



STATE SITE CODE: 32-0204
GBL NUMBER: 195500288475
CSD PROJECT NUMBER: MCD-1221

SITE INFORMATION	
SITE ADDRESS:	6860 MARKET STREET
PARCEL ID:	R04400-006-005-000
OWNER / CLIENT:	McDONALD'S USA, LLC 6903 ROCKLEDGE DRIVE SUITE 1100 BETHESDA, MD. 20817
DESIGNER:	COMMERCIAL SITE DESIGN, PLLC 8312 CREEDEMOR ROAD RALEIGH, NORTH CAROLINA 27613 TEL: (919) 848-6121, FAX: (919) 848-3741
ZONING:	RB-REGIONAL BUSINESS
EXISTING USE:	RESTAURANT W / DRIVE-THRU
PROPOSED USE:	RESTAURANT W / DRIVE-THRU
BUILDING SETBACKS FRONT (MARKET STREET): CORNER (GORDON ROAD):	<u>REQUIRED</u> 25 FEET 25 FEET <u>PROPOSED</u> 92.85 FEET 60.82 FEET
MINIMUM PARKING REQUIREMENTS:	1 SPACE PER 4 SEATS OR 1 SPACE PER 80 SF GFA (MINUS KITCHEN AND BATHROOMS) 2,430 / 80 = 30 SPACES REQUIRED 67 SEATS / 4 = 17 SPACES
MAXIMUM PARKING REQUIREMENTS:	1 SPACE PER 2.5 SEATS OR 1 SPACE PER 65 SF GFA (MINUS KITCHEN AND BATHROOMS) 2,340 / 65 = 36 SPACES MAXIMUM 67 SEATS / 2.5 = 27 SPACES
BICYCLE REQUIREMENTS:	IF MORE THAN 25 PARKS, THEN 5 BICYCLE SPACES WILL BE REQUIRED
PARKING PROVIDED:	33 REGULAR SPACES 2 HANDICAP SPACES 35 TOTAL PARKING SPACES 6 BICYCLE SPACES
SITE AREA (LEASED): DISTURBED AREA: EXISTING IMPERVIOUS AREA: PROPOSED IMPERVIOUS AREA:	40,893 SF OR 0.94 ACRES 41,489 SF OR 0.95 ACRES 33,762 SF OR 0.78 ACRES 32,333 SF OR 0.74 ACRES
EXISTING BUILDING AREA:	4,474 SF
PROPOSED BUILDING AREA:	4,523 SF - TYPE VB
BUILDING LOT COVERAGE:	11.1%
BUILDING HEIGHT:	18' - 9"
CAMA LAND USE CLASS:	WATER RESOURCE PROTECTION AREA

ZONING:
CITY OF WILMINGTON PLANNING
DEPARTMENT
305 CHESTNUT ST
WILMINGTON, NC 28401
(910) 341-0189

SIGNAGE:
CITY OF WILMINGTON PLANNING
DEPARTMENT
305 CHESTNUT ST
WILMINGTON, NC 28401
(910) 341-0189

BUILDING & INSPECTIONS:
NEW HANOVER COUNTY INSPECTIONS
230 GOVERNMENT CENTER DR #110
WILMINGTON, NC 28403
(910) 798-7354

STREET & HIGHWAY DATA:
NCDOT
300 DIVISION DRIVE
WILMINGTON, 28401
(910) 251-2655

WATER:
CAPE FEAR PUBLIC UTILITY AUTHORITY
235 GOVERNMENT CENTER DRIVE
WILMINGTON, NC 28403
BERNICE JOHNSON
(910) 341-6620

STORM SEWER:
CITY OF WILMINGTON ENGINEERING
102 NORTH THIRD STREET
P.O. BOX 1810
WILMINGTON, NC 28402-1810
(910) 341-5856

SANITARY SEWER:
CAPE FEAR PUBLIC UTILITY AUTHORITY
235 GOVERNMENT CENTER DRIVE
WILMINGTON, NC 28403
BERNICE JOHNSON
(910) 341-6620

CITY OF WILMINGTON FIRE DEPARTMENT
102 NORTH THIRD STREET
WILMINGTON, NC 28402-1810
(910) 343-3918

HVAC:
NEW HANOVER COUNTY INSPECTIONS
230 GOVERNMENT CENTER DR #110
WILMINGTON, NC 28403
(910) 798-7354

GAS:
PIEDMONT NATURAL GAS
CONTACT: CARL PAQUET
(910) 251-2818

ELECTRIC:
PROGRESS ENERGY
CONTACT: BILL WILDER
(910) 383-4042


TELEPHONE:
CENTURY LINK
CONTACT: CUSTOMER SERVICE
(866) 660-1579

HEALTH:
NEW HANOVER COUNTY ENVIRONMENTAL
HEALTH 2029 SOUTH 17th STREET
WILMINGTON, NC 28401
CONTACT: SUSAN WRIGHT (910) 798-6580
swright@nhcgov.com

2nd-City TRC #1 & Brand Review Comments
10-28-2019

1st-PERMIT ISSUE
7-31-2019

DWG. NUMBER	DRAWING DESCRIPTION
C-1	COVER SHEET
C-2	TOPOGRAPHIC SURVEY
C-2a	DEMOLITION PLAN
C-2b	TREE REMOVAL PLAN
C-3	SITE PLAN
C-4	ADA ACCESSIBILITY PLAN AND DETAILS
C-5	GRADING/EROSION CONTROL PLAN
C-5a	NPDES STABILIZATION PLAN
C-5b	NPDES STABILIZATION DETAILS
C-6	UTILITY PLAN
C-7	DETAILS
C-8	DETAILS
C-9	DETAILS
C-10	MENU BOARD DETAILS
C-11	SD DETAILS
L-1	LANDSCAPE PLAN
L-2	LIGHTING PLAN

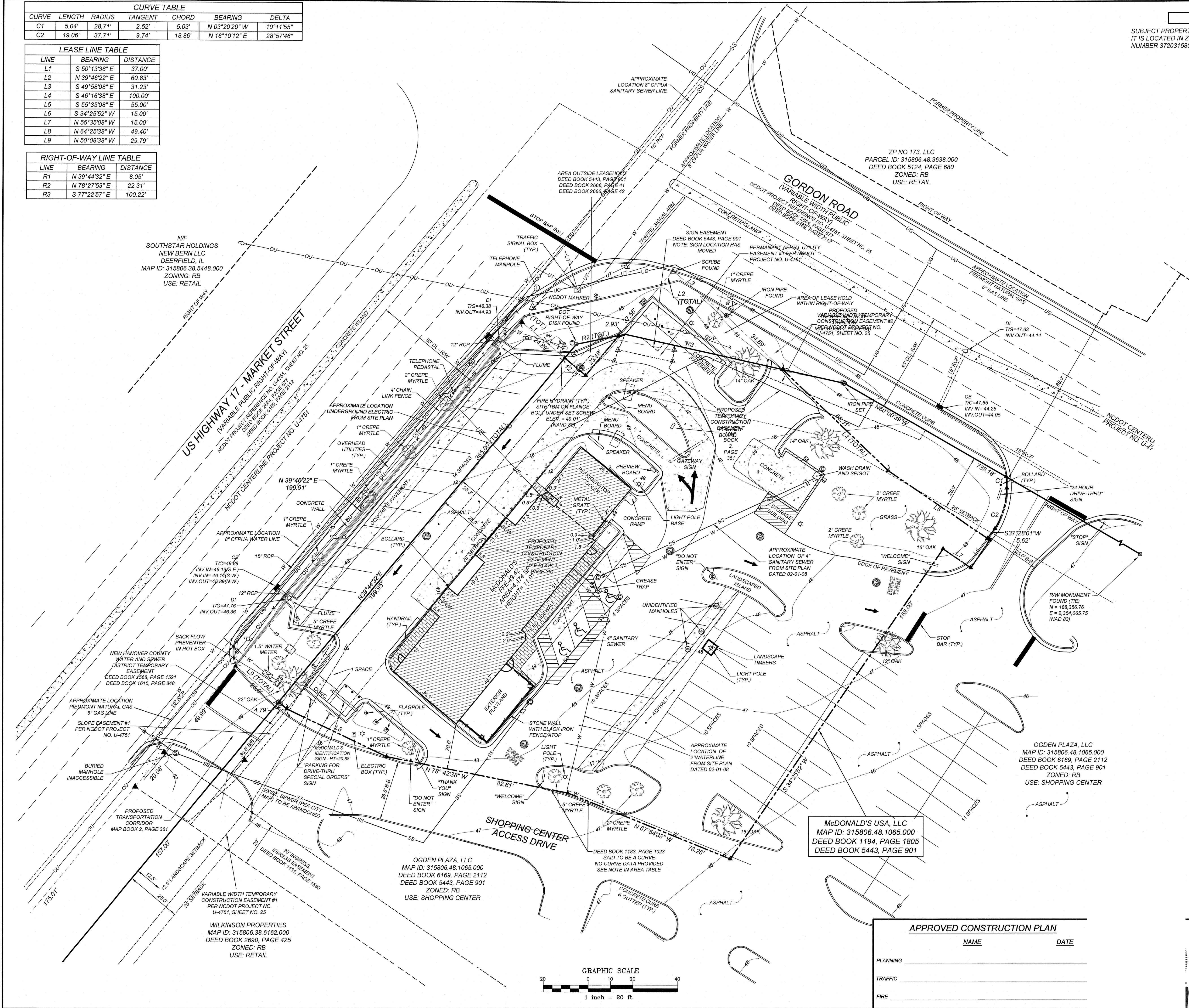
PLAN APPROVAL			McDonald's®		COMMERCIAL SITE DESIGN		REV	DATE	DESCRIPTION	BY	ISSUED/REV
STATUS		SIGNATURE (2 REQUIRED)		DATE	<p>THESE PLANS AND SPECIFICATIONS ARE THE PROPERTY OF McDONALD'S CORPORATION AND SHALL NOT BE REPRODUCED WITHOUT THEIR WRITTEN PERMISSION.</p> <p>McDonald's®</p> <p>COMMERCIAL SITE DESIGN</p> <p>(919) 848-6231 FAX: (919) 848-5241 WWW.CSITEDESIGN.COM</p> <p></p> <p>9874 CREEKNOR POND RALEIGH, NORTH CAROLINA 27603</p>		1	07-31-19	PERMIT ISSUE	DDH	
FINAL	-						2	10-28-19	CITY TRC #1 & BRAND COMMENTS	JWR	
PLAN CHECKED	-										
AS-BUILT	-										
CO-SIGN SIGNATURES					OFFICE	BALTIMORE REGION					

C-1
COVER SHEET

CURVE TABLE						
CURVE	LENGTH	RADIUS	TANGENT	CHORD	BEARING	DELTA
C1	5.04'	28.71'	2.52'	5.03'	N 03°20'20" W	10°11'55"
C2	19.06'	37.71'	9.74'	18.86'	N 16°10'12" E	28°57'46"

LEASE LINE TABLE		
LINE	BEARING	DISTANCE
L1	S 50°13'38" E	37.00'
L2	N 39°46'22" E	60.83'
L3	S 49°58'08" E	31.23'
L4	S 46°16'38" E	100.00'
L5	S 55°35'08" E	55.00'
L6	S 34°25'52" W	15.00'
L7	N 55°35'08" W	15.00'
L8	N 64°25'38" W	49.40'
L9	N 50°08'38" W	29.79'

RIGHT-OF-WAY LINE TABLE		
LINE	BEARING	DISTANCE
R1	N 39°44'32" E	8.05'
R2	N 78°27'53" E	22.31'
R3	S 77°22'57" E	100.22'



FLOOD INFORMATION

SUBJECT PROPERTY IS NOT LOCATED WITHIN A SPECIAL FLOOD HAZARD ZONE. IT IS LOCATED IN ZONE "X" AS DEFINED BY HUD F.I.R.M. COMMUNITY PANEL NUMBER 3720315800K, WITH AN EFFECTIVE DATE OF AUGUST 28, 2018.



Know what's below.
Call before you dig.
nc811.org or 1-800-632-4949

LEGEND

▲ CALCULATED POINT	AC = ACRES
● EXISTING IRON PIPE	ACSM = AMERICAN CONGRESS ON SURVEYING AND MAPPING
○ BORE HOLE	ALTA = AMERICAN LAND TITLE ASSOCIATION
○ IRON PIPE SET	B.M. = BOOK OF MAPS
○ SANITARY SEWER MANHOLE	EIP = EXISTING IRON PIPES
○ SANITARY SEWER CLEANOUT	ELEV = ELEVATION
○ WATER VALVE	FIRM = FLOOD INSURANCE RATE MAP
○ WATER METER	GPS = GLOBAL POSITIONING SYSTEM
○ FIRE HYDRANT	HUD = HOUSING URBAN DEVELOPMENT
○ TELEPHONE PEDESTAL	HYD = FIRE HYDRANT
○ TELEPHONE MANHOLE	INV = INVERT
○ ELECTRIC BOX	IPS = IRON PIPE SET
○ LIGHT POLE	LLC = LIMITED LIABILITY COMPANY
○ POWER POLE	MPH = MILES PER HOUR
○ CURB INLET	MSL = MEAN SEA LEVEL
○ STORM DRAINAGE MANHOLE	NF = NOW OR FORMERLY
○ YARD INLET	NSPS = NATIONAL SOCIETY OF PROFESSIONAL SURVEYORS
----- STORM DRAIN	NTS = NOT TO SCALE
--- OVERHEAD UTILITIES	R.C.P. = REINFORCED CONCRETE PIPE
--- UNDERGROUND ELECTRIC	RFW = RIGHT-OF-WAY
--- UNDERGROUND TELEPHONE	SF = SQUARE FOOT
--- WATER LINE	S.R. = STATE ROAD
--- SANITARY SEWER LINE	TBM = TEMPORARY BENCH MARK
--- GAS LINE	TWSP = TOWNSHIP
--- FENCE LINE	TYP = TYPICAL

SURVEY INFORMATION

PREPARED BY: COMMERCIAL SITE DESIGN, PLLC
8312 CREEDMOOR ROAD
RALEIGH, NORTH CAROLINA 27613
PHONE: (919) 848-0121, FAX: (919) 848-3741
DATE OF ORIGINAL FIELD SURVEY: MAY 9, 2019

PLAN SCALE: 1" = 20'

STREET ADDRESS

6860 MARKET STREET

CITY	STATE
WILMINGTON	NORTH CAROLINA
COUNTY	
NEW HANOVER	
TAX PARCEL NUMBER	LOCATION CODE NUMBER
315806.48.1065.000	32-0204
CSD FILENAME:	
MCD1221-TS	

APPROVED CONSTRUCTION PLAN

NAME DATE

PLANNING	
TRAFFIC	
FIRE	

REV	DATE	DESCRIPTION	BY	ISSUED
1	07-31-19	PERMIT ISSUE	DDH	
2	10-28-19	CITY TRC #1 & BRAND COMMENTS	JWR	

COMMERCIAL SITE DESIGN



(919) 848-0121, FAX: (919) 848-3741
WWW.CSITEDSIGN.COM

McDonald's®

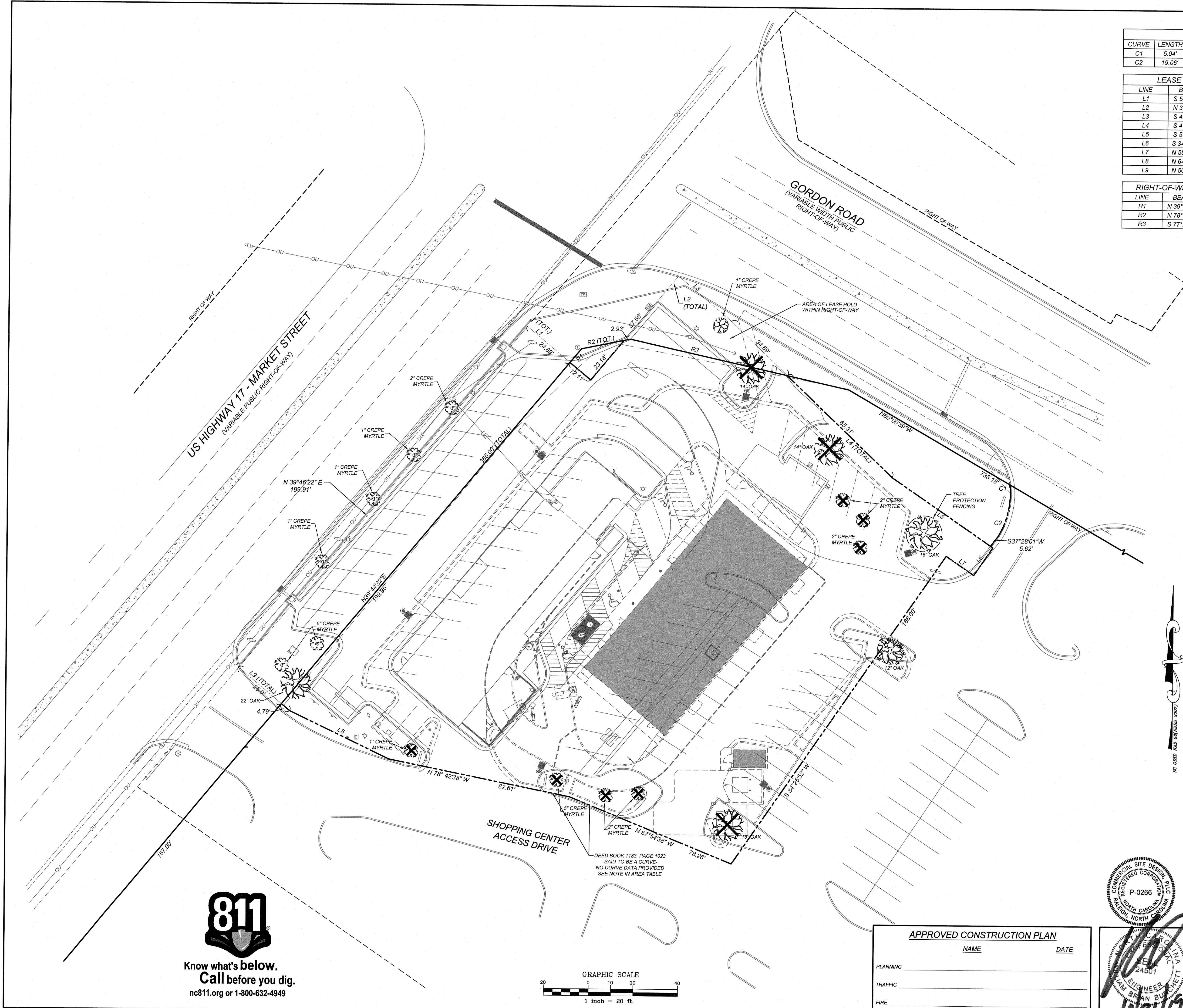
THESE PLANS AND SPECIFICATIONS ARE THE PROPERTY OF MCDONALD'S CORPORATION AND SHALL NOT BE REPRODUCED WITHOUT THEIR WRITTEN PERMISSION

BALTIMORE REGION
6860 ROCKLEDGE DRIVE - SUITE 1100 - BETHESDA, MD. 20817

OFFICE ADDRESS

PLAN APPROVAL	SIGNATURE (IF REQUIRED)	DATE
REGIONAL MGR.		
REGIONAL DEV. DIRECTOR		
REGIONAL CONSTRUCTION MGR.		
REGIONAL REAL ESTATE MGR.		
CO-SIGN SIGNATURES		
AREA CONSTRUCTION MGR.		
CONTRACTOR		
STATUS	DATE	BY
FINAL	-	-
PLAN CHECKED	-	-
AS-BUILT	-	-

C-2
TOPOGRAPHIC
SURVEY



CURVE TABLE						
CURVE	LENGTH	RADIUS	TANGENT	CHORD	BEARING	DELTA
C1	5.04'	28.71'	2.52'	5.03'	N 03°20'20" W	10°11'55"
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LEGEND

✕ EXISTING TREE TO BE REMOVED

NOTE: TREES SHOWN IN RIGHT-OF-WAY ARE TO BE REMOVED WITH THE PROPOSED ROAD IMPROVEMENTS.

▲

 CALCULATED POINT

●

 EXISTING IRON PIPE

○

 BORE HOLE

○

 IRON PIPE SET

○

 SANITARY SEWER MANHOLE

○

 SANITARY SEWER CLEANOUT

○

 WATER VALVE

○

 WATER METER

○

 FIRE HYDRANT

○

 TELEPHONE PEDESTAL

○

 TELEPHONE MANHOLE

○

 ELECTRIC BOX

○

 LIGHT POLE

○

 POWER POLE

○

 CURB INLET

○

 STORM DRAINAGE MANHOLE

○

 YARD INLET

○

 STORM DRAIN

○

 OVERHEAD UTILITIES

○

 UNDERGROUND ELECTRIC

○

 UNDERGROUND TELEPHONE

○

 WATER LINE

○

 SANITARY SEWER LINE

○

 GAS LINE

○

 FENCE LINE

AC

 = ACRES

ACSM

 = AMERICAN CONGRESS ON SURVEYING AND MAPPING

ALTA

 = AMERICAN LAND TITLE ASSOCIATION

B.M.

 = BOOK OF MAPS

EIP

 = EXISTING IRON PIPES

ELEV

 = ELEVATION

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 = FLOOD INSURANCE RATE MAP

GPS

 = GLOBAL POSITIONING SYSTEM

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NTS

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S.R.

 = STATE ROAD

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 = TEMPORARY BENCH MARK

TWSP

 = TOWNSHIP

TYP

 = TYPICAL

SURVEY INFORMATION

PREPARED BY: COMMERCIAL SITE DESIGN, PLLC
8312 CREEDMOOR ROAD
RALEIGH, NORTH CAROLINA 27613
PHONE: (919) 848-6121, FAX: (919) 848-3741
DATE OF ORIGINAL FIELD SURVEY: MAY 8, 2019

PLAN SCALE: 1" = 20'

STREET ADDRESS
6860 MARKET STREET

CITY	STATE
WILMINGTON	NORTH CAROLINA
COUNTY NEW HANOVER	
TAX PARCEL NUMBER 315806.48.1065.000	LOCATION CODE NUMBER 32-0204
CSD FILENAME: MCD1221-TREE	

ISSUED BY

DATE

DESCRIPTION

DDH

10-28-19

PERMIT ISSUE

JWR

10-28-19

CITY TRC #1 & BRAND COMMENTS

COMMERCIAL SITE DESIGN

872 CREEDMOOR ROAD
RALEIGH, NORTH CAROLINA 27613
(919) 848-6121 FAX: (919) 848-3741
WWW.CSDESIGN.COM

McDonald's

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PLAN APPROVAL

CO-SIGN SIGNATURES

REGIONAL MGR

REGIONAL DEV. DIRECTOR

REGIONAL CONSTRUCTION MGR

REGIONAL REAL ESTATE MGR

AREA CONSTRUCTION MGR

CONTRACTOR

DATE

DATE

DATE

STATUS

DATE

BY

FINAL

-

-

PLAN CHECKED

-

-

AS-BUILT

-

-

C-2b

TREE REMOVAL PLAN

811
Know what's below.
Call before you dig.
nc811.org or 1-800-632-4949

APPROVED CONSTRUCTION PLAN	
NAME	DATE
PLANNING	
TRAFFIC	
FIRE	

- 1 CONSTRUCT 2" SPILLING CURB AND GUTTER PER DETAIL SHEET
- 2 CONSTRUCT 2" CATCHING CURB AND GUTTER PER DETAIL SHEET
- 3 ASPHALT PAVEMENT PER SOILS REPORT SPECIFICATIONS
- 4 TRANSITION FROM ASPHALT TO CONCRETE PAVEMENT PER DETAIL SHEET
- 5 MATCH EXISTING ASPHALT
- 6 CONSTRUCT STANDARD CONCRETE H.C. RAMP PER DETAIL SHEET
- 6a CONSTRUCT CONCRETE H.C. RAMP PER DOT STANDARDS
- 7 CONSTRUCT FLUSH CONCRETE H.C. RAMP PER DETAIL SHEET
- 8 DELIVERY RAMP
- 9 INSTALL HANDICAP SIGNAGE ON BUILDING PER CITY OF WILMINGTON, SEE DETAIL SHEET
- 9a INSTALL VAN ACCESSIBLE HANDICAP SIGNAGE IN STEEL PIPE BOLLARD WITH IDEAL SHIELD COVER PER ADA ACCESSIBILITY PLAN AND DETAIL SHEET
- 10 PAINT HANDICAP SYMBOL
- 11 PAINT TRAFFIC ARROWS PER DETAIL SHEET
- 12 PAINT 4" WIDE STRIPE, WHITE
- 13 PAINT 4" WIDE STRIPES, WHITE @ 45° 2'-0" O.C.
- 14 BICYCLE RACK PER DETAIL SHEET
- 15 PAINT "DRIVE-THRU" DIRECTIONAL ARROW, YELLOW, COORDINATE WITH McDONALD'S CONSTRUCTION MANAGER
- 15a PAINT DIRECTIONAL ARROW AT DRIVE THRU LANE AND MERGE POINT, YELLOW THERMOPLASTIC, COORDINATE WITH McDONALD'S CONSTRUCTION MANAGER
- 16 PAINT 6" WIDE YELLOW STRIPE ON ASPHALT FROM EDGE OF CONCRETE DRIVE-THRU LANE
- 17 PAINT "THANK YOU" PER DETAIL SHEET
- 18 CONSTRUCT CONCRETE WALK PER McDONALD'S SPECIFICATIONS, CONTRACTOR TO COORDINATE WITH McDONALD'S CONSTRUCTION MANAGER
- 18a CONSTRUCT CONCRETE SIDEWALK PER CITY OF WILMINGTON STANDARD DETAIL SD 3-10
- 19 CONSTRUCT BROOM FINISH ACCESS CONCRETE SIDEWALK PER DETAIL SHEET
- 20 CONCRETE PAD @ DRIVE-THRU AND HANDICAP SPACES PER McDONALD'S STANDARDS AND SPECIFICATIONS, 10" CONTROL JOINTS, 20" EXPANSION JOINTS OR PER SOILS REPORT SPECIFICATIONS, GENERAL CONTRACTOR TO VERIFY WITH McDONALD'S AREA CONSTRUCTION MANAGER PRIOR TO APPLYING BLACK COLORING (OPTIONAL).
- 21 CONCRETE PAD FOR GREASE TRAP, SEE PLUMBING PLANS AND McDONALD'S STANDARDS AND SPECIFICATIONS, GENERAL CONTRACTOR TO VERIFY WITH McDONALD'S AREA CONSTRUCTION MANAGER PRIOR TO APPLYING BLACK COLORING (OPTIONAL).
- 22 CONSTRUCT CONCRETE DUMPSITER PAD PER SOILS REPORT AND McDONALD'S STANDARDS AND SPECIFICATIONS, GENERAL CONTRACTOR TO VERIFY WITH McDONALD'S AREA CONSTRUCTION MANAGER PRIOR TO APPLYING BLACK COLORING (OPTIONAL).
- 23 CONTRACTOR TO INSTALL "PULL FORWARD" SIGNAGE, PER McDONALD'S SPECIFICATIONS
- 24 CONCRETE TRANSFORMER PAD (COORDINATE SIZE AND LOCATION WITH POWER COMPANY)

- 25 CONSTRUCT DUMPSTER ENCLOSURE, 8 FEET HIGH WALLS AND GATES. (TO MATCH BUILDING) PER DETAIL SHEET
- 26 STORAGE SHED (PER DETAIL SHEET), EXTERIOR FINISH TO MATCH DUMPSTER ENCLOSURE
- 27 EXISTING SITE IDENTIFICATION SIGN TO REMAIN
- 28 "PLEASE HAVE MONEY..." SIGN SUPPLIED BY AND INSTALLED BY SIGN CONTRACTOR
- 29 DIRECTIONAL SIGNAGE (PER DETAIL SHEET): GALVANIZED ANCHOR BOLTS, (6" ABOVE GRADE), FOOTINGS AND ELECTRICITY BY GENERAL CONTRACTOR, SIGN INSTALLED BY SIGN CONTRACTOR. CONTRACTOR TO COORDINATE WITH MCDONALD'S CONSTRUCTION MANAGER
- 30 INSTALL "ANY LANE ANYTIME" SIGN. CONTRACTOR SHALL COORDINATE WITH MCDONALD'S CONSTRUCTION MANAGER
- 31 POLE MOUNTED AREA LIGHTS) SEE LIGHTING PLAN. GALVANIZED ANCHOR BOLTS, (6" ABOVE GRADE), FOOTINGS BY GENERAL CONTRACTOR, POLE INSTALLED BY SIGN CONTRACTOR. CONTRACTOR TO COORDINATE WITH MCDONALD'S CONSTRUCTION MANAGER
- 32 MENU BOARD (PER DETAIL SHEET): GALVANIZED ANCHOR BOLTS, (6" ABOVE GRADE), FOOTINGS AND ELECTRICITY BY GENERAL CONTRACTOR, SIGN INSTALLED BY SIGN CONTRACTOR. CONTRACTOR TO COORDINATE WITH MCDONALD'S CONSTRUCTION MANAGER
- 33 VERTICAL PAVING "PRE-SELL" BOARD (PER DETAIL SHEET): GALVANIZED ANCHOR BOLTS, (6" ABOVE GRADE), FOOTINGS AND ELECTRICITY BY GENERAL CONTRACTOR, SIGN INSTALLED BY SIGN CONTRACTOR. CONTRACTOR TO COORDINATE WITH MCDONALD'S CONSTRUCTION MANAGER
- 34 CUSTOMER ORDER DISPLAY WITH DETECTOR LOOP (PER DETAIL SHEET): GALVANIZED ANCHOR BOLTS, (6" ABOVE GRADE), FOOTINGS AND ELECTRICITY BY GENERAL CONTRACTOR. SIGN INSTALLED BY SIGN CONTRACTOR. CONTRACTOR TO COORDINATE WITH MCDONALD'S CONSTRUCTION MANAGER
- 35 DRIVE-THRU CANTOP (PER DETAIL SHEET): GALVANIZED ANCHOR BOLTS, (6" ABOVE GRADE), FOOTINGS AND ELECTRICITY BY GENERAL CONTRACTOR, SIGN INSTALLED BY SIGN CONTRACTOR. CONTRACTOR TO COORDINATE WITH MCDONALD'S CONSTRUCTION MANAGER
- 36 30'-0" FLAG POLE, ALUMINUM FINISH POLE AND FLAG (PER DETAIL SHEET), GALVANIZED ANCHOR BOLTS, (6" ABOVE GRADE), FOOTINGS BY GENERAL CONTRACTOR, POLE INSTALLED BY SIGN CONTRACTOR. CONTRACTOR TO COORDINATE WITH MCDONALD'S CONSTRUCTION MANAGER
- 37 STEEL PIPE BOLLARD PER DETAIL SHEET
- 38 HANDRAIL, SEE ARCHITECTURAL PLANS
- TELEPHONE MAN/HOL

- (39) 6" VERTICAL HEADER CURB PER DETAIL SHEET
- (40) GATEWAY SIGN (PER DETAIL SHEET); GALVANIZED ANCHOR BOLTS, (6" ABOVE GRADE), FOOTINGS AND ELECTRICITY BY GENERAL CONTRACTOR TO COORDINATE WITH McDONALD'S CONSTRUCTION MANAGER.
- (41) ADA COMPLIANT DETECTABLE / TACTILE WARNING SURFACE
- (42) 1" TALL HEADER CURB ADJACENT TO BUILDING AT DRIVE THRU. (SEE DETAIL)
- (43) NCDOT STANDARD CURB AND GUTTER (MATCH EXISTING)
- (44) MATCH EXISTING CONCRETE SIDEWALK
- (45) PAINT 24" STOP BAR PER MUTCD AND DOT STANDARDS
- (46) CONCRETE FLUME, SEE DETAIL SHEET.
- (47) MATCH EXISTING CURB AND GUTTER
- (48) PAINT CROSSWALK PER DETAIL SHEET
- (49) GODEN PLAZA MULTI-TENANT SIGN TO BE INSTALLED BY SHOPPING CENTER OWNER, COORDINATE WITH McDONALD'S ACM AND SHOPPING CENTER OWNER (SEE CONTRACT TO PERMIT EACH SIGN AND LOCATION)
- (50) NOSE DOWN CURB
- (51) 30' X 70' SIGN TRIANGLE, CONTRACTOR TO INSURE ALL PROPOSED VEGETATION WITHIN TRIANGLES SHALL NOT INTERFERE WITH CLEAR VISION SIGHT LINES FROM 30' TO 10'.
- (52) INSTALL "DO NOT ENTER" SIGNS PER MUTCD STANDARDS
- (53) WHEELSTOP

- all times during construction
2. Landscaping or parking cannot block or impede fire hydrants. A 3-foot clear space shall be maintained around the circumference of the hydrant.
3. Additional fire protection and accessibility requirements may be required due to any special circumstances concerning the project.
4. Contractor shall submit a Radio Signal Strength Study for all commercial buildings that demonstrates that existing emergency responder radio signal levels meet the requirements of Section 510 of the 2018 NC Fire Code.

