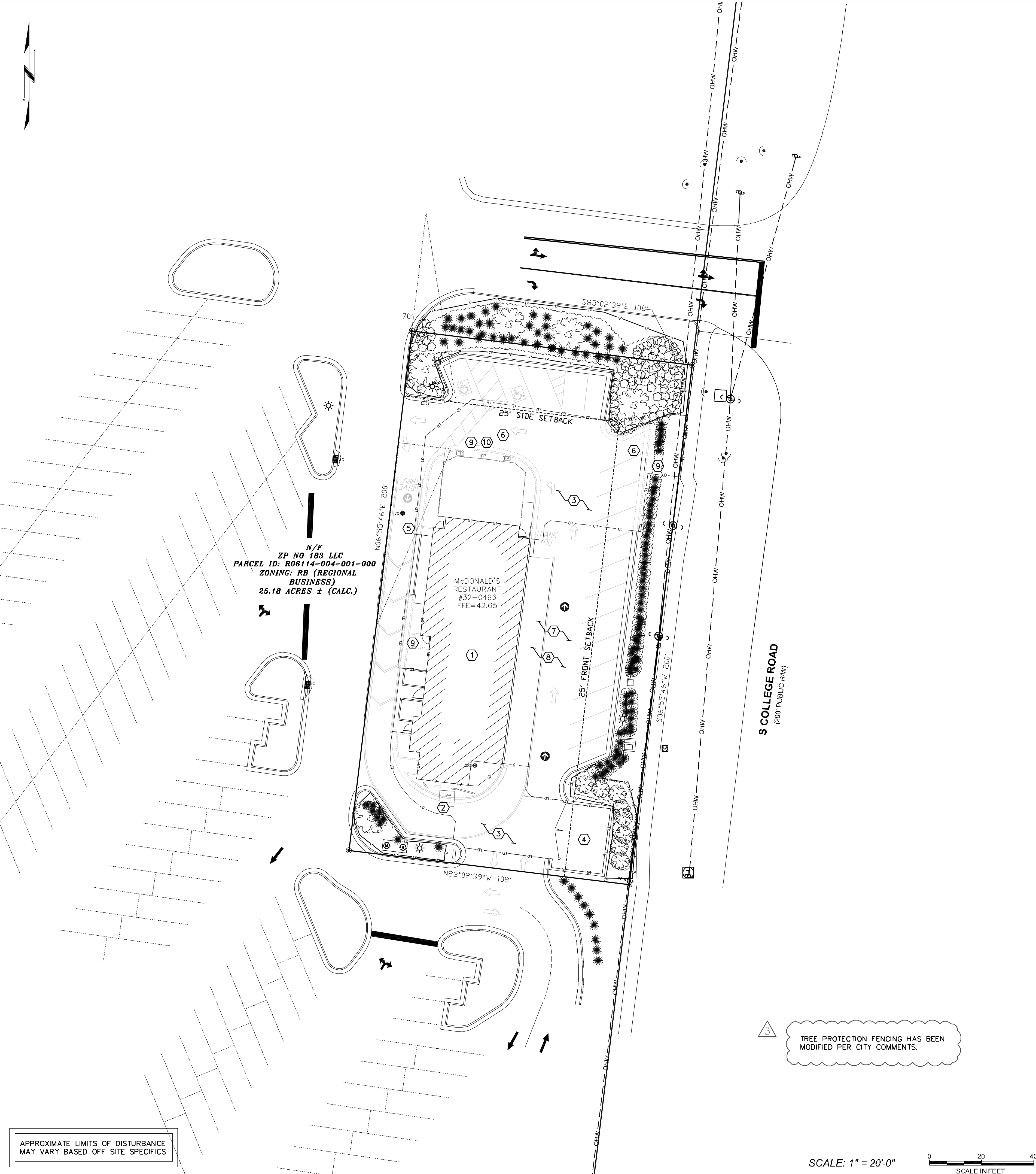


DEMOLITION KEY NOTES:

- ① SEE BUILDING PLANS FOR BUILDING MODIFICATIONS
- ② REMOVE DRIVE THRU COMPONENTS (MENU BOARD, COD, ETC.) - SALVAGE EQUIPMENT FOR POSSIBLE REUSE - COORDINATE WITH A.C.M.
- ③ SAW-CUT AND REMOVE ASPHALT AND/OR CONCRETE (TYP. WITHIN LIMITS OF DISTURBANCE)
- ④ SAW-CUT AND REMOVE CONCRETE WITHIN INTERIOR OF TRASH CORRAL
- ⑤ EXTERIOR WALKWAY TO BE REMOVED ALONG BUILDING (TYP. UNLESS OTHERWISE NOTED) WITHIN LIMITS OF DISTURBANCE
- ⑥ REMOVE CURBING OR CURB & GUTTER (TYP. WITHIN LIMITS OF DISTURBANCE UNLESS INDICATED OTHERWISE)
- ⑦ EXISTING PARKING LOT STRIPING THAT WILL NOT BE USED AND IS NO LONGER NEEDED TO MEET LOT STRIPING GUIDELINES IS TO BE REMOVED COMPLETELY IN PREPARATION FOR SEAL AND STRIPE. - REMOVAL TO BE DONE BY MEANS OF GRINDING, MILLING, SAND BLASTING, ETC. - THE USE OF BLACKOUT PAINT IS NOT PERMITTED - REMOVAL INCLUDED IN BID.
- ⑧ PROTECT EXISTING UNDERGROUND UTILITIES AND UTILITY SERVICES TO REMAIN - CONTRACTOR TO COORDINATE WITH ALL APPLICABLE UTILITY COMPANIES AS REQUIRED TO ENSURE PROPER SHUT DOWN TO DEMOLITION WORK
- ⑨ BUSHES AND SHRUBS IN THE IMMEDIATE VICINITY OF THE REQUIRED AMERICAN WITH DISABILITIES ACT WALKWAY, EGRESS AND PATH TO THE PUBLIC RIGHT OF WAY TO BE REMOVED. SEE SHEET C-9 FOR TREE PROTECTION DETAILS.
- ⑩ REMOVE FLAGPOLES. COORDINATE WITH ACM/OWNER FOR REUSE



N/F
 ZP NO 183 LLC
 PARCEL ID: R06114-004-001-000
 ZONING: RB (REGIONAL BUSINESS)
 25.18 ACRES ± (CALC.)

McDONALD'S RESTAURANT
 #32-0496
 FFE=42.65

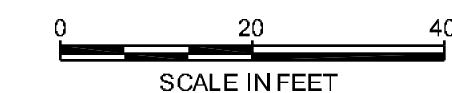
S COLLEGE ROAD
 (200' PUBLIC R/W)

LEGEND

●	PROPERTY LEASE CORNER	⊗	DEMO KEY NOTE
—	PROPERTY LINE	→	DRIVE THRU DIRECTIONAL ARROW
- - -	SETBACK LINE	→	"DRIVE THRU" WITH DIRECTIONAL ARROW
- - -	EASEMENT	→	TRAFFIC/LOT FLOW ARROW
FFE = XXXXX	FINISH FLOOR ELEVATION	☐	CANOPY WITH COD AND DETECTOR LOOP
T	TELEPHONE LINE	☐	OPO MENU BOARD
W	WATER LINE	☐	GREASE TRAP
OHW	OVERHEAD UTILITIES	~	WOOD/TREE LINE
E	UNDERGROUND ELECTRICAL	SF	SILT FENCE OR TREE PROTECTION (WHERE APPLICABLE)
SS	SANITARY SEWER	LD	LIMITS OF DISTURBANCE
RD	ROOF DRAIN	SC	INLET PROTECTION, SEE DETAIL SHEETS FOR METHODS
RW	RIGHT OF WAY	TP	TREE PROTECTION, SEE DETAIL SHEETS FOR METHODS
S	SANITARY SEWER MANHOLE		
TF	TRANSFORMER		
INLET	INLET		
POWER POLE	POWER POLE		
WATER VALVE	WATER VALVE		
SIGN	SIGN		
BOLLARD	BOLLARD		
POLE MOUNTED AREA LIGHT	POLE MOUNTED AREA LIGHT		
FIRE HYDRANT	FIRE HYDRANT		
ACCESSIBLE STALL	ACCESSIBLE STALL		
FLAG POLE	FLAG POLE		

APPROXIMATE LIMITS OF DISTURBANCE
 MAY VARY BASED OFF SITE SPECIFICS

SCALE: 1" = 20'-0"



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 UTILITIES. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING ALL NON-SUBSCRIBING UTILITIES. THE CONTRACTOR(S) SHALL CONTACT NORTH CAROLINA "ONE CALL" AT 1-800-632-4949 OR 811 FOR ASSISTANCE IN LOCATING EXISTING UTILITIES. CALL AT LEAST 72 HOURS PRIOR TO ANY DIGGING.
2. 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.
3. PRIOR TO STARTING CONSTRUCTION, THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED. NO CONSTRUCTION OR FABRICATION OF ANY ITEM 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 ASSUME FULL RESPONSIBILITY FOR ANY SUBSEQUENT MODIFICATION OF THE WORK MANDATED BY ANY REGULATORY AUTHORITY. ALL CONSTRUCTION TO BE IN ACCORDANCE WITH PERMITS ISSUED AND APPLICABLE STATE, COUNTY AND LOCAL CODES.
4. 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.
5. CONTRACTOR SHALL MAINTAIN THE SITE IN A MANNER SO THAT WORKMEN AND PUBLIC SHALL BE PROTECTED FROM INJURY AND ADJOINING PROPERTY PROTECTED FROM DAMAGE.
6. CONTRACTOR IS RESPONSIBLE FOR DAMAGE TO ANY EXISTING ITEM AND/OR MATERIAL INSIDE OR OUTSIDE CONTRACT LIMITS DUE TO CONSTRUCTION OPERATIONS.
7. 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 CONFLICTS.
8. 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.
9. 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".
10. 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 PERSONS AND PROPERTY. THIS 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 ALLEGED IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, ACCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR DESIGN PROFESSIONAL.
11. SUBJECT PROPERTY IS NOT LOCATED WITHIN A SPECIAL FLOOD HAZARD ZONE. IT IS LOCATED IN ZONE "X" AS DEFINED BY FEMA F.I.R.M. COMMUNITY PANEL NUMBER 3720313600J, WITH AN EFFECTIVE DATE OF APRIL 3, 2005.
12. G.C. TO PROTECT ALL OFF-SITE PAVING/CURBING FROM CHIPPING OR BREAKING DURING ALL DEMOLITION WORK. PATCH/REPAIR ANY EXISTING ITEMS DAMAGED DURING DEMOLITION AND/OR CONSTRUCTION AT NO COST TO THE OWNER.

EXISTING PARKING INFORMATION

TOTAL SPACES	ACCESSIBLE SPACES	8' X 17'	@ 60°
18	2	8.5' X 17'	@ 60°
	4	8.5' X 18'	@ 60°
	1	9.5' X 18'	@ 60°
	2	9' X 18'	@ 90°

STREET ADDRESS 2702 S. COLLEGE ROAD	
CITY WILMINGTON	STATE NORTH CAROLINA
COUNTY NEW HANOVER	
PIN R06114-004-001-000	LOCATION CODE NUMBER 032-0496
TEP PID 56725	

APPROVED CONSTRUCTION PLAN

NAME _____ DATE _____

PLANNING _____

TRAFFIC _____

FIRE _____

WILMINGTON
 NORTH CAROLINA
 Public Services/Engineering Division
 APPROVED DRAINAGE PLAN

Date: _____ Permit # _____

Signed: _____

REV	DATE	DESCRIPTION	BY	ISSUE/REF
3	01-04-2017	REVISION 3 PER CITY COMMENTS		
2	12-29-2016	REVISION 2 PER CITY COMMENTS		
1	12-01-2016	REVISION PER CITY COMMENTS		
0	9-24-2016	FIRST ISSUE		

TOWER ENGINEERING PROFESSIONALS
 326 TRYON ROAD
 RALEIGH, NC 27603
 OFFICE: (919) 661-6351
 www.tepgroup.net
 N.C. LICENSE # C-1794

Seal: NORTH CAROLINA PROFESSIONAL ENGINEER SEAL No. 18216 DERRICK T. HARRIS

January 4, 2016

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

OFFICE ADDRESS: RALEIGH REGION, 4601 SIX FORKS ROAD, SUITE 200 - RALEIGH, N.C. 27609

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

C-2
 EXISTING CONDITIONS/
 DEMO SITE PLAN

SITE KEY NOTES:

