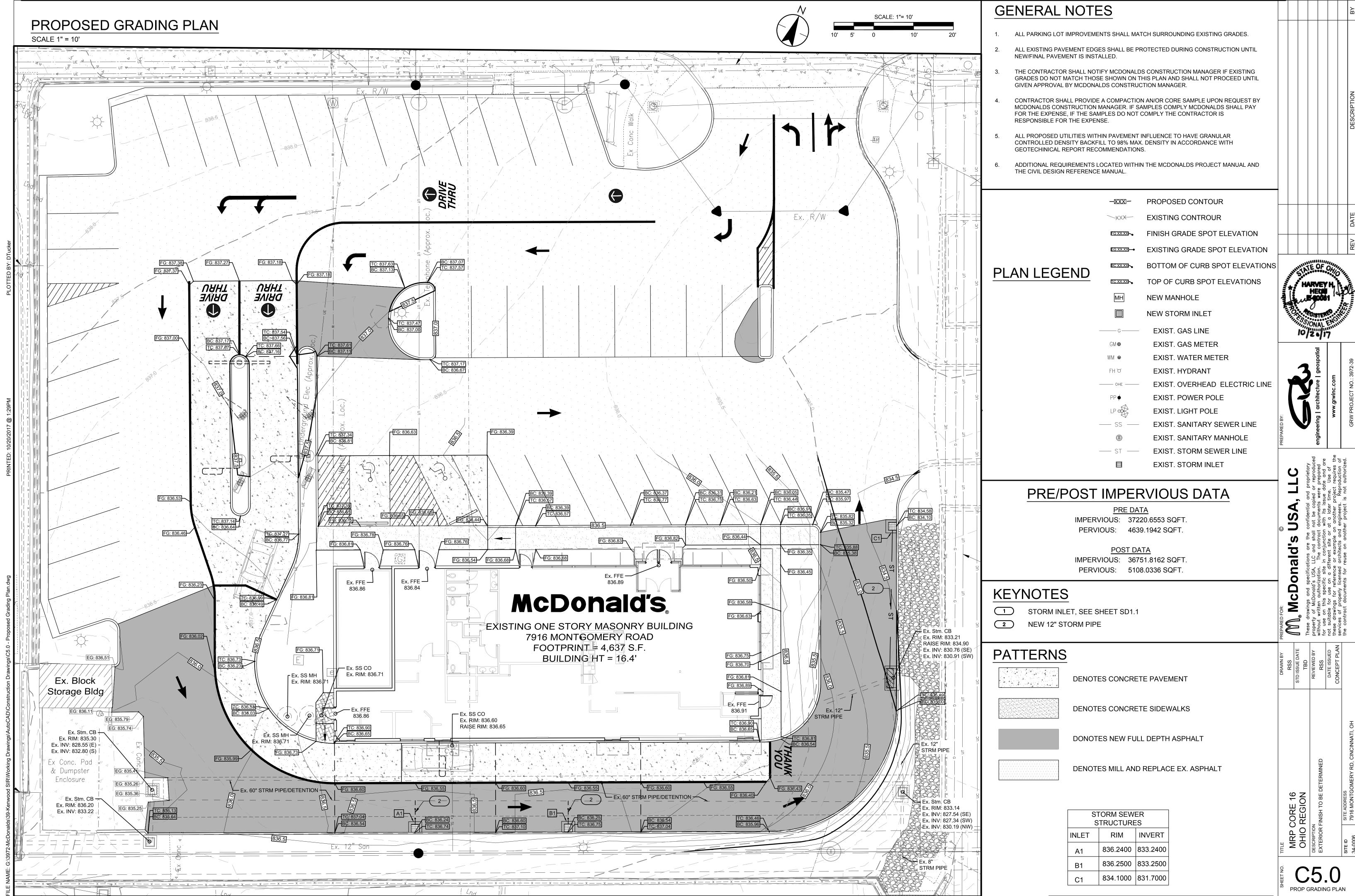


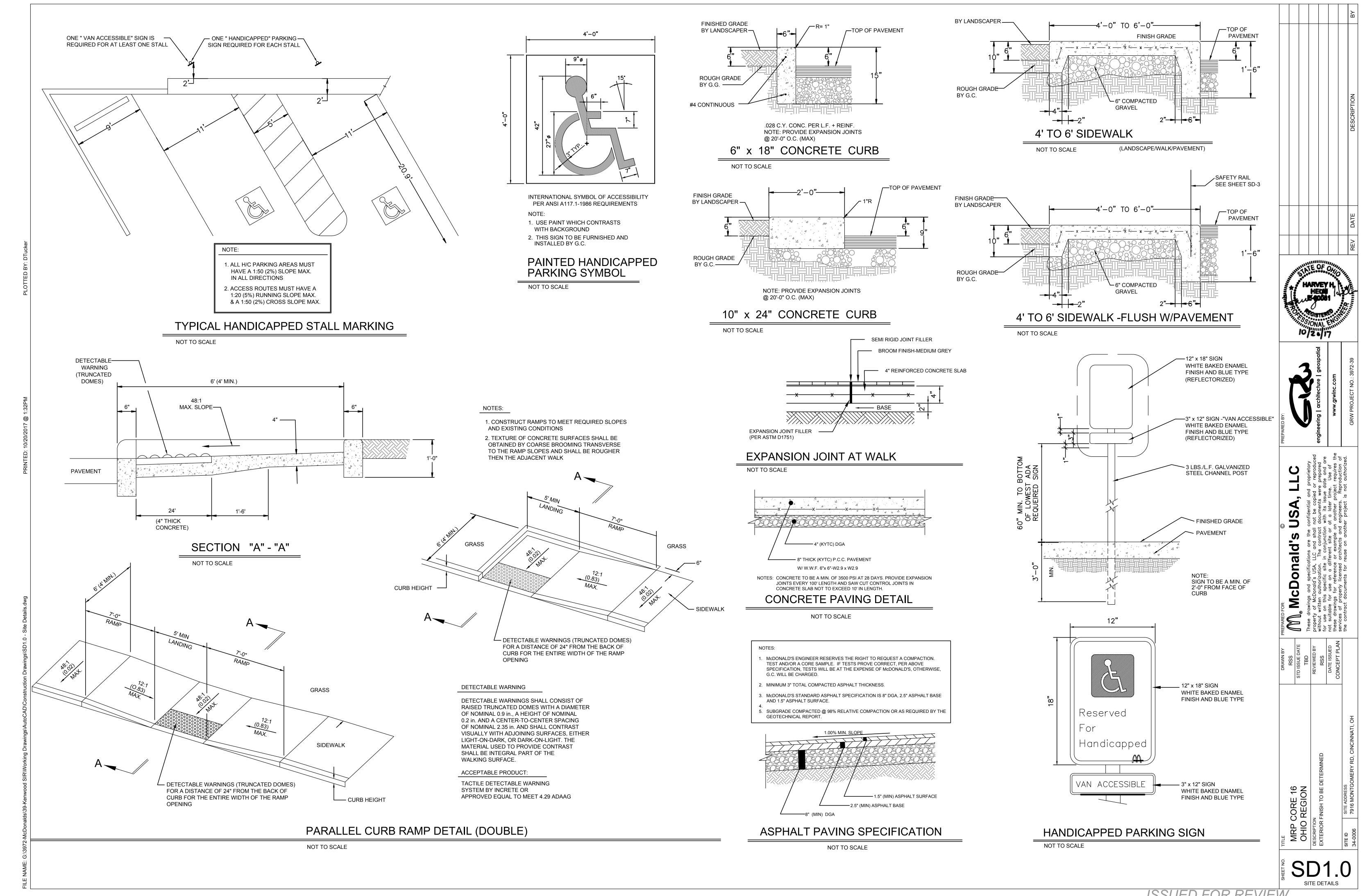


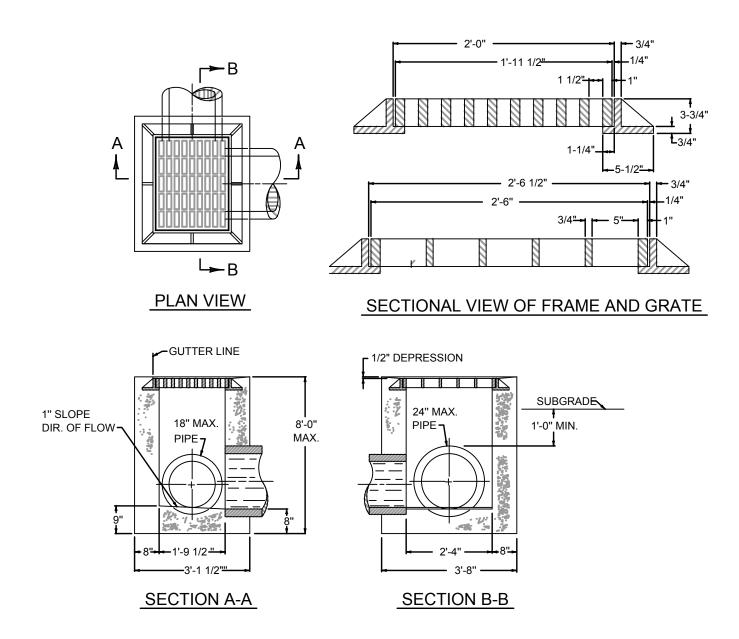




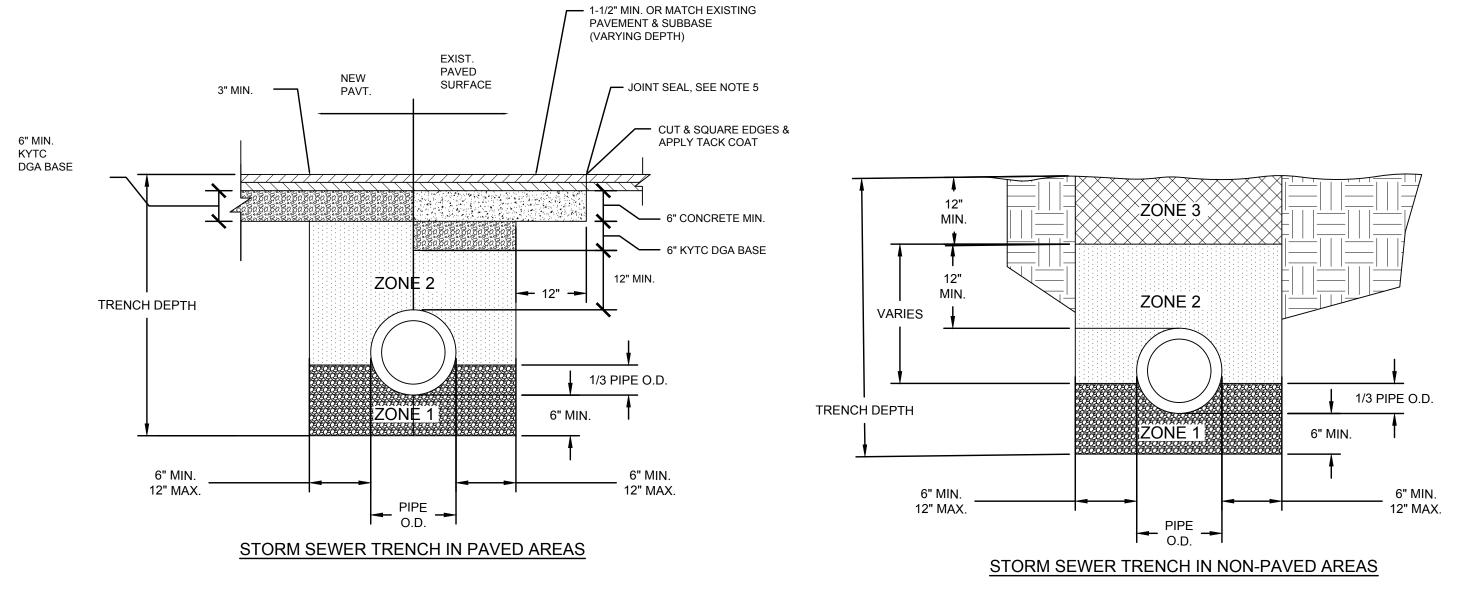








# DROP BOX INLET (GRATE) NOT TO SCALE



NOTES:

1. 12" MINIMUM COVER SHALL BE EXTABLISHED BEFORE TRENCH EXCAVATION.

2. TRENCH DEPTH SHALL NOT EXCEED 18 FT. WITHOUT SPECIAL DESIGN.