- thermoplastic and meet City and/or NCDOT standards. [Detail SD 11-03 and SD 15-13 CoWt Tech Sids]
2. All signs and pavement markings in areas open to public traffic are to meet MUTCD (Manual on Uniform Traffic Control Devices) standards. [Detail SD 15-13 CoWt Tech Sids]
3. All traffic control signs and markings off the right-of-way are to be maintained by the property owner in accordance with MUTCD standards.
4. Any broken or missing sidewalk panels, driveway panels and curbing will be replaced.
5. A utility cut permit is required for each open cut of a City street. Note this on the plan and contact 341-5988 for more details. In certain cases an entire resurfacing of the area being open cut may be required.

SITE ADDRESS:	8660 MARKET STREET	
PARCEL ID:	R04400-006-005-000	
OWNER / CLIENT:	McDONALD'S USA, LLC 6903 ROCKLEDGE DRIVE SUITE 1100 BETHESDA, MD, 20817	
DESIGNER:	COMMERCIAL SITE DESIGN, PLLC 8312 CREEDMOOR ROAD RALEIGH, NORTH CAROLINA 27613 TEL: (919) 848-6121; FAX: (919) 848-3741	
ZONING:	RB-REGIONAL BUSINESS	
EXISTING USE:	RESTAURANT W / DRIVE-THRU	
PROPOSED USE:	RESTAURANT W / DRIVE-THRU	
BUILDING SETBACKS FRONT (MARKET STREET): CORNER (GORDON ROAD):	REQUIRED	PROPOSED
	25 FEET	92.85 FEET
	25 FEET	60.82 FEET
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SITE AREA (LEASED): DISTURBED AREA: EXISTING IMPERVIOUS AREA: PROPOSED IMPERVIOUS AREA:	40,893 SF OR 0.94 ACRES 11,489 SF OR 0.26 ACRES 33,762 SF OR 0.78 ACRES 32,333 SF OR 0.74 ACRES	
EXISTING BUILDING AREA:	4,474 SF	
PROPOSED BUILDING AREA:	4,523 SF - TYPE VB	
BUILDING LOT COVERAGE:	11.1%	
BUILDING HEIGHT:	18' - 9"	
CAMA LAND USE CLASS:	WATER RESOURCE PROTECTION AREA	

THE CONTRACTOR SHALL VERIFY LOCATION AND ELEVATION OF ALL UNDERGROUND UTILITIES. THE LOCATION OF ALL EXISTING UTILITIES ARE NOT NECESSARILY SHOWN ON THE PLANS AND WHERE SHOWN ARE NOT NEARLY APPROXIMATE. THE CONTRACTOR SHALL, ON HIS INITIATIVE AND AT NO EXTRA COSTS HAVE LOCATED ALL UNDERGROUND LINES AND STRUCTURES AS NECESSARY. NO CLAIMS FOR DAMAGE TO UTILITY OR OTHER PROPERTY SHALL BE MADE TO THE CONTRACTOR FROM THE PRESENCE OF SUCH PIPE. OTHER OBSTRUCTIONS OR FROM ANY DELAY DUE TO REMOVAL OR REARRANGEMENT OF THE SAME. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO UNDERGROUND UTILITIES. IF THE CONTRACTOR HAS ANY DOUBTS AS TO THE LOCATION OF NON-SUBSCRIBING UTILITIES, THE CONTRACTOR(S) SHALL CONTACT NORTH CAROLINA 811 OR CALL 1-800-4-A-HEAD FOR ASSISTANCE IN LOCATING EXISTING UTILITIES. SHALL CALL AT LEAST 48 HOURS PRIOR TO ANY DIGGING.

THE LOCATIONS OF ALL UTILITIES SHOWN ON THESE PLANS ARE BASED ON THE AVAILABLE INFORMATION. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF UTILITIES WITH THE UTILITY OWNERS PRIOR TO COMMENCEMENT OF CONSTRUCTION.

PRIOR TO STARTING CONSTRUCTION, THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED. NO CONSTRUCTION OR FACILITIES SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED ALL PLANS AND ANY OTHER DOCUMENTATION FROM ALL OF THE PERMITTING AND ANY OTHER REGULATORY AUTHORITIES. FAILURE OF THE CONTRACTOR TO FOLLOW THIS PROCEDURE SHALL CAUSE THE CONTRACTOR TO BE RESPONSIBLE FOR ANY AND ALL CONSEQUENCES OF ANY ACTION OR INACTION BY ANY REGULATORY AUTHORITY. ALL CONSTRUCTION TO BE IN ACCORDANCE WITH PERMITS ISSUED AND APPLICABLE STATE, COUNTY AND LOCAL CODES.

THE GENERAL CONTRACTOR SHALL CONTACT ALL OWNERS OF EASEMENTS, UTILITIES AND RIGHT-OF-WAYS, PUBLIC OR PRIVATE, PRIOR TO WORKING IN THESE AREAS. ACCESS SHALL BE LIMITED UNTIL PERMISSION IS GRANTED.

CONTRACTOR SHALL MAINTAIN THE SITE IN A MANNER SO THAT WORKMEN AND PUBLIC SHALL BE PROTECTED FROM INJURY, AND ADJOINING PROPERTY PROTECTED FROM DAMAGE.

CONTRACTOR IS RESPONSIBLE FOR DAMAGE TO ANY EXISTING ITEM AND/OR MATERIAL INSIDE OR OUTSIDE CONTRACT LIMITS DUE TO CONSTRUCTION OPERATIONS.

ALL SITE DIMENSIONS ARE TO THE FACE OF CURB, UNLESS OTHERWISE NOTED.

THE GENERAL CONTRACTOR SHALL KEEP THE AREA OUTSIDE THE "CONSTRUCTION LIMITS" BROOM CLEAN AT ALL TIMES AND REMOVE ALL TRASH AND DEBRIS FROM THE SITE UPON COMPLETION OF THE PROJECT AND AT LEAST ONE WEEK DURING CONSTRUCTION.

BEFORE COMMENCEMENT OF WORK, THE CONTRACTOR SHALL REVIEW ALL PLANS AND SPECIFICATIONS AND THE JOB SITE. THE CONTRACTOR SHALL NOTIFY THE OWNER AND THE ENGINEER WHO PREPARED THE PLANS OF ANY DISCREPANCIES THAT MAY REQUIRE. MODIFICATIONS TO THESE PLANS OR OF ANY FIELD CONDITIONS.

ALL PERMITS RELATIVE TO THE PROJECT MUST BE OBTAINED, PRIOR TO CONSTRUCTION, ALL CONSTRUCTION TO BE IN ACCORDANCE WITH PERMITS ISSUED AND APPLICABLE STATE, COUNTY AND LOCAL CODES.

ALL WORK IN RIGHT-OF-WAY SHALL BE PERFORMED IN ACCORDANCE WITH THE "CURRENT EDITION OF THE STATE DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIALS SPECIFICATIONS".

THE CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONNEL AND PROPERTY. THE REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY, AND HOLD THE OWNER AND DESIGN PROFESSIONAL HARMLESS OF ANY AND ALL LIABILITY, REAL OR CONSTRUCTIVE, THAT MAY BE ASSERTED AGAINST THE OWNER OR DESIGN PROFESSIONAL EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR DESIGN PROFESSIONAL.

SUBJECT PROPERTY IS NOT LOCATED WITHIN A SPECIAL FLOOD HAZARD ZONE. IT IS LOCATED IN ZONE "X" AS DEFINED BY HUD F.I.R.M. COMMUNITY PANEL NUMBER 3720319800C, WITH AN EFFECTIVE DATE OF AUGUST 28, 2018.

ALL SITE CONCRETE INCLUDING SIDEWALKS, CURBS & GUTTER, DUMPS/TER PAD, AND CONCRETE PAVEMENT IS TO BE TREATED WITH WATER REPELLANT CEMENT SEALER TO PROTECT THE SURFACES FROM SPALLING AND DAMAGE FROM CHEMICAL ATTACK OF CHLORIDE SALTS. SEALER SHOULD BE APPLIED TO ALL EXPOSED CONCRETE SURFACES. RECOMMENDATIONS INCLUDE PROSOCC-SALT GUARDOR V-SEAL, 102 WINTERGUARD.

[illegible]

(919) 848-6121, FAX: (919) 848-3741
WWW.CSITEDESIGN.COM

12 CREEDMOOR ROAD
ALEIGH, NORTH CAROLINA 27613

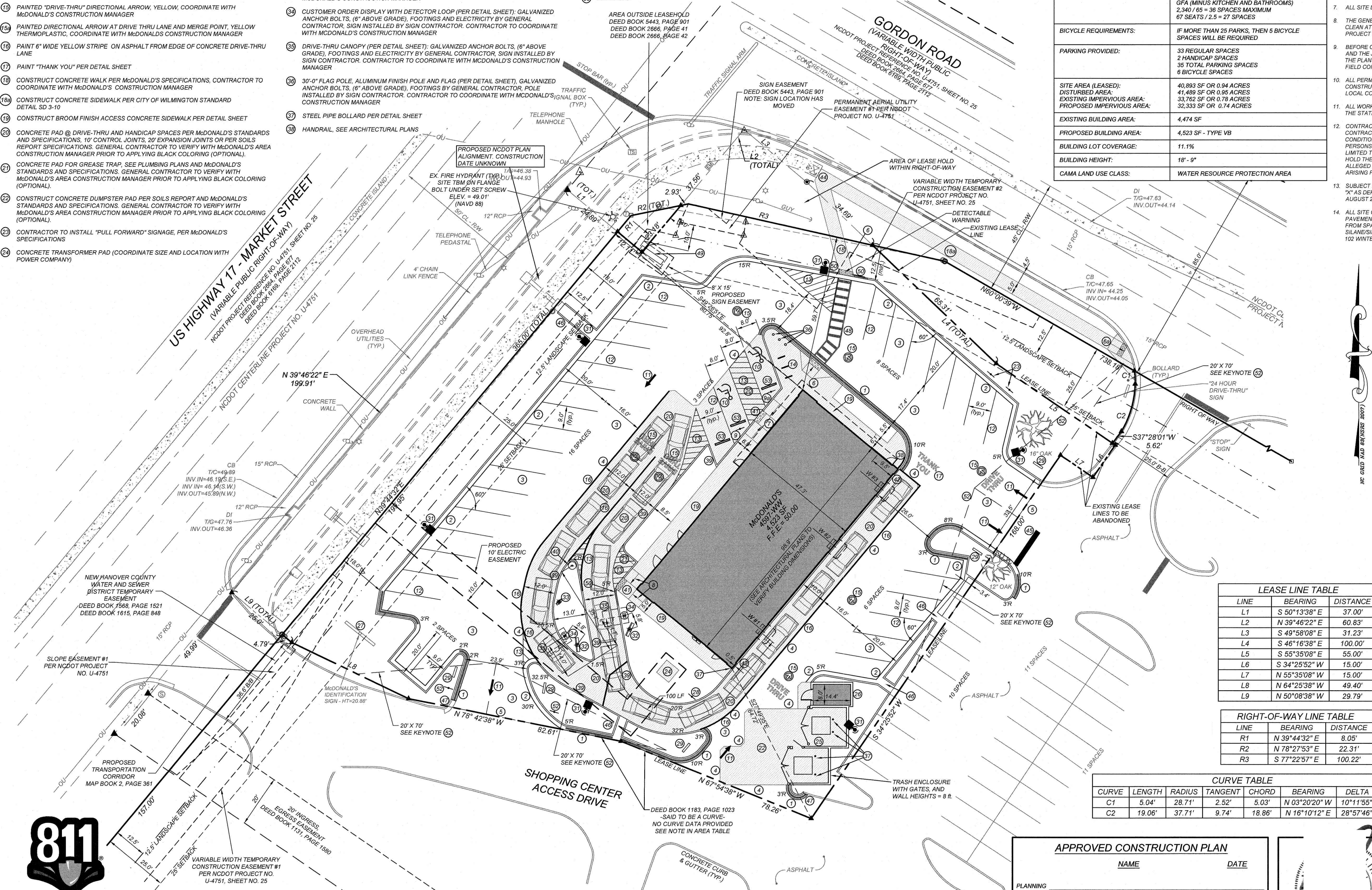
Received 10 June 2004; accepted 10 June 2004; first published online 10 June 2004

[illegible]

	SIGNATURES
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CO

E	
N	



LINE	BEARING	DISTANCE
L1	S 50°13'38" E	37.00'
L2	N 39°46'22" E	60.83'
L3	S 49°58'08" E	31.23'
L4	S 46°16'38" E	100.00'
L5	S 55°35'08" E	55.00'
L6	S 34°25'52" W	15.00'
L7	N 55°35'08" W	15.00'
L8	N 64°25'38" W	49.40'
L9	N 50°08'38" W	29.79'

<i>LINE</i>	<i>BEARING</i>	<i>DISTANCE</i>
<i>R1</i>	<i>N 39°44'32" E</i>	<i>8.05'</i>
<i>R2</i>	<i>N 78°27'53" E</i>	<i>22.31'</i>
<i>R3</i>	<i>S 77°22'57" E</i>	<i>100.22'</i>

CURVE	LENGTH	RADIUS	TANGENT	CHORD	BEARING	DELTA
C1	5.04'	28.71'	2.52'	5.03'	N 03°20'20" W	10°11'55"
C2	19.06'	37.71'	9.74'	18.86'	N 16°10'12" E	28°57'46"

CURVE TABLE				
CURVE	LENGTH	RADIUS	TANGENT	CHORD
C1	5.04'	28.71'	2.52'	5.03'
C2	19.06'	37.71'	9.74'	18.86'

NAME DATE

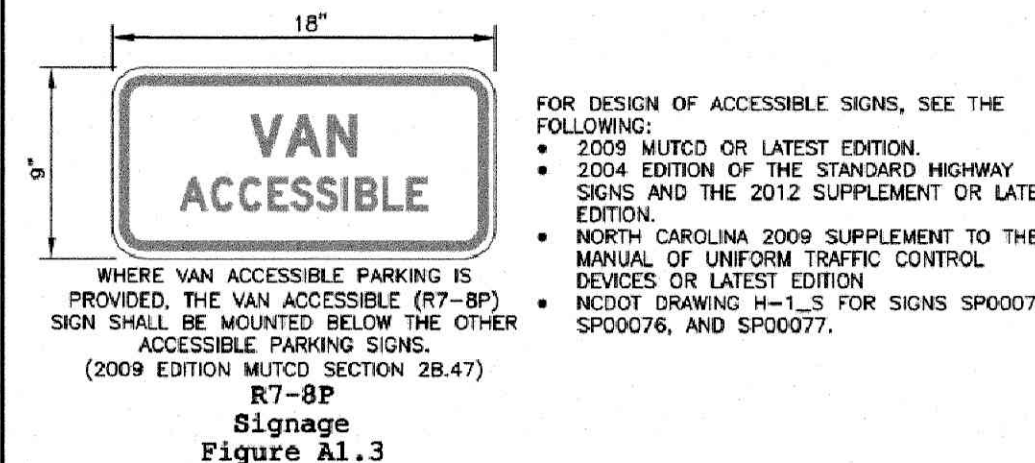
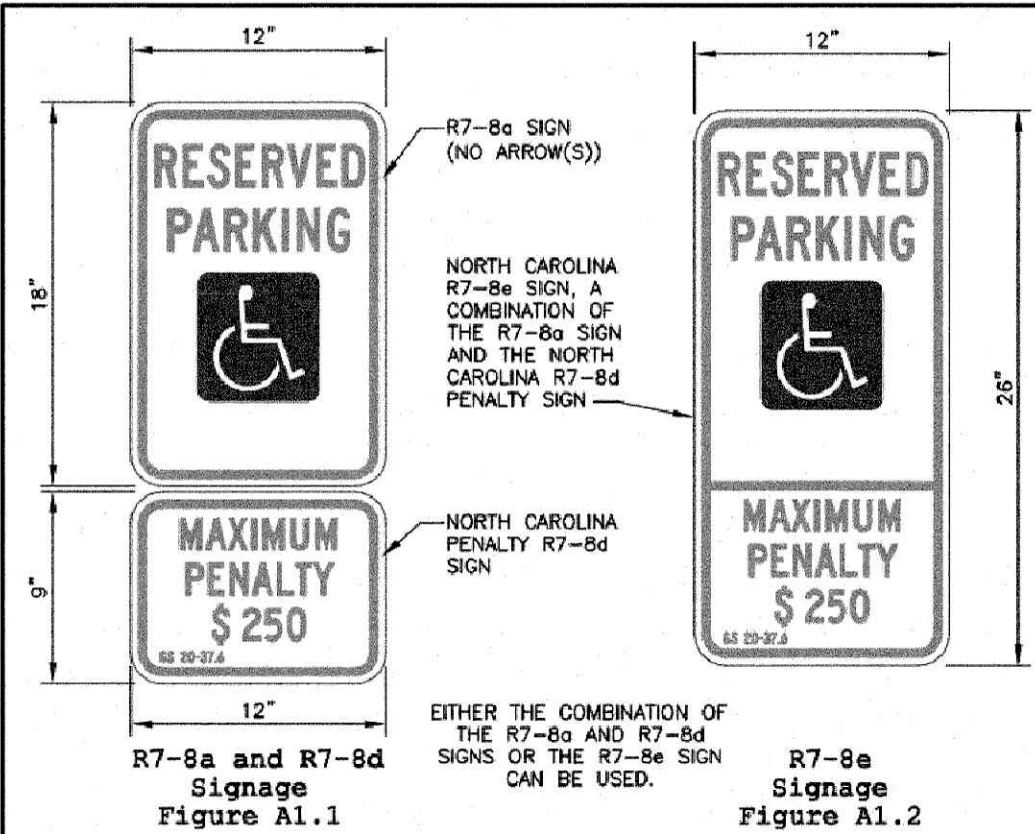
PLANNING _____

TRAFFIC _____

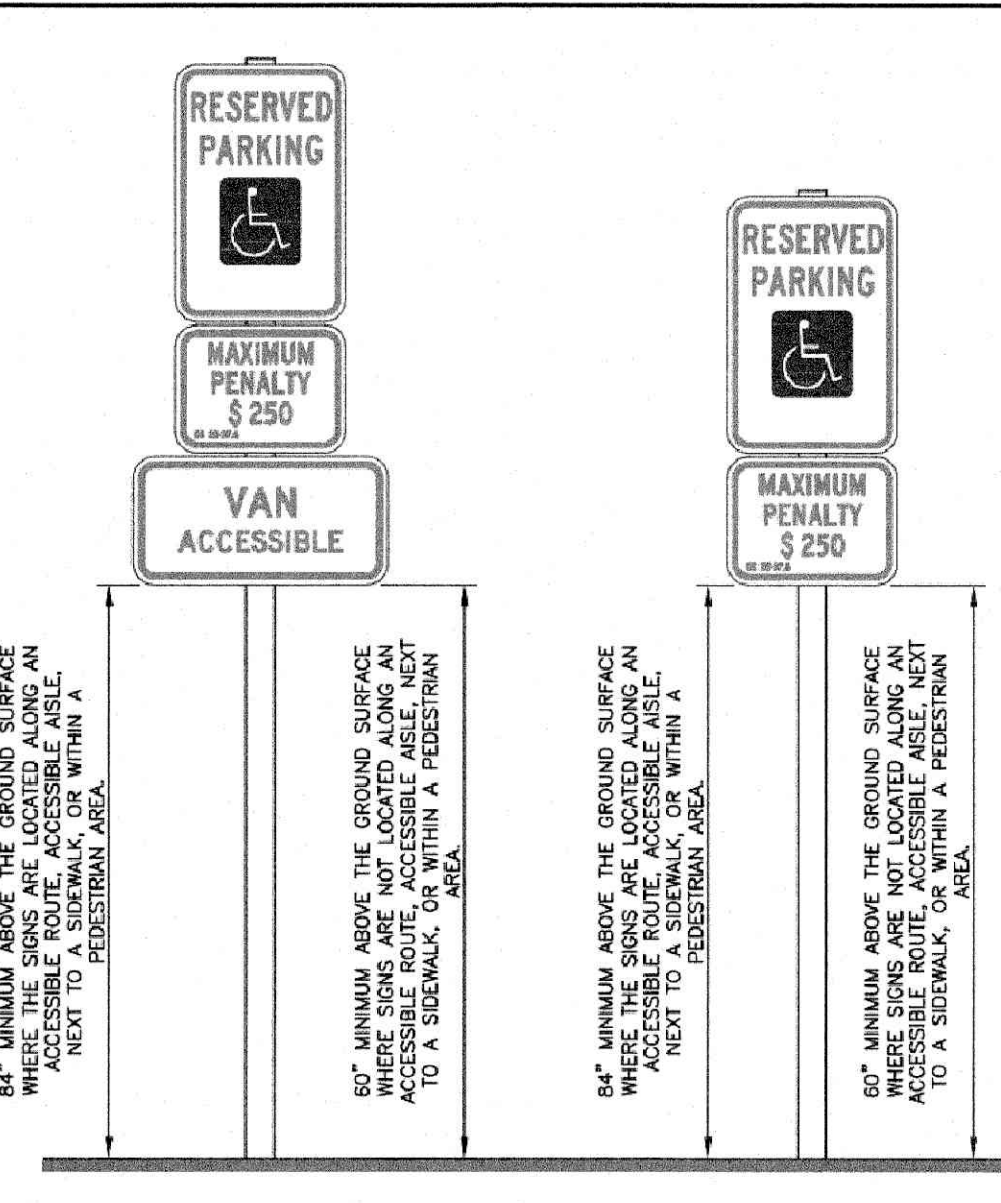
FIRE _____



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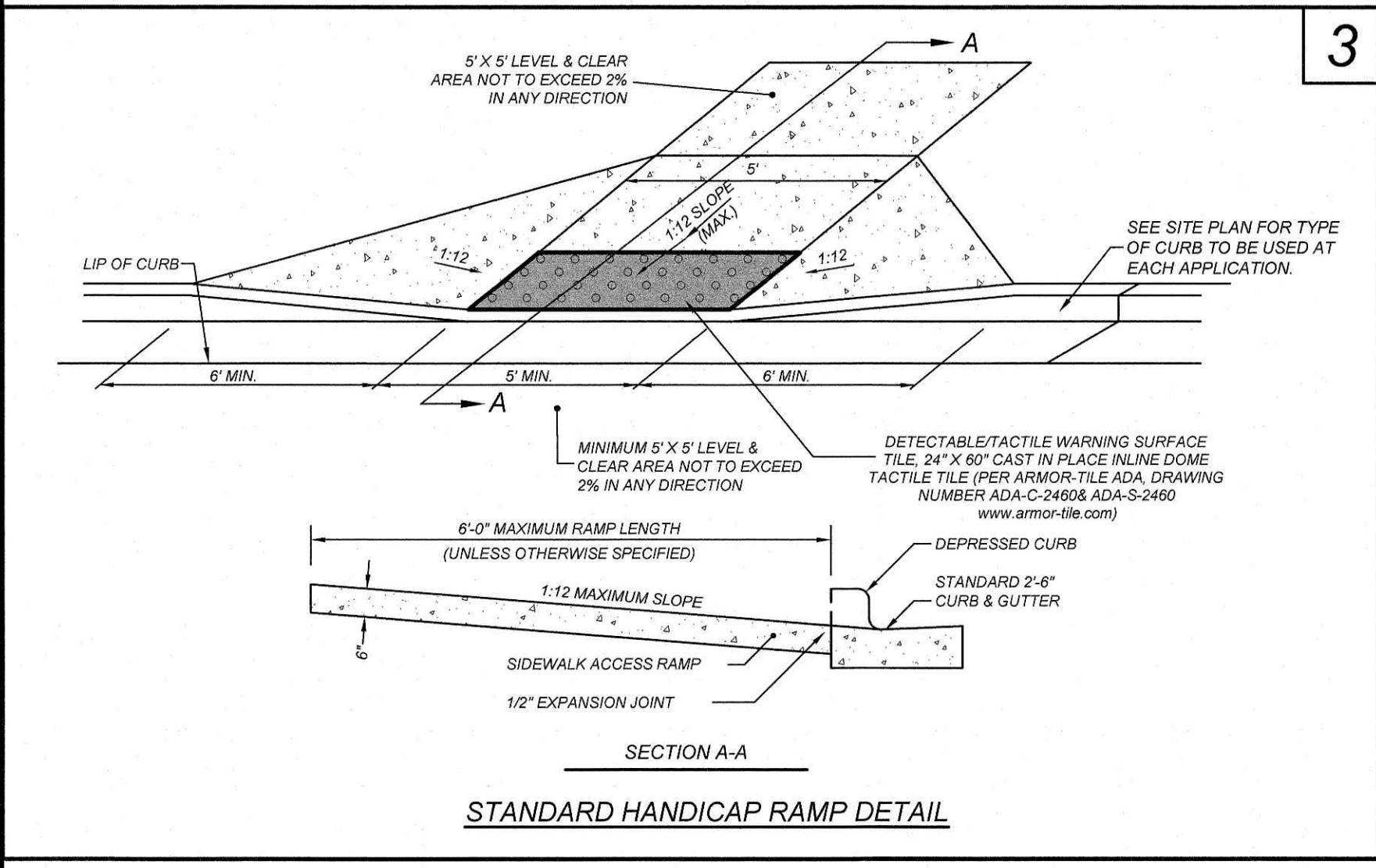
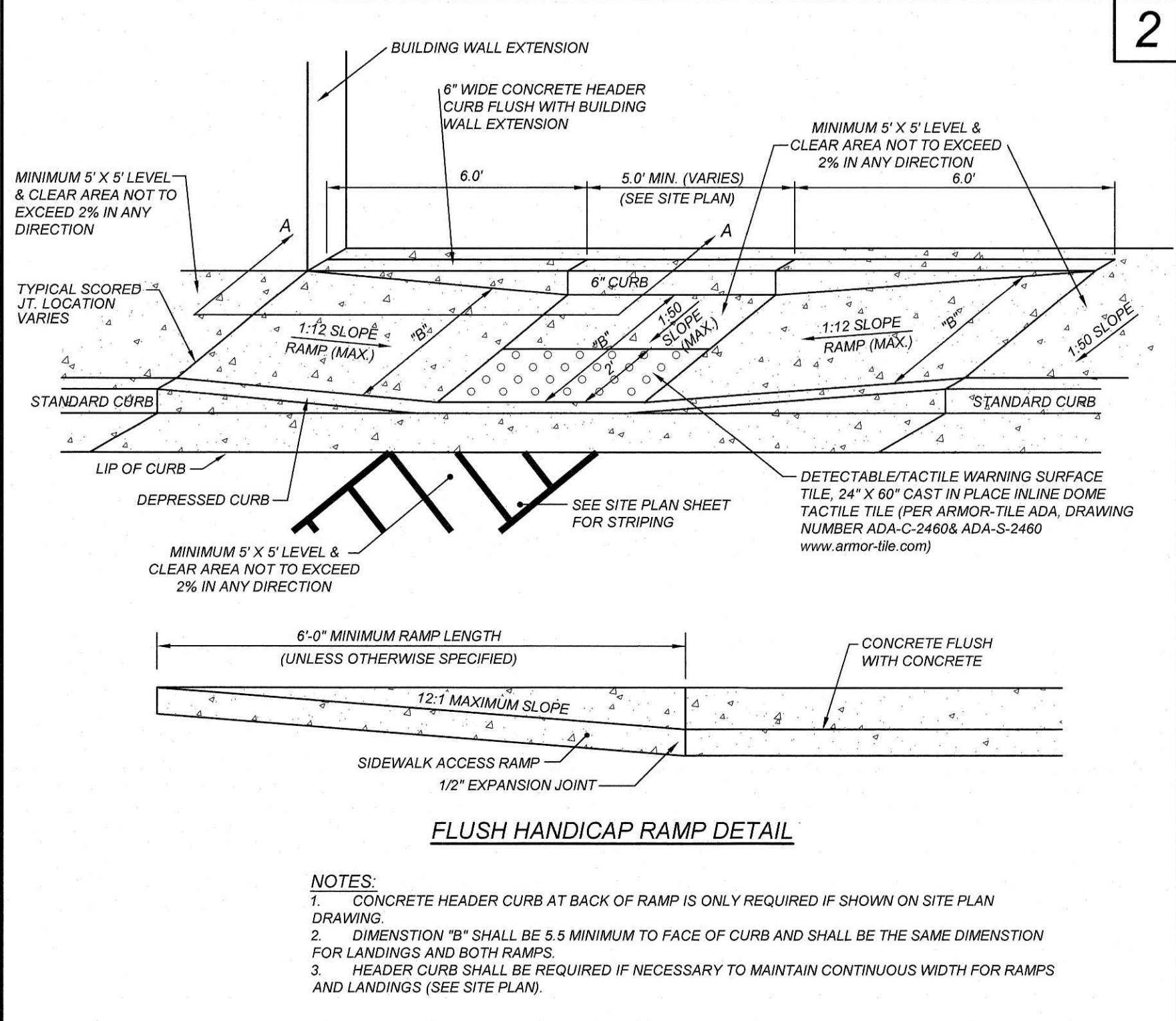