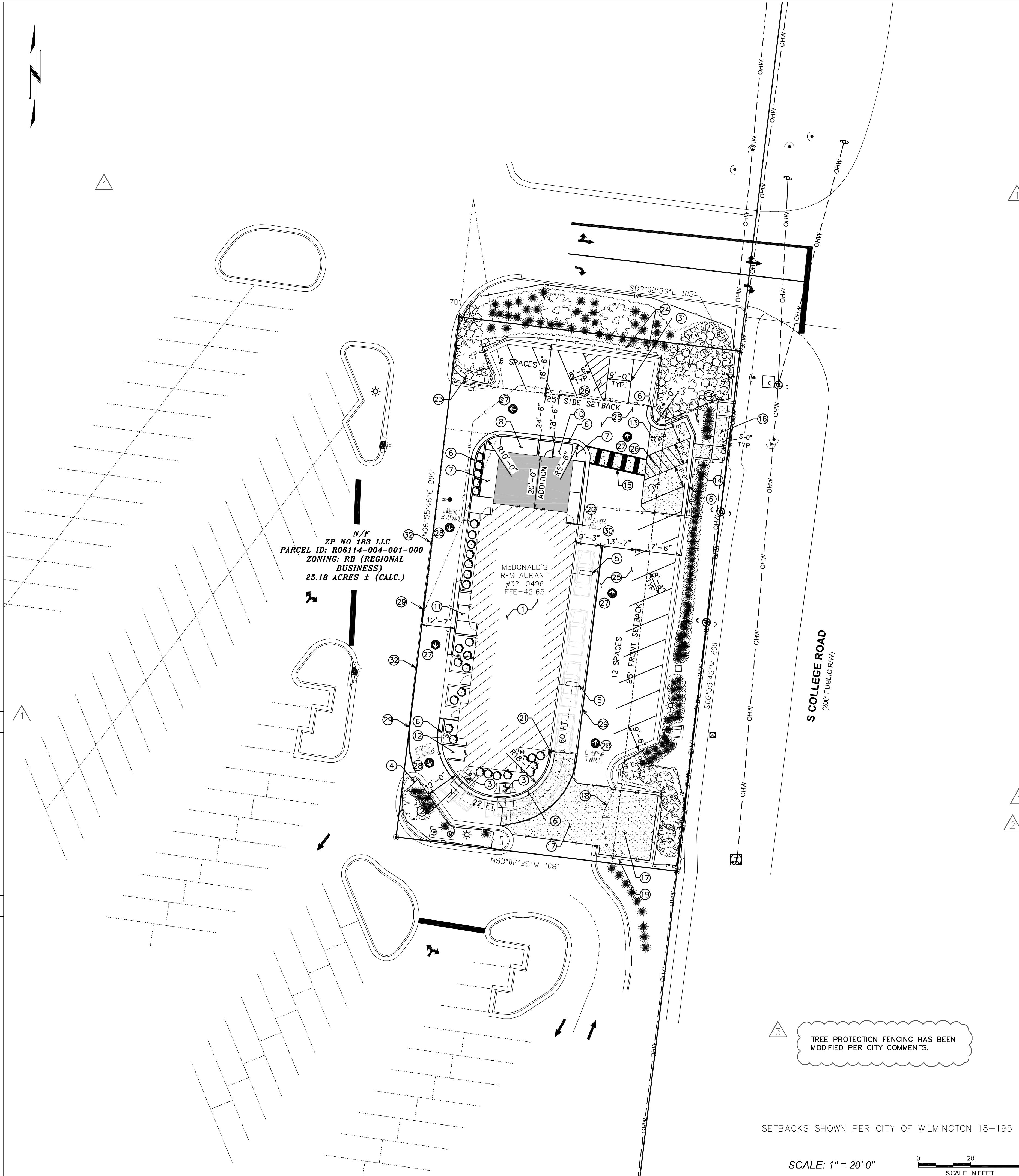
- 1 MODIFIED BUILDING FOOTPRINT WHICH INCLUDES BUILDING ADDITION. SEE BUILDING PLANS FOR DETAILS.
- 2 TANDEM DRIVE THRU OPTIMIZED AT 60 FT. AND 80 FT. CONCRETE PAD AT DRIVE THRU WITH 10' CONTROL JOINTS AND 20' EXPANSION JOINTS. TIE INTO EXISTING PAD TO REMAIN WHERE APPLICABLE.
- 3 NEW OPO MENU BOARD WITH INTEGRATED CUSTOMER ORDER DISPLAY PER DETAIL SHEET. GALVANIZED ANCHOR BOLTS (6" ABOVE GRADE), FOOTING AND ELECTRICITY BY GENERAL CONTRACTOR, SIGN INSTALLED BY SIGN CONTRACTOR. COORDINATE WITH A.C.M.
- 4 REVERSE ARM GATEWAY PER DETAIL SHEET. GALVANIZED ANCHOR BOLTS (6" ABOVE GRADE), FOOTING AND ELECTRICITY BY GENERAL CONTRACTOR, SIGN INSTALLED BY SIGN CONTRACTOR. CONTRACTOR TO COORDINATE WITH A.C.M.
- 5 INSTALL DETECTOR LOOPS AT EACH DRIVE THRU WINDOW PER DETAIL SHEET (VERIFY WITH A.C.M.). REPAIR/REPLACE CONCRETE AS REQUIRED.
- 6 CONSTRUCT CURB AND GUTTER PER DETAIL SHEET. TIE INTO EXISTING ADJACENT CURBING WHERE APPLICABLE.
- 7 CONCRETE EXTERIOR WALKWAY PER McDONALD'S SPECIFICATIONS. VERIFY FINISH WITH A.C.M.
- 8 CONCRETE ACCESSIBLE PATH. SEE SHEET C4.0 FOR DETAILS.
- 9 NOT USED
- 10 CONCRETE ACCESSIBLE CURB RAMP. SEE SHEET C4.0 FOR DETAILS.
- 11 CONCRETE EGRESS TO GRADE.
- 12 CONCRETE DELIVERY RAMP AND WALKWAY AT STORAGE BUILDING.
- 13 CONCRETE PAD AT RELOCATED ACCESSIBLE PARKING SPACES AND AISLE.
- 14 ACCESSIBLE SIGNAGE. SEE SHEET C4.0 FOR ADDITIONAL DETAILS.
- 15 CONCRETE ACCESSIBLE CROSSWALK. SHEET SHEET C4.0 FOR DETAILS.
- 16 CONCRETE ACCESSIBLE ROUTE TO EXISTING PUBLIC SIDEWALK. REWORK INSPECTION WELLS AS REQUIRED TO BE FLUSH WITH WALKWAY.
- 17 NEW CONCRETE PAD WITHIN TRASH CORRAL AND APRON. VERIFY EXTENT OF REPLACEMENT WITH A.C.M.
- 18 INSTALL NEW TRASH CORRAL GATES (STEEL FRAME AND TREX BOARD).
- 19 PAINT TRASH CORRAL STRUCTURE TO MATCH PROPOSED COLOR SCHEME. SEE BUILDING PLANS FOR COLOR SPECIFICATIONS.
- 20 GUARDRAIL, PAINT TO MATCH PROPOSED COLOR SCHEME. SEE BUILDING PLANS FOR COLOR SPECIFICATIONS.
- 21 PIPE BOLLARD PER DETAIL SHEET.
- 22 NOT USED
- 23 REPLACE EXISTING STOP SIGN WITH NEW STOP SIGN
- 24 McDONALD'S APPROVED OUT OF SEQUENCE PARKING (OOSP) SIGNAGE (TYPICAL OF 2). SEE SHEET C6.0 FOR DETAILS.
- 25 REPAIR EXISTING ASPHALT LOT AS REQUIRED AND PROVIDE SEAL COAT. RESTRIPE PARKING SPACES WITH 4" WIDE STRIPES, WHITE, WHERE SHOWN UNLESS NOTED OTHERWISE.
- 26 PAINT 4" WIDE STRIPE, WHITE, @ 45° 2'-0" O.C.
- 27 PAINT DRIVE THRU DIRECTIONAL ARROW. SEE SHEET C6.0 FOR DETAILS.
- 28 PAINT "DRIVE THRU" WITH DIRECTIONAL ARROW. SEE SHEET C6.0 FOR DETAILS.
- 29 PAINT 6" WIDE STRIPE, YELLOW, ALONG OUTSIDE OF DRIVE THRU LANE.
- 30 PAINT "THANK YOU" PER McDONALD'S SPECIFICATIONS. SEE SHEET C6.0 FOR DETAILS.
- 31 PAINT OOSP PARKING STALL 4" WIDE STRIPE, YELLOW.
- 32 EXISTING HEADER CURB ALONG DRIVE THRU LANE TO REMAIN. REPAINT YELLOW PER OWNER/OPERATOR REQUEST (VERIFY WITH A.C.M. AND O/D.)

CITY OF WILMINGTON GENERAL SITE NOTES

- A ALL PAVEMENT MARKINGS IN PUBLIC RIGHTS-OF-WAY AND FOR DRIVEWAYS ARE TO BE THERMOPLASTIC AND MEET CITY AND/OR NCDOT STANDARDS.
- B ALL SIGNS AND PAVEMENT MARKINGS IN AREAS OPEN TO PUBLIC TRAFFIC ARE TO MEET MUTCD (MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES) (STANDARDS).
- C ALL PARKING STALL MARKINGS AND LANE ARROWS WITHIN THE PARKING AREAS SHALL BE WHITE.
- D A UTILITY CUT PERMIT IS REQUIRED FOR EACH OPEN CUT OF A CITY STREET. CONTACT 910-341-5888 FOR MORE DETAILS.
- E ANY BROKEN OR MISSING SIDEWALK PANELS, DRIVEWAY PANELS AND CRUBING WILL BE REPLACED.
- F A LANDSCAPING PLAN INDICATING THE LOCATION OF REQUIRED STREET TREES SHALL BE SUBMITTED TO THE CITY OF WILMINGTON TRAFFIC ENGINEERING DIVISION AND PARKS AND REC. DEPARTMENT FOR REVIEW AND APPROVAL PRIOR TO THE RECORDING OF THE PLAT.
- G CONTACT TRAFFIC ENGINEERING AT 910-341-7888 FORTY-EIGHT HOURS PRIOR TO ANY EXCAVATION IN THE RIGHT OF WAY.

LEGEND

— W — WATER LINE	● PROPERTY CORNER
— OHW — OVERHEAD UTILITIES	— — — PROPERTY LINE
— E — UNDERGROUND ELECTRICAL	— — — SETBACK LINE
— SS — SANITARY SEWER	— — — EASEMENT
— RD — ROOF DRAIN	F.F.E. + XXX.XX FINISH FLOOR ELEVATION
— RW — RIGHT OF WAY	— T — TELEPHONE LINE
M — SANITARY SEWER MANHOLE	⊗ SITE KEY NOTE
TF — TRANSFORMER	➔ DRIVE THRU DIRECTIONAL ARROW
INLET	➔ "DRIVE THRU" WITH DIRECTIONAL ARROW
POWER POLE	➔ TRAFFIC/LOT FLOW ARROW
WATER VALVE	
SIGN	
BOLLARD	
POLE MOUNTED AREA LIGHT	☐ CANOPY WITH COD AND DETECTOR LOOP
FIRE HYDRANT	☐ OPO MENU BOARD
ACCESSIBLE STALL	☐ GREASE TRAP
FLAG POLE	



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SITE DATA

REQUIRED BUILDING SETBACKS	FRONT	REAR	CORNER LOT SIDE	INTERIOR SIDE
	25'	15'	25'	0'
ACTUAL BUILDING SETBACKS	FRONT	SIDE		
	53'-8"	48'-8"		
BUILDING DIMENSIONS	LENGTH	WIDTH	HEIGHT	SQ. FT.
	111'-2"	37'-2"	19'-3"	3262 SQ. FT.
BUILDING LOT COVERAGE = 3262 SQ. FT. / 21600 SQ. FT. x 100 = 15.1% LOT COVERAGE				
EXISTING PARKING	PROVIDED	MAX. REQ.	MIN. REQ.	EXISTING SEATING
	18 SPACES	29 SPACES	18 SPACES	71 SEATS
PROPOSED PARKING	PROVIDED	MAX. REQ.	MIN. REQ.	PROPOSED SEATING
	18 SPACES	26 SPACES	16 SPACES	63 SEATS
CAMA LAND USE CLASSIFICATION = URBAN				
BICYCLE PARKING	REQUIRED	PROPOSED	BICYCLE PARKING IS REQUIRED FOR SITES THAT HAVE >25 PARKING SPACES.	
	0 SPACES	0 SPACES		

PROPOSED PARKING INFORMATION

TOTAL SPACES	ACCESSIBLE SPACES	SEATING	SEATING
18	2	8.5' X 17' @ 60°	60°
	9	8.5' X 18' @ 60°	60°
	4	9.5' X 18' @ 60°	60°
	1	9' X 18' @ 90°	90°

STREET ADDRESS

2702 S. COLLEGE ROAD	
CITY	STATE
WILMINGTON	NORTH CAROLINA
COUNTY	
NEW HANOVER	
PIN	LOCATION CODE NUMBER
R06114-004-001-000	032-0496
TEP PID	
56725	

SETBACKS SHOWN PER CITY OF WILMINGTON 18-195

SCALE: 1" = 20'-0"



APPROVED CONSTRUCTION PLAN

NAME: _____ DATE: _____

PLANNING: _____

TRAFFIC: _____

FIRE: _____

Public Services Engineering Division
APPROVED DRAINAGE PLAN

Date: _____ Permit #: _____

Signed: _____

REV	DATE	DESCRIPTION	ISSUED BY
3	01-04-2017	REVISION 3 PER CITY COMMENTS	
2	12-29-2016	REVISION 2 PER CITY COMMENTS	
1	12-01-2016	REVISION PER CITY COMMENTS	
0	9-9-2016	FIRST ISSUE	

TOWER ENGINEERING PROFESSIONALS
326 TRYON ROAD
RALEIGH, NC 27603
OFFICE: (919) 661-6351
www.tepgroup.net
N.C. LICENSE # C-1794

January 4, 2016

McDonald's

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OFFICE: RALEIGH REGION
ADDRESS: 4601 SIX FORDS ROAD - SUITE 200 - RALEIGH, N.C. 27609