3. SOIL SHALL BE COMPACTED IN 6" LIFTS.

4. JOINT SEAL PERIMETER OF CUT PAVEMENT WITH FLEXMASTER POURABLE CRACK SEALANT

ZONE 3 - CONSOLIDATED SOIL BACKFILL, NO ROCK, TOPSOIL

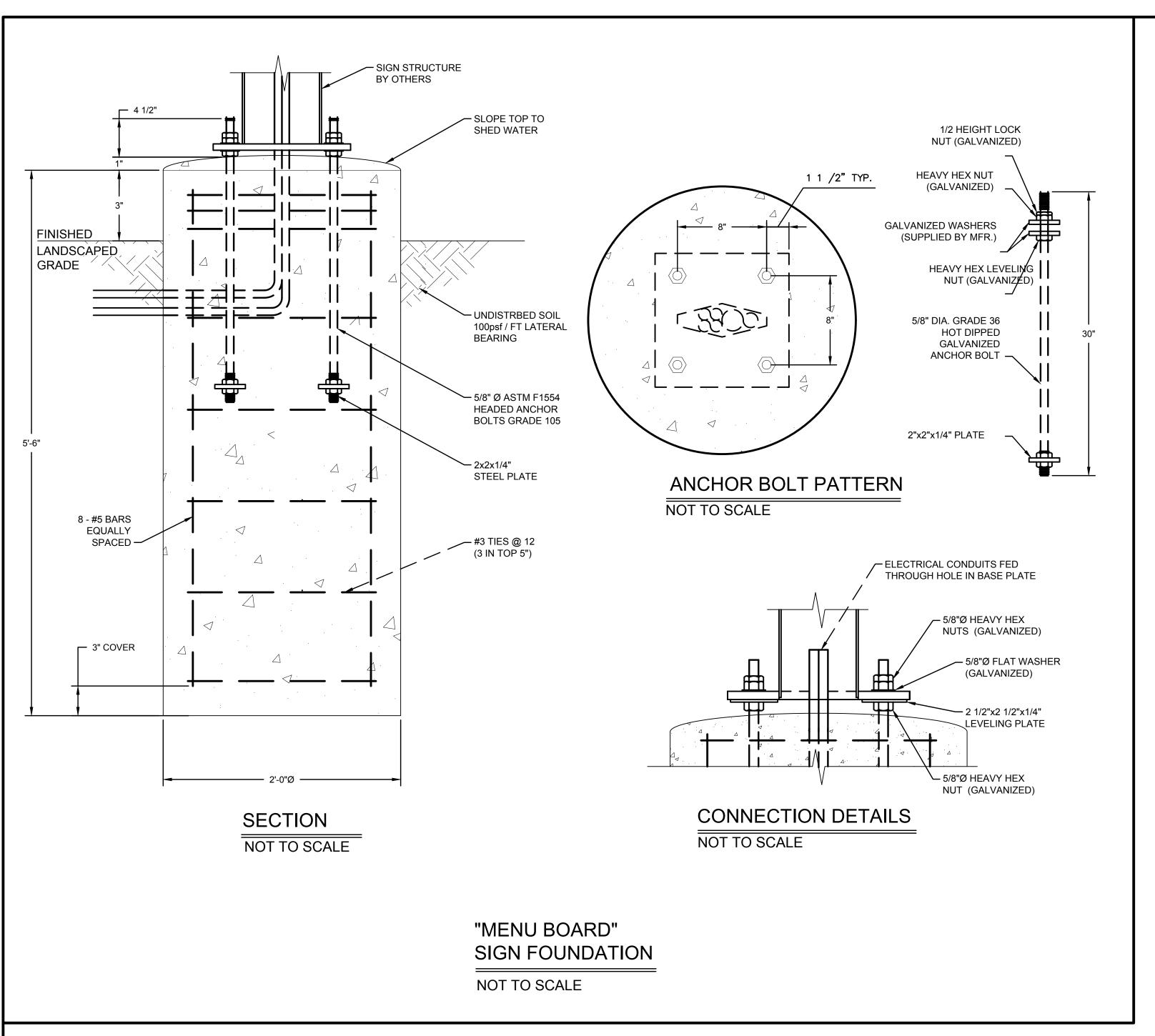
ZONE 2 - COMPACTED SELECT MATERIAL OR OHDOT NO. 57 COARSE AGGREGATE

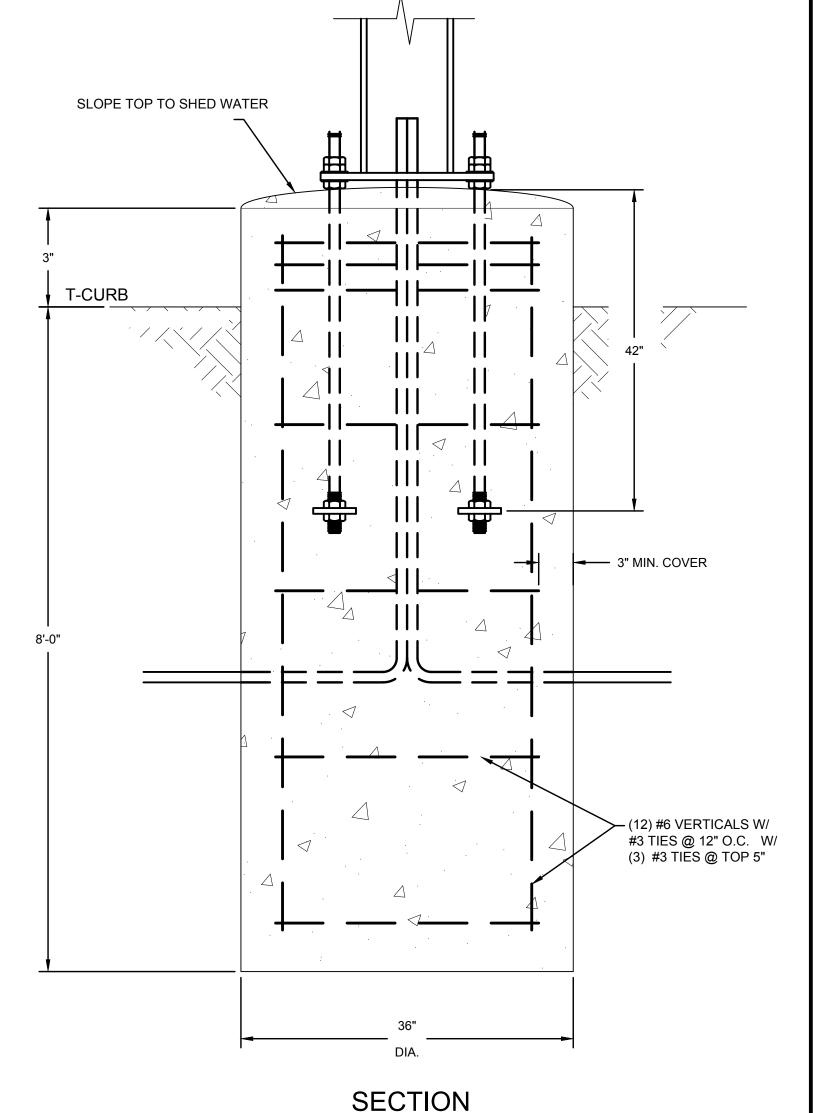
ZONE 1 - OHDOT NO. 9, NO. 57 OR NO. 78 COARSE AGGREGATE