DATE: NOVEMBER 9, 2016	ACCESSIBLE PARKING SIGNS AND INSTALLATION DETAILS SHEET A1 OF 5
DRAWN BY: DALE THOMSON	WILMINGTON
CHECKED BY: RANDALL GLASER	SCALE: NOT TO SCALE

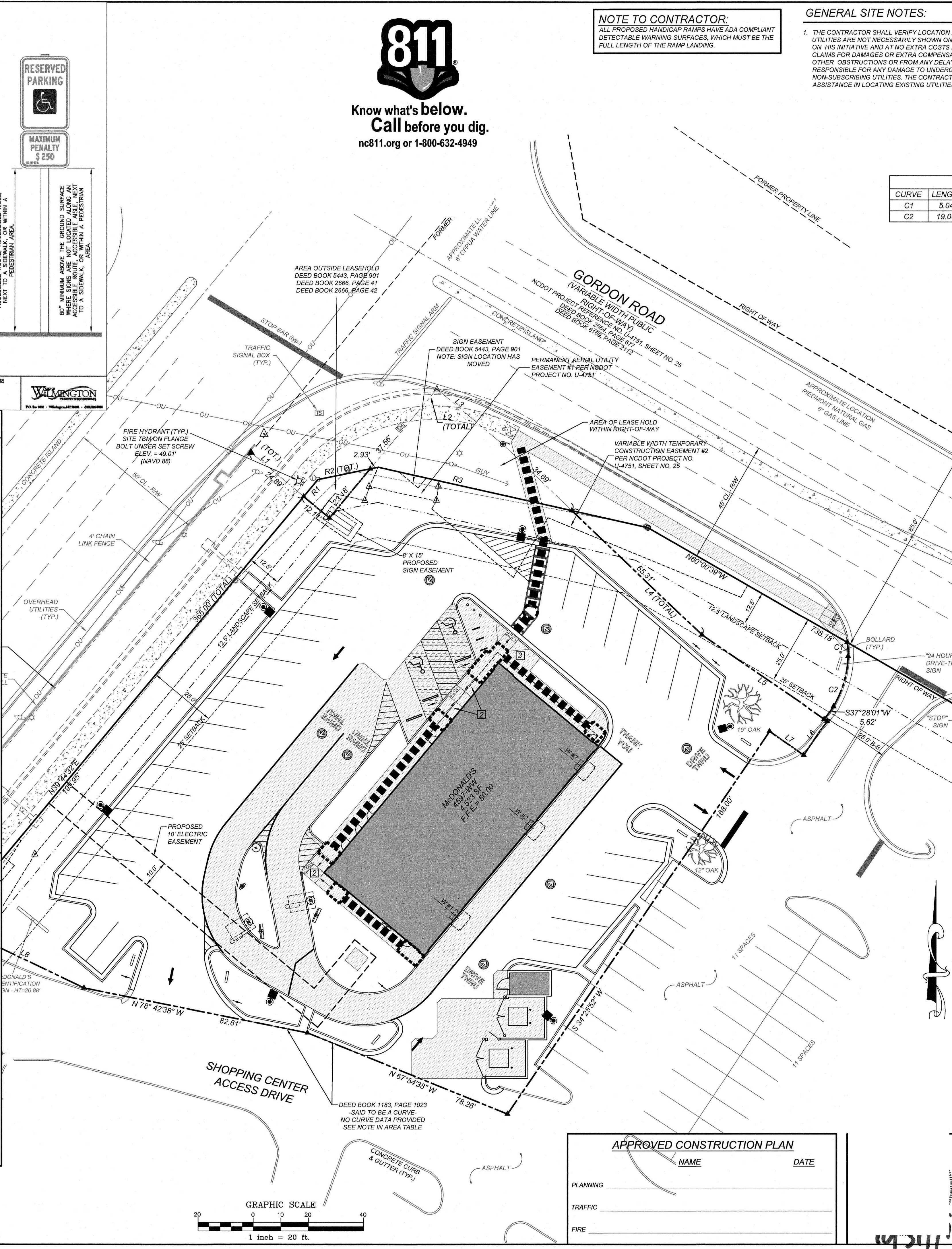


Signage Height Figure A2.1

DATE: NOVEMBER 9, 2016	ACCESSIBLE PARKING SIGNS AND INSTALLATION DETAILS SHEET A2 OF 5
DRAWN BY: DALE THOMSON	WILMINGTON
CHECKED BY: RANDALL GLASER	SCALE: NOT TO SCALE



DATE: NOVEMBER 9, 2016	ACCESSIBLE PARKING SIGNS AND INSTALLATION DETAILS SHEET A3 OF 5
DRAWN BY: DALE THOMSON	WILMINGTON
CHECKED BY: RANDALL GLASER	SCALE: NOT TO SCALE



NOTE TO CONTRACTOR:
ALL PROPOSED HANDICAP RAMPS HAVE ADA COMPLIANT DETECTABLE WARNING SURFACES, WHICH MUST BE THE FULL LENGTH OF THE RAMP LANDING.

GENERAL SITE NOTES:
1. THE CONTRACTOR SHALL VERIFY LOCATION AND ELEVATION OF ALL UNDERGROUND UTILITIES. THE LOCATION OF ALL EXISTING UTILITIES ARE NOT NECESSARILY SHOWN ON THE PLANS AND WHERE SHOWN ARE ONLY APPROXIMATE. THE CONTRACTOR SHALL ON HIS INITIATIVE AND AT NO EXTRA COSTS HAVE LOCATED ALL UNDERGROUND LINES AND STRUCTURES AS NECESSARY. NO CLAIMS FOR DAMAGES OR EXTRA COMPENSATION SHALL ACCRUE TO THE CONTRACTOR FROM THE PRESENCE OF SUCH PIPE OTHER OBSTRUCTIONS OR FROM ANY DELAY DUE TO REMOVAL OR REARRANGEMENT OF THE SAME. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO UNDERGROUND STRUCTURES. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING ALL NON-SUBSCRIBING UTILITIES. THE CONTRACTOR(S) SHALL CONTACT NORTH CAROLINA 811 OR CALL 1-800-632-4949 FOR ASSISTANCE IN LOCATING EXISTING UTILITIES. CALL AT LEAST 48 HOURS PRIOR TO ANY DIGGING.

CURVE	LENGTH	RADIUS	TANGENT	CHORD	BEARING	DELTA
C1	5.04'	28.71'	2.52'	5.03'	N 03°20'20" W	10°11'55"
C2	19.06'	37.71'	9.74'	18.86'	N 16°10'12" E	28°57'46"

LINE	BEARING	DISTANCE
L1	S 50°13'38" E	37.00'
L2	N 39°46'22" E	60.83'
L3	S 49°58'08" E	31.23'
L4	S 46°16'38" E	100.00'
L5	S 55°35'08" E	55.00'
L6	S 34°25'52" W	15.00'
L7	N 55°35'08" W	15.00'
L8	N 64°25'38" W	49.40'
L9	N 50°08'38" W	29.79'

LINE	BEARING	DISTANCE
R1	N 39°44'32" E	8.05'
R2	N 78°27'53" E	22.31'
R3	S 77°22'57" E	100.22'

LEGEND

- CONCRETE CURB AND GUTTER
- HANDICAP RAMP
- HANDICAP STALL
- CONCRETE
- PROPERTY LINE
- SIGN
- BOLLARD
- EX. FIRE HYDRANT
- FENCE
- POLE MOUNTED AREA LIGHT
- PROPERTY CORNER
- FINISH FLOOR ELEVATION
- ADA ACCESSIBLE ROUTE (5.0% MAXIMUM LONGITUDINAL SLOPE, 2.0% MAXIMUM CROSS SLOPE EXCLUDING RAMPS)
- 5' MINIMUM TURNING AREA (NOT TO EXCEED 2% IN ANY DIRECTION)
- 5' X 5' LEVEL & CLEAR AREA (NOT TO EXCEED 2% IN ANY DIRECTION)
- HANDICAP PARKING AREA (2% MAX. SLOPE)

PARKING INFORMATION						
TOTAL SPACES 35	31	SPACES	9'	X	20'	@ 60"
	2	SPACES	9'	X	20'	@ 90"
	2	HANDICAP SPACES	8'	X	18'	@ 60"

UTILITY INFORMATION		
SIZE	TYPE	LOCATION
8" PVC	SS MAIN	ALONG MARKET STREET (OPPOSITE)
8"	PUBLIC MAIN	ALONG MARKET STREET
15"	RCP	ALONG MARKET STREET
OVERHEAD		ALONG MARKET STREET
6"	MAIN	ALONG MARKET STREET

SURVEY INFORMATION		
PREPARED BY:	COMMERCIAL SITE DESIGN, PLLC.	
	8312 CREEDMOOR ROAD	
	RALEIGH, NORTH CAROLINA 27613	
	PHONE: (919) 848-8121	
	DATE OF ORIGINAL FIELD SURVEY: MAY 8, 2019	

PLAN SCALE: 1" = 20'	
STREET ADDRESS	
6860 MARKET STREET	

CITY	STATE
WILMINGTON	NORTH CAROLINA
COUNTY	
NEW HANOVER	
TAX PARCEL NUMBER	LOCATION CODE NUMBER
315806.48.1065.000	32-0204
CSD FILENAME:	
MCD1221-SP	

APPROVED CONSTRUCTION PLAN

NAME	DATE
PLANNING	
TRAFFIC	
FIRE	

COMMERCIAL SITE DESIGN

8912 CREEDMOOR ROAD
RALEIGH, NORTH CAROLINA 27613
(919) 848-8121 FAX: (919) 848-2741
WWW.CSDESIGN.COM

McDonald's

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

OFFICE ADDRESS: 6860 ROCKLEDGE DRIVE - SUITE 1100 - BETHESDA, MD 20817

PLAN APPROVAL

SIGNATURE (2 REQUIRED)	DATE
REGIONAL MGR.	
REGIONAL DEV. DIRECTOR	
REGIONAL CONSTRUCTION MGR.	
REGIONAL REAL ESTATE MGR.	
CO-SIGN SIGNATURES	
AREA CONSTRUCTION MGR.	
CONTRACTOR	

STATUS

STATUS	DATE	BY
FINAL	-	-
PLAN CHECKED	-	-
AS-BUILT	-	-

C-4 ADA ACCESSIBILITY PLAN AND DETAILS

TEMPORARY SEEDING IN NORTH CAROLINA

SEEDING MIXTURE		
SPECIES	RATE (lb/acre)	
LATE WINTER & EARLY SPRING		
RYE (GRAIN)	120	
ANNUAL LESPEDEZA (KORE		
IN PIEDMONT AND COSTAL PLAIN,		
KOREAN IN MOUNTAINS	50	
OMIT ANNUAL LESPEDEZA WHEN DURATION		
OF TEMPORARY COVER IS NOT TO EXTEND		
BEYOND JUNE		
SUMMER		
GERMAN MILLET	40	
IN THE PIEDMONT AND MOUNTAINS, A		
SMALL-STEMMED SUNDAGRASS MAY BE		
SUBSTITUTED AT A RATE OF 50 LB/ACRE.		
FALL		
RYE (GRAIN)	120	

SEEDING DATES:

LATE WINTER & EARLY SPRING	MOUNTAINS - ABOVE 2500 FT. FEB. 15 - MAY 15 BELOW 2500 FT. FEB. 1 - MAY 1 PIEDMONT - JAN. 1 - MAY 1 COASTAL PLAIN - DEC. 1 - APR. 15
SUMMER	MOUNTAINS - MAY 15 - AUG. 15 PIEDMONT - MAY 1 - AUG. 15 COASTAL PLAIN - APR. 15 - AUG. 15
FALL	MOUNTAINS - AUG. 15 - DEC. 15 COASTAL PLAIN AND PIEDMONT - AUG. 15 - DEC.30

SOIL AMENDMENTS
FOLLOW RECOMMENDATIONS OF SOIL TESTS OR APPLY 2,000 LBS/ACRE GROUND AGRICULTURAL LIMESTONE AND 750 LBS/ACRE 10-10-10 FERTILIZER

MULCH
APPLY 4,000 LBS/ACRE STRAW. ANCHOR STRAW BY TACKING WITH ASPHALT, NETTING OR A MULCH ANCHORING TOOL. A DISK WITH BLADES SET NEARLY STRAIGHT CAN BE USED AS A MULCH ANCHORING TOOL.

MAINTENANCE
REFERTILIZE IF GROWTH IS NOT FULLY ADEQUATE. RESEED, REFERTILIZE AND MULCH IMMEDIATELY FOLLOWING EROSION OR OTHER DAMAGE.

CONTRACTOR TO INSTALL ROOF DRAINS AROUND BUILDING AND EXTEND TO OUTLET AT 2% MINIMUM. COORDINATE DOWNSPOUT LOCATIONS WITH ARCHITECT.

SILT FENCE CALCULATIONS

DRAINAGE AREA TO SILT FENCE: 41,500 SF OR 0.95 ACRES
REQUIRED SILT FENCE LENGTH: 100 LF PER 0.25 ACRES
REQUIRED SILT FENCE LENGTH: 0.95 AC/0.25 AC x 100 = 380
LF PROPOSED SILT FENCE LENGTH: 900 LF



Know what's below.
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nc811.org or 1-800-632-4949

GRADING/EROSION CONTROL NOTES:

- THE CONTRACTOR SHALL VERIFY LOCATION AND ELEVATION OF ALL UNDERGROUND UTILITIES. THE LOCATION OF ALL EXISTING UTILITIES ARE NOT NECESSARILY SHOWN ON THE PLANS AND WHERE SHOWN ARE ONLY APPROXIMATE. THE CONTRACTOR SHALL ON HIS INITIATIVE AND AT NO EXTRA COSTS HAVE LOCATED ALL UNDERGROUND LINES AND STRUCTURES AS NECESSARY. NO CLAIMS FOR DAMAGES OR EXTRA COMPENSATION SHALL ACCRUE TO THE CONTRACTOR FROM THE PRESENCE OF SUCH PIPE, OTHER OBSTRUCTIONS OR FROM ANY DELAY DUE TO REMOVAL OR REARRANGEMENT OF THE SAME. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO UNDERGROUND STRUCTURES. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING ALL NON-SUBSCRIBING UTILITIES. THE CONTRACTOR(S) SHALL CONTACT NORTH CAROLINA 811 OR CALL 800-632-4949 FOR ASSISTANCE IN LOCATING EXISTING UTILITIES. CALL AT LEAST 48 HOURS PRIOR TO ANY DIGGING.
- SUBJECT PROPERTY IS NOT LOCATED WITHIN A SPECIAL FLOOD HAZARD ZONE. IT IS LOCATED IN ZONE "C", AS DEFINED BY HUD F.I.R.M. COMMUNITY PANEL NUMBER 3720315800K WITH AN EFFECTIVE DATE OF AUGUST 28, 2018.
- ALL GRADING AND BACKFILLING, EXCAVATING, ETC., SHALL BE IN ACCORDANCE WITH THE RECOMMENDATIONS SET FORTH IN THE GEOTECHNICAL INVESTIGATION REPORTS. REFER TO THESE REPORTS FOR ADDITIONAL INFORMATION NOT TRANSFERRED TO THESE PLANS.
- THE EROSION CONTROL MEASURES ARE TO BE IN PLACE PRIOR TO ANY EARTHWORK.
- ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED UNTIL DISTURBED AREAS ARE STABILIZED. NCDENR LAND QUALITY MUST BE NOTIFIED BEFORE ANY EROSION CONTROL MEASURES ARE REMOVED.
- ALL EROSION CONTROL FACILITIES SHALL BE INSPECTED AND REPAIRED AT A MINIMUM OF WEEKLY BASIS AND AFTER EVERY RAIN EVENT.
- ALL PAVED AREAS SHALL BE KEPT CLEAR OF EARTH MATERIALS AND DEBRIS. THE SITE SHALL BE MAINTAINED SO AS TO MINIMIZE SEDIMENT-LADEN RUNOFF TO ANY STORM DRAINAGE SYSTEM.
- ALL CONSTRUCTION TRAFFIC SHALL ENTER AND EXIT THE SITE VIA THE CONSTRUCTION ENTRANCES.

ROOF DRAIN TO DISCHARGE INTO NEW CATCH BASIN CONSTRUCTED BY NCDOT. IF NCDOT WORK HAS NOT BEEN COMPLETED PLEASE COORDINATE WITH MCDONALDS ACM

PROPOSED NCDOT PLAN ALIGNMENT. CONSTRUCTION DATE UNKNOWN

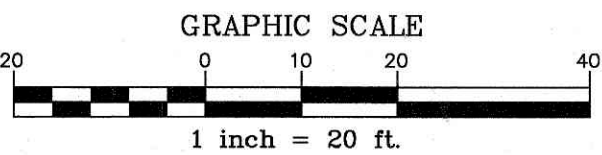
VARIABLE WIDTH TEMPORARY CONSTRUCTION EASEMENT #1 PER NCDOT PROJECT NO. U-4751, SHEET NO. 25

GRADING/EROSION CONTROL NOTES:

- PURSUANT TO G.S. 113A-57(2), THE ANGLE FOR GRADED SLOPES AND FILLS SHALL BE NO GREATER THAN THE ANGLE THAT CAN BE RETAINED BY VEGETATIVE COVER OR OTHER ADEQUATE EROSION CONTROL DEVICES OR STRUCTURES. IN ANY EVENT, SLOPES LEFT EXPOSED WILL, WITHIN 14 CALENDAR DAYS OF COMPLETION OF ANY PHASE OF GRADING BE PLANTED OR OTHERWISE PROVIDED WITH TEMPORARY OR PERMANENT GROUND COVER DEVICES, OR STRUCTURES SUFFICIENT TO RESTRAIN EROSION. PURSUANT TO G.S. 113A-57(3), PROVISIONS FOR PERMANENT GROUND COVER SUFFICIENT TO RESTRAIN EROSION MUST BE ACCOMPLISHED FOR ALL DISTURBED AREAS WITHIN 14 CALENDAR DAYS FOLLOWING COMPLETION OF CONSTRUCTION OR DEVELOPMENT.
- ALL CUT AND FILL SLOPES AND CHANNEL SIDESLOPES WHICH ARE NOT TO BE PAVED, SHALL BE SEEDED UNTIL A GOOD STAND OF GRASS IS OBTAINED IN ACCORDANCE WITH:
A. 100 LBS PER 1,000 SQUARE FOOT GROUND LIMESTONE OR EQUIVALENT; NO SOIL TEST REQUIRED FOR INITIAL ESTABLISHMENT.
B. 20 LBS OF 10-10-10 FERTILIZER OR EQUIVALENT PER 1,000 SQUARE FOOT.
C. VARIETIES TO BE SEED:
1. SPRING SEEDING: MARCH 1 - APRIL 30; SPRING OATS 2.5 LBS PER 1,000 SQUARE FOOT.
2. SUMMER SEEDING: MAY 1 - AUGUST 1; WEEPING LOVE GRASS AT 2 OZ. PER SQUARE FOOT MIXED WITH 1 BUSHEL OF SAWDUST FOR UNIFORM SEEDING.
3. ASPHALT MULCH 6 GALLONS PER 1,000 SQUARE FOOT. ALL SEEDING WILL BEE MULCHED.

GRADING/EROSION CONTROL NOTES:

- SEE LANDSCAPE PLAN FOR PERMANENT SEEDING OR SOD SPECIFICATIONS.
- ALL ELEVATIONS SHOWN ARE IN REFERENCE TO THE BENCHMARK AND MUST BE VERIFIED BY THE GENERAL CONTRACTOR AT GROUND BREAK.
- UNLESS OTHERWISE SPECIFIED ON THESE PLANS, ALL STORM DRAINAGE PIPES ARE TO BE RCP, CLASS III.
- NO ON-SITE WETLANDS OBSERVED.
- ALL FINISHED SURFACES (EXCLUDING PONDS) SHALL SLOPE FOR POSITIVE DRAINAGE AND TO AVOID STANDING WATER.
- CONTRACTOR TO COORDINATE ALL DOWNSPOUT LOCATIONS WITH ARCHITECT AND CONNECT ROOF DRAI TO STORM PIPE SYSTEM AS SHOWN.



APPROVED CONSTRUCTION PLAN

NAME DATE

PLANNING _____
TRAFFIC _____
FIRE _____

CONSTRUCTION SEQUENCE:

THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT EROSION IS MINIMIZED AND THAT COMPLIANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS, REGULATIONS, AND ORDINANCES IS MAINTAINED THROUGHOUT EXECUTION OF THIS PROJECT.

- OBTAIN A LAND DISTURBING PERMIT. SCHEDULE A PRE-CONSTRUCTION MEETING.
- INSTALL GRAVEL CONSTRUCTION PAD, SILT FENCE, OR OTHER MEASURES AS SHOWN ON THE APPROVED PLAN. CLEAR ONLY AS NECESSARY TO INSTALL THESE DEVICES.
- BEGIN CLEARING/GRUBBING AND GENERAL EXCAVATION ON SITE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PHASE/STAGE EROSION CONTROL TO ALLOW FOR CONSTRUCTION. CONTRACTOR SHALL INSPECT AND REPAIR ALL EROSION DEVICES AT LEAST ONCE A WEEK AND AFTER EVERY RAINFALL. GRADING ACTIVITY SHALL BE PROHIBITED IN THE AREAS OF THE SEDIMENT CONTROL DEVICES UNTIL THE AREAS UPSTREAM OF THESE DEVICES HAVE BEEN STABILIZED AND APPROVED.
- BEGIN INSTALLING UPSTREAM STORM DRAINAGE SYSTEM. INSTALL APPROVED INLET PROTECTION. ADDITIONAL MEASURES MAY BE REQUIRED BY THE INSPECTOR DUE TO THE ROUTING OF THE STORM DRAINAGE SYSTEM AND ACTUAL FIELD CONDITIONS.
- STABILIZE SITE AS AREAS ARE BROUGHT UP TO FINISH GRADE WITH VEGETATION, PAVING, DITCH LININGS, ETC. SEED AND MULCH DENUDED AREAS WITHIN FIFTEEN (15) DAYS OF COMPLETION OF ANY PHASE OF CONSTRUCTION. THE CONTRACTOR SHALL ENSURE THAT THE EROSION CONTROL DEVICES REMAIN UNDISTURBED DURING CONSTRUCTION OF THE BUILDING PADS AND ASSOCIATED PARKING/DRIVE AREAS ADJACENT TO THESE DEVICES UNTIL THE CONTRIBUTING UPSTREAM AREAS HAVE BEEN STABILIZED AND APPROVED.
- NOTIFY EROSION CONTROL OFFICER BEFORE REMOVAL OF ANY EROSION CONTROL MEASURES. WHEN SITE IS APPROVED, REMOVE TEMPORARY SILT FENCING, ETC., AND SEED OUT OR PAVE ANY RESULTING BARE AREAS.

LEGEND

- STORM DRAIN MANHOLE (DMH)
- DROP INLET (DI)
- CURB INLET (CB)
- STORM PIPE
- TOP OF CURB
- BOTTOM OF CURB
- SPILL CURB
- INLINE DRAIN
- ROOF DRAIN
- HANDICAP PARKING AREA (2% MAX. SLOPE)
- TH=XXXXXX GROUND AT TOP OF WALL
- BW=XXXXXX GROUND AT BOTTOM OF WALL
- SILT FENCE OUTLET
- INLET PROTECTION
- BUILDING DOWNSPOUT
- SILT FENCE
- TREE PROTECTION FENCE
- DIVERSION DITCH
- LIMITS OF DISTURBANCE
- FLARED END SECTION
- CONSTRUCTION ENTRANCE

PAVING SPECIFICATIONS

CONTRACTOR TO REFER TO SOILS REPORT BY ECS, PROJECT NUMBER 22-18512-B DATED MARCH 11, 2013.

LIGHT DUTY ASPHALT PAVEMENT:
3.0 INCHES ASPHALT SURFACE COURSE (TYPE SF-9.5A)
6.0 INCHES AGGREGATE BASE COURSE

MEDIUM DUTY ASPHALT PAVEMENT:
3.0 INCHES ASPHALT SURFACE COURSE (TYPE SF-9.5A)
8.0 INCHES AGGREGATE BASE COURSE

PORTLAND CEMENT CONCRETE:
6.0 INCHES CONCRETE (28-DAY STRENGTH = 4,000 PSI)
6.0 INCHES AGGREGATE BASE COURSE

NOTE:
MCDONALD'S ENGINEER RESERVES THE RIGHT TO REQUEST A COMPACTION TEST AND/OR A CORE SAMPLE, IF TESTS PROVE CORRECT. PER ABOVE SPECIFICATION, TESTS WILL BE AT THE EXPENSE OF MCDONALD'S. OTHERWISE, GENERAL CONTRACTOR WILL BE CHARGED.