PLAN APPROVAL

REGIONAL MGR. _____

REGIONAL DEV. DIRECTOR _____

REGIONAL CONSTRUCTION MGR. _____

REGIONAL REAL ESTATE MGR. _____

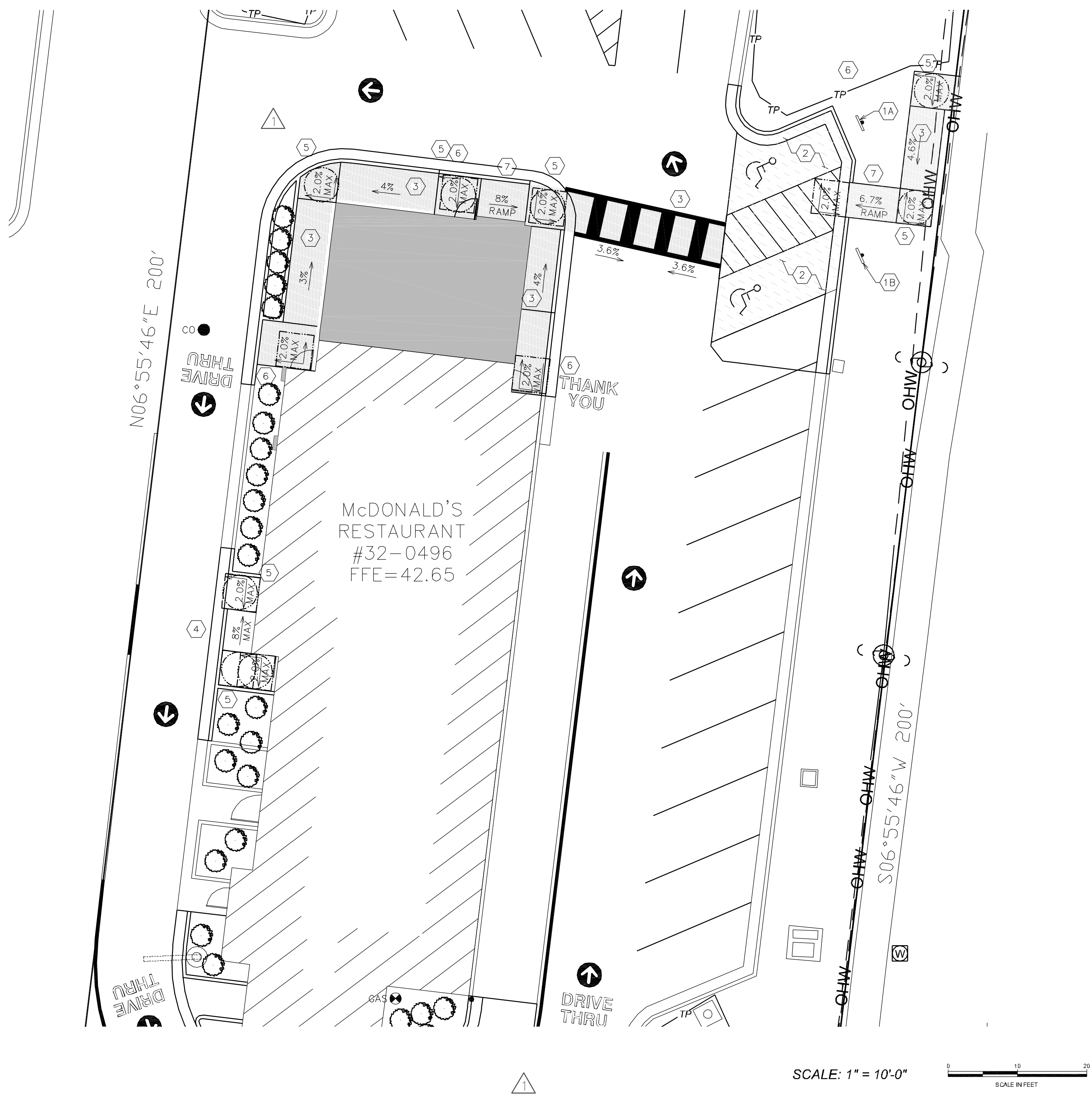
CO-SIGN SIGNATURES _____

AREA CONSTRUCTION MGR. _____

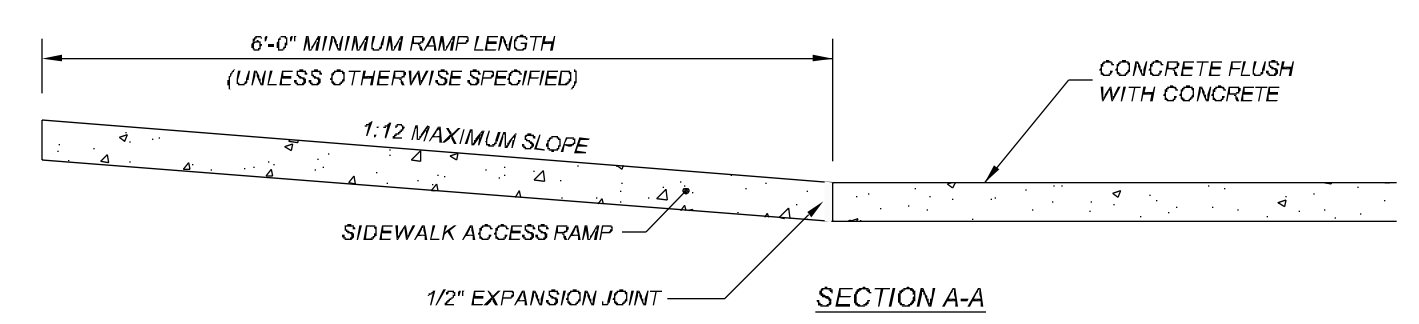
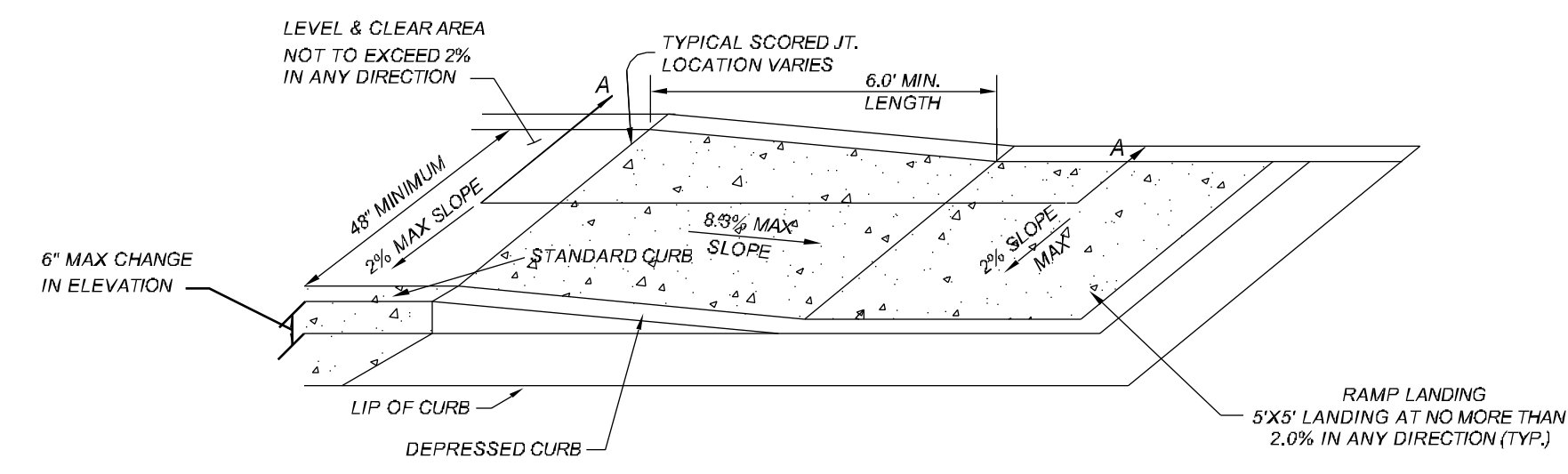
CONTRACTOR _____

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

C-3
SITE PLAN



SCALE: 1" = 10'-0"

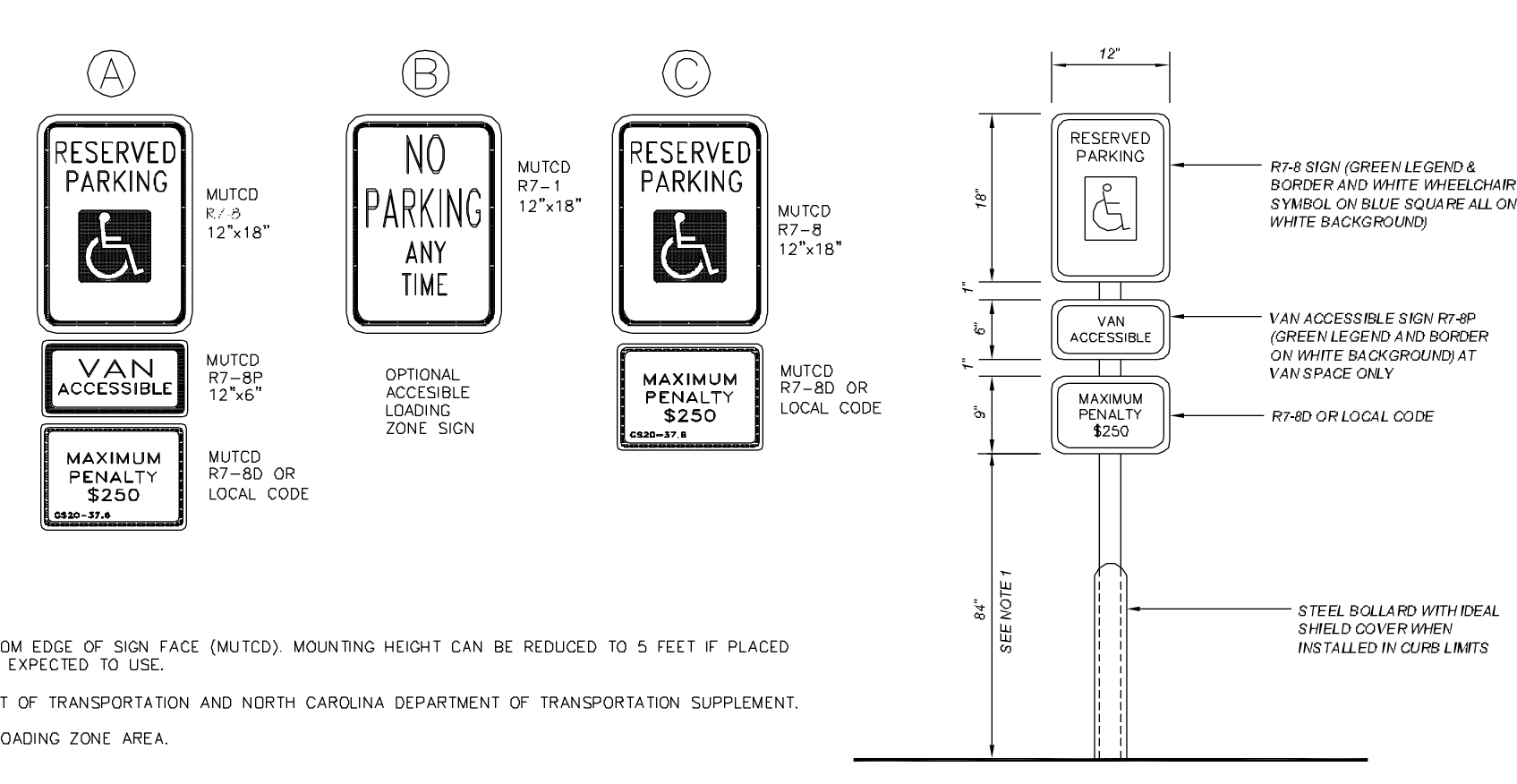


TYPICAL ACCESSIBLE RAMP DETAIL
SCALE: N.T.S.

ACCESSIBLE PARKING REQUIREMENTS

TOTAL PARKING SPACES PROVIDED	MINIMUM NUMBER OF ACCESSIBLE SPACES REQUIRED	MINIMUM NUMBER OF ACCESSIBLE SPACES REQUIRED TO BE VAN ACCESSIBLE
1 TO 25	1	1
26 TO 50	2	1
51 TO 75	3	1
76 TO 100	4	1
101 TO 150	5	1
151 TO 200	6	1
201 TO 300	7	2
301 TO 400	8	2
401 TO 500	9	2
501 TO 1000	2% OF TOTAL	1 IN EVERY 6 ACCESSIBLE SPACES
1001 AND OVER	2% PLUS 1 FOR EACH 100 OVER 1000	1 IN EVERY 6 ACCESSIBLE SPACES

REFERENCE: SECTION 1106 OF NC STATE BUILDING CODE



- NOTES:
- ALL 12"x18" ACCESSIBLE SIGNS SHALL BE MOUNTED AT 7 FEET FROM GRADE TO BOTTOM EDGE OF SIGN FACE (MUTCD). MOUNTING HEIGHT CAN BE REDUCED TO 5 FEET IF PLACED IN AN AREA BETWEEN SIDEWALK AND BUILDING FACE IN WHICH PEDESTRIANS ARE NOT EXPECTED TO USE.
 - REFER TO MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, (MUTCD) U.S. DEPARTMENT OF TRANSPORTATION AND NORTH CAROLINA DEPARTMENT OF TRANSPORTATION SUPPLEMENT.
 - IF ACCESSIBLE ROUTE IS A RAISED SIDEWALK AREA, THEN RAMP IS REQUIRED AT LOADING ZONE AREA.
 - SIGNAGE MUST NOT OBSTRUCT ACCESSIBLE ROUTE OR RAMP.
 - SIGNAGE TO BE INSTALLED ON STEEL BOLLARD WITH IDEAL SHIELD COVER WHEN INSTALLED INSIDE CURB/ASPHALT LIMITS
 - PER CITY OF WILMINGTON STANDARD, ACCESSIBLE SIGNAGE TO BE MAINTAINED BY PROPERTY OWNER.