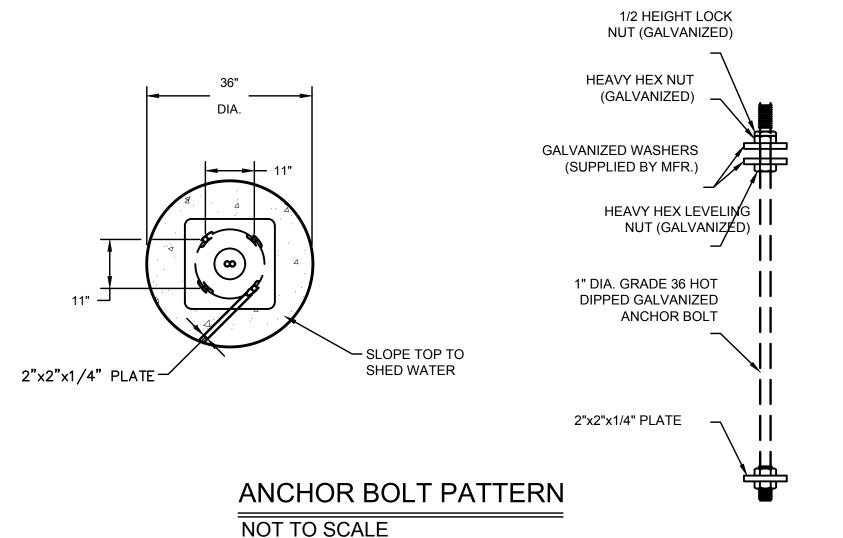
## STORM SEWER TRENCH

NOT TO SCALE

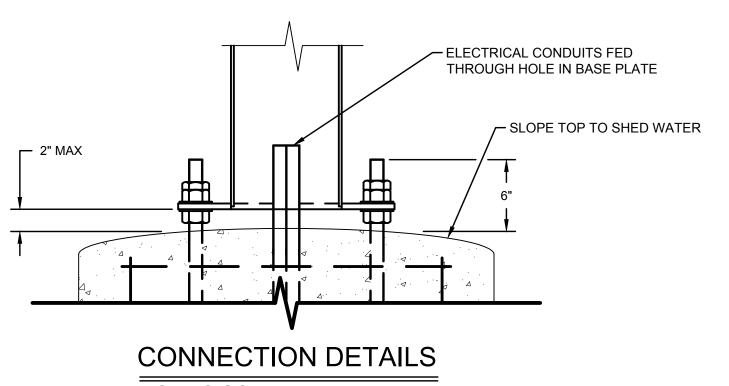








"ORDER HERE" SIGN FOUNDATION NOT TO SCALE



NOT TO SCALE

#### **GENERAL NOTES - SIGN FOUNDATIONS**

THE FOLLOWING CODES WERE USED TO DETERMINE THE SIGN LOADING:

- ASCE 7-05 (AS REFERENCED BY THE BUILDING CODE)

- STRUCTURE OCCUPANCY CATEGORY: CATEGORY II

#### <u>WIND</u>

- WIND SPEED: 90 MPH (3 SEC GUST)
- WIND EXPOSURE CATEGORY: CATEGORY C WIND IMPORTANCE FACTOR - IW =1.00
- WIND PRESSURE: NET WIND PRESSURE OF 25 PSF

#### <u>SEISMIC</u>

- SIGNS DESIGNED FOR A SEISMIC RESPONSE COEFFICIENT OF: CS = 0.2. - ANALYSIS PROCEDURE USED: EQUIVALENT LATERAL FORCE

#### **FOUNDATIONS**

- EXISTING UNDERGROUND UTILITIES IN AREAS OF FOUNDATION CONSTRUCTION SHALL BE LOCATED PRIOR TO CONSTRUCTION OF FOUNDATIONS. APPROPRIATE MEASURES SHALL BE TAKE TO PREVENT DAMAGE TO EXISTING UTILITIES. ALL FOOTINGALL 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. SIGN FOUNDATIONS SHALL NOT BE CONSTRUCTED IN UNCOMPACTED OR UNCONTROLLED FILL. UNDERCUT AND REPLACE UNSATISFACTORY FILL IN ACCORDANCE WITH INSTRUCTIONS FROM A QUALIFIED GEOTECHNICAL ENGINEER PRIOR TO CONSTRUCTING SIGN FOUNDATIONS.

 ALL FOOTING EXCAVATIONS ARE TO BE CLEAR OF WATER, ICE, MUD, MUCK, PEAT, ORGANIC MATERIAL AND FOREIGN MATTER BEFORE PLACING CONCRETE. - MINIMUM ALLOWABLE LATERAL SOIL BEARING PRESSURE OF 100 PSF/FT SITE

SOIL CONDITIONS HAVE BEEN ASSUMED, AND SHALL BE CONFIRMED BY A QUALIFIED GEOTECHNICAL ENGINEER. IF ACTUAL SOIL CONDITIONS ARE LESS THAN ASSUMED, FOUNDATION SHALL BE DESIGNED BY A LICENSED STRUCTURAL ENGINEER TAKING INTO ACCOUNT ACTUAL SITE SOIL CONDITIONS.

- ELECTRICAL COMPONENTS HAVE BEEN SHOWN FOR REFERENCE ONLY. SEE ELECTRICAL DRAWINGS FOR ELECTRICAL CONSTRUCTION.

 ALL PIERS TO EXTEND MINIMUM 12 INCHES BELOW FROST DEPTH AS DETERMINED BY LOCAL JURISDICTION, REGARDLESS OF DEPTH SHOWN. - NO ADDITIONAL COMPENSATION WILL BE PAID FOR ROCK CORING OR ROCK

EXCAVATION FOR SIGN FOUNDATIONS UNLESS EXPRESSLY STATED ELSEWHERE IN THE CONTRACT DOCUMENTS.

#### CONCRETE:

STEEL:

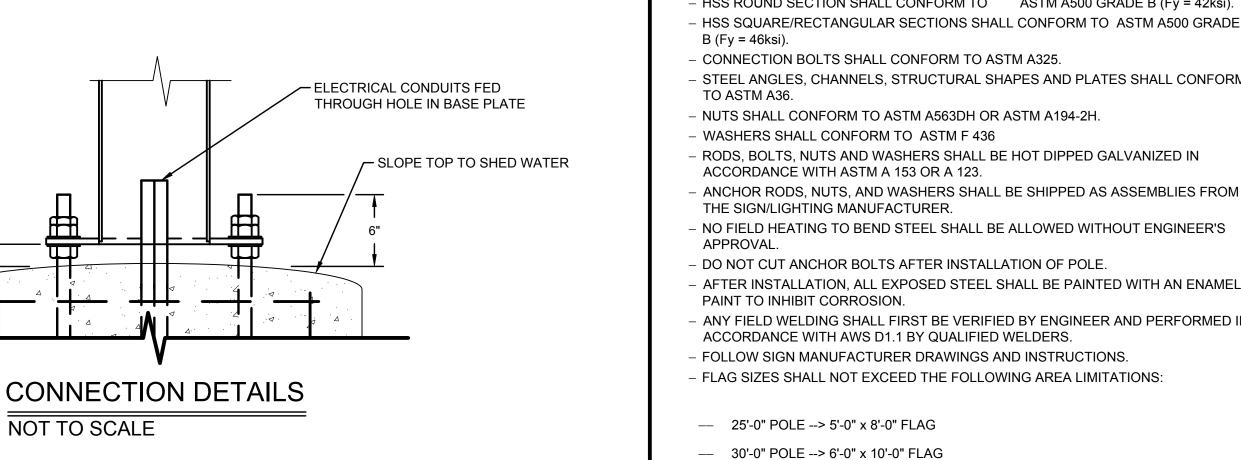
- ALL CONCRETE WORK SHALL BE PERFORMED IN ACCORDANCE WITH ACI 301, ACI 318, ACI 117, AND ACI 305 AND ACI 306 AS REQUIRED.
- TOP OF PIERS SHALL BE SLOPED SUCH THAT MOISTURE CANNOT ACCUMULATE. - LEAVE GAP BETWEEN CROWN OF CONCRETE AND BOTTOM OF BASE PLATE SO THAT POLE CAN DRAIN.
- MINIMUM CONCRETE STRENGTH (fc) SHALL CONFORM WITH MCDONALDS CAST-IN-PLACE CONCRETE SPECIFICATIONS.
- USE OF ADMIXTURES SHALL CONFORM TO MCDONALDS CAST-IN-PLACE CONCRETE SPECIFICATION.
- AIR ENTRAINMENT SHALL CONFORM WITH MCDONALDS CAST-IN-PLACE CONCRETE SPECIFICATION SECTIONS.
- WATER / CEMENTITIOUS MATERIAL RATIO SHALL CONFORM TO MCDONALDS
- CAST-IN-PLACE CONCRETE SPECIFICATIONS. - FOUNDATION CONCRETE TO BE TESTED PER MCDONALDS CAST-IN-PLACE
- CONCRETE SPECIFICATIONS.
- PROVIDE A MINIMUM 3" OF CONCRETE COVER OVER ALL EMBEDDED STEEL - REINFORCEMENT PLACEMENT SHALL CONFORM TO MCDONALDS CAST-IN-PLACE CONCRETE SPECIFICATIONS.
- ANCHOR BOLTS SHALL BE SET IN ACCORDANCE WITH AISC CODE OF STANDARD PRACTICE. MISALIGNED OR IMPROPERLY PLACED ANCHOR BOLTS ARE CAUSE FOR REPLACEMENT OF ENTIRE FOUNDATION AT CONTRACTOR'S SOLE EXPENSE - DO NOT PLACE POLES ON CONCRETE UNTIL CONCRETE HAS CURED PER

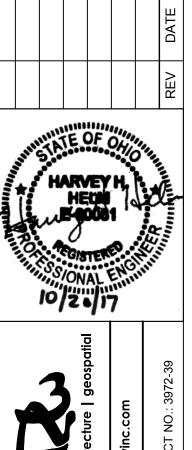
## MCDONALDS CAST-IN-PLACE CONCRETE SPECIFICATIONS.