PARKING INFORMATION

TOTAL SPACES	31 SPACES	9' X 20' @ 60"
35	2 SPACES	9' X 20' @ 90"
	2 HANDICAP SPACES	8' X 18' @ 60"

UTILITY INFORMATION

SIZE	TYPE	LOCATION
SANITARY SEWER	8" PVC SS MAIN	ALONG MARKET STREET (OPPOSITE)
WATER	8" PUBLIC MAIN	ALONG MARKET STREET
STORM SEWER	15" RCP	ALONG MARKET STREET
ELECTRIC	OVERHEAD	ALONG MARKET STREET
GAS	6" MAIN	ALONG MARKET STREET

SURVEY INFORMATION

PREPARED BY: COMMERCIAL SITE DESIGN, PLLC.
8312 CREEDMOOR ROAD
RALEIGH, NORTH CAROLINA 27613
PHONE: (919) 848-8121
DATE OF ORIGINAL FIELD SURVEY: MAY 8, 2019

PLAN SCALE: 1" = 20'

STREET ADDRESS

6860 MARKET STREET

CITY	STATE
WILMINGTON	NORTH CAROLINA
COUNTY	
NEW HANOVER	
TAX PARCEL NUMBER	LOCATION CODE NUMBER
315806.48.1065.000	32-0204
CSD FILENAME:	MCD1221-GP

REV	DATE	DESCRIPTION	BY	ISSUED
1	10-31-19	DDH		
2	10-28-19	JWR		
		CITY TRC #1 & BRAND COMMENTS		



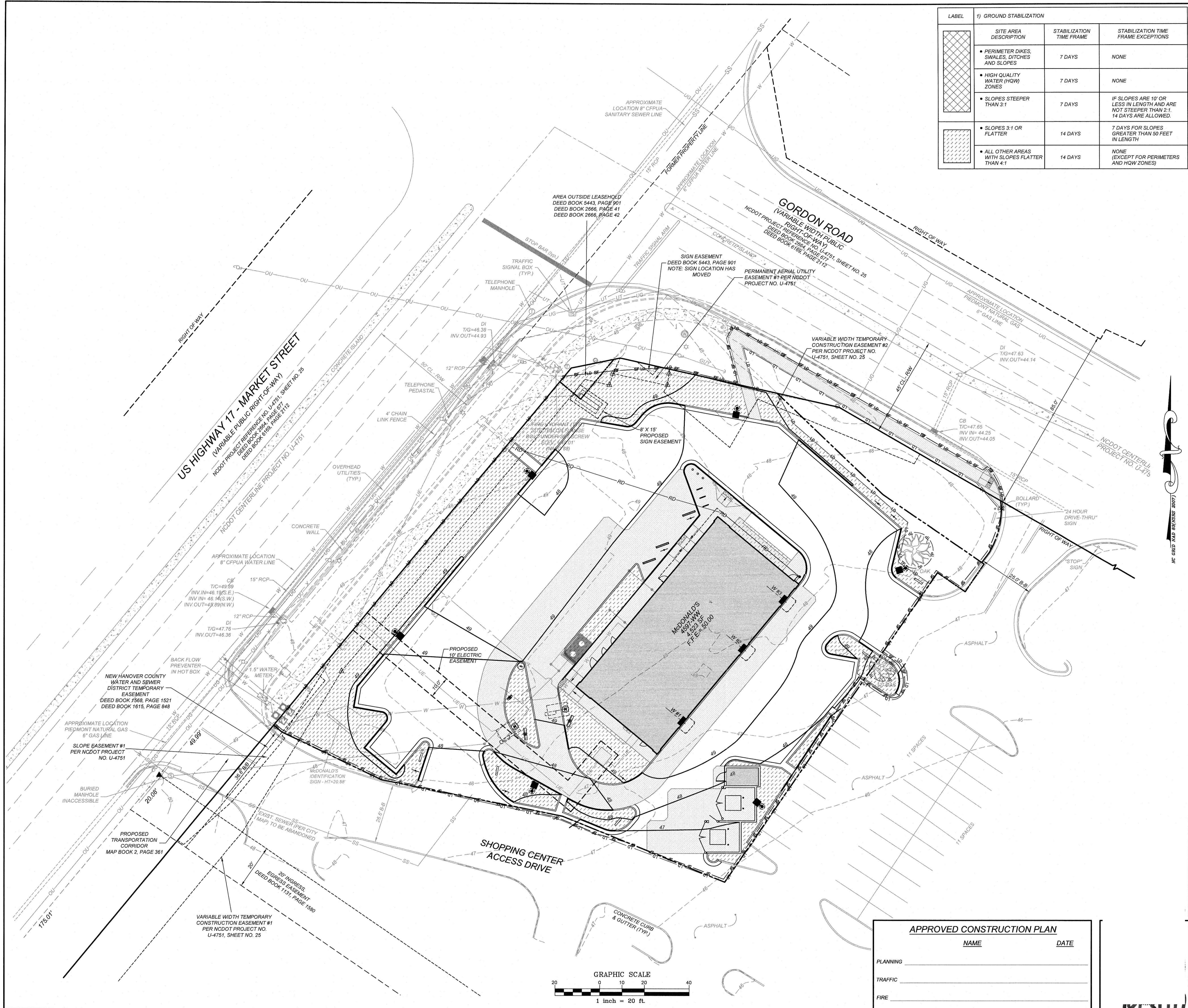
892 CREEDMOOR ROAD
RALEIGH, NORTH CAROLINA 27613

McDonald's®

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BALTIMORE REGION
6803 ROCKLEDGE DRIVE - SUITE 1100 - BETHESDA, MD 20817

PLAN APPROVAL	DATE	STATUS	DATE	BY
SIGNATURE (2 REQUIRED)		FINAL	-	-
REGIONAL MGR.		PLAN CHECKED	-	-
REGIONAL DEV. DIRECTOR		AS-BUILT	-	-
REGIONAL CONSTRUCTION MGR.				
REGIONAL REAL ESTATE MGR.				
CO-SIGN SIGNATURES				
AREA CONSTRUCTION MGR.				
CONTRACTOR				
C-5 GRADING/EROSION CONTROL PLAN				



LABEL	1) GROUND STABILIZATION		
	SITE AREA DESCRIPTION	STABILIZATION TIME FRAME	STABILIZATION TIME FRAME EXCEPTIONS
	PERIMETER DIKES, SWALES, DITCHES AND SLOPES	7 DAYS	NONE
	HIGH QUALITY WATER (HQW) ZONES	7 DAYS	NONE
	SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1, 14 DAYS ARE ALLOWED.
	SLOPES 3:1 OR FLATTER	14 DAYS	7 DAYS FOR SLOPES GREATER THAN 50 FEET IN LENGTH
	ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	14 DAYS	NONE (EXCEPT FOR PERIMETERS AND HQW ZONES)

2) BUILDING WASTES HANDLING		
NO PAINT OR LIQUID WASTES IN STREAM OR STORM DRAINS		
DEDICATED AREAS FOR DEMOLITION, CONSTRUCTION AND OTHER WASTES MUST BE LOCATED 50' FROM STORM DRAINS AND STREAMS UNLESS NO REASONABLE ALTERNATIVES AVAILABLE		
EARTHEN-MATERIALS STOCKPILES MUST BE LOCATED 50' FROM STORM DRAINS AND STREAMS UNLESS NO REASONABLE ALTERNATIVES AVAILABLE		
CONCRETE MATERIALS MUST BE CONTROLLED TO AVOID CONTACT WITH SURFACE WATERS, WETLANDS, OR BUFFERS.		
3) INSPECTIONS		
SAME WEEKLY INSPECTION REQUIREMENTS.		
SAME RAIN GUAGE & INSPECTIONS AFTER 0.5" RAIN EVENT.		
INSPECTIONS ARE ONLY REQUIRED DURING "NORMAL BUSINESS HOURS".		
INSPECTION REPORTS MUST BE AVAILABLE ON-SITE DURING BUSINESS HOURS UNLESS A SITE-SPECIFIC EXEMPTION IS APPROVED.		
RECORDS MUST BE KEPT FOR 3 YEARS AND AVAILABLE UPON REQUEST.		
ELECTRONICALLY-AVAILABLE RECORDS MAY BE SUBSTITUTED UNDER CERTAIN CONDITIONS.		
4) SEDIMENT BASINS		
OUTLET STRUCTURES MUST WITHDRAW FROM BASIN SURFACE UNLESS DRAINAGE AREA IS LESS THAN 1 ACRE.		
USE ONLY DWQ-APPROVED FLOCCULANTS.		

NPDES - SPECIFIC PLAN SHEETS NOTES

- THIS PAGE IS SUBMITTED TO COMPLY WITH NPDES GENERAL STORMWATER PERMIT NCG010000.
- THIS PAGE CAN BE APPROVED BY THE CITY PURSUANT TO NPDES GENERAL STORMWATER PERMIT NCG010000 ONLY.
- THIS PAGE OF THE APPROVED PLANS IS ENFORCEABLE EXCLUSIVELY PURSUANT TO NPDES GENERAL STORMWATER PERMIT NCG010000.
- THE CITY IS NOT AUTHORIZED TO ENFORCE THIS PAGE OF THE PLANS AND IT IS NOT A PART OF THE APPROVED PLANS FOR THE PURPOSES OF ENFORCEMENT ACTION UNDER THE CITY CODE.

LEGEND	
STORM DRAIN MANHOLE (DMH)	SILT FENCE OUTLET
DROP INLET (DI)	INLET PROTECTION
CURB INLET (CB)	BUILDING DOWNSPOUT
STORM PIPE	SILT FENCE
INLINE DRAIN	TREE PROTECTION FENCE
CONC. CURB	LIMITS OF DISTURBANCE
RD - ROOF DRAIN	FLARED END SECTION
6" CORRUGATED PLASTIC 1/4" MIN. COVER 1% MIN. SLOPE PVC IN TRAFFIC AREAS CLEANS OUTS LOCATED @ ALL BENDS	CONSTRUCTION ENTRANCE

PAVING SPECIFICATIONS	
CONTRACTOR TO REFER TO SOILS REPORT BY ECS, PROJECT NUMBER 22-18512-B DATED MARCH 11, 2013.	
LIGHT DUTY ASPHALT PAVEMENT: 3.0 INCHES ASPHALT SURFACE COURSE (TYPE SF-9.5A) 6.0 INCHES AGGREGATE BASE COURSE	
MEDIUM DUTY ASPHALT PAVEMENT: 3.0 INCHES ASPHALT SURFACE COURSE (TYPE SF-9.5A) 8.0 INCHES AGGREGATE BASE COURSE	
PORTLAND CEMENT CONCRETE: 6.0 INCHES CONCRETE (28-DAY STRENGTH = 4,000 PSI) 6.0 INCHES AGGREGATE BASE COURSE	
NOTE: McDONALD'S ENGINEER RESERVES THE RIGHT TO REQUEST A COMPACTION TEST AND/OR A CORE SAMPLE. IF TESTS PROVE CORRECT, PER ABOVE SPECIFICATION, TESTS WILL BE AT THE EXPENSE OF McDONALD'S, OTHERWISE, GENERAL CONTRACTOR WILL BE CHARGED.	

PARKING INFORMATION	
TOTAL SPACES	35
2 SPACES	9' X 20' @ 60°
2 HANDICAP SPACES	8' X 18' @ 60°

UTILITY INFORMATION		
SIZE	TYPE	LOCATION
SANITARY SEWER	8" PVC SS MAIN	ALONG MARKET STREET (OPPOSITE)
WATER	8" PUBLIC MAIN	ALONG MARKET STREET
STORM SEWER	15" RCP	ALONG MARKET STREET
ELECTRIC	OVERHEAD	ALONG MARKET STREET
GAS	6" MAIN	ALONG MARKET STREET

SURVEY INFORMATION	
PREPARED BY: COMMERCIAL SITE DESIGN, PLLC. 6312 CREEDMOOR ROAD RALEIGH, NORTH CAROLINA 27613 PHONE: (919) 848-5121 DATE OF ORIGINAL FIELD SURVEY: MAY 8, 2019	

PLAN SCALE: 1" = 20'	
STREET ADDRESS 6860 MARKET STREET	
CITY WILMINGTON	STATE NORTH CAROLINA
COUNTY NEW HANOVER	
TAX PARCEL NUMBER 315806.48.1065.000	LOCATION CODE NUMBER 32-0204
CSD FILENAME: MCD1221-NPDES	

APPROVED CONSTRUCTION PLAN	
NAME	DATE
PLANNING	
TRAFFIC	
FIRE	

ISSUED BY

DATE

DESCRIPTION

PERMIT ISSUE

CITY TRC #1 & BRAND COMMENTS

1

07-31-19

2

10-28-19

COMMERCIAL SITE DESIGN

8912 CREEDMOOR ROAD
RALEIGH, NORTH CAROLINA 27613
(919) 848-5121 FAX: (919) 848-5741
WWW.CSDTECHDESIGN.COM

McDonald's

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6803 ROCKLEDGE DRIVE, SUITE 100 - BETHESDA, MD. 20817

PLAN APPROVAL

DATE

SIGNATURE (2 REQUIRED)

REGIONAL MGR.

REGIONAL DEV. DIRECTOR

REGIONAL CONSTRUCTION MGR.

REGIONAL REAL ESTATE MGR.

CO-SIGN SIGNATURES

AREA CONSTRUCTION MGR.

CONTRACTOR

STATUS

DATE

BY

FINAL

-

-

PLAN CHECKED

-

-

AS-BUILT

-

-

C-5a

NPDES

STABILIZATION PLAN

GROUND STABILIZATION AND MATERIALS HANDLING PRACTICES FOR COMPLIANCE WITH THE NCG01 CONSTRUCTION GENERAL PERMIT
Implementing the details and specifications on this plan sheet will result in the construction activity being considered compliant with the Ground Stabilization and Materials Handling sections of the NCG01 Construction General Permit (Sections E and F, respectively). The permittee shall comply with the Erosion and Sediment Control plan approved by the delegated authority having jurisdiction. All details and specifications shown on this sheet may not apply depending on site conditions and the delegated authority having jurisdiction.

SECTION E: GROUND STABILIZATION

Required Ground Stabilization Timeframes		
Site Area Description	Stabilize within this many calendar days after ceasing land disturbance	Timeframe variations
(a) Perimeter dikes, swales, ditches, and perimeter slopes	7	None
(b) High Quality Water (HQW) Zones	7	None
(c) Slopes steeper than 3:1	7	If slopes are 10' or less in length and are not steeper than 2:1, 14 days are allowed.
(d) Slopes 3:1 to 4:1	14	- 7 days for slopes greater than 50' in length and with slopes steeper than 4:1 - 7 days for perimeter dikes, swales, ditches, perimeter slopes and HQW Zones - 10 days for Falls Lake Watershed
(e) Areas with slopes flatter than 4:1	14	- 7 days for perimeter dikes, swales, ditches, perimeter slopes and HQW Zones - 10 days for Falls Lake Watershed unless there is zero slope

Note: After the permanent cessation of construction activities, any areas with temporary ground stabilization shall be converted to permanent ground stabilization as soon as practicable but in no case longer than 90 calendar days after the last land disturbing activity. Temporary ground stabilization shall be maintained in a manner to render the surface stable against accelerated erosion until permanent ground stabilization is achieved.

GROUND STABILIZATION SPECIFICATION

Stabilize the ground sufficiently so that rain will not dislodge the soil. Use one of the techniques in the table below:

Temporary Stabilization	Permanent Stabilization
<ul style="list-style-type: none">Temporary grass seed covered with straw or other mulches and tackifiersHydroseedingRollled erosion control products with or without temporary grass seedAppropriately applied straw or other mulchPlastic sheeting	<ul style="list-style-type: none">Permanent grass seed covered with straw or other mulches and tackifiersGeotextile fabrics such as permanent soil reinforcement mattingHydroseedingShrubs or other permanent plantings covered with mulchUniform and evenly distributed ground cover sufficient to restrain erosionStructural methods such as concrete, asphalt or retaining wallsRollled erosion control products with grass seed

POLYACRYLAMIDES (PAMS) AND FLOCCULANTS

- Select flocculants that are appropriate for the soils being exposed during construction, selecting from the *NC DWR List of Approved PAMS/Flocculants*.
- Apply flocculants at or before the inlets to Erosion and Sediment Control Measures.
- Apply flocculants at the concentrations specified in the *NC DWR List of Approved PAMS/Flocculants* and in accordance with the manufacturer's instructions.
- Provide ponding area for containment of treated stormwater before discharging offsite.
- Store flocculants in leak-proof containers that are kept under storm-resistant cover or surrounded by secondary containment structures.

EQUIPMENT AND VEHICLE MAINTENANCE

- Maintain vehicles and equipment to prevent discharge of fluids.
- Provide drip pans under any stored equipment.
- Identify leaks and repair as soon as feasible, or remove leaking equipment from the project.
- Collect all spent fluids, store in separate containers and properly dispose as hazardous waste (recycle when possible).
- Remove leaking vehicles and construction equipment from service until the problem has been corrected.
- Bring used fuels, lubricants, coolants, hydraulic fluids and other petroleum products to a recycling or disposal center that handles these materials.

LITTER, BUILDING MATERIAL AND LAND CLEARING WASTE

- Never bury or burn waste. Place litter and debris in approved waste containers.
- Provide a sufficient number and size of waste containers (e.g. dumpster, trash receptacle) on site to contain construction and domestic wastes.
- Locate waste containers at least 50 feet away from storm drain inlets and surface waters unless no other alternatives are reasonably available.
- Locate waste containers on areas that do not receive substantial amounts of runoff from upland areas and does not drain directly to a storm drain, stream or wetland.
- Cover waste containers at the end of each workday and before storm events or provide secondary containment. Repair or replace damaged waste containers.
- Anchor all lightweight items in waste containers during times of high winds.
- Empty waste containers as needed to prevent overflow. Clean up immediately if containers overflow.
- Dispose waste off-site at an approved disposal facility.
- On business days, clean up and dispose of waste in designated waste containers.

PAINT AND OTHER LIQUID WASTE

- Do not dump paint and other liquid waste into storm drains, streams or wetlands.
- Locate paint washouts at least 50 feet away from storm drain inlets and surface waters unless no other alternatives are reasonably available.
- Contain liquid wastes in a controlled area.
- Containment must be labeled, sized and placed appropriately for the needs of site.
- Prevent the discharge of soaps, solvents, detergents and other liquid wastes from construction sites.

PORTABLE TOILETS

- Install portable toilets on level ground, at least 50 feet away from storm drains, streams or wetlands unless there is no alternative reasonably available. If 50 foot offset is not attainable, provide relocation of portable toilet behind silt fence or place on a gravel pad and surround with sand bags.
- Provide staking or anchoring of portable toilets during periods of high winds or in high foot traffic areas.
- Monitor portable toilets for leaking and properly dispose of any leaked material. Utilize a licensed sanitary waste hauler to remove leaking portable toilets and replace with properly operating unit.

EARTHEN STOCKPILE MANAGEMENT

- Show stockpile locations on plans. Locate earthen-material stockpile areas at least 50 feet away from storm drain inlets, sediment basins, perimeter sediment controls and surface waters unless it can be shown no other alternatives are reasonably available.
- Protect stockpile with silt fence installed along toe of slope with a minimum offset of five feet from the toe of stockpile.
- Provide stable stone access point when feasible.
- Stabilize stockpile within the timeframes provided on this sheet and in accordance with the approved plan and any additional requirements. Soil stabilization is defined as vegetative, physical or chemical coverage techniques that will restrain accelerated erosion on disturbed soils for temporary or permanent control needs.

CONCRETE WASHOUTS

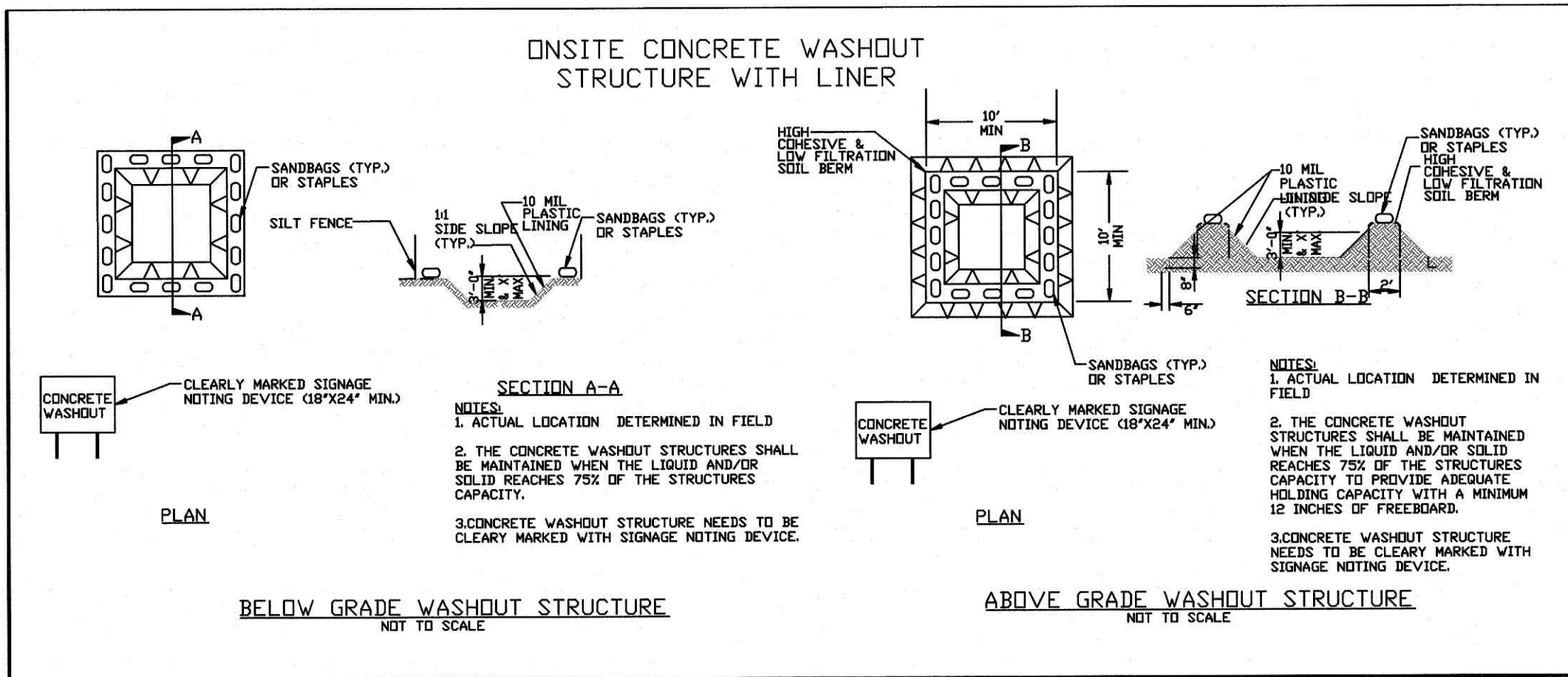
- Do not discharge concrete or cement slurry from the site.
- Dispose of, or recycle settled, hardened concrete residue in accordance with local and state solid waste regulations and at an approved facility.
- Manage washout from mortar mixers in accordance with the above item and in addition place the mixer and associated materials on impervious barrier and within lot perimeter silt fence.
- Install temporary concrete washouts per local requirements, where applicable. If an alternate method or product is to be used, contact your approval authority for review and approval. If local standard details are not available, use one of the two types of temporary concrete washouts provided on this detail.
- Do not use concrete washouts for dewatering or storing defective curb or sidewalk sections. Stormwater accumulated within the washout may not be pumped into or discharged to the storm drain system or receiving surface waters. Liquid waste must be pumped out and removed from project.
- Locate washouts at least 50 feet from storm drain inlets and surface waters unless it can be shown that no other alternatives are reasonably available. At a minimum, install protection of storm drain inlet(s) closest to the washout which could receive spills or overflow.
- Locate washouts in an easily accessible area, on level ground and install a stone entrance pad in front of the washout. Additional controls may be required by the approving authority.
- Install at least one sign directing concrete trucks to the washout within the project limits. Post signage on the washout itself to identify this location.
- Remove leavings from the washout when at approximately 75% capacity to limit overflow events. Replace the tarp, sand bags or other temporary structural components when no longer functional. When utilizing alternative or proprietary products, follow manufacturer's instructions.
- At the completion of the concrete work, remove remaining leavings and dispose in an approved disposal facility. Fill pit, if applicable, and stabilize any disturbance caused by removal of washout.

HERBICIDES, PESTICIDES AND RODENTICIDES

- Store and apply herbicides, pesticides and rodenticides in accordance with label restrictions.
- Store herbicides, pesticides and rodenticides in their original containers with the label, which lists directions for use, ingredients and first aid steps in case of accidental poisoning.
- Do not store herbicides, pesticides and rodenticides in areas where flooding is possible or where they may spill or leak into wells, stormwater drains, ground water or surface water. If a spill occurs, clean area immediately.
- Do not stockpile these materials onsite.

HAZARDOUS AND TOXIC WASTE

- Create designated hazardous waste collection areas on-site.
- Place hazardous waste containers under cover or in secondary containment.
- Do not store hazardous chemicals, drums or bagged materials directly on the ground.



NCG01 GROUND STABILIZATION AND MATERIALS HANDLING

EFFECTIVE: 04/01/19

**PART III
SELF-INSPECTION, RECORDKEEPING AND REPORTING**

SECTION A: SELF-INSPECTION

Self-inspections are required during normal business hours in accordance with the table below. When adverse weather or site conditions would cause the safety of the inspection personnel to be in jeopardy, the inspection may be delayed until the next business day on which it is safe to perform the inspection. In addition, when a storm event of equal to or greater than 1.0 inch occurs outside of normal business hours, the self-inspection shall be performed upon the commencement of the next business day. Any time when inspections were delayed shall be noted in the Inspection Record.

Inspect	Frequency (during normal business hours)	Inspection records must include:
(1) Rain gauge maintained in good working order	Daily	Daily rainfall amounts. If no daily rain gauge observations are made during weekend or holiday periods, and no individual-day rainfall information is available, record the cumulative rain measurement for those unattended days (and this will determine if a site inspection is needed). Days on which no rainfall occurred shall be recorded as "zero." The permittee may use another rain-monitoring device approved by the Division.
(2) E&SC Measures	At least once per 7 calendar days and within 24 hours of a rain event ≥ 1.0 inch in 24 hours	1. Identification of the measures inspected, 2. Date and time of the inspection, 3. Name of the person performing the inspection, 4. Indication of whether the measures were operating properly, 5. Description of maintenance needs for the measure, 6. Description, evidence, and date of corrective actions taken.
(3) Stormwater discharge outfalls (SDOs)	At least once per 7 calendar days and within 24 hours of a rain event ≥ 1.0 inch in 24 hours	1. Identification of the discharge outfalls inspected, 2. Date and time of the inspection, 3. Name of the person performing the inspection, 4. Evidence of indicators of stormwater pollution such as oil sheen, floating or suspended solids or discoloration, 5. Indication of visible sediment leaving the site, 6. Description, evidence, and date of corrective actions taken.
(4) Perimeter of site	At least once per 7 calendar days and within 24 hours of a rain event ≥ 1.0 inch in 24 hours	If visible sedimentation is found outside site limits, then a record of the following shall be made: 1. Actions taken to clean up or stabilize the sediment that has left the site limits, 2. Description, evidence, and date of corrective actions taken, and 3. An explanation as to the actions taken to control future releases.
(5) Streams or wetlands onsite and within 24 hours of a rain event ≥ 1.0 inch in 24 hours	At least once per 7 calendar days and within 24 hours of a rain event ≥ 1.0 inch in 24 hours	If the stream or wetland has increased visible sedimentation or a stream has visible increased turbidity from the construction activity, then a record of the following shall be made: 1. Description, evidence and date of corrective actions taken, and 2. Records of the required reports to the appropriate Division Regional Office per Part II, Section C, Item (2)(a) of this permit of this permit.
(6) Ground stabilization measures	After each phase of grading	1. The phase of grading (installation of perimeter E&SC measures, clearing and grubbing, installation of storm drainage facilities, completion of all land-disturbing activity, construction or redevelopment, permanent ground cover). 2. Documentation that the required ground stabilization measures have been provided within the required timeframe or an assurance that they will be provided as soon as possible.

NOTE: The rain inspection resets the required 7 calendar day inspection requirement.

**PART III
SELF-INSPECTION, RECORDKEEPING AND REPORTING**

SECTION B: RECORDKEEPING

1. E&SC Plan Documentation

The approved E&SC plan as well as any approved deviation shall be kept on the site. The approved E&SC plan must be kept up-to-date throughout the coverage under this permit. The following items pertaining to the E&SC plan shall be documented in the manner described:

Item to Document	Documentation Requirements
(a) Each E&SC Measure has been installed and does not significantly deviate from the locations, dimensions and relative elevations shown on the approved E&SC Plan.	Initial and date each E&SC Measure on a copy of the approved E&SC Plan or complete, date and sign an inspection report that lists each E&SC Measure shown on the approved E&SC Plan. This documentation is required upon the initial installation of the E&SC Measures or if the E&SC Measures are modified after initial installation.
(b) A phase of grading has been completed.	Initial and date a copy of the approved E&SC Plan or complete, date and sign an inspection report to indicate completion of the construction phase.
(c) Ground cover is located and installed in accordance with the approved E&SC Plan.	Initial and date a copy of the approved E&SC Plan or complete, date and sign an inspection report to indicate compliance with approved ground cover specifications.
(d) The maintenance and repair requirements for all E&SC Measures have been performed.	Complete, date and sign an inspection report.
(e) Corrective actions have been taken to E&SC Measures.	Initial and date a copy of the approved E&SC Plan or complete, date and sign an inspection report to indicate the completion of the corrective action.

2. Additional Documentation

In addition to the E&SC Plan documents above, the following items shall be kept on the site

and available for agency inspectors at all times during normal business hours, unless the Division provides a site-specific exemption based on unique site conditions that make this requirement not practical:

(a) This general permit as well as the certificate of coverage, after it is received.

(b) Records of inspections made during the previous 30 days. The permittee shall record the required observations on the Inspection Record Form provided by the Division or a similar inspection form that includes all the required elements. Use of electronically-available records in lieu of the required paper copies will be allowed if shown to provide equal access and utility as the hard-copy records.

(c) All data used to complete the Notice of Intent and other inspection records shall be maintained for a period of three years after project completion and made available upon request. [40 CFR 122.41]

**PART III
SELF-INSPECTION, RECORDKEEPING AND REPORTING**

SECTION C: REPORTING

1. Occurrences that must be reported

Permittees shall report the following occurrences:

(a) Visible sediment deposition in a stream or wetland.

(b) Oil spills if:

- They are 25 gallons or more,
- They are less than 25 gallons but cannot be cleaned up within 24 hours,
- They cause sheen on surface waters (regardless of volume), or
- They are within 100 feet of surface waters (regardless of volume).

(a) Releases of hazardous substances in excess of reportable quantities under Section 311 of the Clean Water Act (Ref: 40 CFR 110.3 and 40 CFR 117.3) or Section 102 of CERCLA (Ref: 40 CFR 302.4) or G.S. 143-215.85.

(b) Anticipated bypasses and unanticipated bypasses.

(c) Noncompliance with the conditions of this permit that may endanger health or the environment.

2. Reporting Timeframes and Other Requirements

After a permittee becomes aware of an occurrence that must be reported, he shall contact the appropriate Division regional office within the timeframes and in accordance with the other requirements listed below. Occurrences outside normal business hours may also be reported to the Division's Emergency Response personnel at (800) 662-7956, (800) 858-0368 or (919) 733-3300.

Occurrence	Reporting Timeframes (After Discovery) and Other Requirements
(a) Visible sediment deposition in a stream or wetland	<ul style="list-style-type: none">Within 24 hours, an oral or electronic notification.Within 7 calendar days, a report that contains a description of the sediment and actions taken to address the cause of the deposition. Division staff may waive the requirement for a written report on a case-by-case basis.If the stream is named on the <i>NC 303(d) list</i> as impaired for sediment-related causes, the permittee may be required to perform additional monitoring, inspections or apply more stringent practices if staff determine that additional requirements are needed to assure compliance with the federal or state impaired waters conditions.
(b) Oil spills and release of hazardous substances per item 1(b)-(c) above	<ul style="list-style-type: none">Within 24 hours, an oral or electronic notification. The notification shall include information about the date, time, nature, volume and location of the spill or release.
(c) Anticipated bypasses [40 CFR 122.41(m)(3)]	<ul style="list-style-type: none">A report at least ten days before the date of the bypass, if possible. The report shall include an evaluation of the anticipated quality and effect of the bypass.
(d) Unanticipated bypasses [40 CFR 122.41(m)(3)]	<ul style="list-style-type: none">Within 24 hours, an oral or electronic notification.Within 7 calendar days, a report that includes an evaluation of the quality and effect of the bypass.
(e) Noncompliance with the conditions of this permit that may endanger health or the environment [40 CFR 122.41(i)(7)]	<ul style="list-style-type: none">Within 24 hours, an oral or electronic notification.Within 7 calendar days, a report that contains a description of the noncompliance, and its causes; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time noncompliance is expected to continue; and steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance. [40 CFR 122.41(i)(6). Division staff may waive the requirement for a written report on a case-by-case basis.

APPROVED CONSTRUCTION PLAN

PLANNING	NAME	DATE
TRAFFIC		
FIRE		

STREET ADDRESS	
2066 CEDAR CREEK ROAD	
CITY	STATE
WILMINGTON	NORTH CAROLINA
COUNTY	
NEW HANOVER	
TAX PARCEL NUMBER	LOCATION CODE NUMBER
315806.48.1065.000	32-0204
CSD FILENAME:	
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STATUS	DATE	BY
FINAL	-	-
PLAN CHECKED	-	-
AS-BUILT	-	-

C-5b
NPDES
STABILIZATION PLAN

COMMERCIAL
SITE DESIGN

(919) 948-4021 FAX: (919) 948-3741
WWW.CSDESIGN.COM

8879 CREEDMOOR ROAD
RALEIGH, NORTH CAROLINA 27603

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OFFICE: BALTIMORE REGION
ADDRESS: 6803 ROCKLEDGE DRIVE - SUITE 1100 - BETHESDA, MD 20817

1 RE-USE 1 1/2" DOMESTIC WATER METER, CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANY.

2 INSTALL NEW 2" DOMESTIC REUSE PRESSURE BACKFLOW PREVENTER (MODEL WATTS 009M2QT OR CITY APPROVED EQUIVALENT) IN ABOVE-GROUND HOTBOX ENCLOSURE.