ACCESSIBLE PARKING & SIGNAGE
NOT TO SCALE

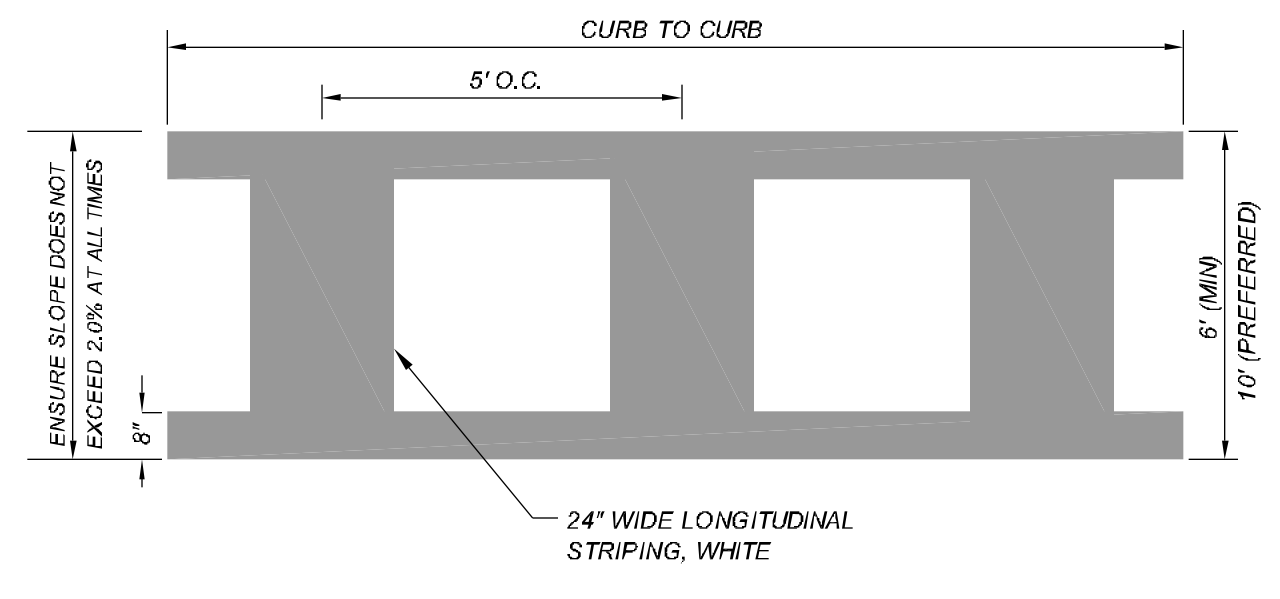
GENERAL SITE NOTES:

- 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 "ONE CALL" AT 1-800-632-4949 OR 811 FOR ASSISTANCE IN LOCATING EXISTING UTILITIES. CALL AT LEAST 72 HOURS PRIOR TO ANY DIGGING.
- SUBJECT PROPERTY IS NOT LOCATED WITHIN A SPECIAL FLOOD HAZARD ZONE, IT IS LOCATED IN ZONE "X" AS DEFINED BY FEMA F.I.R.M. COMMUNITY PANEL NUMBER 3720313600J, WITH AN EFFECTIVE DATE OF APRIL 3, 2006.
- EXTERIOR ACCESSIBLE SIGNAGE (ISA/DIRECTION, SPEACH/HEARING IMPAIRED, ETC.) TO BE INSTALLED BY GENERAL CONTRACTOR IN REQUIRED LOCATIONS PER CODE

ACCESSIBILITY KEY NOTES:

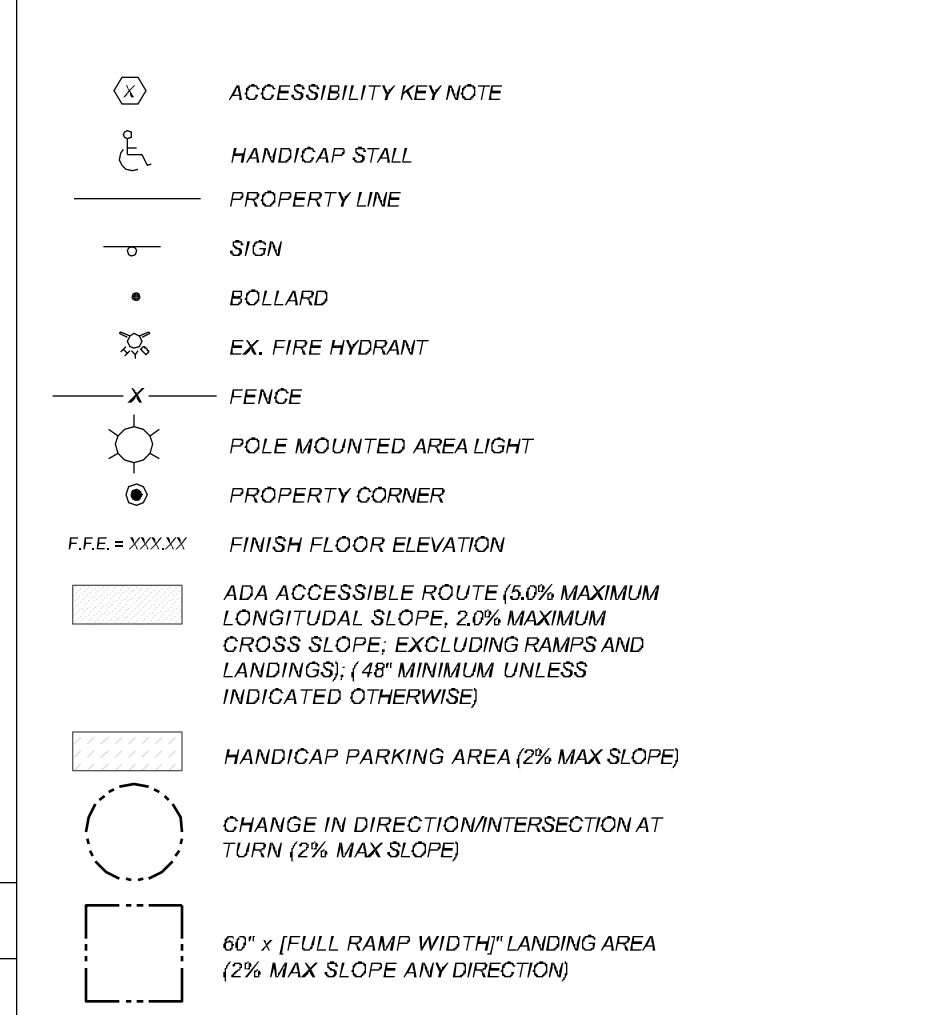
- (1A) INSTALL ACCESSIBLE VAN SIGNAGE - SEE THE SPECIFICATION ON THIS SHEET FOR DETAILS
- (1B) INSTALL ACCESSIBLE CAR SIGNAGE - SEE THE SPECIFICATION ON THIS SHEET FOR DETAILS
- (2) ACCESSIBLE PARKING SPACES' AND AISLE'S SLOPES NOT TO EXCEED 2.0% IN ANY DIRECTION
- (3) PROPOSED EXTERIOR WALKWAY TO HAVE A SLOPE OF NO MORE THAN 5% AND A CROSS SLOPE OF NO MORE THAN 2.0%
- (4) ACCESSIBLE EGRESS TO GRADE
- (5) ANY CHANGE IN DIRECTION AND/OR INTERSECTION AT A TURN ALONG THE ACCESSIBLE PATH TO HAVE SLOPE AND CROSS SLOPE NO GREATER THAN 2.0%
- (6) CLEAR FLOOR AREA FOR DOOR - LANDING AREA NOT TO EXCEED 2.0% IN ANY DIRECTION
- (7) PROPOSED EXTERIOR ACCESSIBLE RAMP TO HAVE A SLOPE OF NO MORE THEN 8.3% AND A CROSS SLOPE OF NO MORE THAN 2.0%

- NOTE:
- 2.00% MAX CROSS SLOPE AND 5.0% MAX LONGITUDINAL SLOPE
 - MARKING SHOWN INTENDED TO MEET WILMINGTON TECHNICAL STANDARDS AND SPECIFICATIONS MANUAL SD 11-11.



ACCESSIBLE CROSSWALK DETAIL
NOT TO SCALE

LEGEND



ACCESSIBLE SLOPE CHART

	SLOPE	CROSS SLOPE
PARKING SPACE	2.0% MAX	2.0% MAX
ACCESSIBLE AISLE	2.0% MAX	2.0% MAX
ACCESSIBLE ROUTE	5.0% MAX	2.0% MAX
ACCESSIBLE RAMP	8.3% MAX	2.0% MAX
TOP/BOTTOM LANDING	2.0% MAX	2.0% MAX
DOOR LANDING	2.0% MAX	2.0% MAX
WALKWAY	5.0% MAX	2.0% MAX
CHANGE IN DIRECTION	2.0% MAX	2.0% MAX

NOTE:
CONTRACTOR TO VERIFY ALL EXISTING SLOPES. CONTACT TEP IN THE EVENT OF ANY SUBSTANTIAL DISCREPANCIES

PROPOSED PARKING INFORMATION

TOTAL SPACES	ACCESSIBLE SPACES	SPACES	SIZE	ANGLE
18	2	SPACES	8' X 17'	@ 60°
	9	SPACES	8.5' X 17'	@ 60°
	4	SPACES	8.5' X 18'	@ 60°
	1	SPACES	9.5' X 18'	@ 60°
	2	SPACES	9' X 18'	@ 90°

STREET ADDRESS 2702 S. COLLEGE ROAD		
CITY WILMINGTON	STATE NORTH CAROLINA	
COUNTY NEW HANOVER		
PIN R06114-004-001-000	LOCATION CODE NUMBER 032-0496	
TEP PID 56725		

APPROVED CONSTRUCTION PLAN

NAME: _____ DATE: _____

PLANNING: _____

TRAFFIC: _____

FIRE: _____

Public Services Engineering Division
APPROVED DRAINAGE PLAN

Date: _____ Permit #: _____

Signed: _____

REV	DATE	DESCRIPTION	BY	ISSUE/REF
3	01-04-2017	REVISION 3 PER CITY COMMENTS		
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TOWER ENGINEERING PROFESSIONALS
326 TRYON ROAD
RALEIGH, NC 27603
OFFICE: (919) 661-6351
www.tepgroup.net
N.C. LICENSE # C-1794

North Carolina Professional Engineer
DRICK T. ...
January 4, 2016

McDonald's
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OFFICE ADDRESS: 4601 SIX FORKS ROAD - SUITE 200 - RALEIGH, N.C. 27609

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

STATUS: FINAL DATE: - BY: -

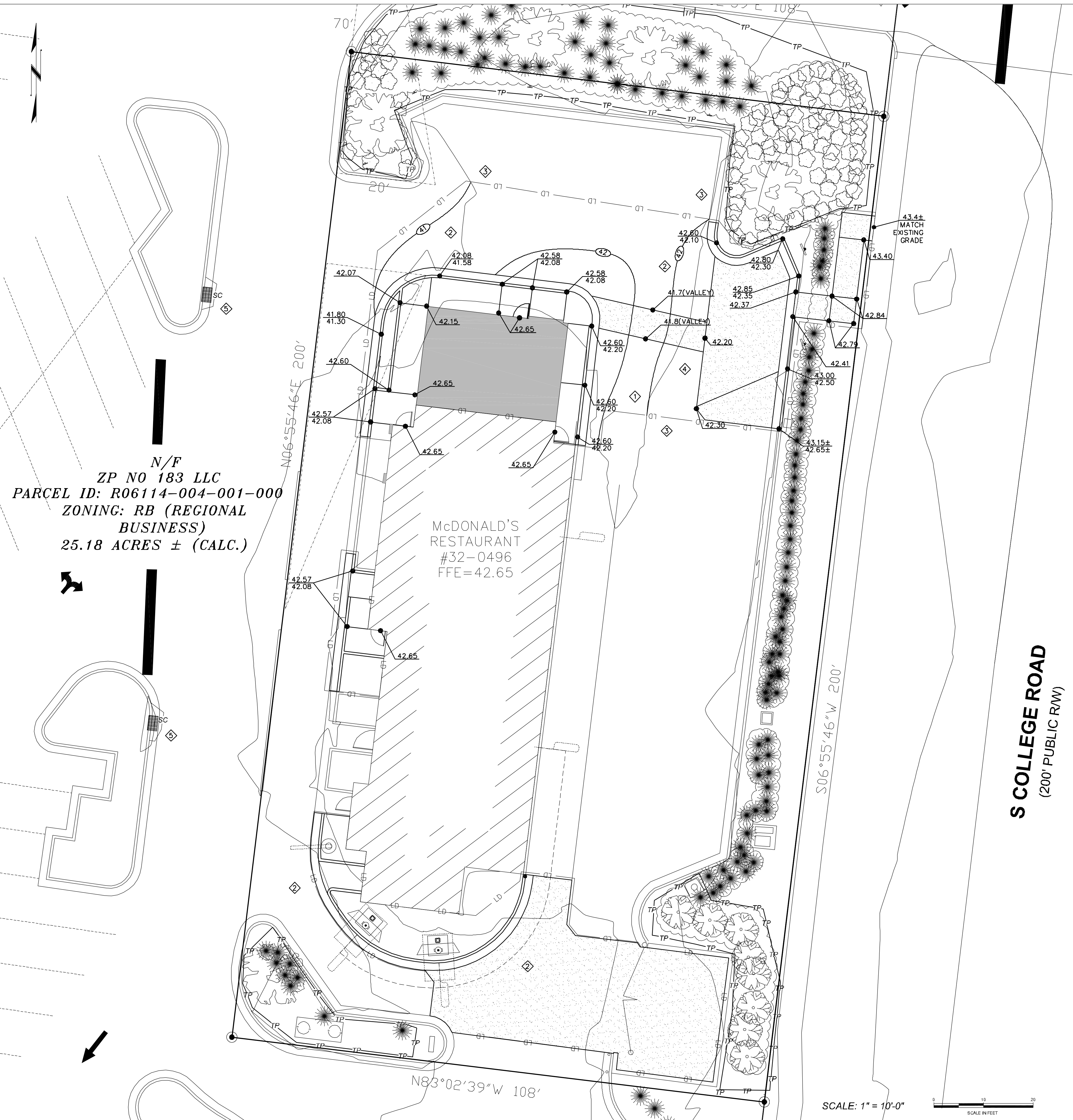
PLAN CHECKED: -

AS-BUILT: -

PIN: R06114-004-001-000 LOCATION CODE NUMBER: 032-0496

TEP PID: 56725

C-4
ACCESSIBILITY PLAN



N/F
 ZP NO 183 LLC
 PARCEL ID: R06114-004-001-000
 ZONING: RB (REGIONAL BUSINESS)
 25.18 ACRES ± (CALC.)