- STEEL PIPE SHALL CONFORM TO ASTM A53 OR A252 TYPE E GRADE B (Fy = 35ksi). - STEEL WIDE FLANGE SHALL CONFORM TO ASTM A992 (Fy = 50ksi).
- HSS ROUND SECTION SHALL CONFORM TO ASTM A500 GRADE B (Fy = 42ksi). - HSS SQUARE/RECTANGULAR SECTIONS SHALL CONFORM TO ASTM A500 GRADE
- STEEL ANGLES, CHANNELS, STRUCTURAL SHAPES AND PLATES SHALL CONFORM

- NO FIELD HEATING TO BEND STEEL SHALL BE ALLOWED WITHOUT ENGINEER'S
- APPROVAL.
- ANY FIELD WELDING SHALL FIRST BE VERIFIED BY ENGINEER AND PERFORMED IN
- FOLLOW SIGN MANUFACTURER DRAWINGS AND INSTRUCTIONS.
- FLAG SIZES SHALL NOT EXCEED THE FOLLOWING AREA LIMITATIONS:

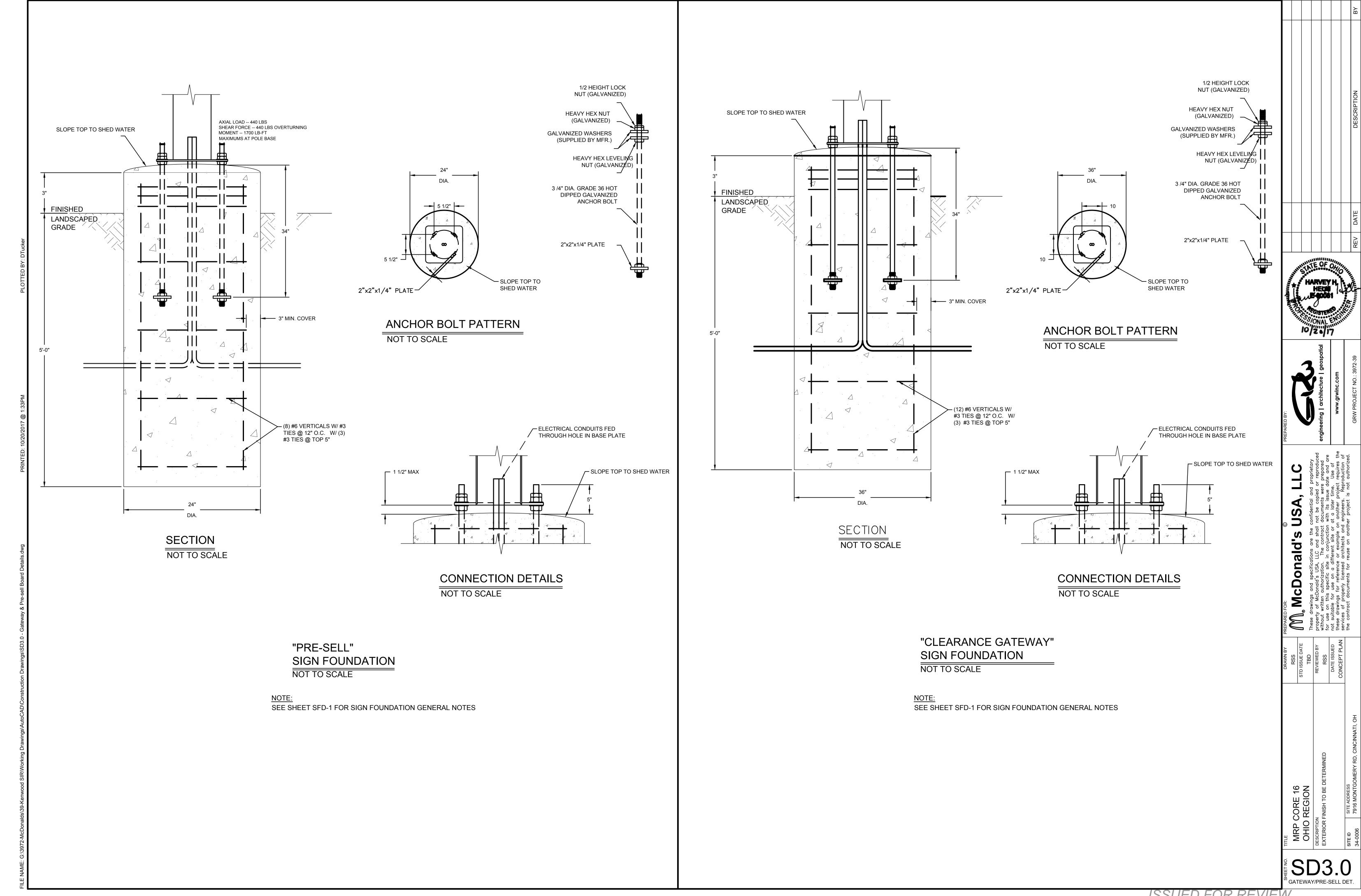
- -- 40'-0" POLE --> 8'-0" x 12'-0" FLAG
- -- 50'-0" POLE --> 10'-0" X 15'-0" FLAG
- FOLLOW FLAG MANUFACTURER DRAWINGS AND INSTALLATION INSTRUCTIONS
- CONTRACTOR IS RESPONSIBLE FOR THE MEANS AND METHODS OF CONSTRUCTION AND JOBSITE SAFETY.
- ANY FIELD MODIFICATIONS ARE TO BE VERIFIED BY THE ENGINEER RESPONSIBLE FOR THE DESIGN OF THE COMPONENT TO BE MODIFIED.