3 2" CPVC DOMESTIC WATER SERVICE, CONTRACTOR SHALL COORDINATE WITH CITY. ALL OTHER LINES SHALL HAVE A FINAL MINIMUM COVER DEPTH OF 3'-0" IN NON-TRAFFIC AREAS AND 4'-0" IN TRAFFIC AREAS UNLESS OTHERWISE NOTED.

4 8" SADDLE WITH 1" CORPORATION STOP, CONTRACTOR TO COORDINATE WITH UTILITY COMPANY.

5 EXISTING FIRE HYDRANT.

6 1" IRRIGATION WATER METER, CONTRACTOR SHALL COORDINATE WITH IRRIGATION CONTRACTOR AND UTILITY.

7 1" IRRIGATION REUSE PRESSURE BACKFLOW PREVENTER (MODEL WATTS 009M2QT OR CITY APPROVED EQUIVALENT) IN ABOVE GROUND HOTBOX ENCLOSURE, CONTRACTOR SHALL COORDINATE WITH IRRIGATION CONTRACTOR AND UTILITY.

8 COORDINATE IRRIGATION CONNECTION AND SLEEVE SIZE WITH IRRIGATION CONTRACTOR.

9 MIXED WATER TO HOSE BIBB IN TRASH CORRAL. NOT TO BE USED FOR TRASH CONTAINER WASHING.

10 4" PVC SANITARY SEWER LINE (SERVICES SHALL BE PVC SDR 35 WITHIN R/W, THEN PVC SCHEDULE 40 TO BUILDING), (BEDDING AND COVER PER SUPPLIER SPECIFICATIONS), NOTE: 1/4"FT MINIMUM SLOPE FOR 4" LINES AND 1/8"FT MINIMUM SLOPE FOR 6" LINES. ALL SEWER LINES SHALL HAVE A FINAL MINIMUM COVER DEPTH OF 4'-0" IN NON-TRAFFIC AREAS AND 5'-0" IN TRAFFIC AREAS UNLESS OTHERWISE NOTED.

11 SANITARY SEWER CLEANOUT PLACED AT 50' INTERVALS, SEE DETAIL SHEET.

12 TRAFFIC RATED SANITARY SEWER CLEANOUT PLACE AT 50' INTERVALS, SEE DETAIL SHEET.

13 1300 GALLON PROCEPTOR GREASE TRAP, PER DETAIL SHEET.

14 TRANSFORMER PAD, CONTRACTOR SHALL COORDINATE LOCATION AND SIZE WITH ELECTRIC UTILITY.

15 POLE MOUNTED AREA LIGHT, SEE LIGHTING PLAN. ALL LOT LIGHT WIRES TO BE CONTINUOUS RUN FROM PANELS TO LOT LIGHTS WITH NO SPLICES, CONTRACTOR TO COORDINATE.

16 UNDERGROUND ELECTRIC SERVICE, CONTRACTOR SHALL COORDINATE WITH ELECTRIC UTILITY, CONTRACTOR TO INSTALL SPARE / BACKUP SET OF CONDUIT.

17 INSTALL ONE - 1" PVC ELECTRICAL CONDUIT FOR ELECTRICAL SERVICE TO TRASH CORRAL.

18 UNDERGROUND TELEPHONE SERVICE, CONTRACTOR SHALL COORDINATE WITH TELEPHONE COMPANY.

19 OPEN CUT, COORDINATE WITH DOT.

20 6" PVC SANITARY SEWER LINE (SERVICES SHALL BE PVC SDR 35 WITHIN R/W, THEN PVC SCHEDULE 40 TO BUILDING), (BEDDING AND COVER PER SUPPLIER SPECIFICATIONS), NOTE: 1/4"FT MINIMUM SLOPE FOR 4" LINES AND 1/8"FT MINIMUM SLOPE FOR 6" LINES. ALL SEWER LINES SHALL HAVE A FINAL MINIMUM COVER DEPTH OF 4'-0" IN NON-TRAFFIC AREAS AND 5'-0" IN TRAFFIC AREAS UNLESS OTHERWISE NOTED.

21 CORE AND RUBBER BOOT EXISTING SANITARY SEWER MANHOLE. CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANY PRIOR TO ANY CONSTRUCTION.

22 ABANDON EXISTING SANITARY SEWER SERVICE. CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANY PRIOR TO ANY CONSTRUCTION.

ROOF DRAIN TO DISCHARGE INTO
NEW CATCH BASIN CONSTRUCTED BY
NCDOT. IF NCDOT WORK HAS NOT
BEEN COMPLETED PLEASE
COORDINATE WITH MCDONALDS ACM.

NOTE TO CONTRACTOR:
GENERAL CONTRACTOR SHALL FIELD VERIFY ALL
UTILITIES FOR VERIFICATION OF EXACT LOCATION
AND DEPTH PRIOR TO ANY CONSTRUCTION.

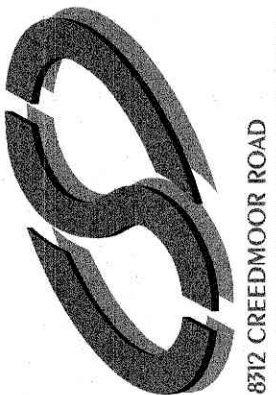
UTILITY INFORMATION SHOWN IS A COMBINATION
OF SURVEY AND COUNTY AS-BUILTS.

UTILITY NOTES:

1. THE CONTRACTOR SHALL VERIFY LOCATION AND ELEVATION OF ALL UNDERGROUND UTILITIES. THE LOCATION OF ALL EXISTING UTILITIES ARE NOT NECESSARILY SHOWN ON THE PLANS AND WHERE SHOWN ARE ONLY APPROXIMATE. THE CONTRACTOR SHALL ON HIS INITIATIVE AND AT NO EXTRA COSTS HAVE LOCATED ALL UNDERGROUND LINES AND STRUCTURES AS NECESSARY. NO CLAIMS FOR DAMAGES OR EXTRA COMPENSATION SHALL ACCRUE TO THE CONTRACTOR FROM THE PRESENCE OF SUCH PIPE. OTHER OBSTRUCTIONS OR FROM ANY DELAY DUE TO REMOVAL OR REARRANGEMENT OF SUCH PIPE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO UNDERGROUND STRUCTURES. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING ALL NON-SUBSCRIBING UTILITIES. THE CONTRACTOR(S) SHALL CONTACT NORTH CAROLINA 811 OR CALL 1-800-632-4949 FOR ASSISTANCE IN LOCATING EXISTING UTILITIES. CALL AT LEAST 48 HOURS PRIOR TO ANY DIGGING.
2. UTILITY INFORMATION SHOWN HEREON WAS OBTAINED FROM THE BEST AVAILABLE SOURCE AND MAY OR MAY NOT BE EITHER ACCURATE OR COMPLETE. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR VERIFYING EXACT LOCATIONS OF EXISTING UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES SHOWN HEREON OR NOT SHOWN HEREON. ANY REPAIRS SHALL BE DONE TO THE SATISFACTION OF THE APPROPRIATE UTILITY COMPANY.
3. THE GENERAL CONTRACTOR SHALL CONFIRM ALL NEW UTILITY PLAT LOCATIONS WITH THE UTILITY OWNERS.
4. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO VERIFY THE ACTUAL LOCATION AND AVAILABILITY OF ALL EXISTING AND PROPOSED UTILITIES IN THE FIELD PRIOR TO GROUND BREAKING.
5. MINIMUM COVER FOR CONDUITS SHALL BE 36 INCHES UNLESS OTHERWISE SHOWN OR NOTED ON THESE PLANS.
6. ALL MANHOLES, VALVES AND MONUMENT FRAMES SHALL BE SET TO FINISH GRADE AFTER PAVING.
7. THE CONTRACTOR SHALL COMPLY WITH THE RULES AND REGULATIONS OF THE STATE CONSTRUCTION SAFETY ORDERS. TRENCHES SHALL BE SHORED IN ACCORDANCE WITH OSHA.
8. OCCUPATIONAL HEALTH AND SAFETY ADMINISTRATION (OSHA) STANDARDS FOR EXCAVATIONS: FINAL RULE 29CFR PART 1926, SUBPART "F" APPLIES TO ALL EXCAVATIONS EXCEEDING 5 FEET IN DEPTH. EXCAVATION EXCEEDING TWENTY (20) FEET IN DEPTH REQUIRES THE DESIGN OF A TRENCH SAFETY SYSTEM BY A REGISTERED PROFESSIONAL ENGINEER.
9. EQUIPMENT AND PRODUCTS OTHER THAN THOSE SPECIFIED MAY BE USED PROVIDED PRIOR APPROVAL HAS BEEN OBTAINED FROM THE OWNER IN WRITING PRIOR TO ANY DIGGING OR INSTALLATION. THE CONTRACTOR SHALL WAIVE ANY CLAIM FOR ADDITIONAL COST RELATED TO THE SUBSTITUTION OF ALTERNATE EQUIPMENT.
10. CONTRACTOR SHALL MAINTAIN AN "AS-BUILT" SET OF DRAWINGS TO RECORD THE EXACT LOCATION OF ALL PIPING PRIOR TO POWER LAYER. DRAWINGS SHALL BE GIVEN TO THE OWNER UPON COMPLETION OF THE PROJECT WITH A COPY OF THE TRANSMITTAL LETTER TO THE ENGINEER.
11. ALL UTILITY CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF CAPE FEAR PUBLIC UTILITIES AND CROSS CONNECTION CONTROL REGULATIONS AND STANDARDS.
12. SITE UTILITY CONTRACTOR TO PROVIDE WATER, SANITARY SEWER, AND ROOF DRAIN LEADERS TO WITHIN 5 FEET OF THE BUILDING. CONTRACTOR SHALL COORDINATE SITE PLAN CONNECTIONS WITH THE ARCHITECTURAL BUILDING PLANS.
13. RELATION OF WATER MAINS TO SEWERS:
 - A. CROSSING A WATER MAIN OVER A SEWER: WATER MAINS SHALL BE LAID AT LEAST 10 FEET LATERALLY FROM EXISTING OR PROPOSED SEWERS UNLESS LOCAL CONDITIONS OR BARRIERS PREVENT A 10 FOOT LATERAL SEPARATION, IN WHICH CASE:
 1. THE WATER MAIN IS LAID IN A SEPARATE TRENCH, WITH THE ELEVATION OF THE BOTTOM OF THE WATER MAIN AT LEAST 18 INCHES ABOVE THE TOP OF THE SEWER OR
 2. THE WATER MAIN IS LAID IN THE SAME TRENCH AS THE SEWER LINE WITH THE WATER MAIN LOCATED AT ONE SIDE ON A BENCH OF UNDISTURBED EARTH, AND ABOVE THE TOP OF THE SEWER.
 - B. CROSSING A WATER MAIN UNDER A SEWER MAIN:
 1. WHENEVER IT IS NECESSARY FOR A WATER MAIN TO CROSS OVER A SEWER THE WATER MAIN SHALL BE LAID AT SUCH AN ELEVATION THAT THE BOTTOM OF THE WATER MAIN IS AT LEAST 18 INCHES ABOVE THE TOP OF THE SEWER MAIN, UNLESS LOCAL CONDITIONS OR BARRIERS PREVENT AN 18 INCH VERTICAL SEPARATION - IN WHICH CASE BOTH THE WATER MAIN AND SEWER MAIN SHALL BE CONSTRUCTED OF FERROUS MATERIALS AND WITH JOINTS THAT ARE EQUIVALENT TO WATER MAIN STANDARDS FOR A DISTANCE OF 10 FEET ON EACH SIDE OF THE POINT OF CROSSING.
 2. CROSSING A WATER MAIN UNDER A SEWER MAIN:
 - WHENEVER IT IS NECESSARY FOR A WATER MAIN TO CROSS UNDER A SEWER MAIN BOTH THE WATER MAIN AND SEWER MAIN SHALL BE CONSTRUCTED OF FERROUS MATERIALS AND WITH JOINTS EQUIVALENT TO WATER MAIN STANDARDS FOR A DISTANCE OF 10 FEET ON EACH SIDE OF THE POINT OF CROSSING.
 3. CROSSING A SEWER LINE OVER OR UNDER A STORM DRAIN:
 - WHENEVER IT IS NECESSARY FOR A SEWER LINE TO CROSS A STORM DRAIN PIPE, THE SEWER LINES SHALL BE LAID AT SUCH AN ELEVATION THAT THE OUTSIDE OF THE SEWER LINE NEAREST TO THE OUTSIDE OF THE STORM DRAIN PIPE SHALL MAINTAIN A 12 INCH CLEAR SEPARATION DISTANCES, OR ENCASED IN EITHER CONCRETE OR DUCTILE IRON PIPE FOR AT LEAST 5 FEET ON EITHER SIDE OF THE CROSSING.
 14. UNDERGROUND CONDUITS TO SIGNS, LOT LIGHTS, ETC., SHALL BE PLACED IN GRASS OR LANDSCAPE AREAS WHENEVER POSSIBLE. THE LOCATION OF THE CONDUIT AS SHOWN ON THESE PLANS SHALL BE CONSIDERED TO BE SCHEMATIC WITH THE EXCEPT THAT THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION OF THE CONDUIT. ALL SLEEVES SHALL BE INSTALLED FOR ALL CROUCH CROSSING UNDER PAVED AREA.
 15. THE CONTRACTOR SHALL COORDINATE WITH ALL UTILITY COMPANIES TO DETERMINE EXACT POINT OF SERVICE CONNECTION AT EACH BUILDING. THE CONTRACTOR SHALL PROVIDE THE BUILDING ELECTRICAL AND PLUMBING DRAWINGS FOR UTILITY SERVICE ENTRANCE LOCATIONS, SIZES AND CIRCUITING.

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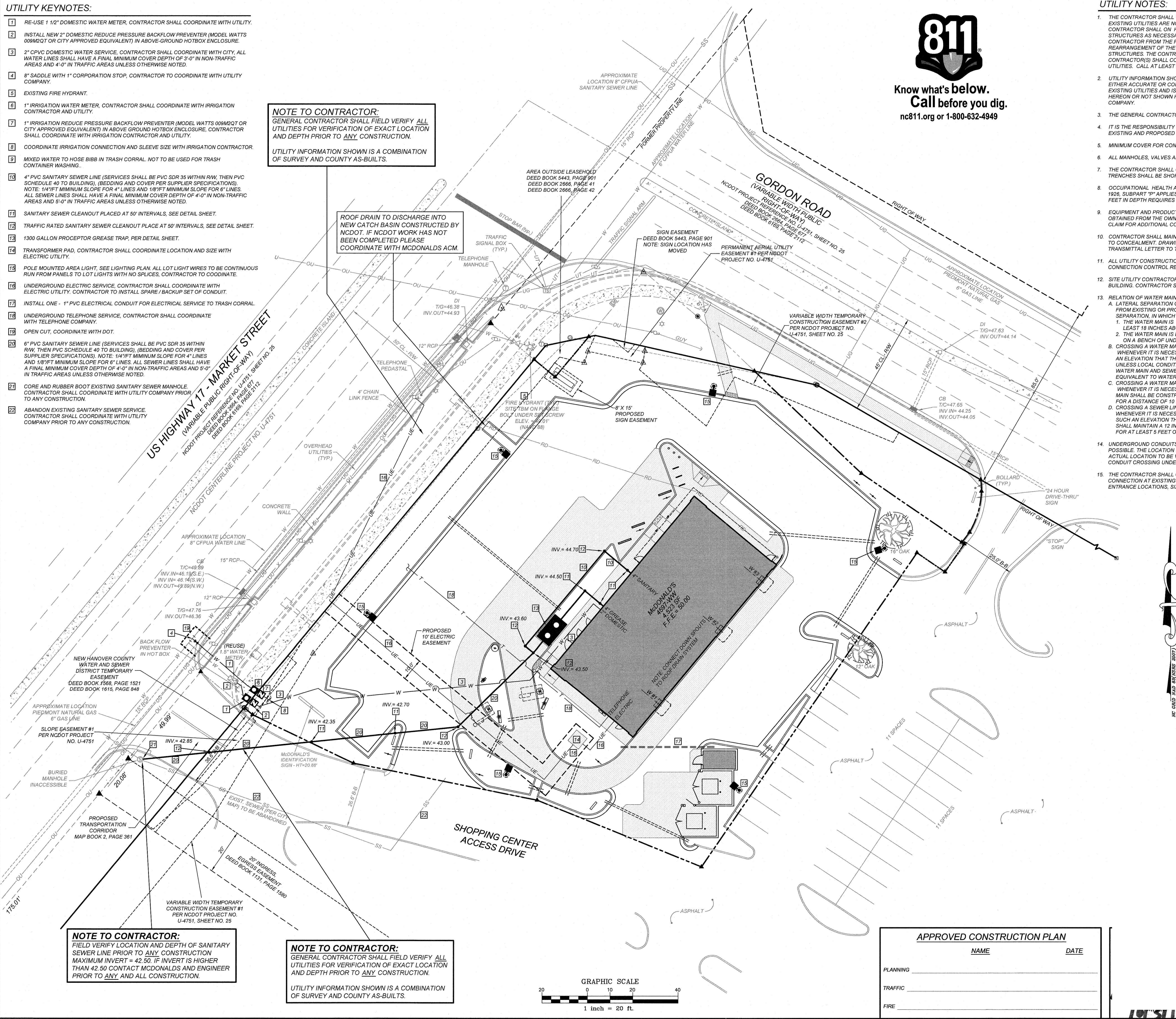
**COMMERCIAL
SITE DESIGN**