McDONALD'S RESTAURANT
 #32-0496
 FFE=42.65

S COLLEGE ROAD
 (200' PUBLIC RW)

GRADING/EROSION CONTROL 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 CONTACTING ALL NON-SUBSCRIBING UTILITIES. THE CONTRACTOR(S) SHALL CONTACT NORTH CAROLINA "ONE CALL" AT 1-800-632-4949 OR 811 FOR ASSISTANCE IN LOCATING EXISTING UTILITIES. CALL AT LEAST 72 HOURS PRIOR TO ANY DIGGING.
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3. 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.
4. THE EROSION CONTROL MEASURES ARE TO BE IN PLACE PRIOR TO ANY EARTHWORK.
5. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED UNTIL DISTURBED AREAS ARE STABILIZED.
6. ALL EROSION CONTROL FACILITIES SHALL BE INSPECTED AND REPAIRED AT A MINIMUM OF WEEKLY BASIS AND AFTER EVERY RAIN EVENT.
7. 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.
8. ALL CONSTRUCTION TRAFFIC SHALL ENTER AND EXIT THE SITE VIA THE CONSTRUCTION ENTRANCES.
9. THE APPROXIMATE AREA OF THE LIMITS OF CLEARING, GRADING AND CONSTRUCTION IS 0.13 ACRES.
10. ALL ELEVATIONS SHOWN ARE IN REFERENCE TO THE BENCHMARK AND MUST BE VERIFIED BY THE GENERAL CONTRACTOR AT GROUNDBREAK.

GRADING KEY NOTES

- ◇ DUE TO EXISTING SLOPES ON SITE THE CENTER OF THE LOT WILL HAVE A LOW POINT OR VALLEY. THIS VALLEY MUST BE BELOW THE EXISTING DRIVE THRU AREA GRADES TO MAINTAIN POSITIVE DRAINAGE AND TIE INTO THE EXISTING PARKING RUNOFF
- ◇ SITE CONTRACTOR TO TIE BACK TO EXISTING GRADES AND MAINTAIN POSITIVE DRAINAGE THROUGHOUT THE SITE. CONTACT TEP WITH DISCREPANCIES OR CONCERNS PRIOR TO CONSTRUCTION.
- ◇ GRADE LINE TIE-INS ARE APPROXIMATE. CONTRACTOR TO FIELD ADJUST TO MAINTAIN EXISTING DRAINAGE AS REQUIRED.
- ◇ SLOPES AT THE ACCESSIBLE CROSSWALK ARE SHOWN AT 3.6% TO THE VALLEY. THESE MAY BE ADJUSTED AS REQUIRED TO MAINTAIN DRAINAGE. MINIMUM/MAXIMUM RUNNING SLOPE TO BE 0% AND 5% RESPECTIVELY.
- ◇ ALL STORMWATER SHEET FLOWS TO EXISTING DRAIN INLETS. THE EXISTING DRAIN CONNECTS TO CITY PUBLIC STORMWATER. THE SITE IS NOT INCLUDED ON THE LONG LEAF MALL STATE STORMWATER PERMIT. RUNOFF PATTERN WILL NOT BE ALTERED BY THIS PROJECT.

IMPERVIOUS SURFACE AREA DATA TABLE		
	SQ. FT.	% TOTAL
TOTAL PROPERTY AREA	21,600	100.00
EXISTING ONSITE IMPERVIOUS AREA	16,522	76.49
IMPERVIOUS DEMOLISHED AREA	5,491	25.42
EXISTING IMPERVIOUS SURFACE TO REMAIN	11,031	51.07
CONSTRUCTED/RECONSTRUCTED AREA	5,441	25.19
NEW TOTAL ONSITE IMPERVIOUS AREA	16,472	76.26
NET INCREASE IN IMPERVIOUS SURFACE AREA	-50	0.23

APPROXIMATE LIMITS OF DISTURBANCE MAY VARY BASED OFF SITE SPECIFICS. ADDITIONAL ASPHALT SHALL TRANSITION TO THE EXISTING LOT WITH NO GREATER SLOPE THAN 5% UNLESS NOTED OTHERWISE. CONTACT TEP IN THE EVENT OF ANY SUBSTANTIAL DISCREPANCIES

SLOPES SHOWN INTENDED TO MATCH DRAINAGE ON EXISTING SITE - CONTRACTOR TO VERIFY SLOPES AND DRAINAGE - MODIFY AS REQUIRED

LEGEND

- INLET
- WOOD/TREE LINE
- TOP OF CURB
- BOTTOM OF CURB
- SPOT ELEVATION
- HANDICAP PARKING AREA (2% MAX. SLOPE)
- PROPERTY LINE
- SETBACK LINE
- EASEMENT
- FINISH FLOOR ELEVATION
- TELEPHONE LINE
- WATER LINE
- OVERHEAD UTILITIES
- UNDERGROUND ELECTRICAL
- SANITARY SEWER
- ROOF DRAIN
- RIGHT OF WAY
- SILT FENCE OR TREE PROTECTION (WHERE APPLICABLE)
- LIMITS OF DISTURBANCE
- INLET PROTECTION (SEE DETAILS FOR METHODS)

PROPOSED PARKING INFORMATION

TOTAL SPACES	ACCESSIBLE SPACES	SPACES	SIZE	ANGLE
18	2	9	8.5' X 17'	@ 60°
	4	3	8.5' X 18'	@ 60°
	1	1	9.5' X 18'	@ 60°
	2	2	9' X 18'	@ 90°

STREET ADDRESS
 2702 S. COLLEGE ROAD

CITY: WILMINGTON STATE: NORTH CAROLINA

COUNTY: NEW HANOVER

PIN: R06114-004-001-000 LOCATION CODE NUMBER: 032-0496

TEP PID: 56725

APPROVED CONSTRUCTION PLAN

PLANNING: _____ DATE: _____

TRAFFIC: _____

PREPARED BY: _____

WILMINGTON CONSULTING ENGINEERS
 Public Services/Engineering Division
 APPROVED DRAINAGE PLAN

Date: _____ Permit #: _____

Signed: _____

REV	DATE	DESCRIPTION	BY	ISSUE/REF
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January 4, 2016

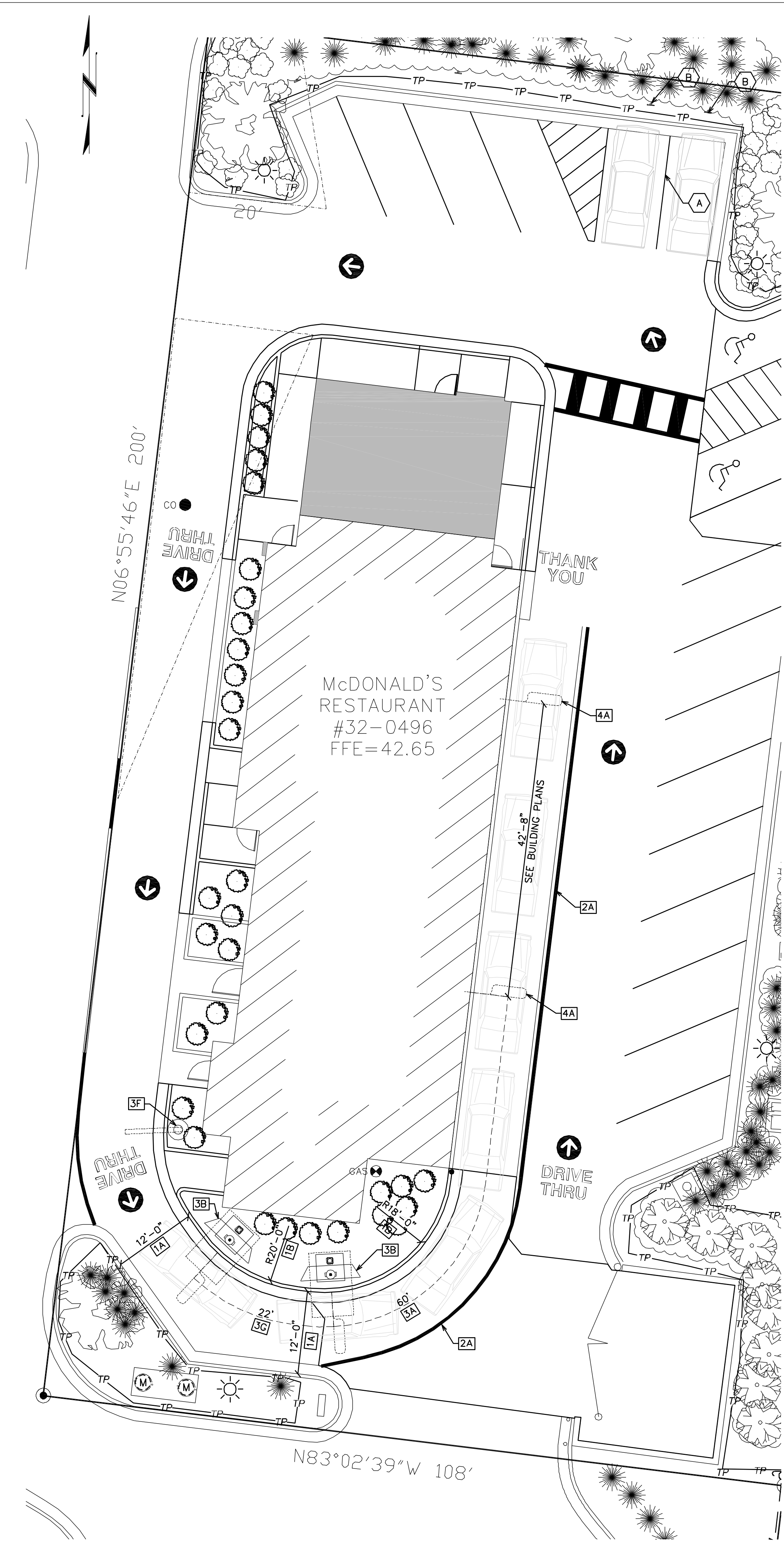
McDonald's

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OFFICE: RALEIGH REGION ADDRESS: 4601 SIX FORKS ROAD - SUITE 200 - RALEIGH, N.C. 27609