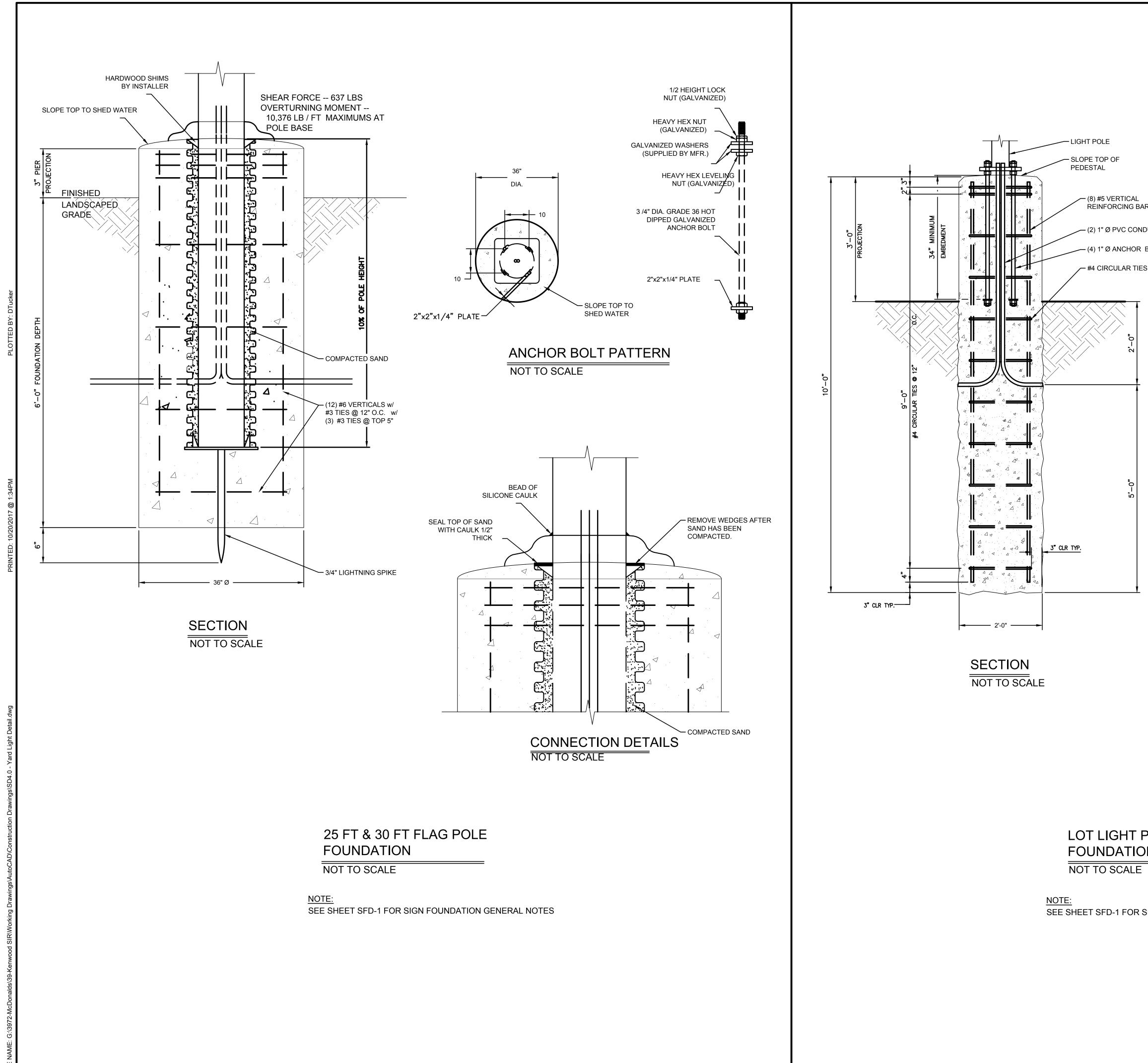


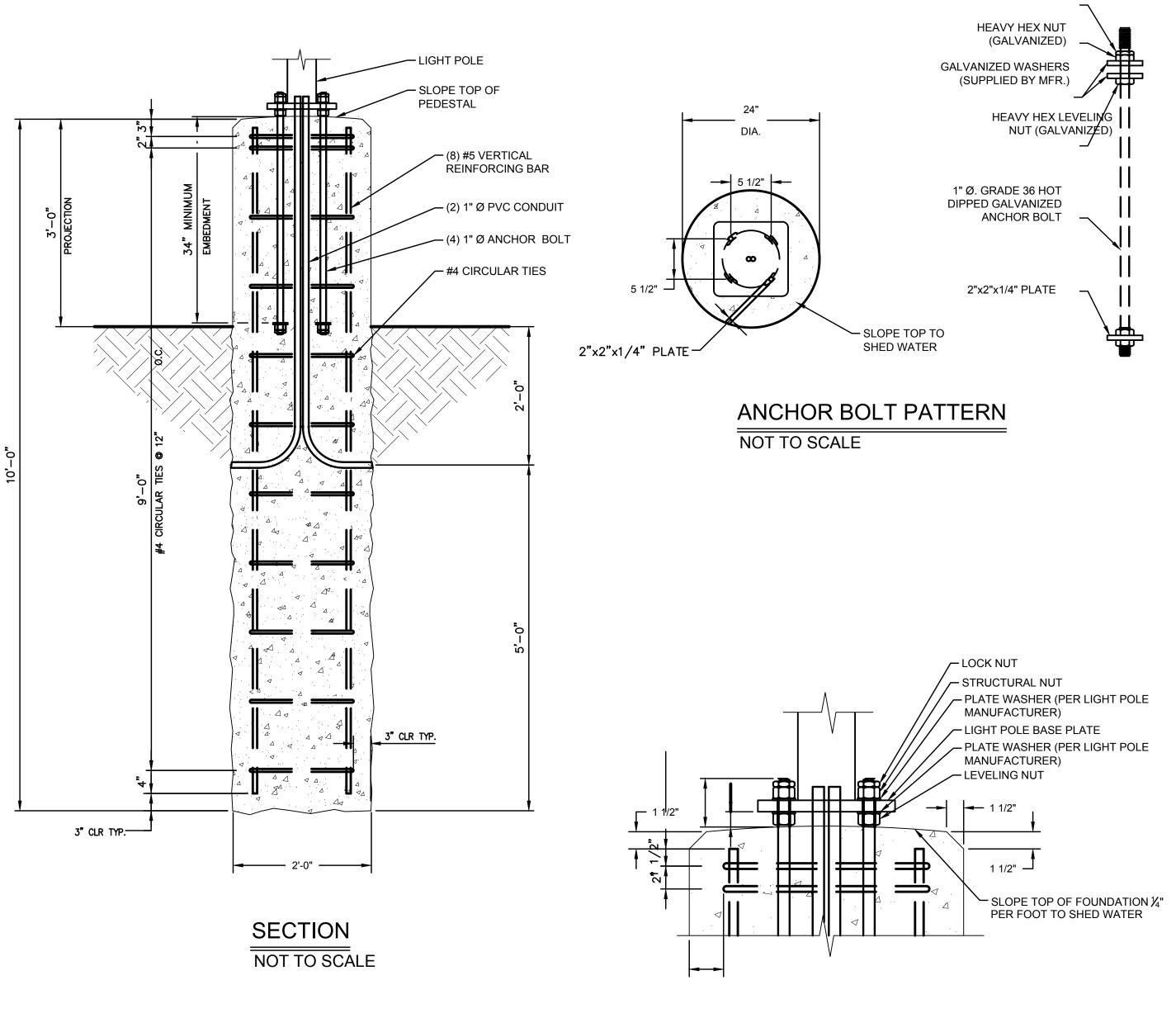


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MENU/ORDER DETAIL







CONNECTION DETAILS NOT TO SCALE

LOT LIGHT POLE **FOUNDATION** 

NOTE: SEE SHEET SFD-1 FOR SIGN FOUNDATION GENERAL NOTES

1/2 HEIGHT LOCK

NUT (GALVANIZED)

- THE MIN. RADIUS FOR ALL INSIDE/DRIVER'S SIDE DRIVE-THRU CURBING IS 20'-0" TO INSIDE OF CURB.
- PRIMARY LANE CURBING SHOULD BE AS STRAIGHT AS POSSIBLE. (LESS CURVING, THE BETTER).
- 2. SIDE BY SIDE DRIVE-THRU STANDARD PAVEMENT MARKINGS:
- 6" WIDE YELLOW PAINT STRIPE TO SPAN OUTER EDGE OF THE ENTIRE DRIVE-THRU
- DOUBLE-HEADED ARROW PAVEMENT MARKING. STANDARD STRIPING MARKINGS ARE 7' SHAFT, 7' ARROW STEM AND 3' FOR THE ARROW HEAD. TIP OF ARROW HEAD TO BE LOCATED AT CENTER OF EACH LANE.
- MERGE POINT IS LOCATED WHERE TWO VEHICLES LEAVING EACH COD SIMULTANEOUSLY WOULD MEET. THE MERGE POINT STRIPING IS TO BE LOCATED BY OFFSETTING THE INNER PRIMARY LANE BACK OF CURB 9.0' AND OFFSETTING THE OUTER LANE STRIPING 8.0'. AT THE INTERSECTION OF THESE OFFSETS, A 6" YELLOW STRIPE IS TO BE MARKED PERPENDICULAR TO THE OUTER LANE AS WELL AS THE
- 3. SIDE BY SIDE DRIVE-THRU STANDARD EQUIPMENT POSITIONING FOR PRIMARY LANE:
- MIN. 60'-0" (+5', 60'-65') LINEAR DISTANCE BETWEEN THE CENTER LINE OF THE COD FACE AND THE CENTER LINE OF THE OPEN ORDER BOOTH WINDOW AS MEASURED ALONG THE CENTER LINE OF THE LANE. THIS MAY ONLY BE INCREASED IN 20'-0" INCREMENTS (±5' FOR 80', 100', AND 120') TO A MAX OF 100'. 80'-0" IS OPTIMAL.
- THE CENTER OF THE MENU BOARD FOUNDATION SHALL BE 5'-3" (5'-0" MIN. AND 6'-0" MAX.) FROM CENTER OF THE COD FOUNDATION.
- THE PRIMARY MENU BOARD SHOULD BE AT AN ANGLE OF 35° FROM A CAR POSITIONED AT THE COD TO MAXIMIZE VIEWING.
- AUGER "McDONALD'S ORDER HERE CANOPY" COD/CANOPY FOUNDATION TIGHT AGAINST BACK OF CURB. SEE MANUFACTURER/LOCAL SPECIFICATIONS FOR
- A SINGLE BOLLARD SHOULD BE POSITIONED AT THE CORNER OF THE BUILDING ON THE DRIVE-THRU SIDE. IT SHOULD BE FLUSH AGAINST THE BUILDING AND FACE OF THE BOLLARD SHOULD BE TIGHT AGAINST THE BACK OF THE CURB.
- AUGER "McDONALD'S GATEWAY" SIGN FOUNDATION TIGHT AGAINST BACK OF CURB. SEE MANUFACTURER/LOCAL SPECIFICATIONS FOR DETAILS.

**PAVEMENT COORDINATES** 

1436833.50 BUILDING CORNER

- 4. SIDE BY SIDE DRIVE-THRU STANDARD EQUIPMENT POSITIONING FOR **SECONDARY LANE:**
- MIN. 60'-0" (+5', 60'-65') LINEAR DISTANCE BETWEEN THE CENTER LINE OF THE COD FACE AND THE CENTER LINE OF THE OPEN ORDER BOOTH WINDOW AS MEASURED ALONG THE CENTER LINE OF THE LANE. THIS MAY ONLY BE INCREASED IN 20'-0" INCREMENTS (±5' FOR 80', 100', AND 120') TO A MAX OF 100'. 80'-0" IS OPTIMAL.
- THE CENTER OF THE MENU BOARD FOUNDATION SHALL BE 5'-3" (5'-0" MIN. AND 6'-0" MAX.) FROM CENTER OF THE COD FOUNDATION.
- THE PRIMARY MENU BOARD SHOULD BE AT AN ANGLE OF 35° FROM A CAR POSITIONED AT THE COD TO MAXIMIZE VIEWING.
- AUGER "McDONALD'S ORDER HERE CANOPY" COD/CANOPY FOUNDATION TIGHT AGAINST BACK OF CURB. SEE MANUFACTURER/LOCAL SPECIFICATIONS FOR DETAILS.
- A SINGLE BOLLARD SHOULD BE POSITIONED AT THE CORNER OF THE BUILDING ON THE DRIVE-THRU SIDE. IT SHOULD BE FLUSH AGAINST THE BUILDING AND FACE OF THE BOLLARD SHOULD BE TIGHT AGAINST THE BACK OF THE CURB.
- AUGER "McDONALD'S GATEWAY" SIGN FOUNDATION TIGHT AGAINST BACK OF CURB. SEE MANUFACTURER/LOCAL SPECIFICATIONS FOR DETAILS.
- 5. SIDE BY SIDE DRIVE-THRU STANDARD DETECTOR LOOP:
- DETECTOR LOOPS SHALL BE LOCATED AT THE CENTER OF THE OPENING WINDOW AT THE CASH AND PRESENT BOOTHS.

### SIDE BY SIDE DRIVE-THRU STANDARD 1.0 FEATURES

- 1. SIDE BY SIDE DRIVE-THRU STANDARD 1.0 EQUIPMENT:
- PRE-BROWSE BOARD MUST BE 18"-24" FROM FACE OF CURB. THE DISTANCE BETWEEN THE PRIMARY COD AND PRE-BROWSE BOARD IS TO BE 15' AS MEASURED ALONG THE CENTER LINE OF THE LANE. THIS IS MEASURED FROM THE CENTER OF THE PRE-BROWSE BOARD FOUNDATION TO THE CENTER OF THE COD FOUNDATION. THE ANGLE (APPROXIMATELY 50°) OF THE PRE-BROWSE BOARD SHOULD MAXIMIZE VISIBILITY TO THE SECOND CAR FROM COD.
- PRE-BROWSE BOARD MUST BE MIN. 12" FROM FACE OF CURB. THE DISTANCE BETWEEN THE SECONDARY COD AND PRE-BROWSE BOARD IS TO BE 15' AS MEASURED ALONG FACE OF THE CURB. THIS IS MEASURED FROM THE POINT PERPENDICULAR TO THE CENTER OF THE PRE-BROWSE BOARD FOUNDATION TO THE POINT PERPENDICULAR TO THE CENTER OF THE COD FOUNDATION. THE ANGLE OF THE PRE-BROWSE BOARD SHOULD MAXIMIZE VISIBILITY TO THE SECOND CAR FROM COD (PREFERRED 35°).