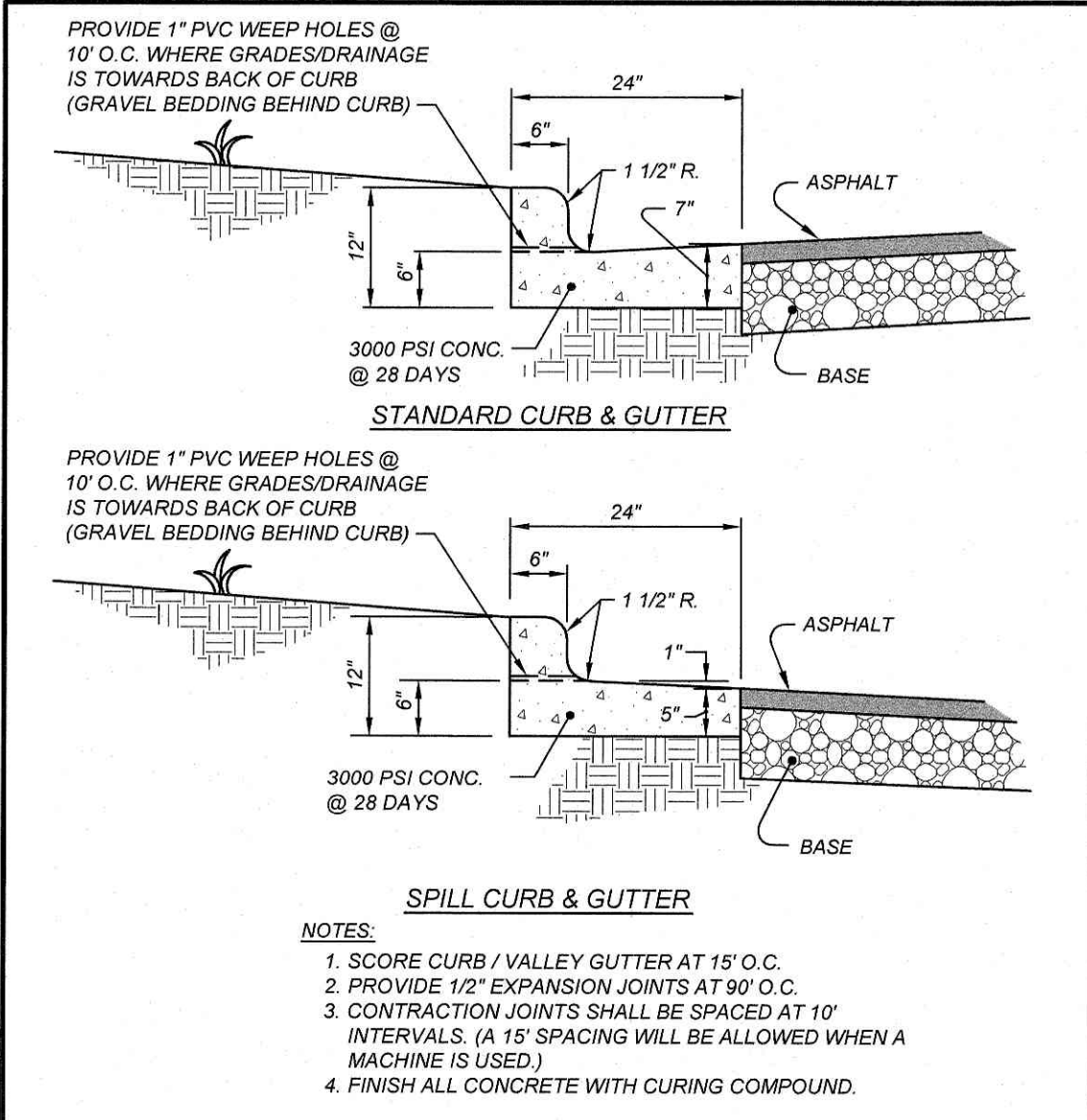
McDonald's®

OFFICE	BALTIMORE REGION
ADDRESS	6903 ROCKLEDGE DRIVE - SUITE 1100 - BETHESDA, MD, 20817

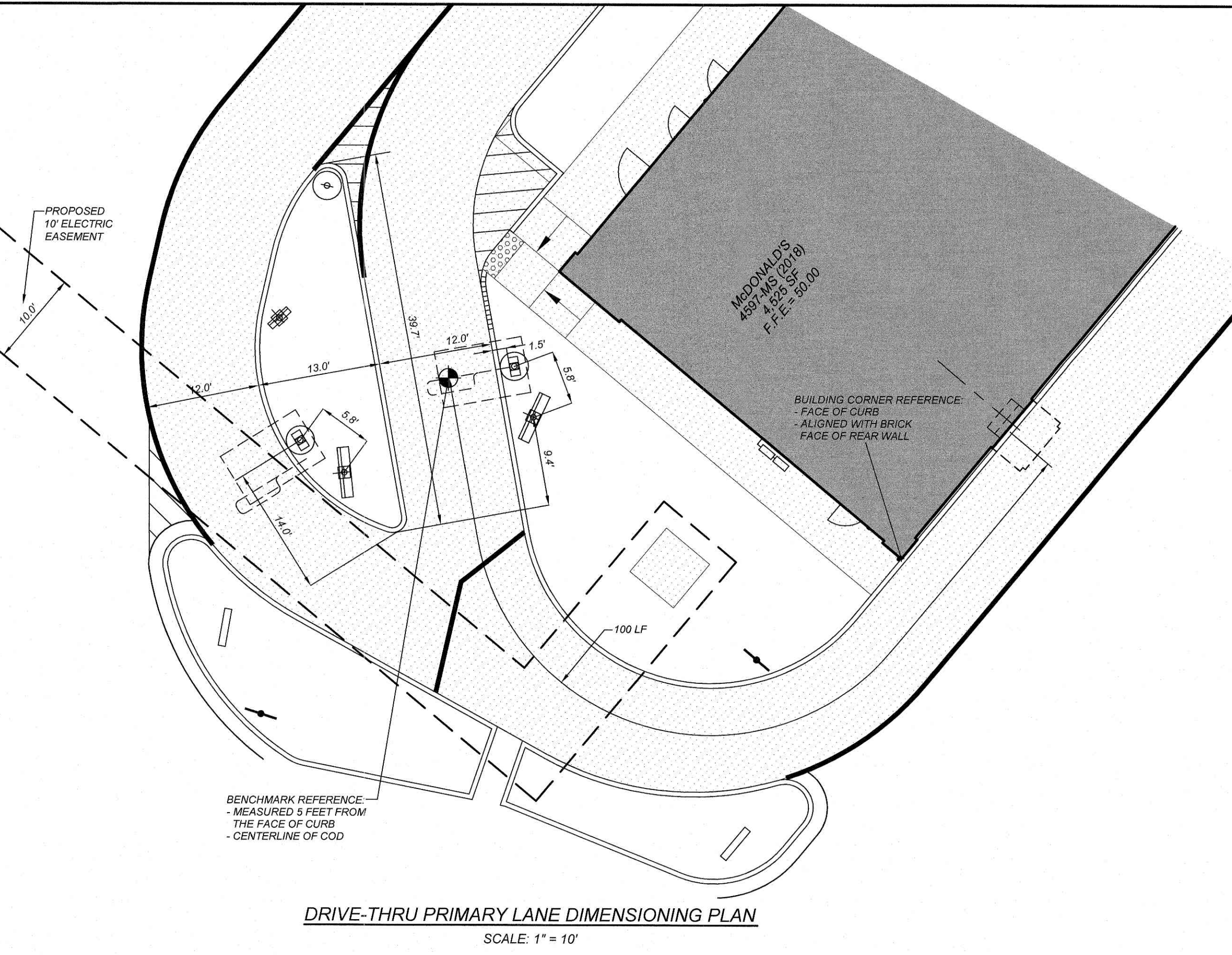
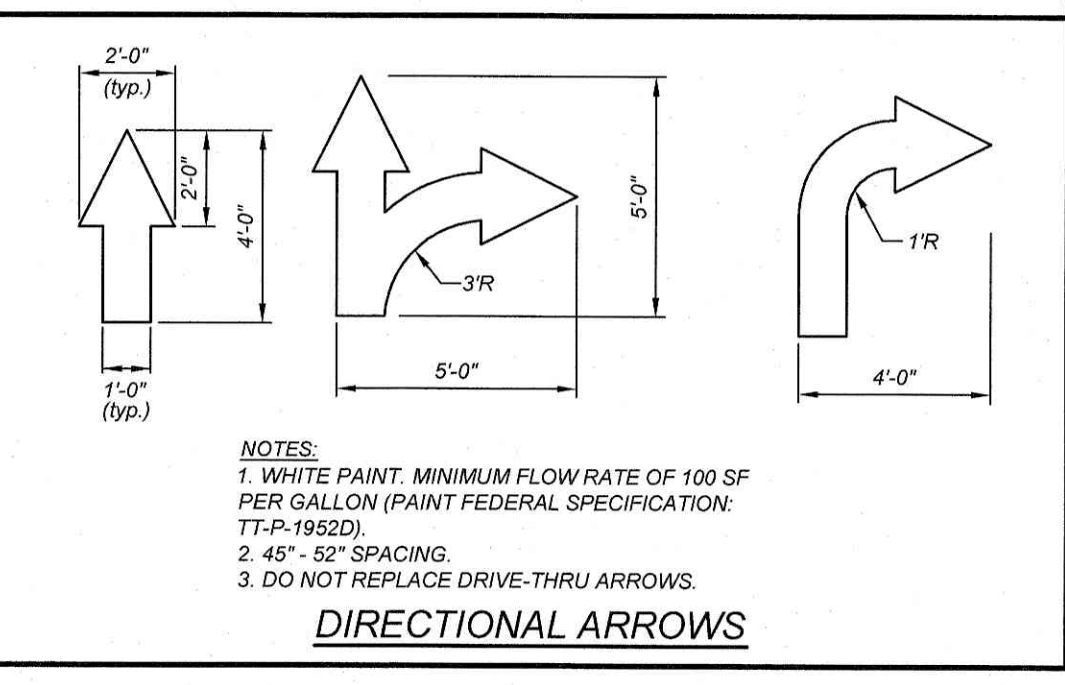
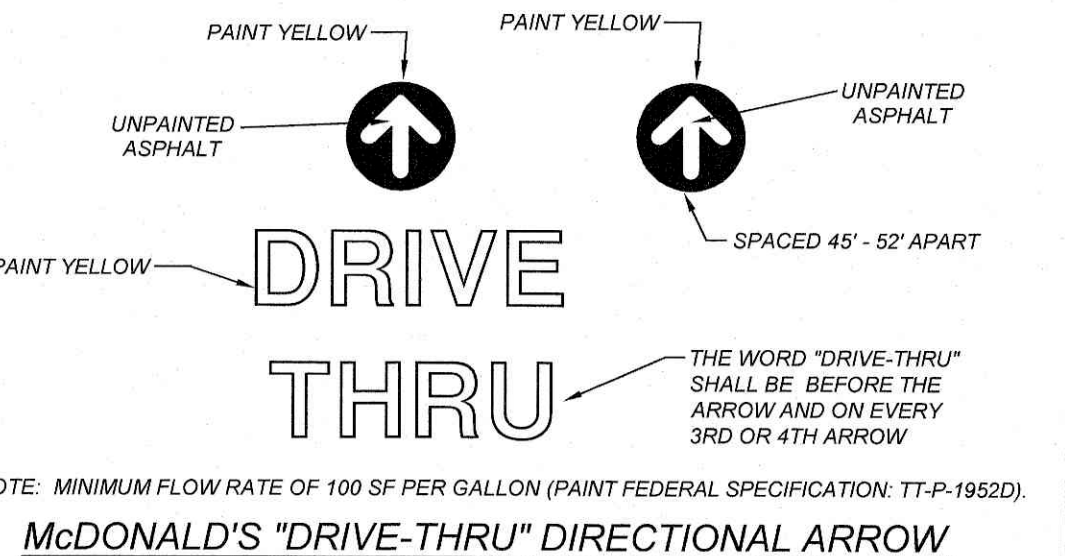
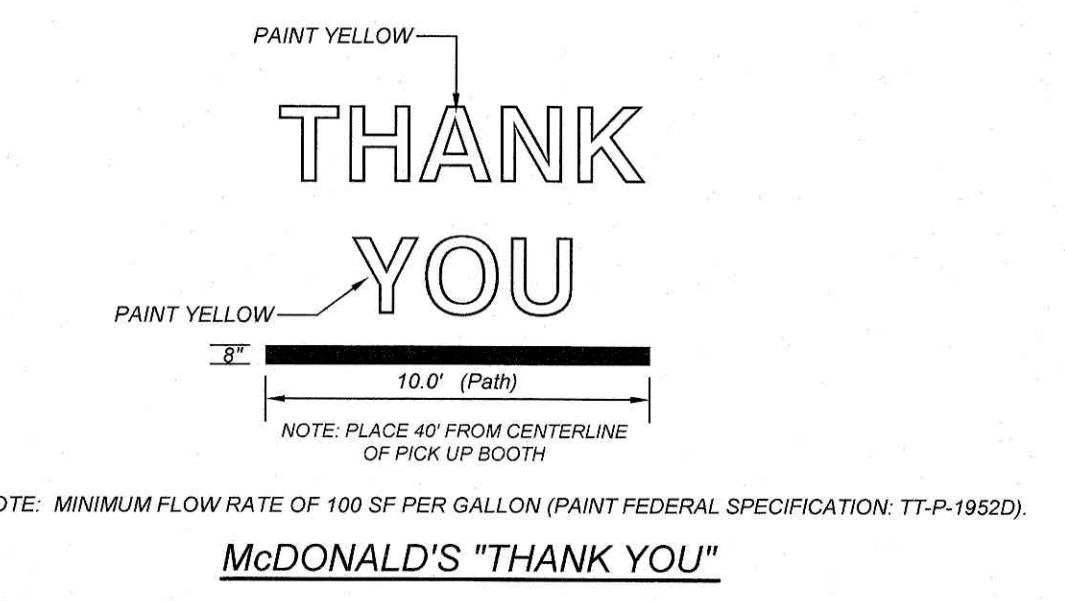
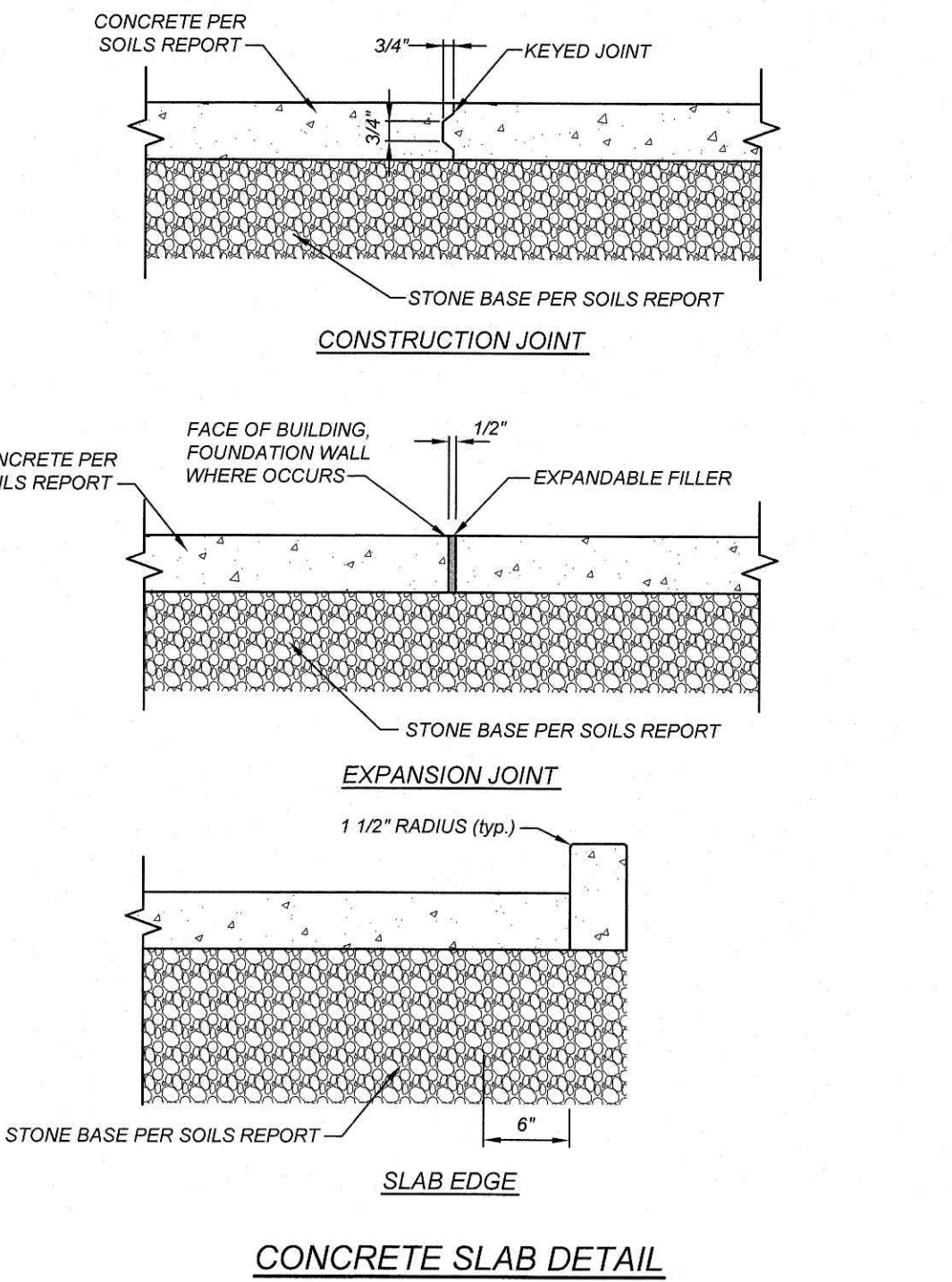
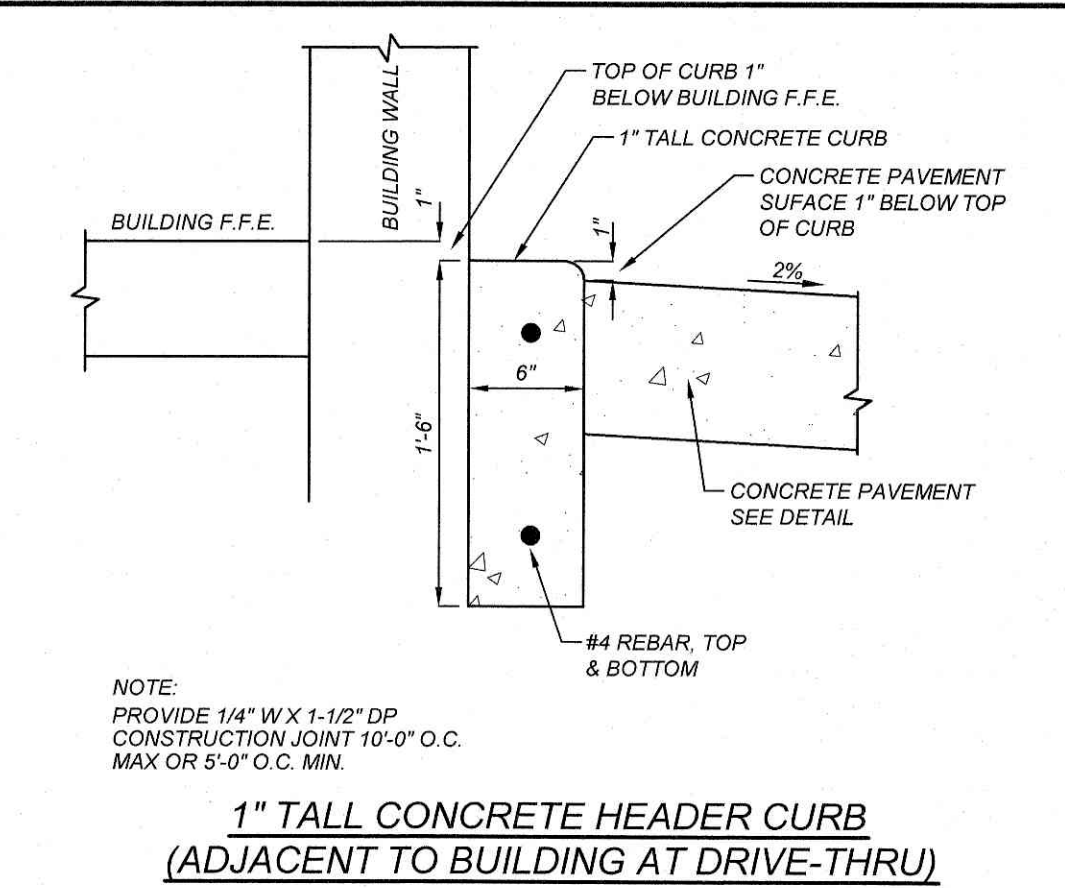
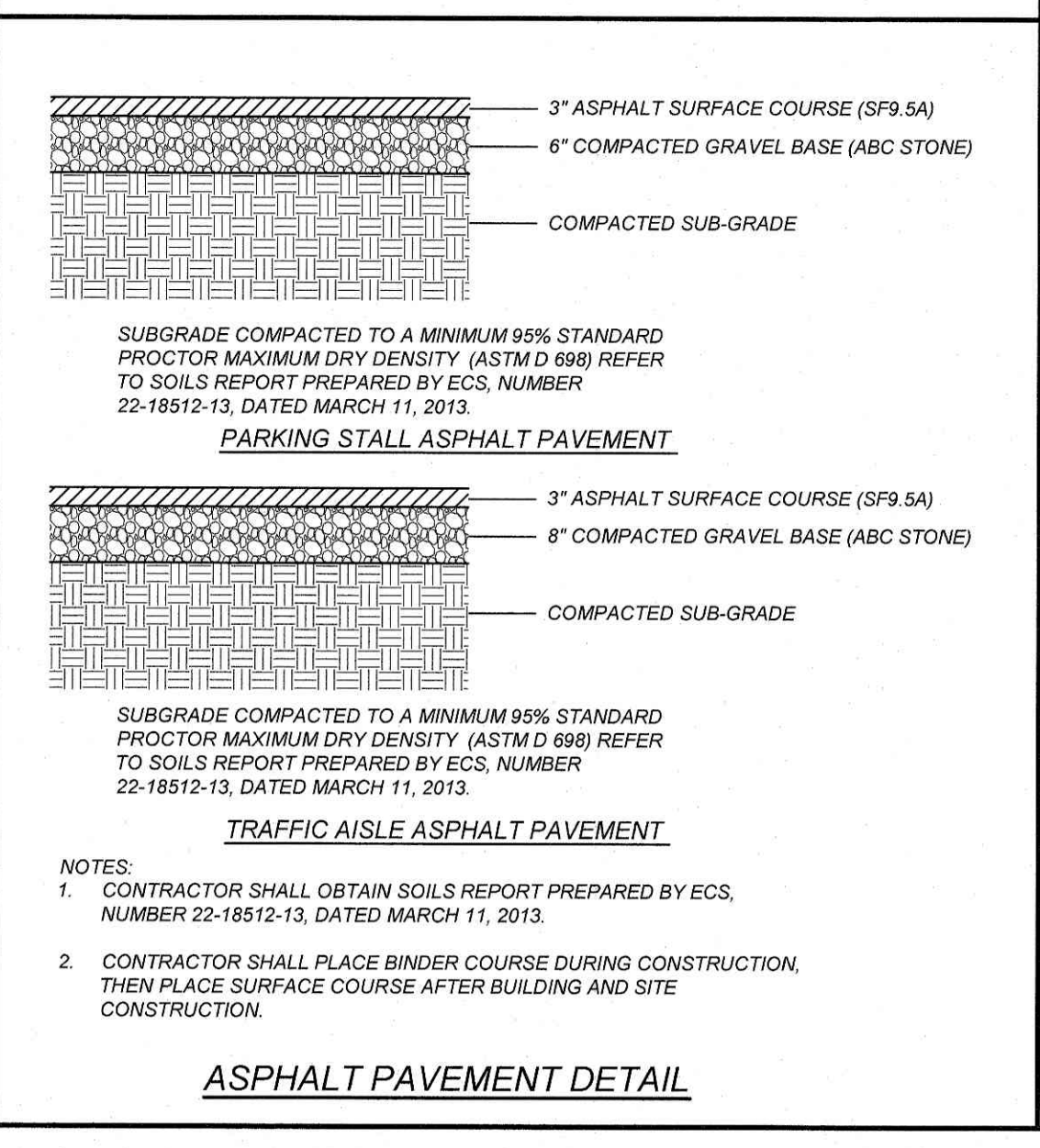
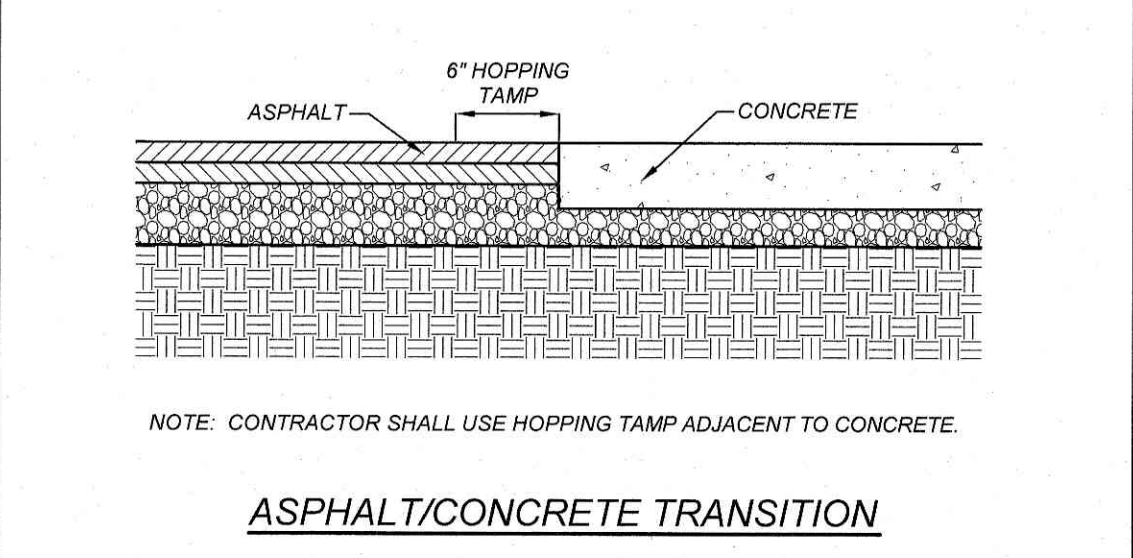
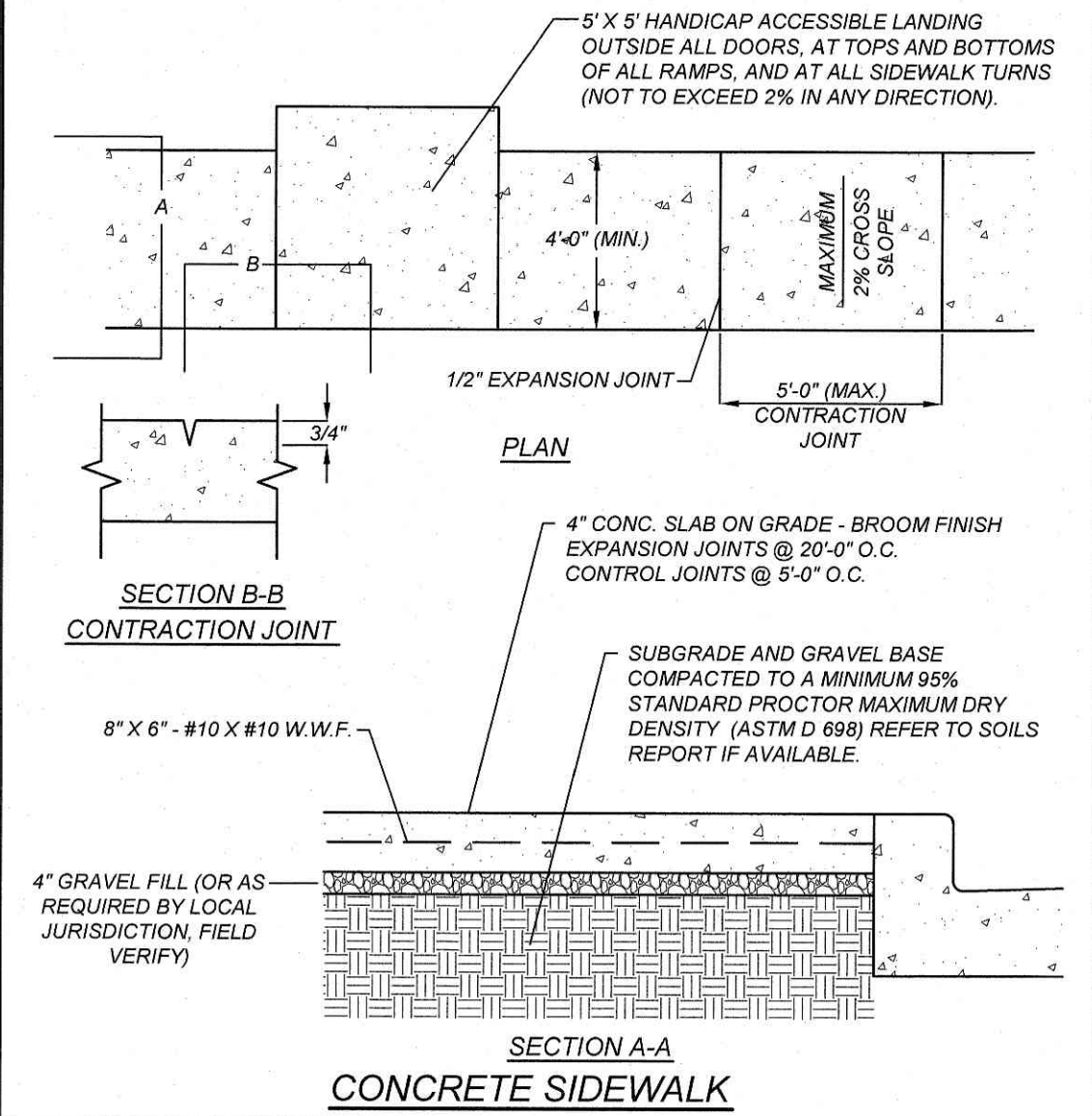
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SIGNATURE (2 REQUIRED)		DATE			
REGIONAL MGR.					
REGIONAL DEV. DIRECTOR					
REGIONAL CONSTRUCTION MGR.					
REGIONAL REAL ESTATE MGR.					
AREA CONSTRUCTION MGR.					
CONTRACTOR					
STATUS		DATE	BY		
FINAL		-	-		
PLAN CHECKED		-	-		
AS-BUILT		-	-		
C-6 UTILITY PLAN					



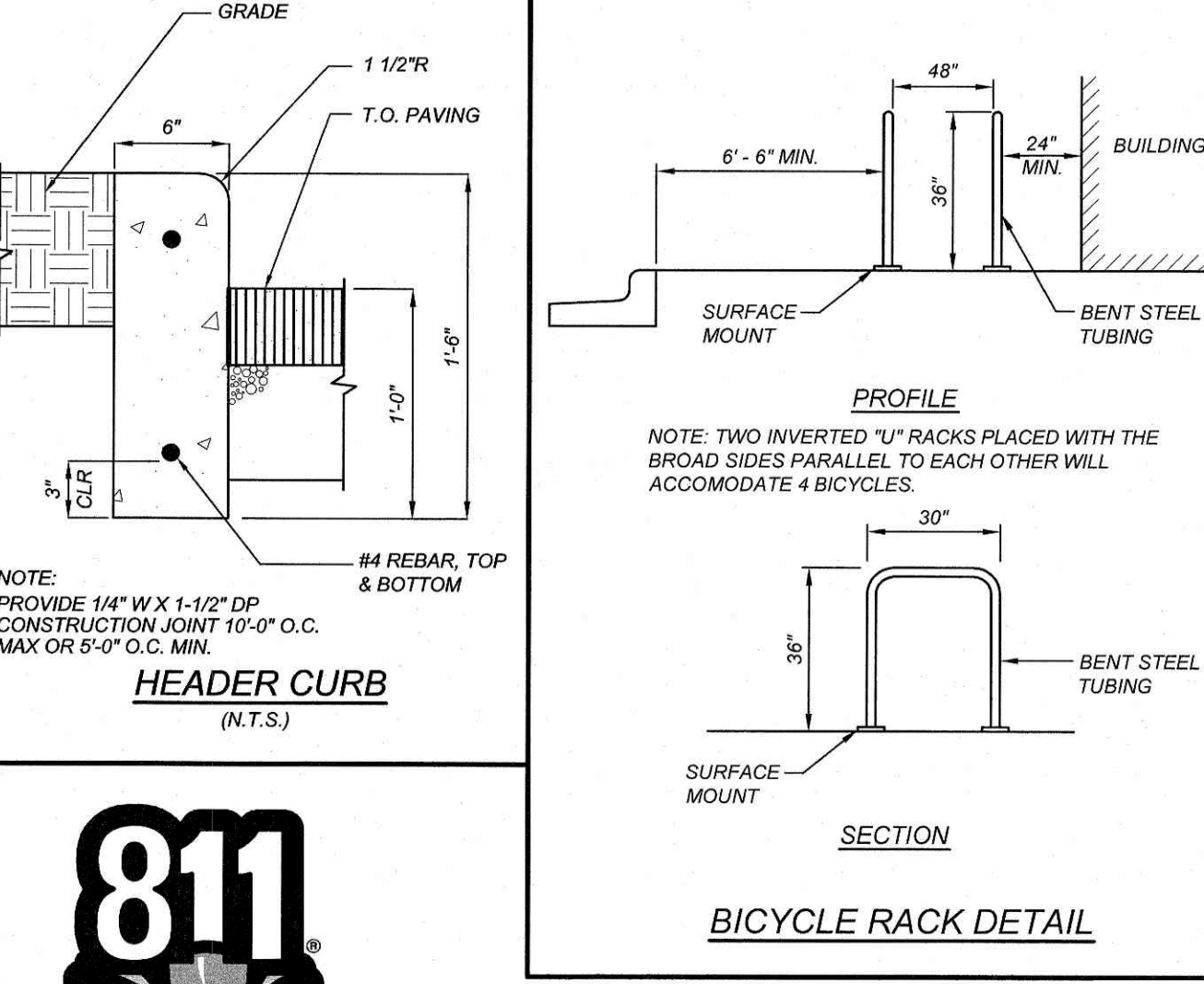
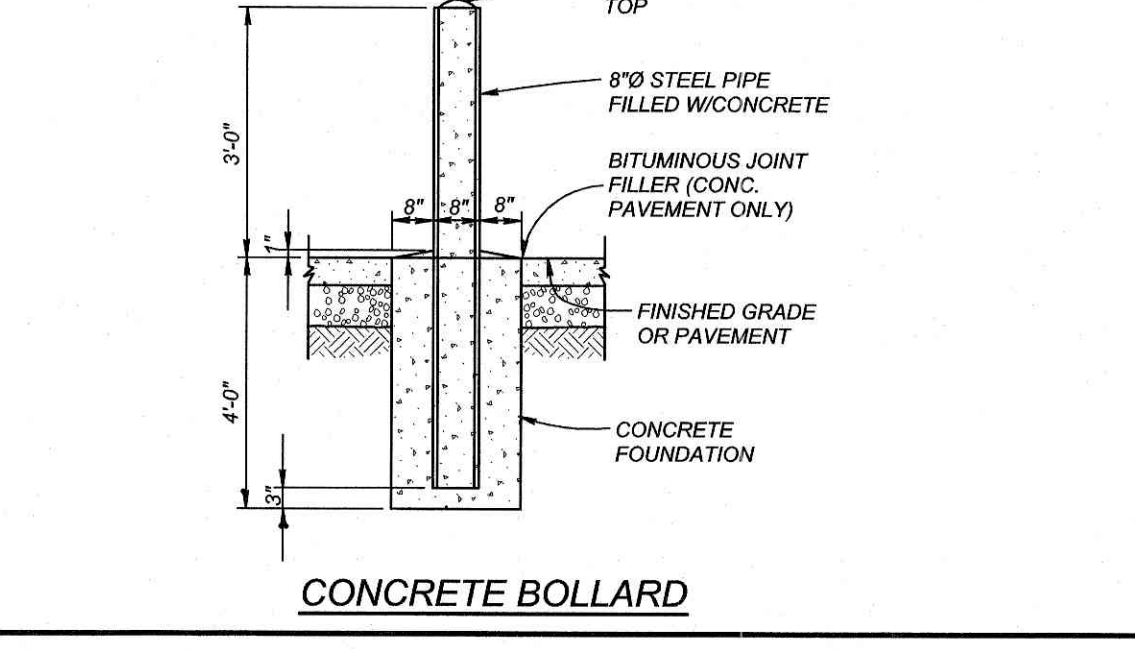
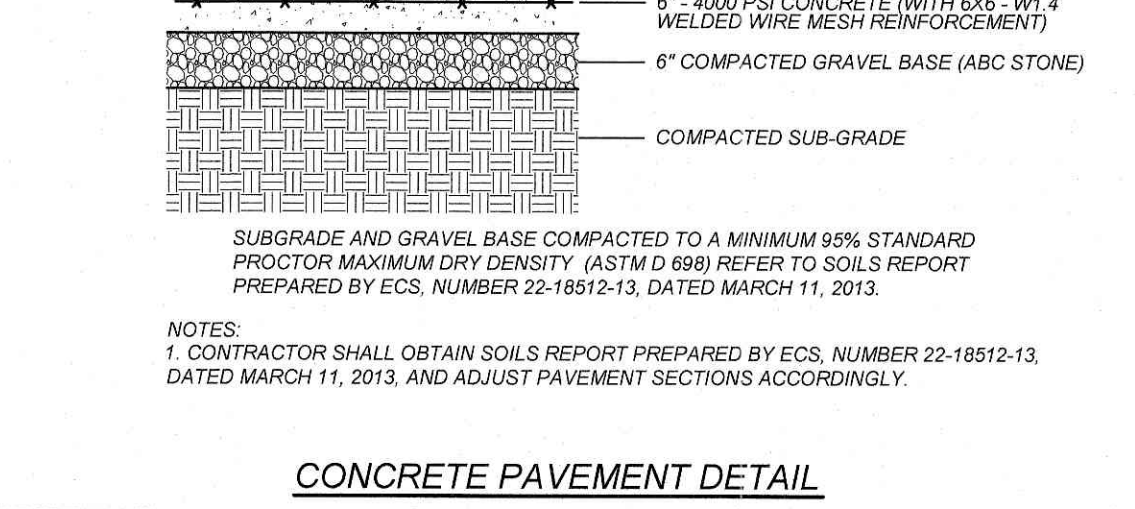
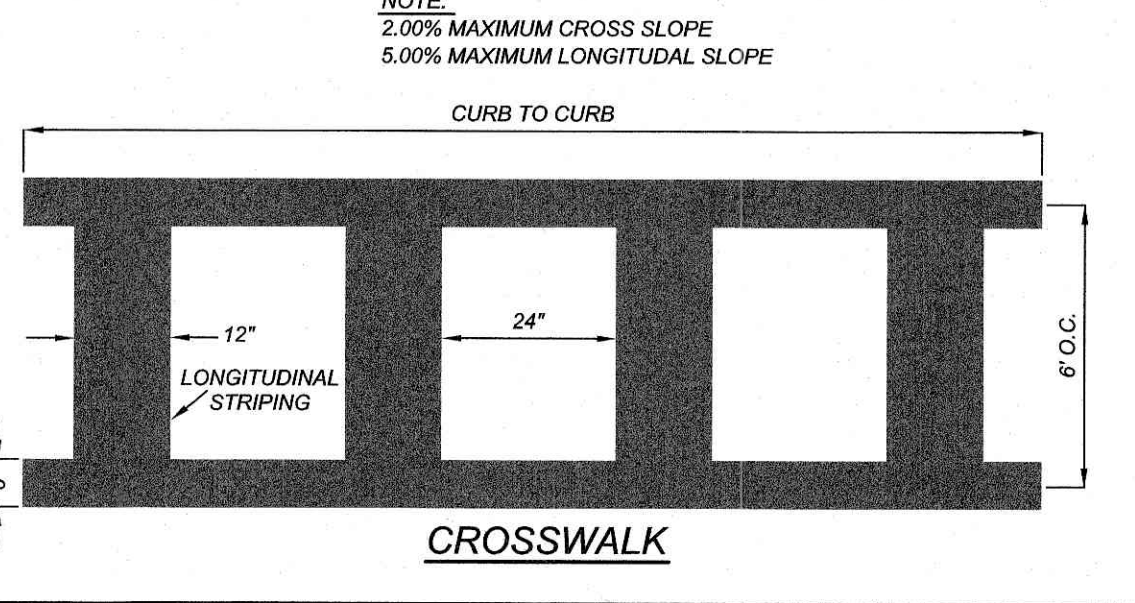
\\MCD - McDonalds\200 Sites\1221 - Wilmington, NC @ Ogden 32-0204\CAD\MCD\1221-DTL.dwg, 10/31/2019 3:28:06 PM, Jener, 1:10



2'-0" STANDARD CURB AND GUTTER



- ISLAND LAYOUT/DRIVE-THRU ELEMENTS NOTES - PRIMARY LANE:
1. DETERMINE THE DISTANCE TO THE CENTERLINE OF THE COD FACE ONLY AFTER THE CONCRETE CURB HAS BEEN EITHER FORMED OR POURED.
 2. ONCE THE CONCRETE CURB HAS BEEN FORMED OR POURED, ESTABLISH THE BENCHMARK DISTANCE FROM THE CENTERLINE OF THE OPEN CASH BOOTH WINDOW (NOT CENTERLINE OF OPENING) TO THE CENTERLINE OF THE COD FACE, MEASURING FIVE (5) FEET FROM THE FACE OF CURB.
 3. ESTABLISH THE BENCHMARK AT THE CENTERLINE OF COD FACE, AT THE FACE OF CURB. USE THIS BENCHMARK TO DETERMINE THE FOUNDATION LOCATIONS FOR THE COD AND THE MENU BOARD.
 4. DIMENSIONS TO COD AND MENU BOARD LOCATIONS REFERENCE CIRCULAR FOUNDATION CENTERPOINTS. REFER TO FOUNDATION DETAILS FOR FOUNDATION DIAMETERS AND INSTALLATION REQUIREMENTS ADJUTING CONCRETE CURBS.
 5. MENU BOARD TO BE SET AT A 45 DEGREE ANGLE, REFERENCED ALONG THE STRAIGHT CONCRETE CURB SECTION OF THE PRIMARY LANE.