DATE	PLAN APPROVAL SIGNATURE (2 REQUIRED)	STATUS	DATE	BY
		FINAL	-	-
		PLAN CHECKED	-	-
		AS-BUILT	-	-

C-5
 GRADING/EROSION PLAN

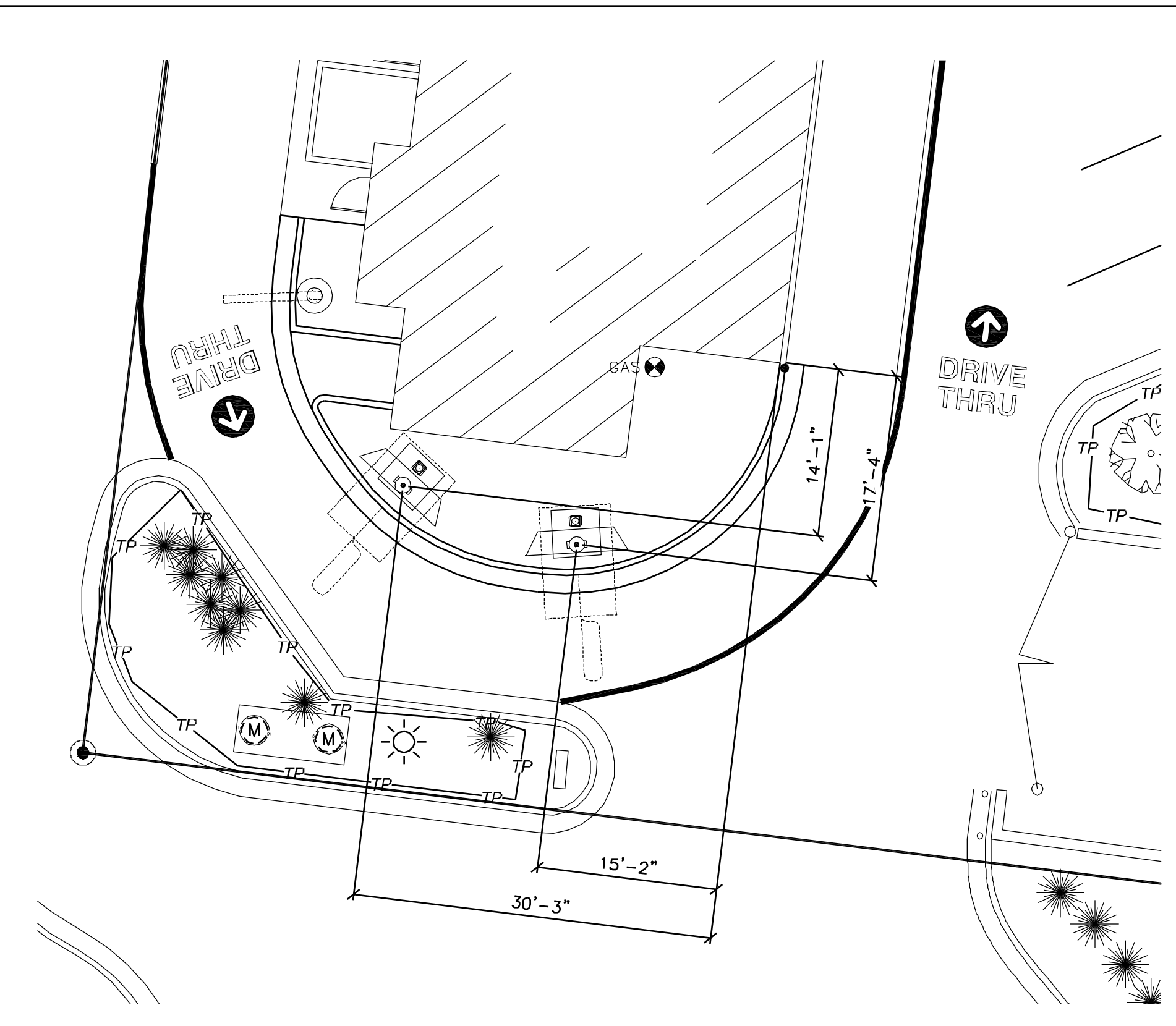


TANDEM DRIVE-THRU STANDARDS

- TANDEM DRIVE-THRU STANDARD CURBING DETAILS:
 - 1A DRIVE-THRU LANES BOUND BY CURB ON BOTH SIDES ARE TO BE 12'-0". LANES BOUND BY CURB ON ONE SIDE AND PAINTED STRIPING ON THE OTHER SIDE ARE TO BE A MIN. OF 10'-0".
 - 1B THE MIN. RADIUS FOR ALL INSIDE/DRIVER'S SIDE DRIVE-THRU CURBING IS 18'-0" (MRPs ONLY). 20'-0" IS PREFERRED.
- TANDEM DRIVE-THRU STANDARD PAVEMENT MARKINGS:
 - 2A 6" WIDE YELLOW PAINT STRIPE TO SPAN OUTER EDGE OF THE ENTIRE DRIVE-THRU LANE. LANE STARTS AT DRIVE-THRU ENTRANCE WHERE "McDONALD'S GATEWAY" IS LOCATED.
- TANDEM DRIVE-THRU STANDARD EQUIPMENT POSITIONING:
 - 3A MIN. 60' (+/-5') LINEAR DISTANCE BETWEEN THE CENTER LINE OF THE COD FACE AND THE CENTER LINE OF THE OPEN CASH BOOTH WINDOW AS MEASURED ALONG THE CENTER LINE OF THE LANE. THIS MAY ONLY BE INCREASED IN 20' INCREMENTS TO A MAX. OF 100'. 80' IS OPTIMAL.
 - 3B OPO MENU BOARD WITH INTEGRATED COD
 - 3C NOT USED
 - 3D NOT USED
 - 3E A SINGLE BOLLARD SHOULD BE POSITIONED AT THE CORNER OF THE BUILDING ON THE DRIVE-THRU SIDE. IT SHOULD BE FLUSH AGAINST THE BUILDING AND FACE OF THE BOLLARD SHOULD BE TIGHT AGAINST THE BACK OF THE CURB.
 - 3F AUGER "McDONALD'S GATEWAY" FOUNDATION TIGHT AGAINST BACK OF CURB. SEE MANUFACTURER/LOCAL SPECIFICATIONS FOR DETAILS.
 - 3G THE MIDPOINT OF THE SECONDARY COD FACE IS LOCATED 20'-0" (+ 2'; 20'-22") BACK FROM THE CENTER OF THE PRIMARY COD AS MEASURED ALONG THE CENTERLINE OF THE DRIVE-THRU LANE.
 - 3H NOT USED
 - 3I NOT USED
- TANDEM DRIVE-THRU STANDARD DETECTOR LOOP:
 - 4A DETECTOR LOOPS SHALL BE LOCATED AT THE CENTER OF THE OPENING WINDOW AT THE CASH AND PRESENT BOOTHS.

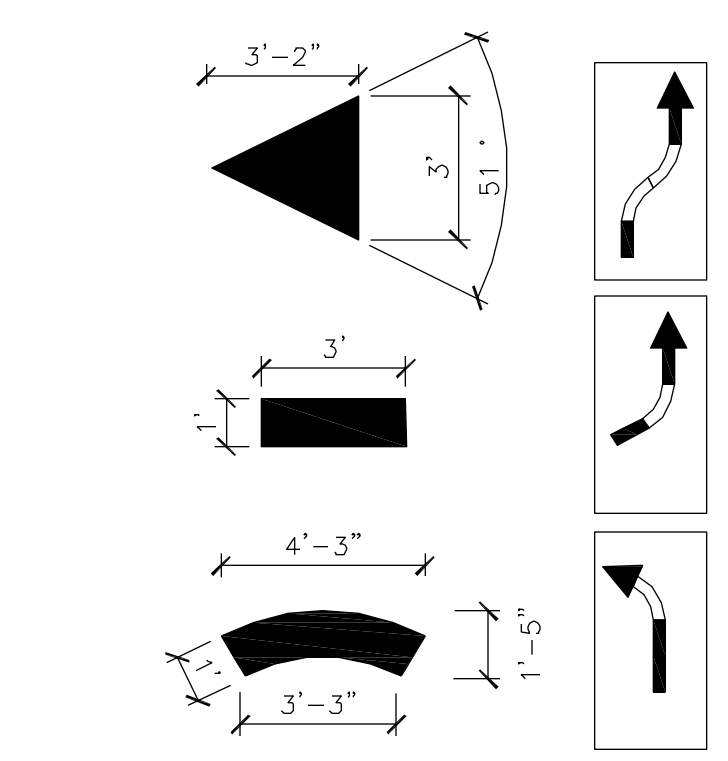
DT OOSP FEATURES:

- A PAINT OOSP PARKING STALL STRIPING 4" WIDE, YELLOW
- B PROVIDE APPROVED SIGNAGE AT FRONT OF PULL FORWARD POSITION DEDICATING AREA FOR DRIVE THRU LANE STACKING, WHERE APPLICABLE, BASE OF THE SIGN SHALL BE POSITIONED FREE AND CLEAR OF ANY ACCESSIBILITY ELEMENTS/FEATURES



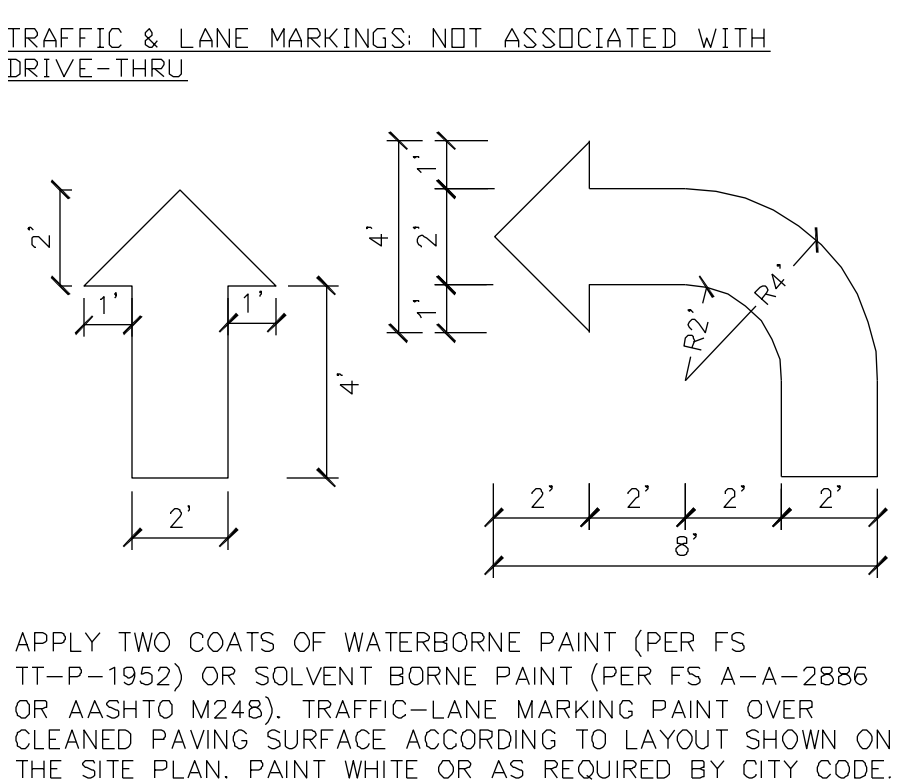
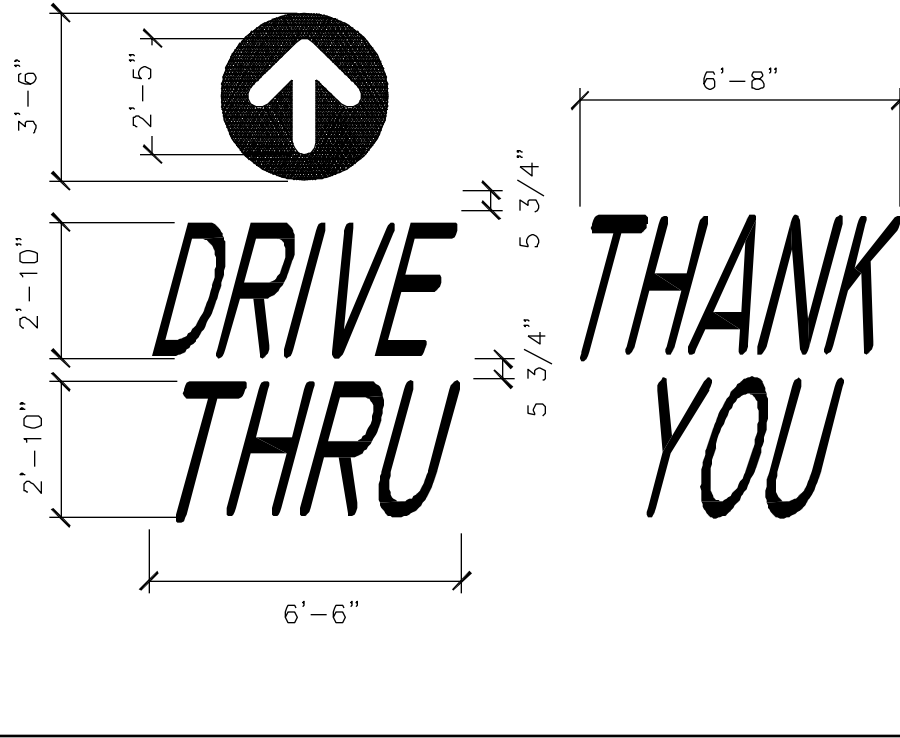
NOTES:

- ALL PAINT MARKINGS TO BE APPLIED TO ASPHALT WHEN OUTDOOR TEMPERATURE EXCEEDS +8" MINIMUM.
- ALL PARKING STALL MARKINGS SHALL BE PAINTED WHITE.
- ALL DRIVE-THRU MARKINGS SHALL BE PAINTED YELLOW (PMS123), INCLUDING DRIVE THRU, "THANK YOU," ALL DIRECTIONAL ARROWS AND DRIVE THRU LANE MARKINGS. BROADCAST GLASS BEADS UNIFORMLY INTO WET PAVEMENT MARKINGS AT A RATE OF 6LB/GAL.
- CONTACT: "PAVEMENT STENCIL COMPANY" P.O. BOX 915755, LONGWOOD, FLORIDA 32791, PHONE: 1-800-250-5547



PAVEMENT BRANDING NOTES:

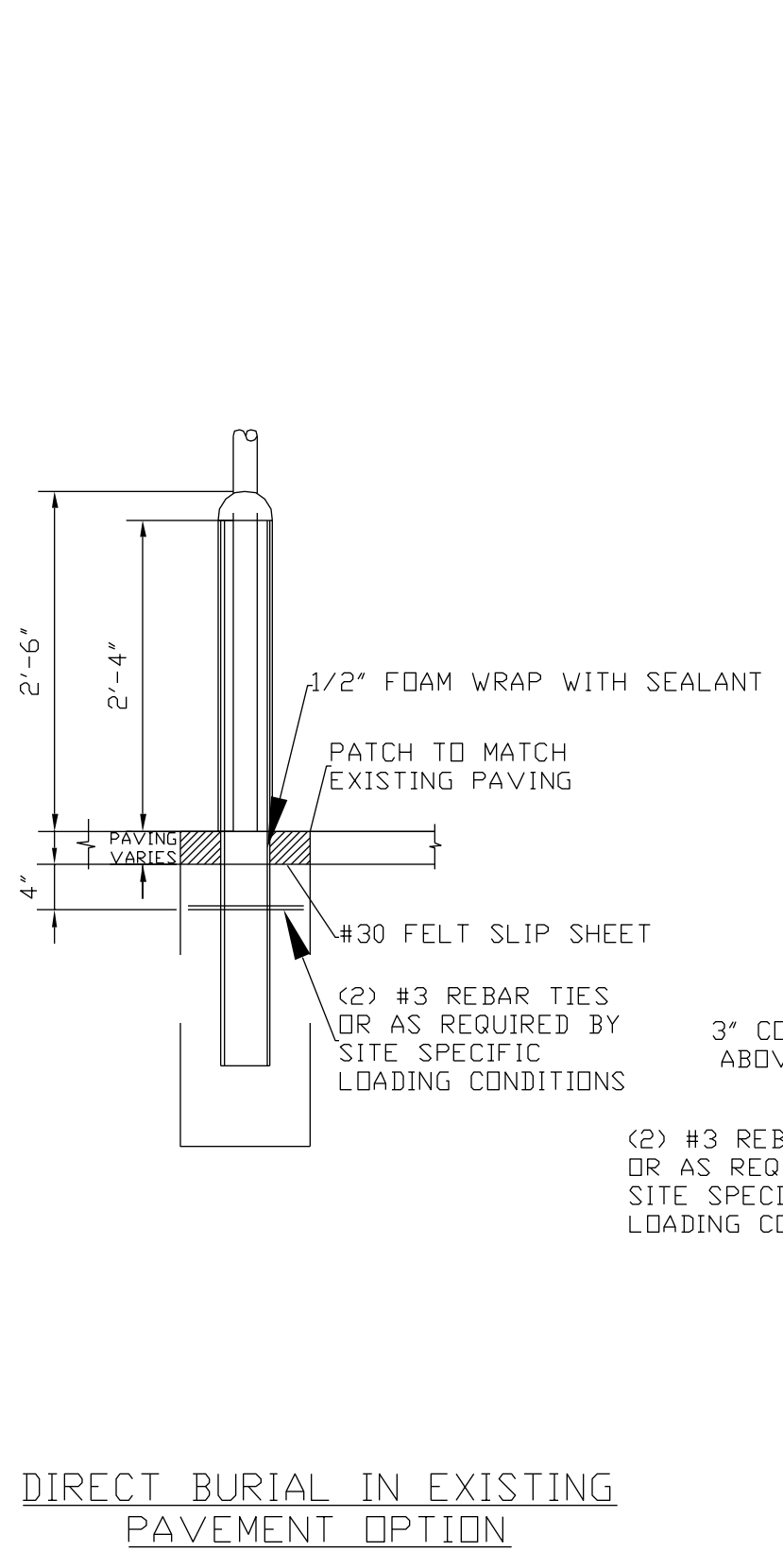
- YELLOW PAINT (PMS123) IS USED FOR ALL DRIVE-THRU MARKINGS.
- THE WORDS 'DRIVE-THRU' AND THE CIRCLE ARROW ARE PLACED AT ALL ENTRANCES TO THE LOT APPROX. 25' TO 30' FROM THE CURB OR SIDEWALK.
- THE WORDS 'DRIVE-THRU' SHOULD BE CENTERED IN THE DRIVEWAY FOR ONE WAY TRAFFIC (ON THE INGRESS SIDE OF THE DRIVE AISLE IF THERE IS TWO WAY TRAFFIC).
- THE CIRCLE DIRECTIONAL ARROW SHOULD BE CENTERED ABOVE THE WORD 'DRIVE' APPROX. 5' IN TO THE PARKING LOT.
- IF FIVE OR MORE ARROWS ARE NEEDED TO DIRECT CARS TO THE DRIVE-THRU, PLAN THE CORRECT PLACEMENT OF THE ARROWS TO INCLUDE THE APPLICATION OF THE WORDS 'DRIVE THRU' WITH AN ARROW CENTERED ABOVE THE WORD 'DRIVE,' ORIENTED TO THE DECISION POINT.
- THE DOUBLE-HEADED ARROW FOR A SIDE-BY-SIDE DRIVE-THRU SHOULD BE POSITIONED TO DIRECT TRAFFIC TO EITHER LANE, AS CARS APPROACH TO THE ISLAND. EACH ARROW MUST BE CUSTOMIZED TO FIT THE LANE CONFIGURATION.