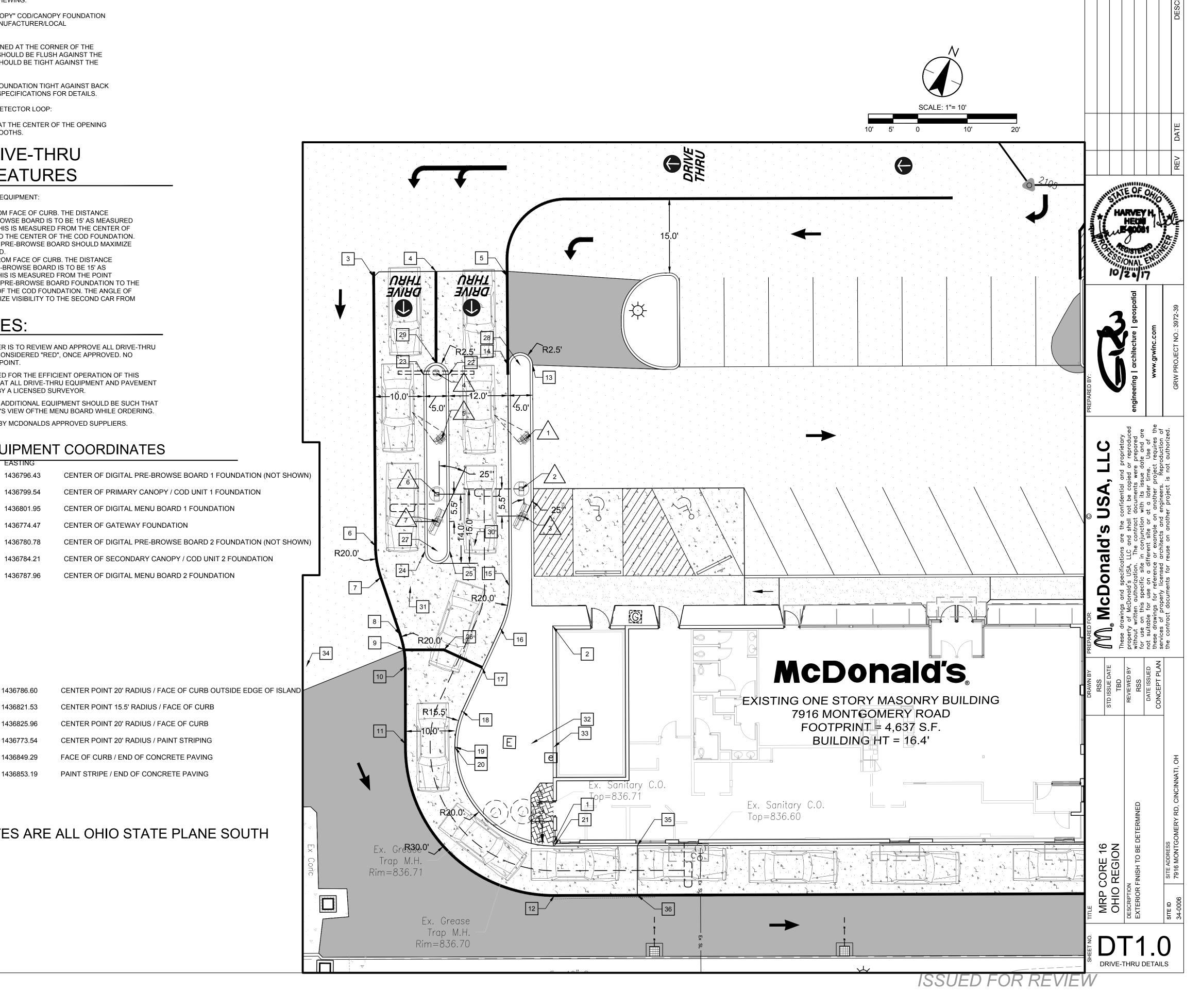
#### **NOTES:**

- 1. THE REGIONAL CONSTRUCTION MANAGER IS TO REVIEW AND APPROVE ALL DRIVE-THRU LAYOUTS. A DRIVE-THRU IS FINAL, AND CONSIDERED "RED", ONCE APPROVED. NO CHANGES ARE TO BE MADE AFTER THIS POINT.
- 2. DUE TO THE EXACT GEOMETRY REQUIRED FOR THE EFFICIENT OPERATION OF THIS DRIVE-THRU LAYOUT, IT IS REQUIRED THAT ALL DRIVE-THRU EQUIPMENT AND PAVEMENT IMPROVEMENTS TO BE FIELD LOCATED BY A LICENSED SURVEYOR.
- 3. THE PLACEMENT OF THE CODs AND ANY ADDITIONAL EQUIPMENT SHOULD BE SUCH THAT IT PREVENTS BLOCKING THE CUSTOMER'S VIEW OFTHE MENU BOARD WHILE ORDERING.
- 4. ALL DRIVE THRU EQUIPMENT SUPPLIED BY MCDONALDS APPROVED SUPPLIERS.

442569.97

#### **EQUIPMENT COORDINATES**

Ē	2	442537.37	1436816.17	BUILDING CORNER	$\sqrt{2}$	442560.41	1436799.54	CENTER OF PRIMARY CANOPY / COD UNIT 1 FOUNDATION
Ť	3	442588.16	1436755.28	START OF CONCRETE PAVING / START OF PAINT STRIPING	$\sqrt{3}$	442555.46	1436801.95	CENTER OF DIGITAL MENU BOARD 1 FOUNDATION
Ť	4	442594.10	1436766.46	START OF CONCRETE PAVING / START OF PAINT STRIPING	$\sqrt{4}$	442575.26	1436774.47	CENTER OF GATEWAY FOUNDATION
Ì	5	442598.89	1436780.06	START OF CONCRETE PAVING / START OF PAINT STRIPING	5	442563.33	1436780.78	CENTER OF DIGITAL PRE-BROWSE BOARD 2 FOUNDATION (NOT SH
Ť	6	442538.19	1436776.91	START OF RADIUS / PAINT STRIPE	6	442552.71	1436784.21	CENTER OF SECONDARY CANOPY / COD UNIT 2 FOUNDATION
Ť	7	442532.82	1436780.34	END OF RADIUS / PAINT STRIPE	7	442544.65	1436787.96	CENTER OF DIGITAL MENU BOARD 2 FOUNDATION
Ī	8	442523.71	1436788.47	START OF RADIUS / PAINT STRIPE				
Ī	9	442521.16	1436790.40	PAINT STRIPE / END OF PAINT STRIPE				
Ī	10	442518.23	1436791.95	FACE OF CURB / END OF RADIUS				
Ī	11	442503.75	1436798.11	START OF RADIUS / PAINT STRIPE				
Ī	12	442487.34	1436837.77	END OF RADIUS / PAINT STRIPE				
Ī	13	442584.32	1436791.83	FACE OF CURB / START OF RADIUS				
Ī	14	442582.33	1436787.23	FACE OF CURB / END OF RADIUS	31	442533.43	1436786.60	CENTER POINT 20' RADIUS / FACE OF CURB OUTSIDE EDGE OF ISLA
Ī	15	442541.38	1436804.95	FACE OF CURB / START OF RADIUS	32	442513.82	1436821.53	CENTER POINT 15.5' RADIUS / FACE OF CURB
Ī	16	442532.84	1436806.59	FACE OF CURB / END OF RADIUS	33	442514.91	1436825.96	CENTER POINT 20' RADIUS / FACE OF CURB
Ī	17	442524.08	1436806.33	FACE OF CURB / END OF PAINT STRIPING	34	442510.40	1436773.54	CENTER POINT 20' RADIUS / PAINT STRIPING
Ť	18	442514.39	1436806.05	FACE OF CURB / START OF RADIUS	35	442503.15	1436849.29	FACE OF CURB / END OF CONCRETE PAVING
Ī	19	442507.15	1436807.53	FACE OF CURB / END OF RADIUS	36	442493.94	1436853.19	PAINT STRIPE / END OF CONCRETE PAVING
Ī	20	442507.08	1436807.56	FACE OF CURB / START OF RADIUS				
İ	21	442496.53	1436833.84	FACE OF CURB / END OF RADIUS				
İ	22	442575.81	1436776.97	FACE OF CURB / START OF RADIUS			TEC ADE	ALL OUIO CTATE DI ANE COLITU
j	23	442573.82	1436772.39	FACE OF CURB / END OF RADIUS		NIIUAU	I E S AKE	ALL OHIO STATE PLANE SOUTH
j	24	442541.18	1436786.52	FACE OF CURB / START OF RADIUS				



1 442496.93

442543.17

442524.33

442542.18

442583.32

1436791.11

1436797.83

FACE OF CURB / END OF RADIUS

MERGE POINT / PAINT STRIPING

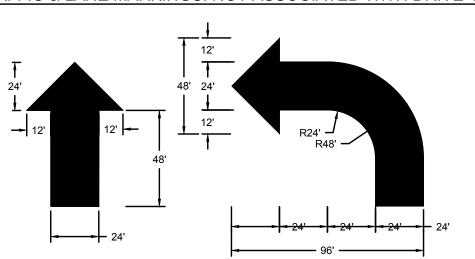
CENTER POINT 2' RADIUS / FACE OF CURB END OF ISLAND

CENTER POINT 2' RADIUS / FACE OF CURB END OF ISLAND

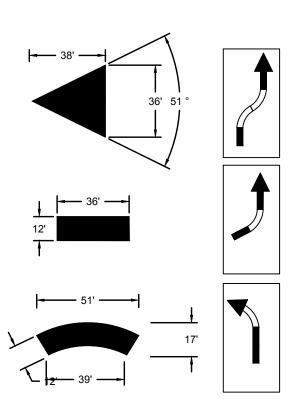
CENTER POINT 20' RADIUS / PAINT STRIPE OUTSIDE EDGE OF ISLAND

#### ALL TRAFFIC MARKINGS AND SIGNAGE SHALL BE IN ACCORDANCE WITH THE LATEST MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

#### TRAFFIC & LANE MARKINGS: NOT ASSOCIATED WITH DRIVE-THRU



APPLY TWO COATS OF WATERBORNE PAINT (PER FS TT-P-1952) OR SOLVENT BORNE PAINT (PER FS A-A-2886 OR AASHTO M248). TRAFFIC-LANE MARKING PAINT OVER CLEANED PAVING SURFACE ACCORDING TO LAYOUT SHOWN ON THE SITE PLAN. PAINT WHITE OR AS REQUIRED BY CITY



ALL PAINT MARKINGS TO BE APPLIED TO ASPHALT WHEN OUTDOOR TEMPERATURE EXCEEDS +8° MINIMUM.