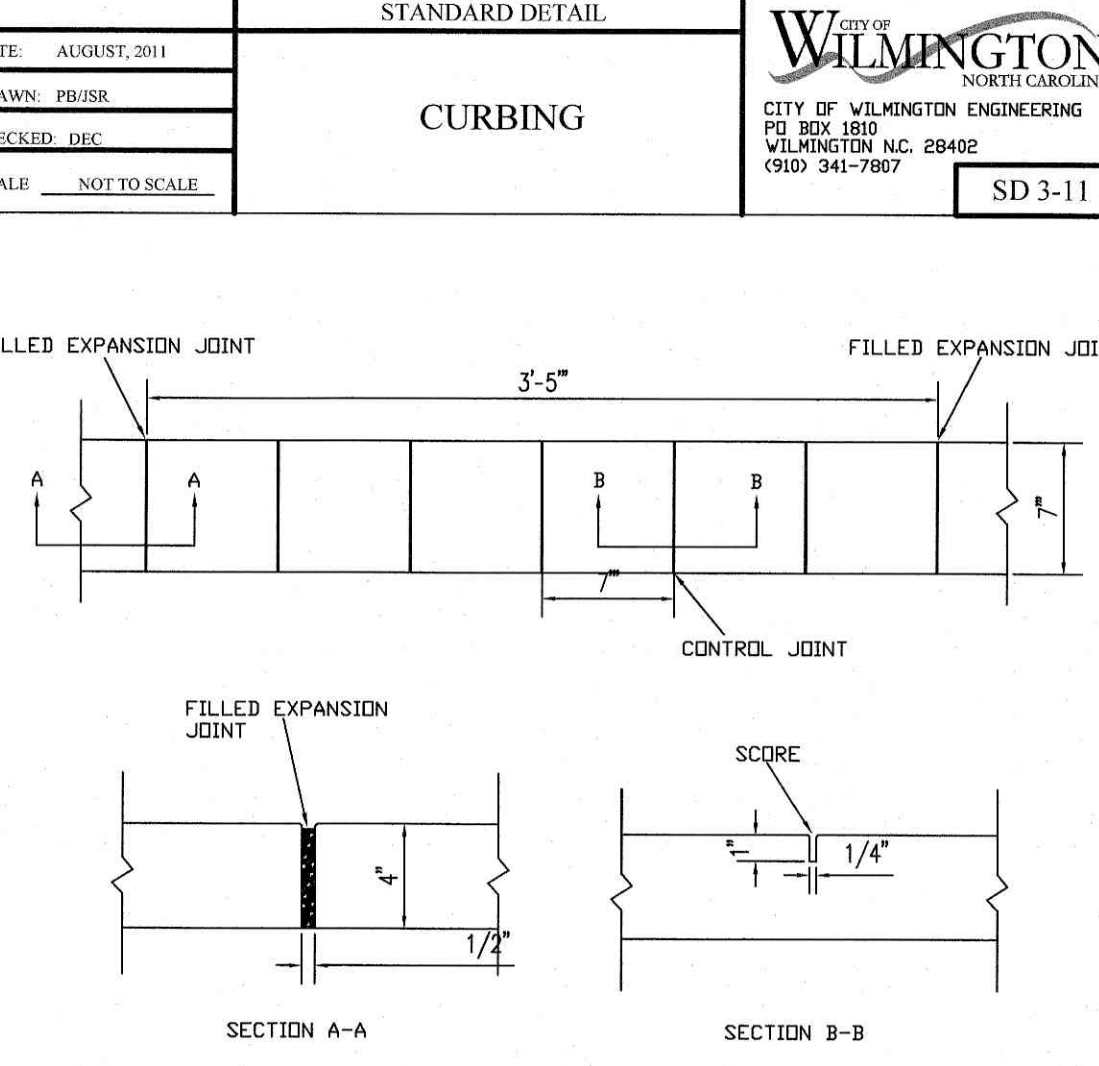
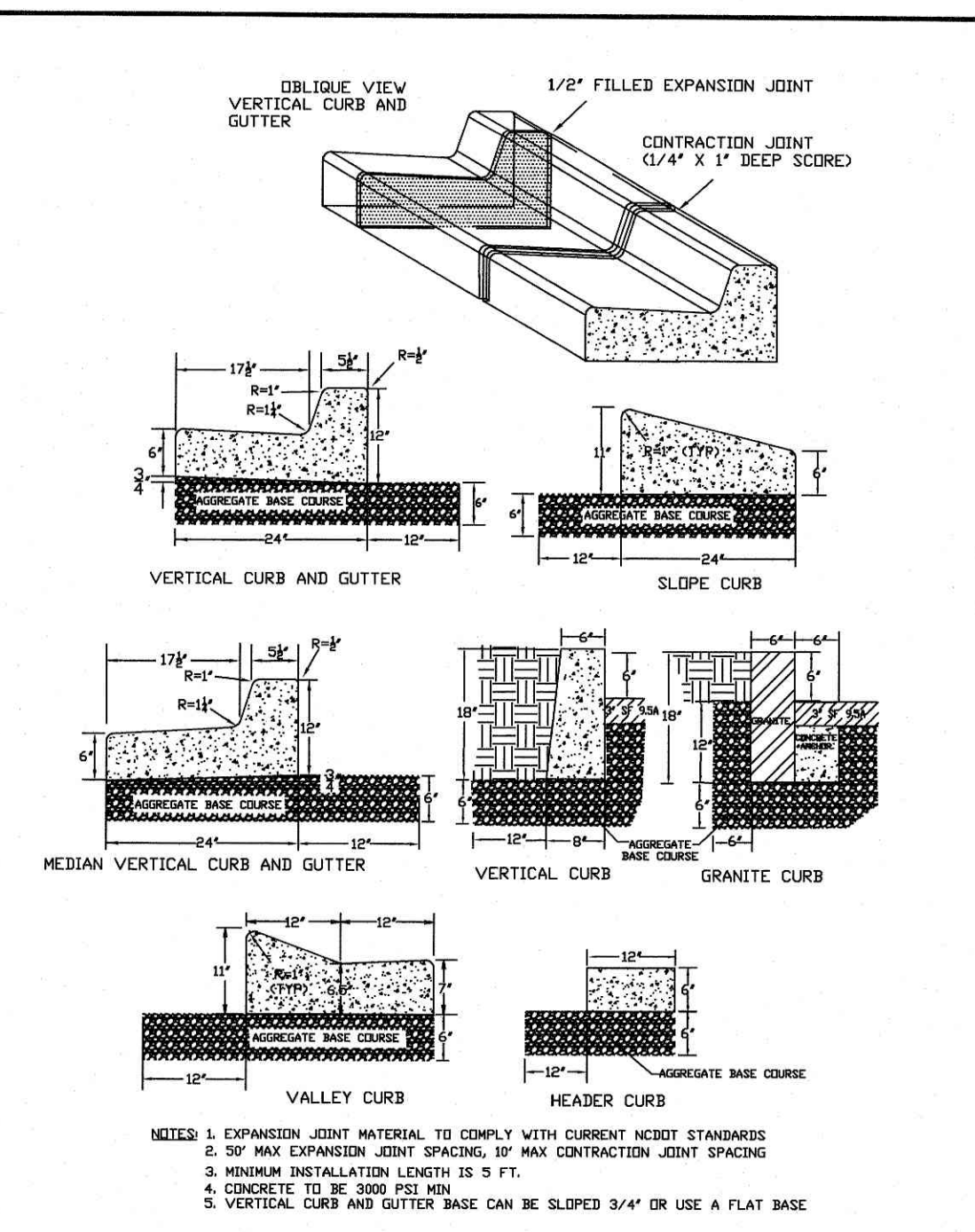


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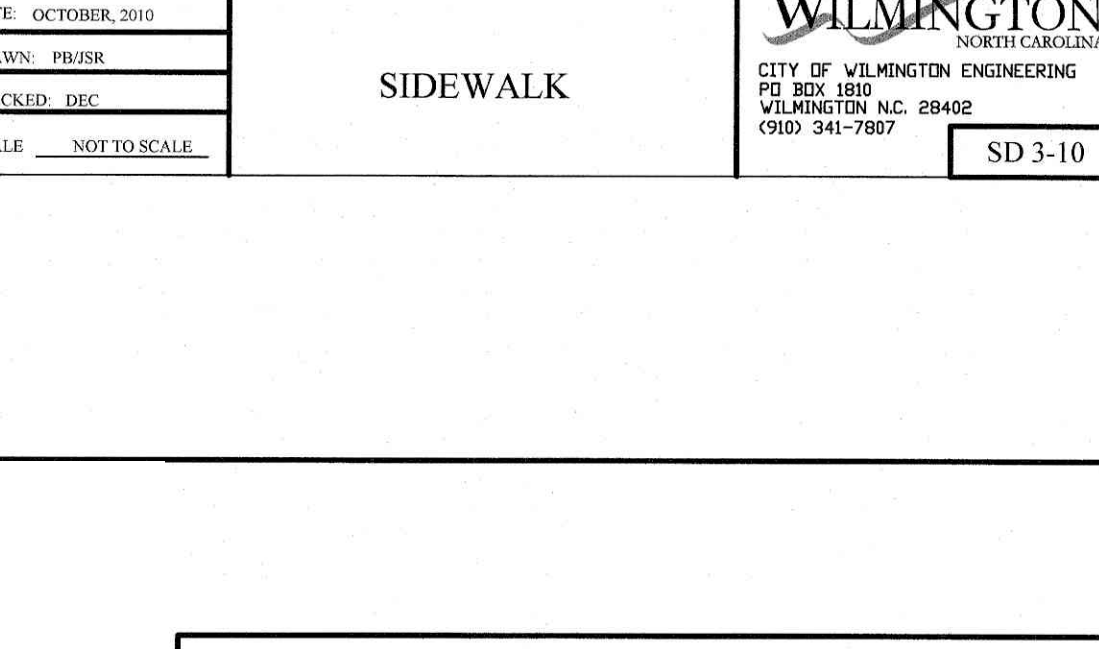
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APPROVED CONSTRUCTION PLAN

NAME	DATE
PLANNING	
TRAFFIC	
FIRE	



- NOTES:
1. JOINT MATERIAL TO COMPLY WITH CURRENT NCOT STANDARDS.
 2. SANITARY SEWER CLEAN-OUTS, WATER METERS, MANHOLES, AND VALVE LIDS TO BE LOCATED OUTSIDE SIDEWALK WHERE FEASIBLE.
 3. MINIMUM SIDEWALK WIDTH TO BE 6' MINIMUM IF PLACED AT BACK OF CURB.
 4. CONCRETE FOR ALL SIDEWALKS EXCEPT ANY PORTION CONTAIN WITHIN A DRIVEWAY APRON SHALL BE CLASS "A" - 3,000 PSI.
 5. MINIMUM REPLACEMENT FOR REPAIRS IS A 5' X 5' PANEL.
 6. 4" STONE BASE MAY BE REQUIRED FOR POOR SOIL CONDITIONS.
 7. MINIMUM DEPTH FOR TUNNELING BELOW SIDEWALK IS 12".
 8. MAX ADJACENT GROUND SLOPE WITHOUT RAILING IS 2:1.
 9. MIN GRADE FOR PROPER DRAINAGE IS 1% IN AT LEAST 1 DIRECTION. MAX CROSS SLOPE IS 2%. MAX LONGITUDINAL SLOPE IS 0.3%, 10% IF LIMITED BY CONDITIONS, OR NO GREATER THAN THE SLOPE OF THE EXISTING ADJACENT ROAD.



PLAN SCALE: NOT TO SCALE

STREET ADDRESS

2066 CEDAR CREEK ROAD

CITY	STATE
WILMINGTON	NORTH CAROLINA

COUNTY	TAX PARCEL NUMBER	LOCATION CODE NUMBER
NEW HANOVER	315806.48.1065.000	32-0204

CSD FILENAME: MCD1221-DTL1

REV	DATE	DESCRIPTION	BY	ISSUED
1	07-31-19	PERMIT ISSUE	DDH	
2	10-28-19	CITY TRC #1 & BRAND COMMENTS	JWR	

McDonald's

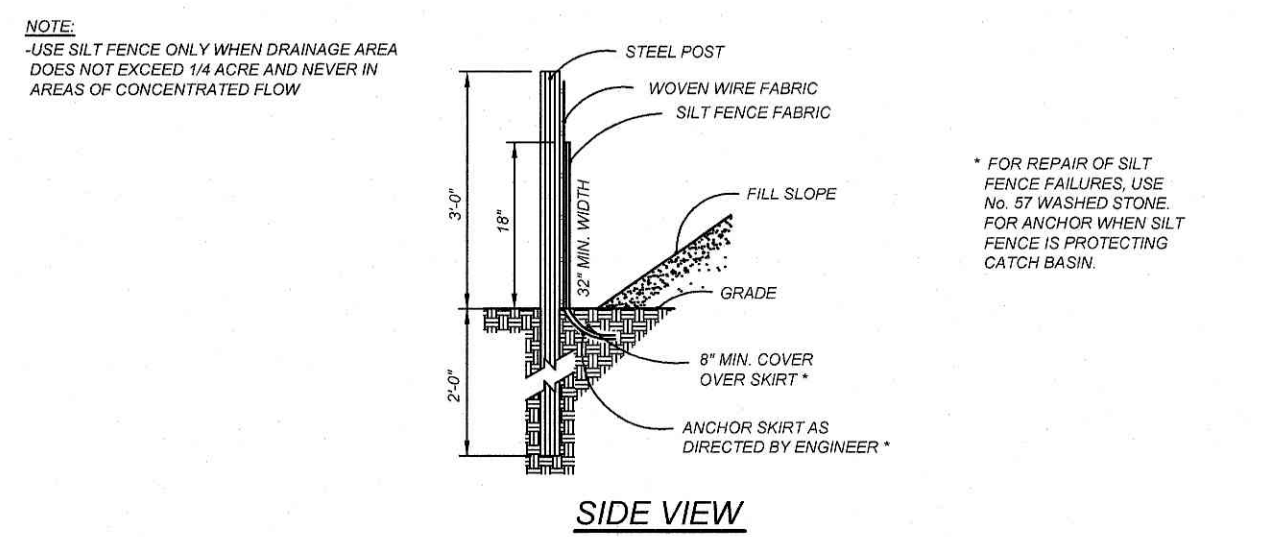
COMMERCIAL SITE DESIGN

8912 CREEDMOOR ROAD
RALEIGH, NORTH CAROLINA 27613

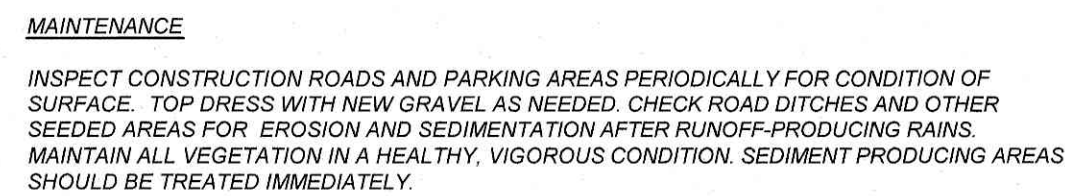
(919) 845-6101 FAX: (919) 845-7741
WWW.CSTDDESIGN.COM

PLAN APPROVAL	DATE	SIGNATURE (2 REQUIRED)	STATUS	DATE	BY
REGIONAL MGR.			FINAL	-	-
REGIONAL DEY. DIRECTOR			PLAN CHECKED	-	-
REGIONAL CONSTRUCTION MGR.			AS-BUILT	-	-
REGIONAL REAL ESTATE MGR.					
CO-SIGN SIGNATURES					
AREA CONSTRUCTION MGR.					
CONTRACTOR					

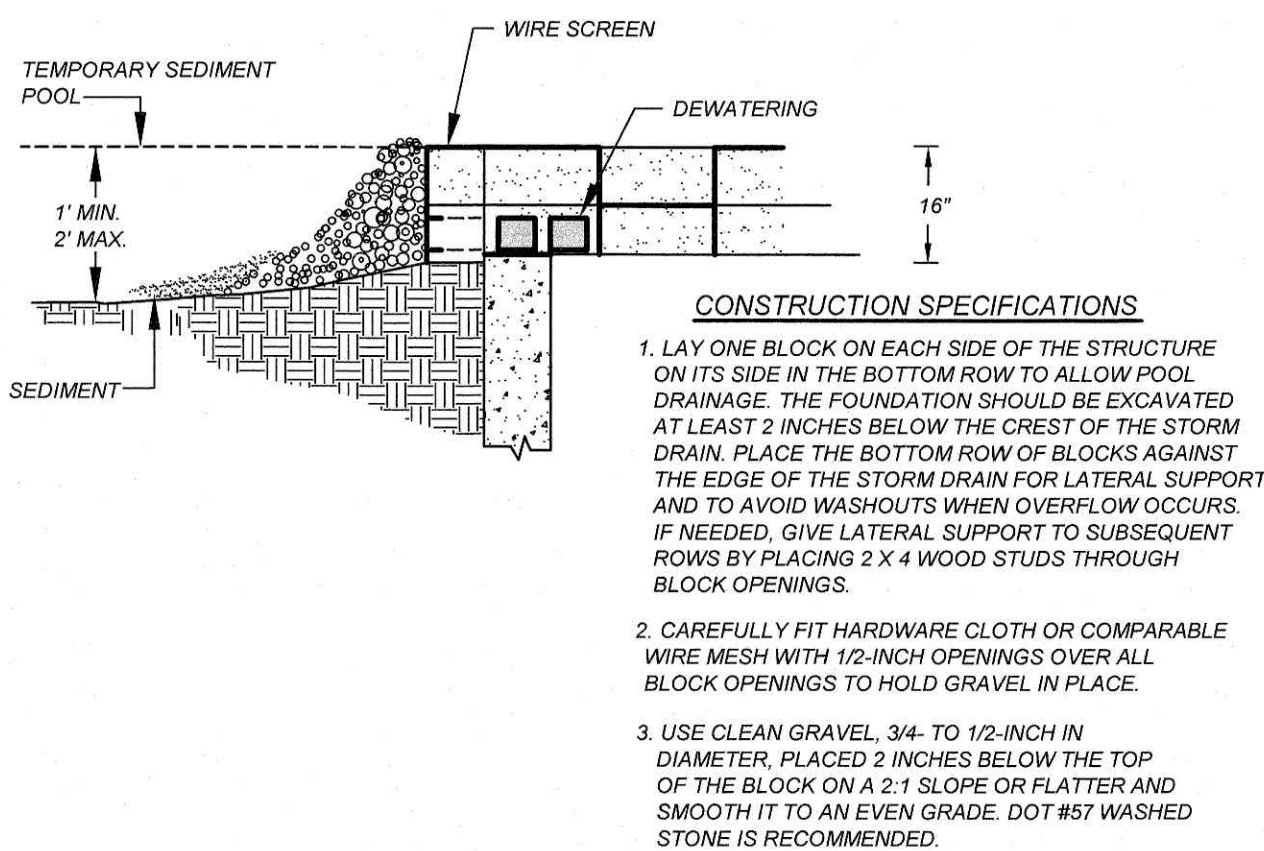
C-7 DETAILS



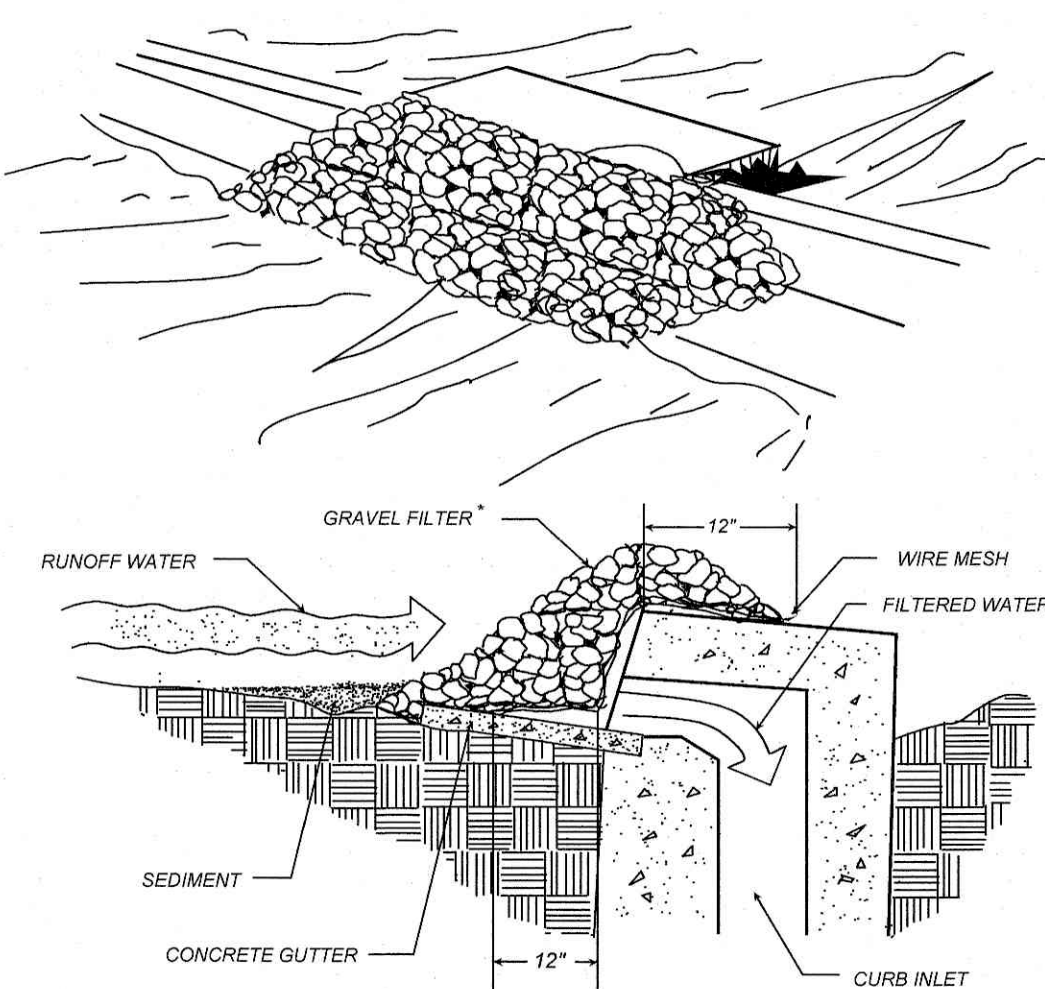
MAINTENANCE:
INSPECT SEDIMENT FENCES AT LEAST ONE A WEEK AND AFTER EACH RAINFALL. MAKE ANY REQUIRED REPAIRS IMMEDIATELY. SHOULD THE FABRIC OF A SEDIMENT FENCE COLLAPSE, TEAR, DECOMPOSE, OR BECOME INEFFECTIVE, REPLACE IT IMMEDIATELY. REMOVE SEDIMENT DEPOSITS AS NECESSARY TO PROVIDE ADEQUATE STORAGE VOLUME FOR THE NEXT RAIN AND TO REDUCE PRESSURE ON THE FENCE. REMOVE SEDIMENT WHEN IT REACHES 12" HEIGHT OF THE FENCE. TAKE CARE TO AVOID UNDERMINING THE FENCE DURING CLEANOUT. REMOVE ALL FENCING MATERIALS AND UNSTABLE SEDIMENT DEPOSITS AND BRING THE AREA TO GRADE AND STABILIZE IT AFTER THE CONTRIBUTING DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.



A cross-sectional diagram of a stone weir structure. The structure is built with #57 stone and features a central concrete block with a dewatering system. The structure is situated on a 2:1 slope with a gravel filter. Labels include: DEWATERING, CONCRETE BLOCK, #57 STONE, and 2:1 SLOPE, GRAVEL FILTER.



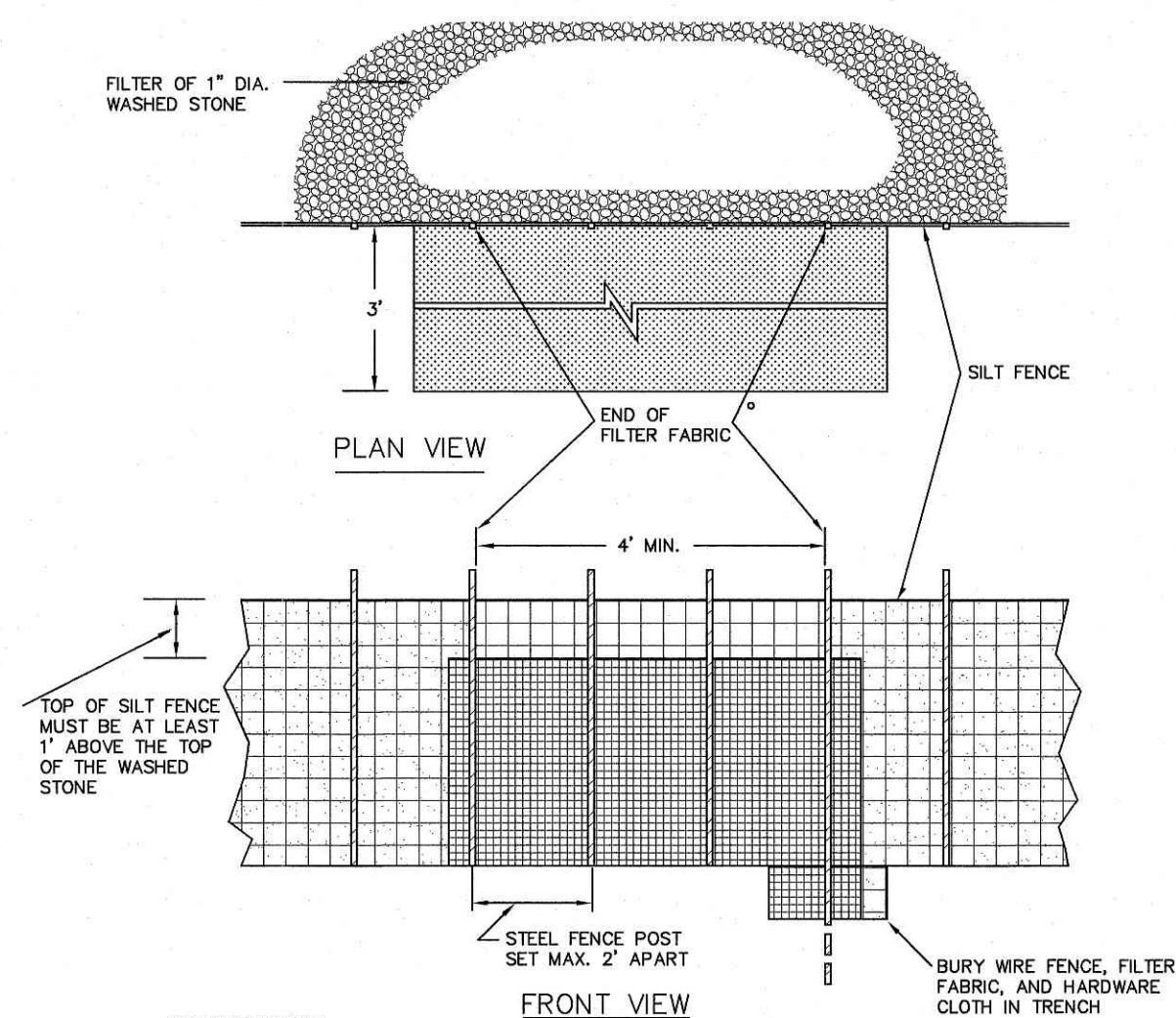
MAINTENANCE:
INSPECT THE BARRIER OF AFTER EACH RAIN AND MAKE REPAIRS AS NEEDED. REMOVE SEDIMENT AS NECESSARY TO PROVIDE ADEQUATE STORAGE VOLUME FOR SUBSEQUENT RAINS. WHEN THE CONTRIBUTING DRAINAGE AREA HAS BEEN ADEQUATELY STABILIZED, REMOVE ALL MATERIALS AND ANY UNSTABLE SOIL, AND EITHER SALVAGE OR DISPOSE OF IT PROPERLY. BRING THE DISTURBED AREA TO PROPER GRADE, THEN SMOOTH AND COMPACT IT. APPROPRIATELY STABILIZE ALL BARE AREAS AROUND THE INLET.



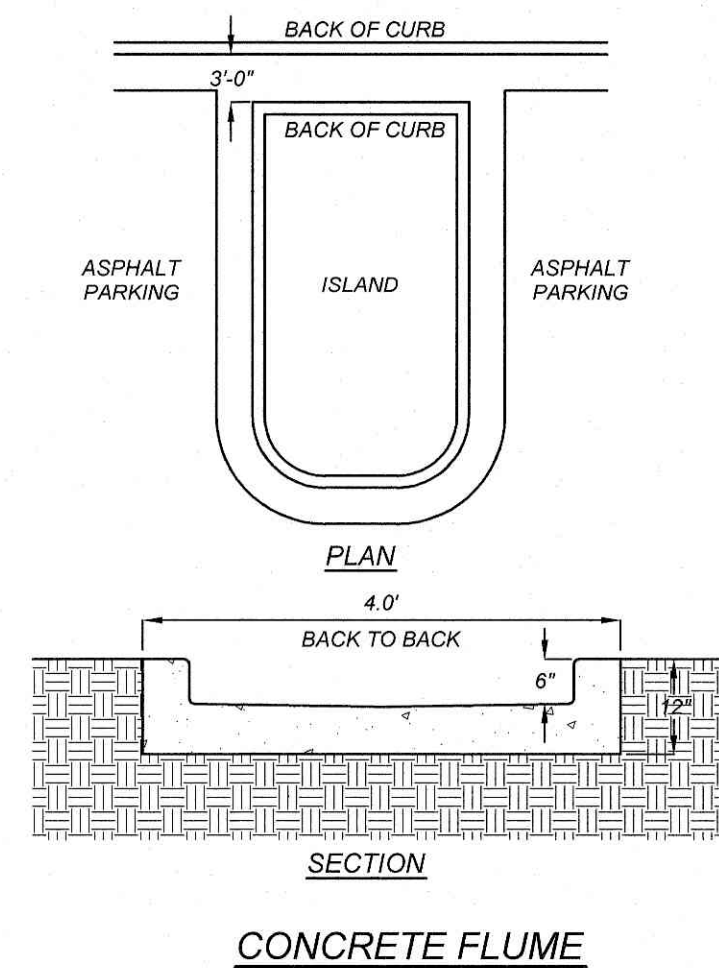
THIS METHOD OF INLET PROTECTION IS APPLICABLE AT CURB INLETS WHERE PONDING IN FRONT OF THE STRUCTURE IS NOT LIKELY TO CAUSE INCONVENIENCE OR DAMAGE TO ADJACENT STRUCTURES AND UNPROTECTED AREAS.