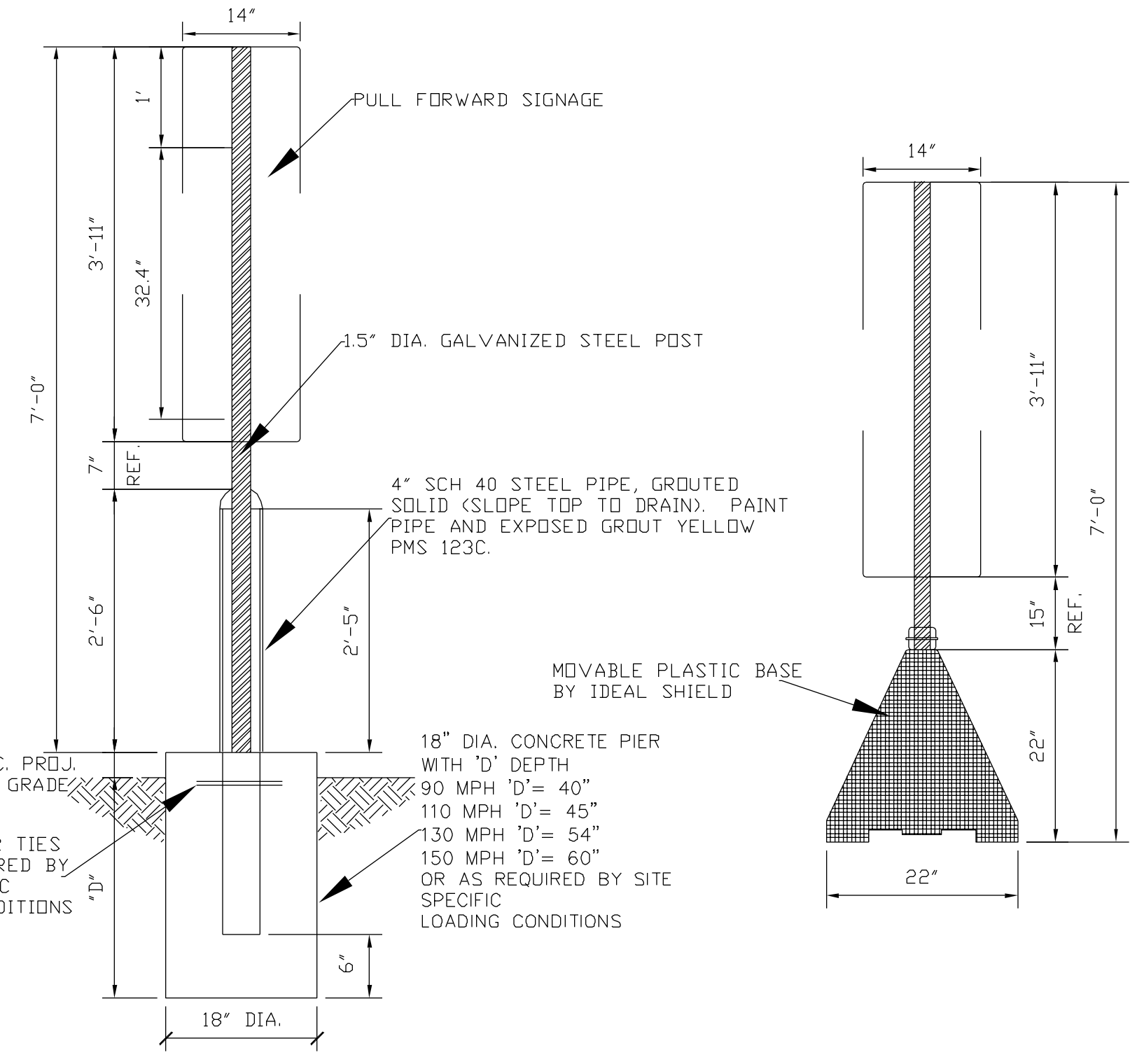
TRAFFIC & LANE MARKINGS: NOT ASSOCIATED WITH DRIVE-THRU

APPLY TWO COATS OF WATERBORNE PAINT (PER FS 11-P-1952) OR SOLVENT BORNE PAINT (PER FS A-A-2886 OR AASHTO M248). TRAFFIC-LANE MARKING PAINT OVER CLEANED PAVING SURFACE ACCORDING TO LAYOUT SHOWN ON THE SITE PLAN. PAINT WHITE OR AS REQUIRED BY CITY CODE.

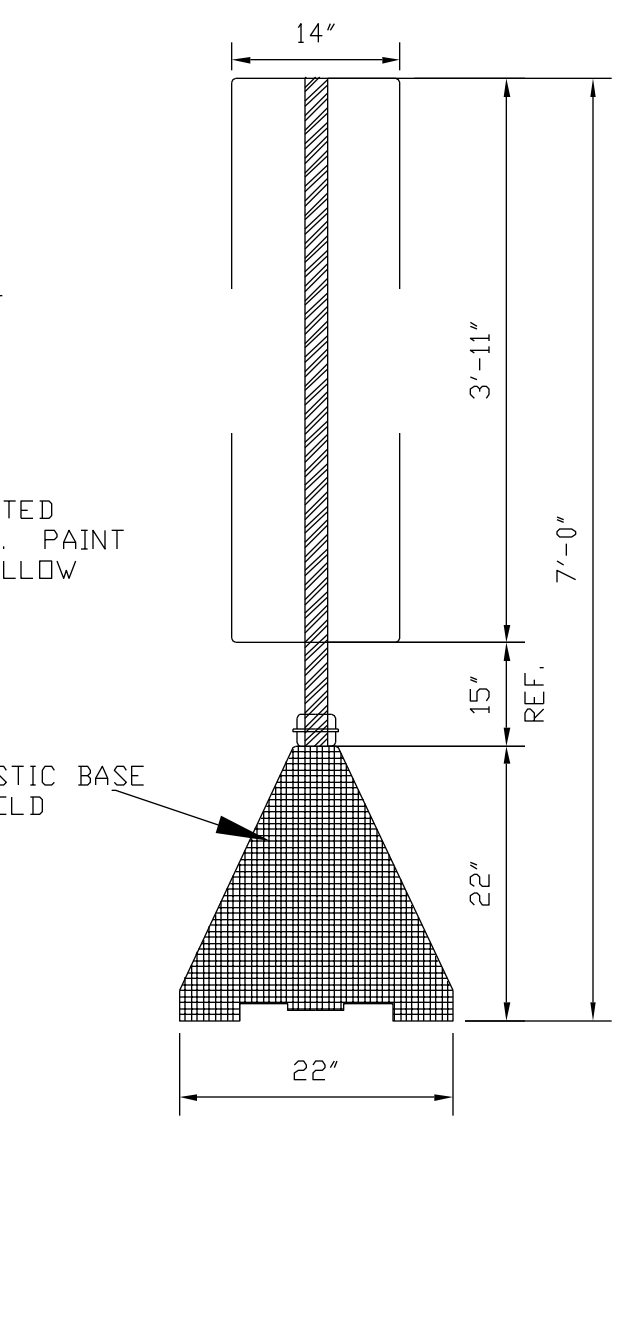
STREET ADDRESS 2702 S. COLLEGE ROAD		STATE NORTH CAROLINA	
CITY WILMINGTON	COUNTY NEW HANOVER	LOCATION CODE NUMBER 032-0496	
PIN R06114-004-001-000		TEP PID 56725	



DIRECT BURIAL IN EXISTING PAVEMENT OPTION



DIRECT BURIAL IN SOIL/LANDSCAPING OPTION



BASE AND POST OPTION

APPROVED CONSTRUCTION PLAN

NAME: _____ DATE: _____

PLANNING: _____

TRAFFIC: _____

FIRE: _____

WILMINGTON NORTH CAROLINA
Public Services/Engineering Division
APPROVED DRAINAGE PLAN