2. ALL PARKING STALL MARKINGS SHALL BE PAINTED WHITE. ALL DRIVE-THRU MARKINGS SHALL BE PAINTED YELLOW (PMS123), INCLUDING 'DRIVE THRU,' 'THANK YOU,' ALL

DIRECTIONAL ARROWS AND DRIVE THRU LANE MARKINGS. 4. BROADCAST GLASS BEADS UNIFORMLY INTO WET PAVEMENT MARKINGS AT A RATE OF 6LB/GAL.

5. CONTACT: "PAVEMENT STENCIL COMPANY" P.O BOX 915755 LONGWOOD, FLORIDA 32791 PHONE: 1-800-250-5547

PAVEMENT BRANDING NOTES: YELLOW PAINT (PMS123) IS USED FOR ALL DRIVE-THRU

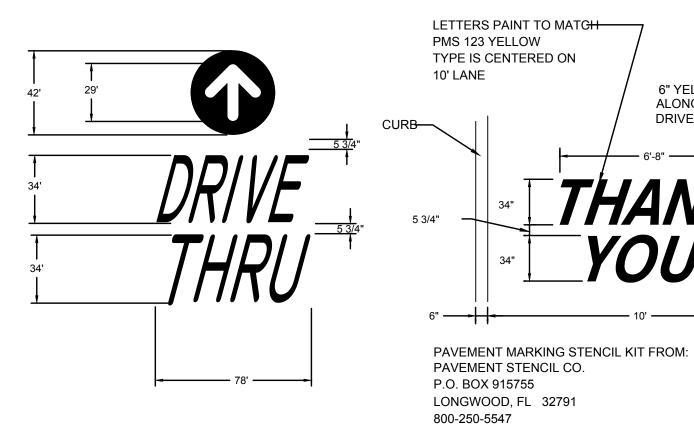
MARKINGS. 2. THE WORDS 'DRIVE-THRU' AND THE CIRCLE ARROW ARE PLACED AT ALL ENTRANCES TO THE LOT APPROX. 25' TO 30' FROM THE CURB OR SIDEWALK.

3. THE WORDS 'DRIVE-THRU' SHOULD BE CENTERED IN THE DRIVEWAY FOR ONE WAY TRAFFIC (ON THE INGRESS SIDE OF THE DRIVE AISLE IF THERE IS TWO WAY

4. THE CIRCLE DIRECTIONAL ARROW SHOULD BE CENTERED ABOVE THE WORD 'DRIVE' APPROX. 5' IN TO

THE PARKING LOT. IF FIVE OR MORE ARROWS ARE NEEDED TO DIRECT CARS TO THE DRIVE-THRU, PLAN THE CORRECT PLACEMENT OF THE ARROWS TO INCLUDE THE APPLICATION OF THE WORDS 'DRIVE THRU' WITH AN ARROW CENTERED ABOVE THE WORD 'DRIVE,' ORIENTED TO THE DECISION

6. THE DOUBLE-HEADED ARROW FOR A SIDE-BY-SIDE DRIVE-THRU SHOULD BE POSITIONED TO DIRECT TRAFFIC TO EITHER LANE, AS CARS APPROACH TO THE ISLAND. EACH ARROW MUST BE CUSTOMIZED TO FIT THE LANE CONFIGURATION.



6" YELLOW PAINT STRIPE

DOUBLE HEADED DRIVE-THRU ARROW

PAVEMENT ARROWS

NOT TO SCALE

DIRECTIONAL ARROW TEMPLATES

NOT TO SCALE

NOT TO SCALE

PAVEMENT BRANDING

END OF PATH THANK YOU

407-339-9342 (FAX)

NOT TO SCALE

ALONG EDGE OF

DRIVE THRU LANE

NOT TO SCALE

#### DRIVE THRU SIDE BY SIDE STANDARD B NOT TO SCALE

1. VERIFY CONDUIT SIZES AND LAYOUT WITH DETECTOR LOOP MANUFACTURER.

2. CENTER VEHICLE DETECTOR LOOP (ITEM # 217.11E1) IN DRIVE THRU LANE. INSTALL PER MANUFACTURERS RECOMMENDATIONS.

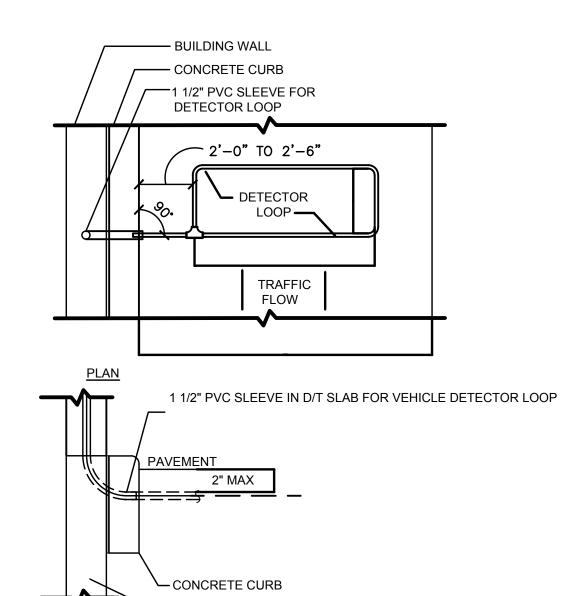
3. SEE CIVIL FOR DIMENSIONS OF DRIVE-THRU LANE CONCRETE PAD

4. NO STEEL (REBAR OR ELECTRICAL WIRE) SHALL BE USED WITHIN 2'

5. <u>DETECTOR LOOP MANUFACTURERS:</u> DETECTOR LOOPS MAY BE BY ONE OF THE FOLLOWINGS COMPANIES OR EQUAL. 3M: 1-800-328-0033 HME: 1-800-848-4468

PVC TUBING 1/2" I.D. 100 PSI LOOP MADE FROM ONE LENGTH OF THIN FOURTEEN GAUGE STRANDED WIRE. LEAD-IN IS PRE-TWISTED AT FACTORY.

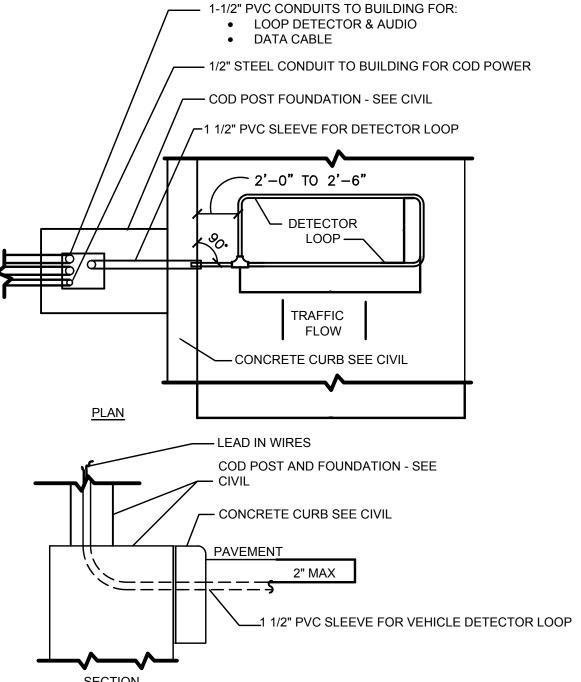
DETECTOR LOOP CONSTRUCTION:
FORMED WITH ONE CONTINUOUS LENGTH OF PVC WITH NO SHARP CORNERS AS DETAILED. WIRE LOOPED, FORMED, & PIGTAILED AS



B - DT WINDOW DETECTOR LOOP

— FOUNDATION WALL

**SECTION** 



A - C.O.D. DETECTOR LOOP

2' SOLID PAINTED BAR 1' TO BOTTOM OF BAR WHITE TRAFFIC PAINT PER SPECIFICATIONS

PROVIDE STRIPING IN ACCORDANCE WITH MUTCD SPECIFICATIONS. STOP BARS PROPOSED FOR KYTC ROW ARE TO BE THERMOPLASTIC.

STOP BAR PAVEMENT MARKING DETAIL

NOT TO SCALE

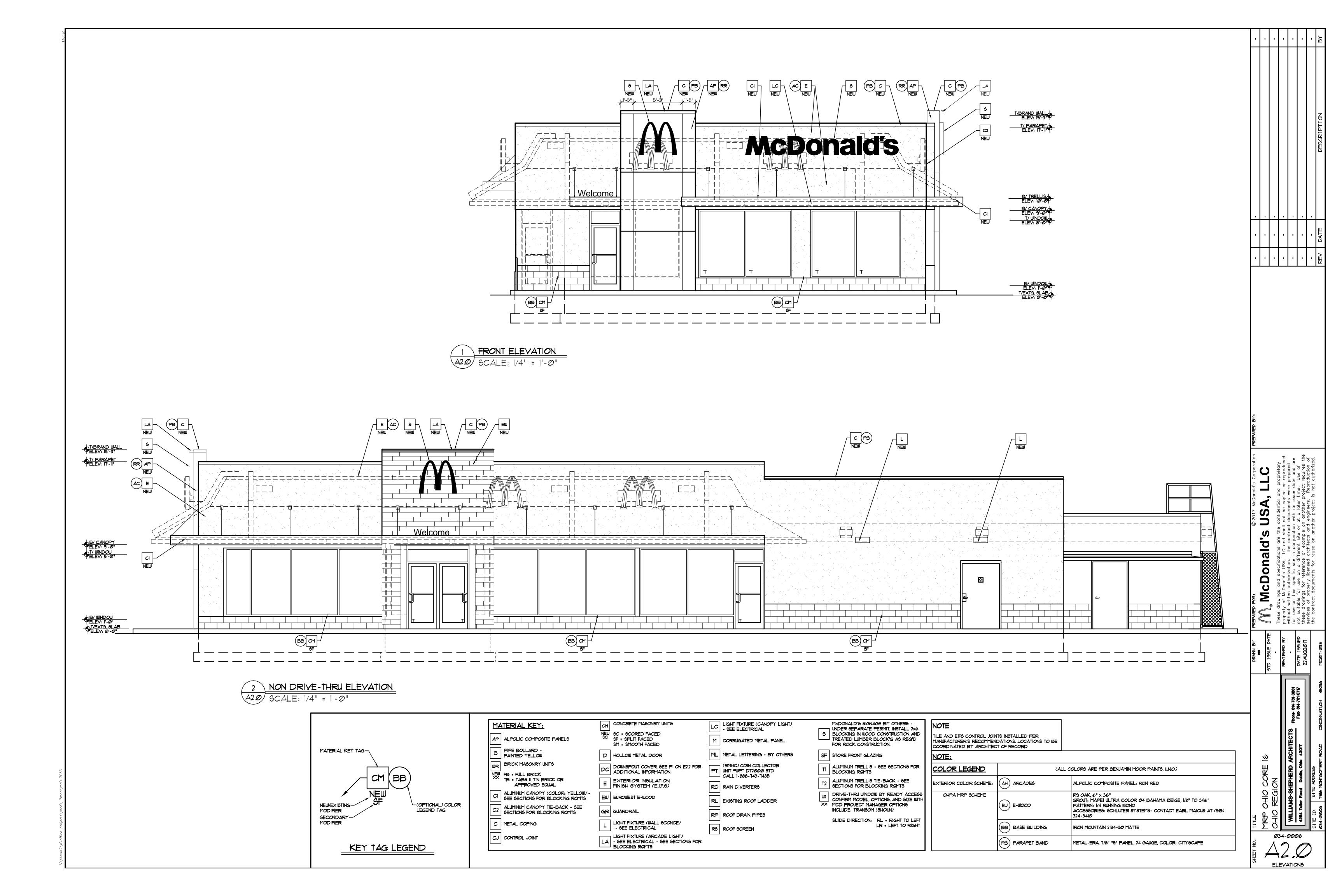
rietary produce pared ind are intest the tion of toriz