- MAINTENANCE:

1. THE STRUCTURE SHALL BE INSPECTED AFTER EACH RAINFALL AND REPAIRS MADE AS NEEDED.
2. SEDIMENT SHALL BE REMOVED AND THE TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO ONE-HALF THE DESIGN DEPTH OF THE TRAP. REMOVED SEDIMENT SHALL BE DEPOSITED IN A SUITABLE AREA AND IN SUCH A MANNER THAT IT WILL NOT ERODE.
3. STRUCTURE SHALL BE REMOVED AND THE AREA STABILIZED WHEN THE REMAINING DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.




MAINTENANCE:	FRONT VIEW	CLOTH IN TRENCH
1. THE STRUCTURE SHALL BE INSPECTED AFTER EACH RAINFALL AND REPAIRS MADE AS NEEDED.		
2. SEDIMENT SHALL BE REMOVED AND THE TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE TRAP WITH HAS ACCUMULATED TO THE HALF THE DESIGN DEPTH.		
3. SEDIMENT SHALL BE REMOVED IN A SUITABLE AREA AND IN SUCH A MANNER THAT IT WILL NOT ERODE.		
4. STRUCTURE SHALL BE REMOVED AND THE AREA STABILIZED WHEN THE REMAINING DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.		
5. INSPECT SEDIMENT FENCES AT LEAST ONCE A WEEK AND AFTER EACH RAINFALL. MAKE ANY REQUIRED REPAIRS IMMEDIATELY. SHOULD THE FABRIC OF A SEDIMENT FENCE COLLAPSE, TEAR, OR BECOME, OR BECOME INEFFECTIVE, REMOVE IT IMMEDIATELY, REPAIR, OR REMOVE. DEPOSITS ARE NECESSARY TO MAINTAIN PROPER STORAGE VOLUME. IF THE NEXT RAINFALL IS NEAR, DO NOT PRESSURE ON THE FENCE. REMOVE SEDIMENT WHEN IT REACHES 12 INCHES OF THE FENCE. TAKE CARE TO AVOID UNDERMINING THE FENCE DURING CLEANOUT. REMOVE ALL FENCING MATERIALS AND UNDERLYING SOILS TO PREVENT DRAINAGE AREA TO GRADE AND STABILIZE IT AFTER THE CONTRIBUTING DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.		



<u>APPROVED CONSTRUCTION PLAN</u>	
<u>NAME</u>	<u>DATE</u>
PLANNING _____	
TRAFFIC _____	
FIRE _____	

PLAN SCALE: NOT TO SCALE	
STREET ADDRESS	
2066 CEDAR CREEK ROAD	
CITY	STATE
WILMINGTON	NORTH CAROLINA
COUNTY	
NEW HANOVER	
TAX PARCEL NUMBER	LOCATION CODE NUMBER
315806.48.1065.000	32-0204
CSD FILENAME: MCD1221-DT2	

[illegible]

**COMMERCIAL
SITE DESIGN**

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WWW.CSITIEDSIGN.COM

2877 CREEDMOOR ROAD
RALEIGH, NORTH CAROLINA 27615

OFFICE	BALTIMORE REGION
ADDRESS	6803 ROCKLEDGE DRIVE - SUITE 1100 - BETHESDA, MD. 20817

PLAN APPROVAL			
	SIGNATURE (2 REQUIRED)	DATE	
REGIONAL MGR.			
REGIONAL DRY, DIRECTOR			
REGIONAL CONSTRUCTION MGR.			
REGIONAL REAL ESTATE MGR.			
CO-SIGN SIGNATURES			
AREA CONSTRUCTION MGR.			
CONTRACTOR			
STATUS		DATE	BY
FINAL		-	-
PLAN CHECKED		-	-
AS-BUILT		-	-
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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 LB
 -MOMENT - 1450 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 (2)
 -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 (F') 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 SPECIFICATION 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. PERFORMED BY GENERAL CONTRACTOR.
 -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 - 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
 -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.
 -FOUNDATIONS ARE DESIGNED FOR SINGLE OR DOUBLE POLE COLUMNS
 -DETAILS AND STRUCTURAL MEMBERS NOT SHOWN DESIGNED BY OTHERS
 -ANY MODIFICATIONS ARE TO BE VERIFIED BY AN ENGINEER



Know what's below.
 Call before you dig.
 nc811.org or 1-800-632-4949

ALL DETAILS ON THIS SHEET PROVIDED BY MCDONALDS

PLAN SCALE: NOT TO SCALE

STREET ADDRESS
 2066 CEDAR CREEK ROAD

CITY	STATE
WILMINGTON	NORTH CAROLINA
COUNTY	NEW HANOVER
TAX PARCEL NUMBER	315806.48.1065.000
LOCATION CODE NUMBER	32-0204
CSD FILENAME:	MCD1221-MD1

REV	DATE	DESCRIPTION	BY	ISSUED
1	10-31-19	PERMIT ISSUE	DDH	
2	10-28-19	CITY TRC #1 & 2B COMMENTS	JMR	

PLAN APPROVAL	DATE	DATE	DATE	DATE
SIGNATURE (2 REQUIRED)				
REGIONAL MGR.		REGIONAL DET. DIRECTOR		REGIONAL CONSTRUCTION MGR.
REGIONAL REAL ESTATE MGR.		REGIONAL REAL ESTATE MGR.		REGIONAL REAL ESTATE MGR.
AREA CONSTRUCTION MGR.		AREA CONSTRUCTION MGR.		CONTRACTOR

STATUS	DATE	BY
FINAL	-	-
PLAN CHECKED	-	-
AS-BUILT	-	-

C-10	Menu Board	DETAILS
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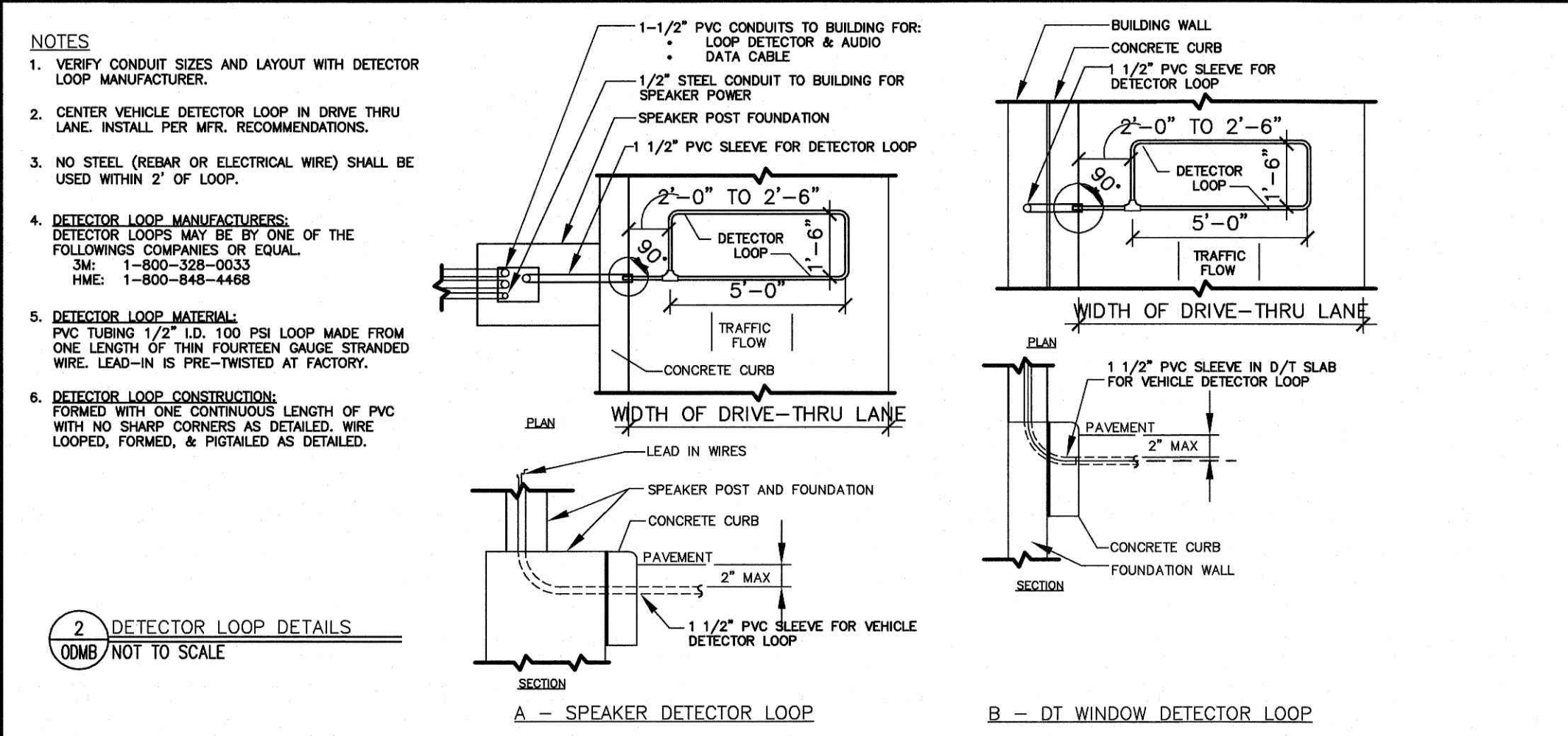
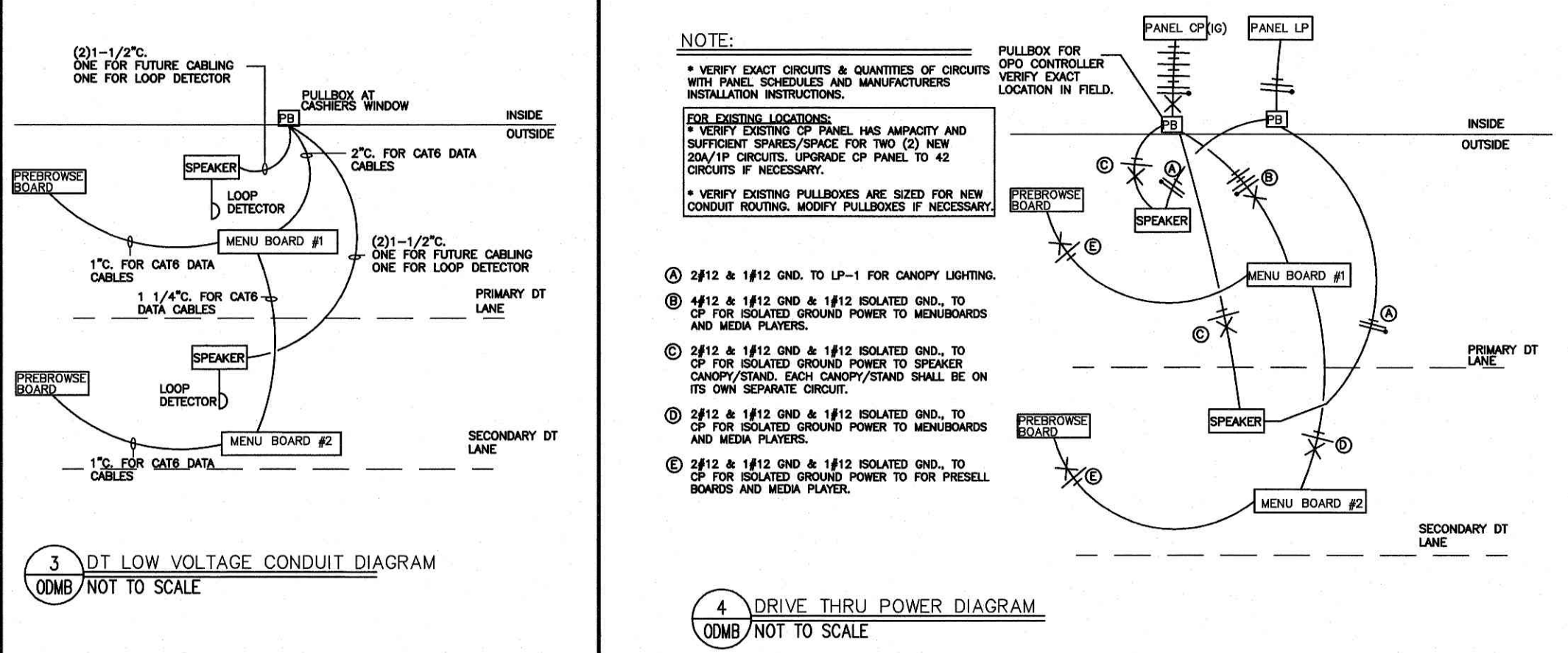
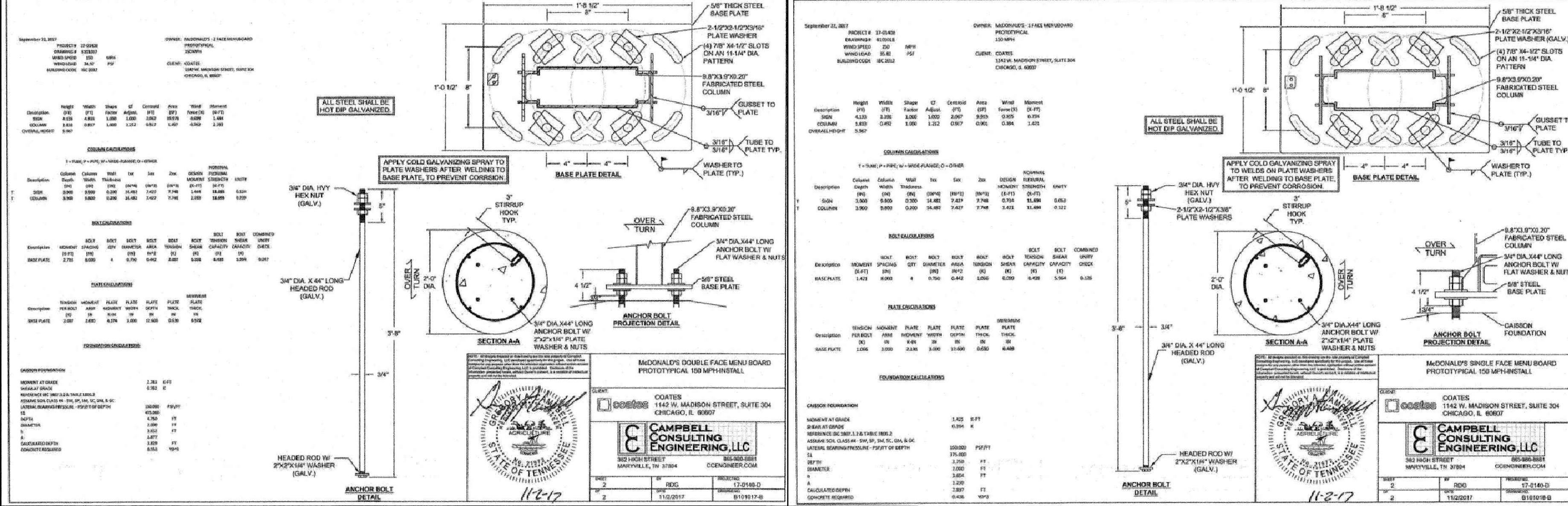
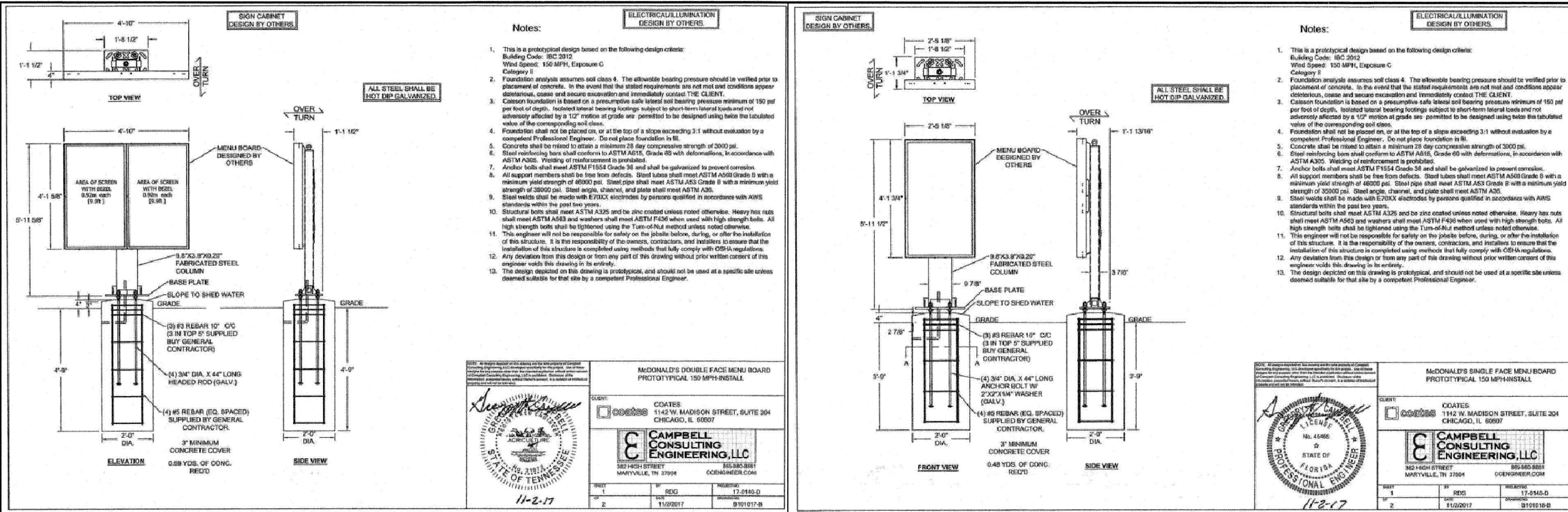
APPROVED CONSTRUCTION PLAN

NAME _____ DATE _____

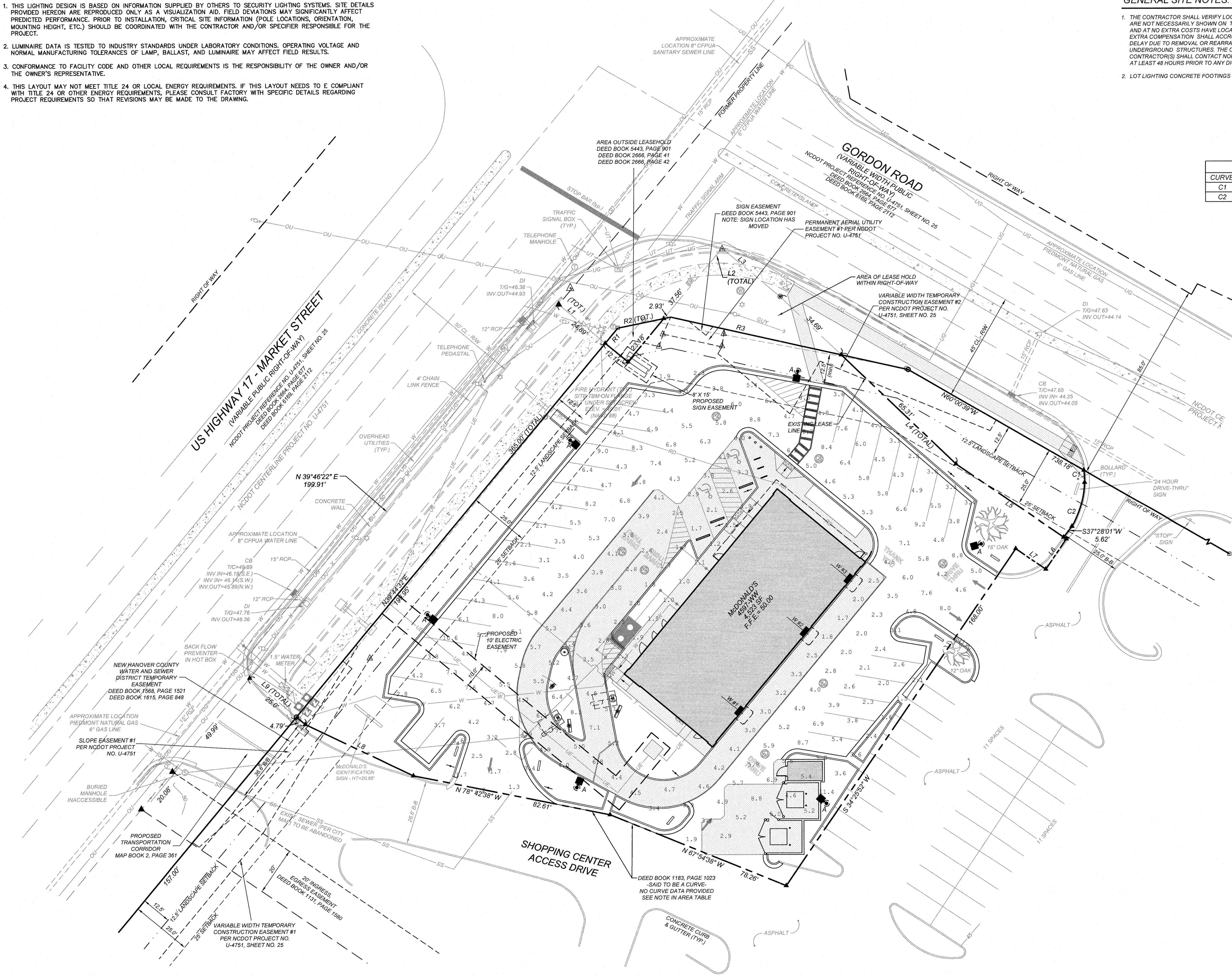
PLANNING _____

TRAFFIC _____

FIRE _____



- THIS LIGHTING DESIGN IS BASED ON INFORMATION SUPPLIED BY OTHERS TO SECURITY LIGHTING SYSTEMS. SITE DETAILS PROVIDED HEREON ARE REPRODUCED ONLY AS A VISUALIZATION AID. FIELD DEVIATIONS MAY SIGNIFICANTLY AFFECT PREDICTED PERFORMANCE. PRIOR TO INSTALLATION, CRITICAL SITE INFORMATION (POLE LOCATIONS, ORIENTATION, MOUNTING HEIGHT, ETC.) SHOULD BE COORDINATED WITH THE CONTRACTOR AND/OR SPECIFIER RESPONSIBLE FOR THE PROJECT.
- LUMINAIRE DATA IS TESTED TO INDUSTRY STANDARDS UNDER LABORATORY CONDITIONS. OPERATING VOLTAGE AND NORMAL MANUFACTURING TOLERANCES OF LAMP, BALLAST, AND LUMINAIRE MAY AFFECT FIELD RESULTS.
- CONFORMANCE TO FACILITY CODE AND OTHER LOCAL REQUIREMENTS IS THE RESPONSIBILITY OF THE OWNER AND/OR THE OWNER'S REPRESENTATIVE.
- THIS LAYOUT MAY NOT MEET TITLE 24 OR LOCAL ENERGY REQUIREMENTS. IF THIS LAYOUT NEEDS TO E COMPLIANT WITH TITLE 24 OR OTHER ENERGY REQUIREMENTS, PLEASE CONSULT FACTORY WITH SPECIFIC DETAILS REGARDING PROJECT REQUIREMENTS SO THAT REVISIONS MAY BE MADE TO THE DRAWING.

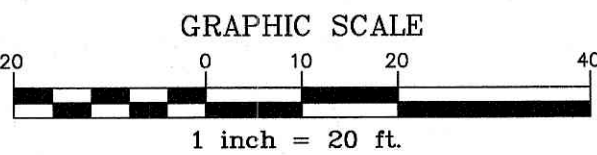


Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
PAVED SURFACE READINGS	Illuminance	Fc	4.50	11.4	1.0	4.50	11.40
PROPERTY LINE READINGS	Illuminance	Fc	0.72	2.9	0.0	N.A.	N.A.

LABEL	FIXTURE TYPE	SYMBOL	FIXTURE QUANTITY	CONFIG	QUANTITY	TENON TOP FITTERS	QUANTITY	EPA	MOUNTING HEIGHT	LLF	POLE TYPE	QUANTITY	WIND LOAD	ALLOWED EPA
A	VPL-96L-280-5K-T4W-UNV-RA-*	☐	6	SGL	6	TTFV1P	6	1.00	21'	0.9	SES-18-40-1-GL-TA-** (4')	6	110mph	2.4

THIS DRAWING MEETS OR EXCEEDS McDONALD'S CURRENT ILLUMINATION SPECIFICATIONS OF A 3-4 FOOTCANDLE AVERAGE, UNLESS SUPERSEDED BY OTHER REQUIREMENTS.

* PROJECT WIND LOAD CRITERIA BASED ON:
ASCE 7-10 WIND SPEEDS (3-SEC PEAK GUST MPH)
50 YEAR MEAN RECURRENT INTERVAL



APPROVED CONSTRUCTION PLAN	
NAME	DATE
PLANNING	
TRAFFIC	
FIRE	

GENERAL SITE NOTES:

- THE CONTRACTOR SHALL VERIFY LOCATION AND ELEVATION OF ALL UNDERGROUND UTILITIES. THE LOCATION OF ALL EXISTING UTILITIES ARE NOT NECESSARILY SHOWN ON THE PLANS AND WHERE SHOWN ARE ONLY APPROXIMATE. THE CONTRACTOR SHALL ON HIS INITIATIVE AND AT NO EXTRA COSTS HAVE LOCATED ALL UNDERGROUND LINES AND STRUCTURES AS NECESSARY. NO CLAIMS FOR DAMAGES OR EXTRA COMPENSATION SHALL ACCRUE TO THE CONTRACTOR FROM THE PRESENCE OF SUCH PIPE, OTHER OBSTRUCTIONS OR FROM ANY DELAY DUE TO REMOVAL OR REARRANGEMENT OF THE SAME. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO UNDERGROUND STRUCTURES. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING ALL NON-SUBSCRIBING UTILITIES. THE CONTRACTOR(S) SHALL CONTACT NORTH CAROLINA 811 OR CALL 1-800-632-4949 FOR ASSISTANCE IN LOCATING EXISTING UTILITIES. CALL AT LEAST 48 HOURS PRIOR TO ANY DIGGING.
- LOT LIGHTING CONCRETE FOOTINGS TO CONFORM WITH THE SOILS REPORT RECOMMENDATIONS FOR THIS PARTICULAR SITE.

CURVE TABLE						
CURVE	LENGTH	RADIUS	TANGENT	CHORD	BEARING	DELTA
C1	5.04'	28.71'	2.52'	5.03'	N 03°20'20" W	10°11'55"
C2	19.06'	37.71'	9.74'	18.86'	N 16°10'12" E	28°57'46"

LEASE LINE TABLE		
LINE	BEARING	DISTANCE
L1	S 50°13'38" E	37.00'
L2	N 39°46'22" E	60.83'
L3	S 49°58'08" E	31.23'
L4	S 46°16'38" E	100.00'
L5	S 55°35'08" E	55.00'
L6	S 34°25'52" W	15.00'
L7	N 55°35'08" W	15.00'
L8	N 64°25'38" W	49.40'
L9	N 50°08'38" W	29.79'

RIGHT-OF-WAY LINE TABLE		
LINE	BEARING	DISTANCE
R1	N 39°44'32" E	8.05'
R2	N 78°27'53" E	22.31'
R3	S 77°22'57" E	100.22'

2100 Gulf Road, Suite 469, Rolling Meadows, IL 60008
1-800-544-2688

UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES
SCALE: 1" = 20' 0"

DRAWN BY: MW

POINT-BY-POINT FOOTCANDLE PLOT FOR
MCDONALD'S
6860 MARKET ST
WILMINGTON, NC

NATIONAL STORE NUMBER
5871

DATE: 6/20/19 DRAWING NUMBER
42712

LOT LIGHTING RECOMMENDATION		
SEE LIGHTING PLAN FOR SECURITY LIGHTING, INC. SPECIFICATIONS OR OTHER SITE SPECIFIC LIGHT MANUFACTURERS.		
GENERAL CONTRACTOR TO NOTE CORRECT LOCATION FIXTURES.		
NOTE: ELECTRICAL CONTRACTOR TO CIRCUIT LOT LIGHTING AS NOTED.		

PARKING INFORMATION		
TOTAL SPACES	31 SPACES	9' X 20' @ 60°
35	2 SPACES	9' X 20' @ 90°
	2 HANDICAP SPACES	8' X 18' @ 60°

UTILITY INFORMATION		
SIZE	TYPE	LOCATION
SANITARY SEWER	8" PVC SS MAIN	ALONG MARKET STREET (OPPOSITE)
WATER	8" PUBLIC MAIN	ALONG MARKET STREET
STORM SEWER	15" RCP	ALONG MARKET STREET
ELECTRIC	OVERHEAD	ALONG MARKET STREET
GAS	8" MAIN	ALONG MARKET STREET

SURVEY INFORMATION		
PREPARED BY:	COMMERCIAL SITE DESIGN, PLLC. 8312 CREEDMOOR ROAD RALEIGH, NORTH CAROLINA 27613 PHONE: (919) 848-8121	
DATE OF ORIGINAL FIELD SURVEY:	MAY 8, 2019	

PLAN SCALE: 1" = 20'				
STREET ADDRESS				
6860 MARKET STREET				
CITY	STATE			
WILMINGTON	NORTH CAROLINA			
COUNTY				
NEW HANOVER				
TAX PARCEL NUMBER		LOCATION CODE NUMBER		
315806.48.1065.000		32-0204		
CSD FILENAME: MCD1221-LI				

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

BALTIMORE REGION
6860 ROCKLEDGE DRIVE - SUITE 1100 - BETHESDA, MD 20817

PLAN APPROVAL	DATE	STATUS	DATE	BY
SIGNATURE (2 REQUIRED)		FINAL	-	-
REGIONAL MGR		PLAN CHECKED	-	-
REGIONAL DEV. DIRECTOR		AS-BUILT	-	-
REGIONAL CONSTRUCTION MGR		L-2 LIGHTING PLAN		
REGIONAL REAL ESTATE MGR				
CO-SIGN SIGNATURES				
AREA CONSTRUCTION MGR				
CONTRACTOR				

COMMERCIAL
SITE DESIGN

(919) 848-8121, FAX: (919) 848-3741
WWW.CSITDESIGN.COM