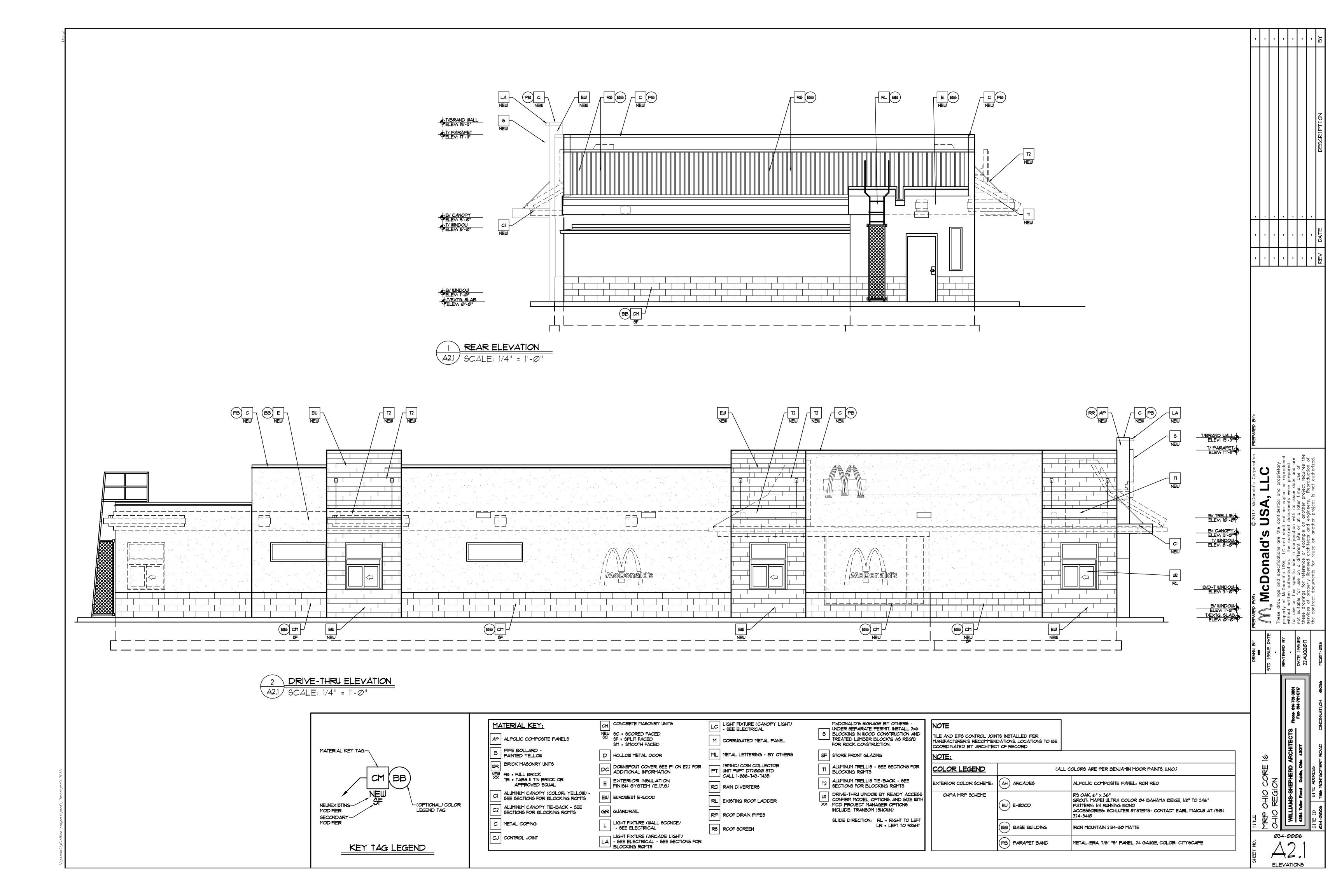
**McDonald's** 

SITE STRIPING

## **DETECTOR LOOP DETAILS**

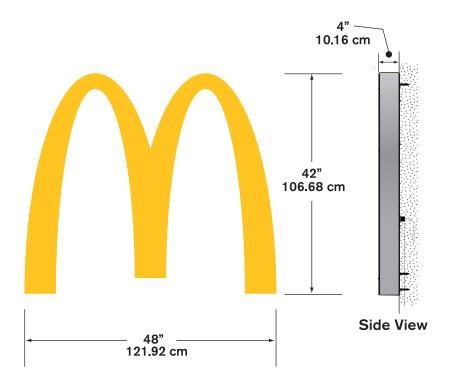
NOT TO SCALE











**Illumination:** LED

**Electrical:** .35 AMPS

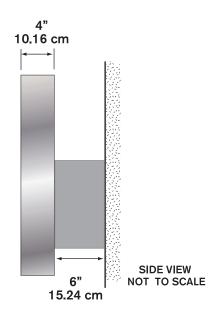
**Ballast:** (1) OSRAM OT75-120-277-24

Ship Weight:









**Illumination:** LED

**Electrical:** 1.6 AMPS

Power Supply: (1) Amperor ANP90-30P1

Ship Weight:





**Illumination:** N/A

Ship Weight: 16 lbs.

Other: 3/4" thickness cutout

aluminum letters.



### G10 – Single Unit







CHARCOAL

#### G10 – Single Unit





#### CHARCOAL

#### G10 – Double Unit

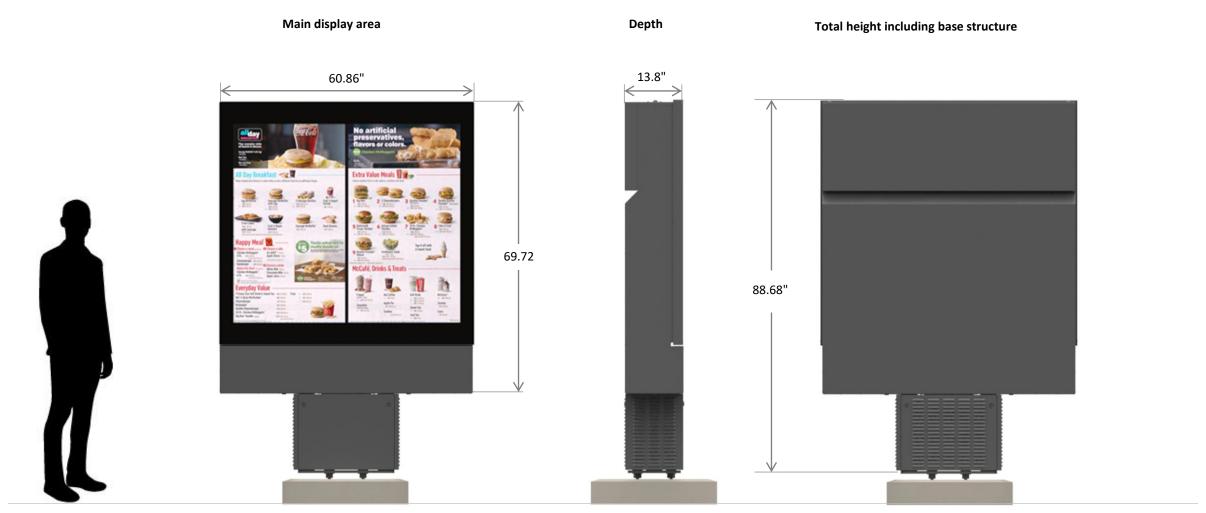






#### G10 – Double Unit

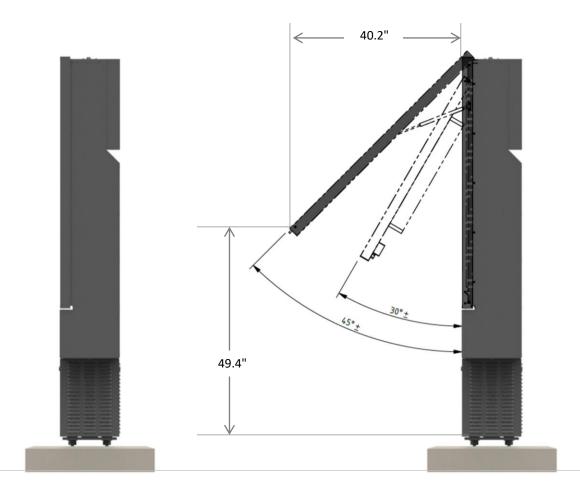




CHARCOAL

#### G10 – Opening Angle





CHARCOAL