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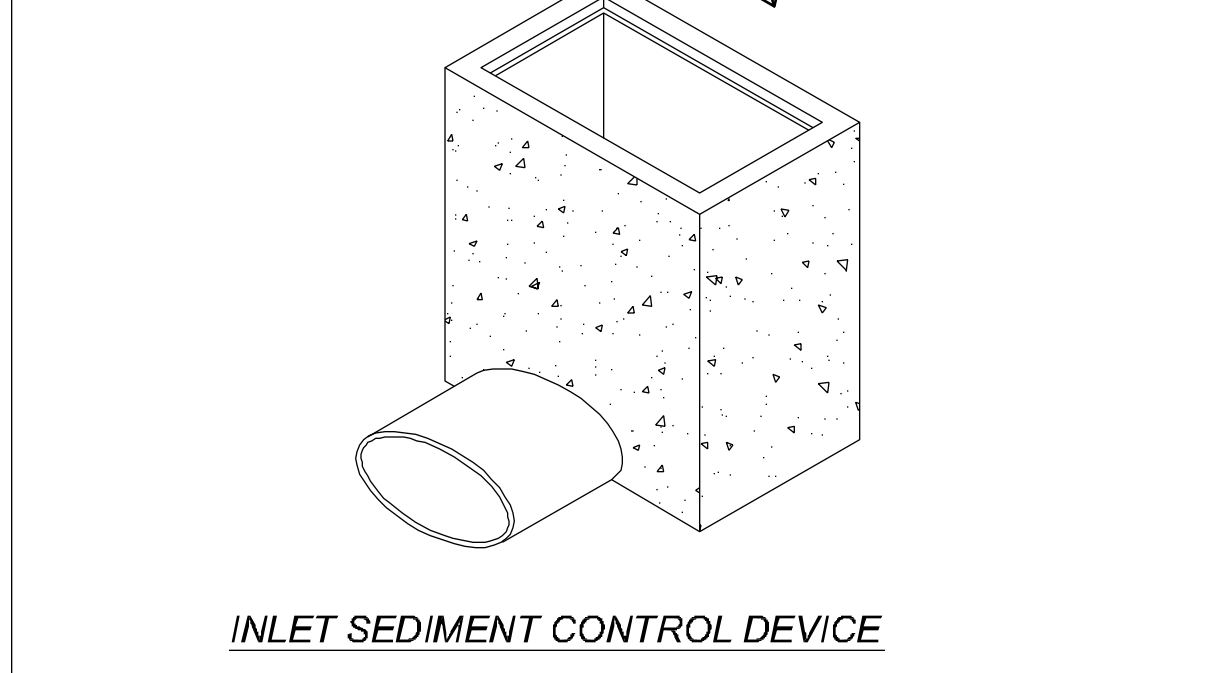
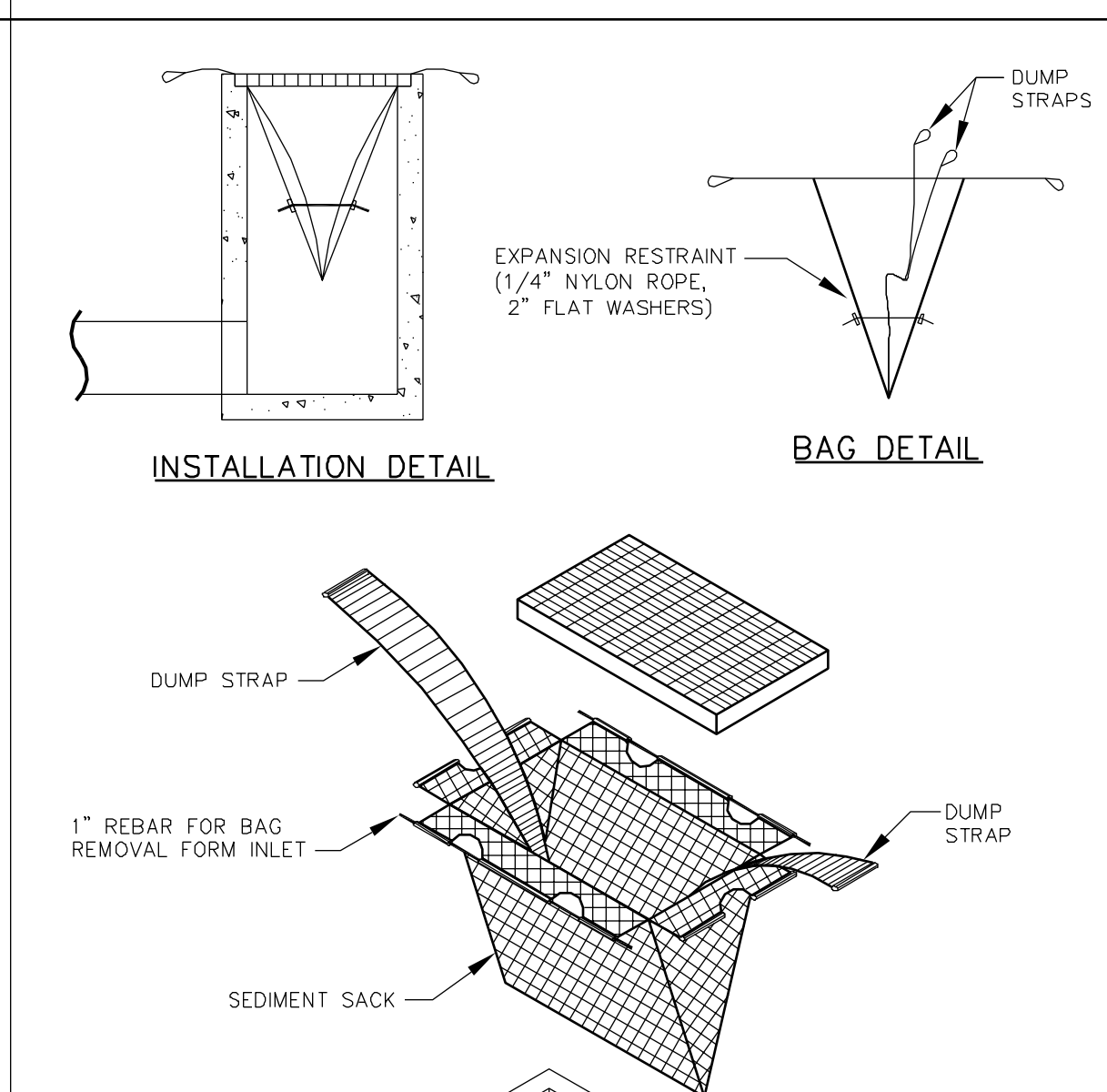
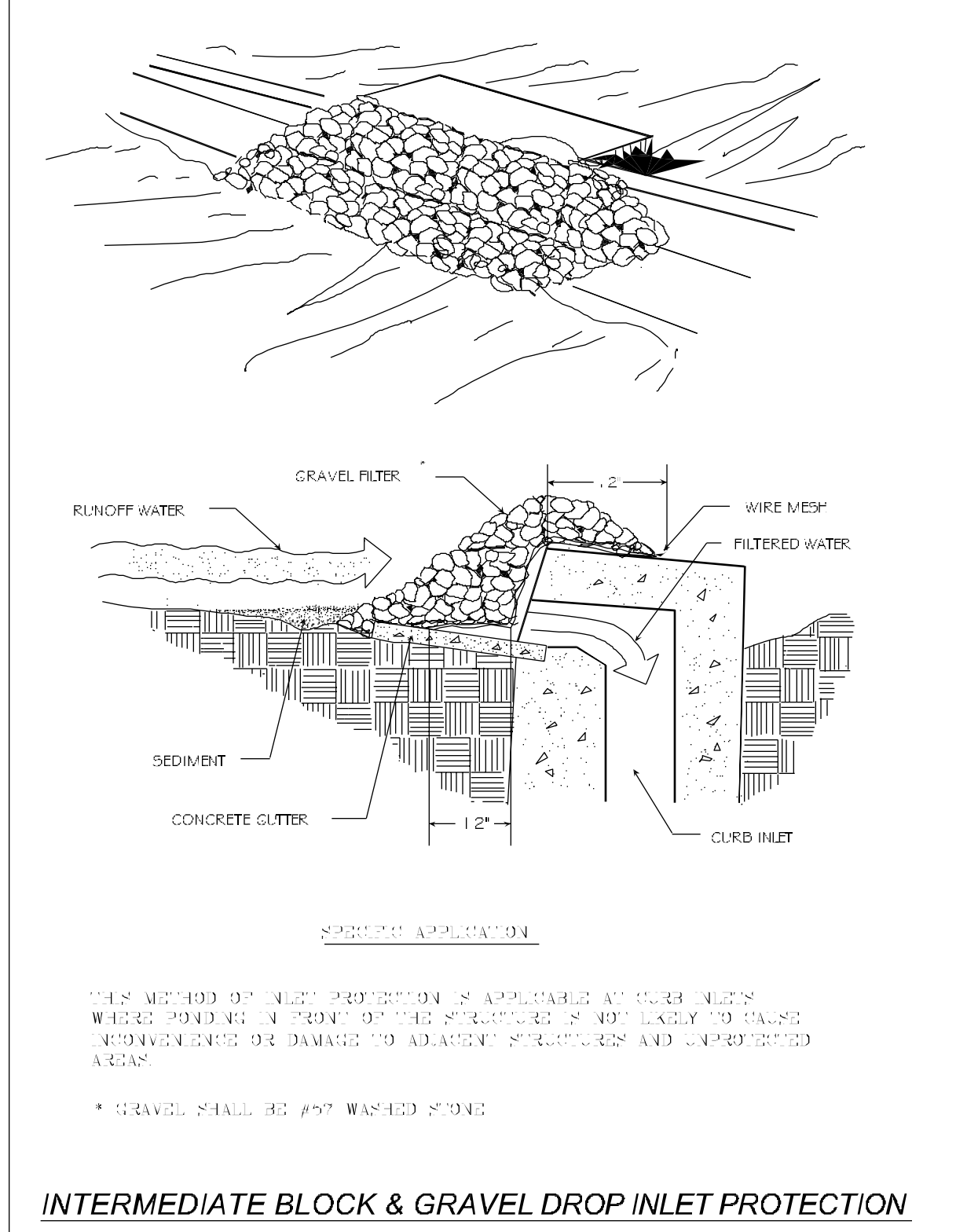
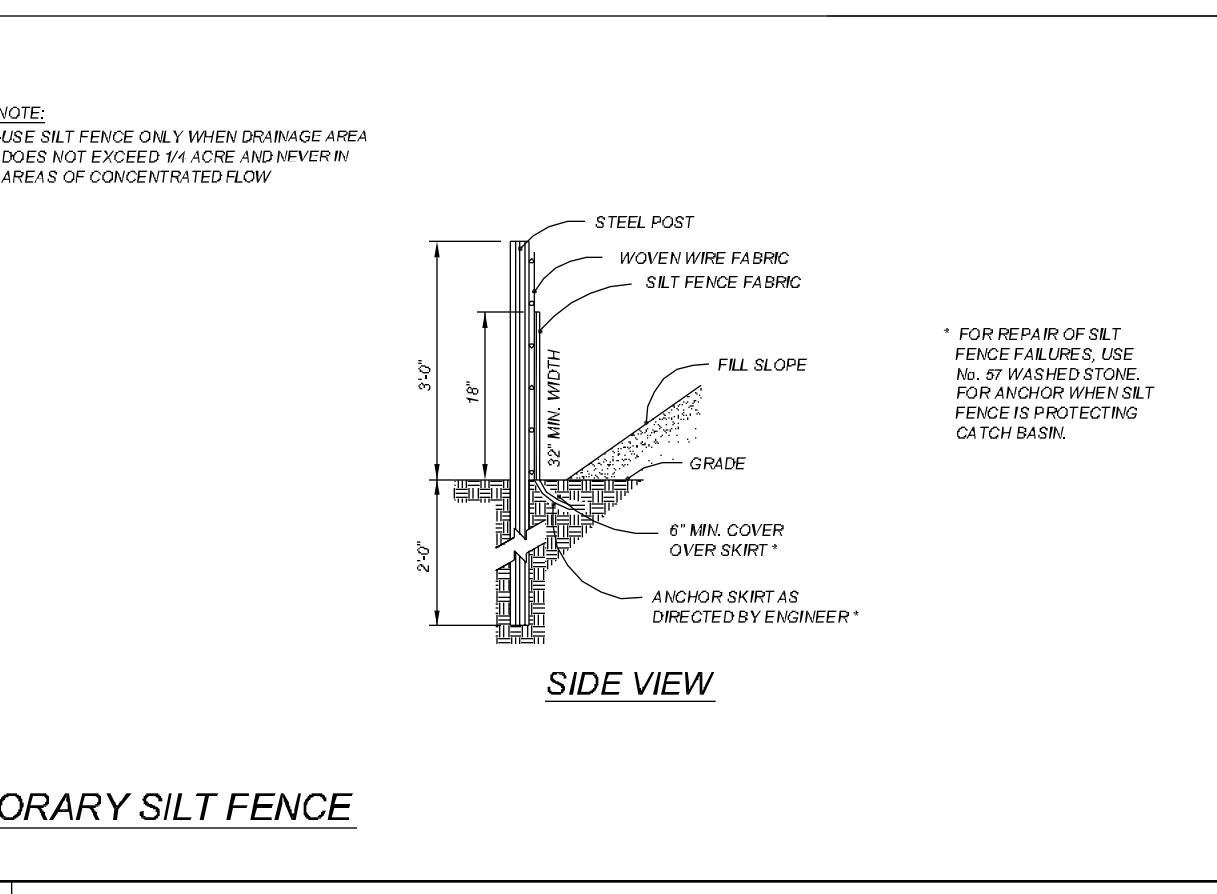
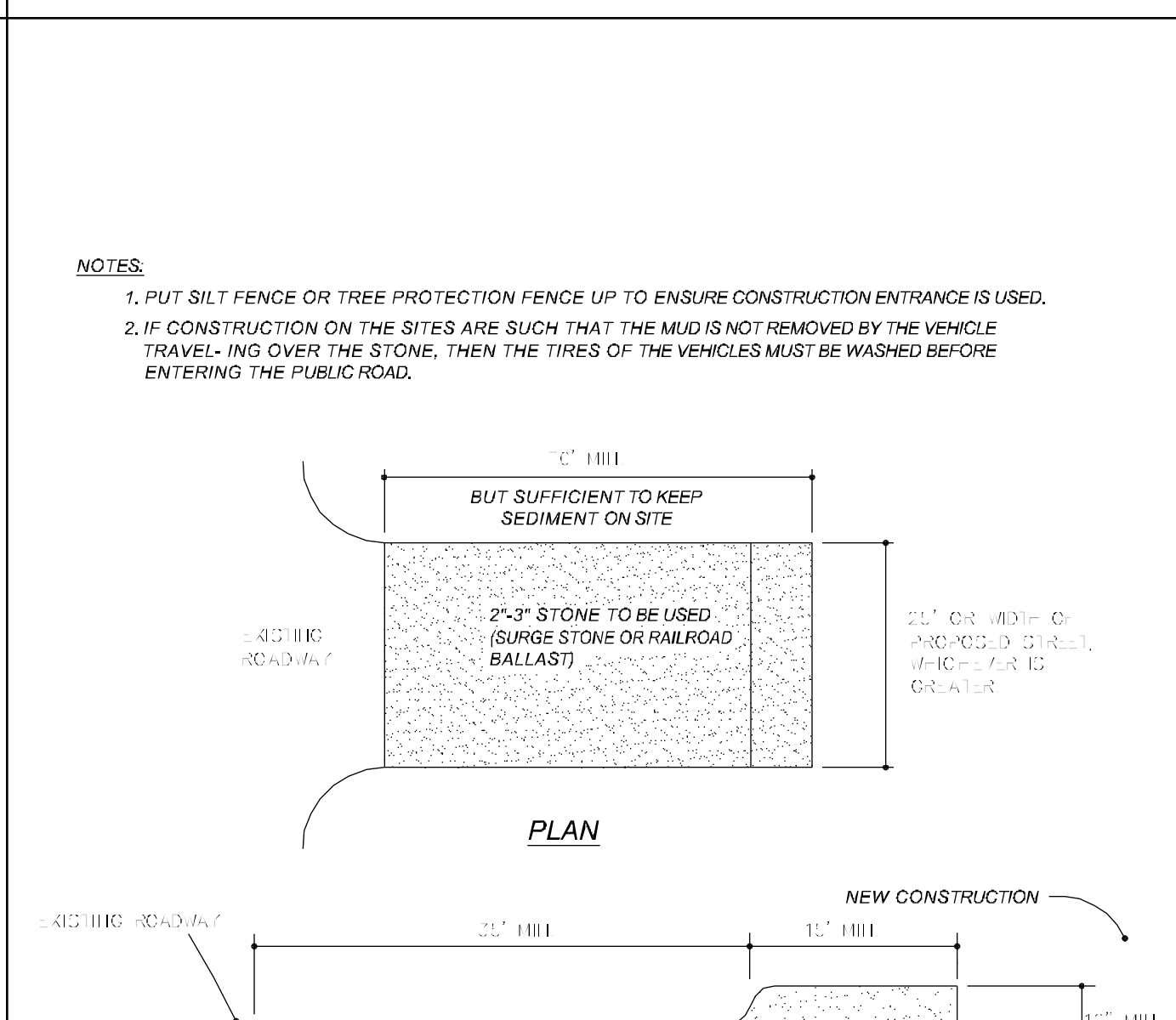
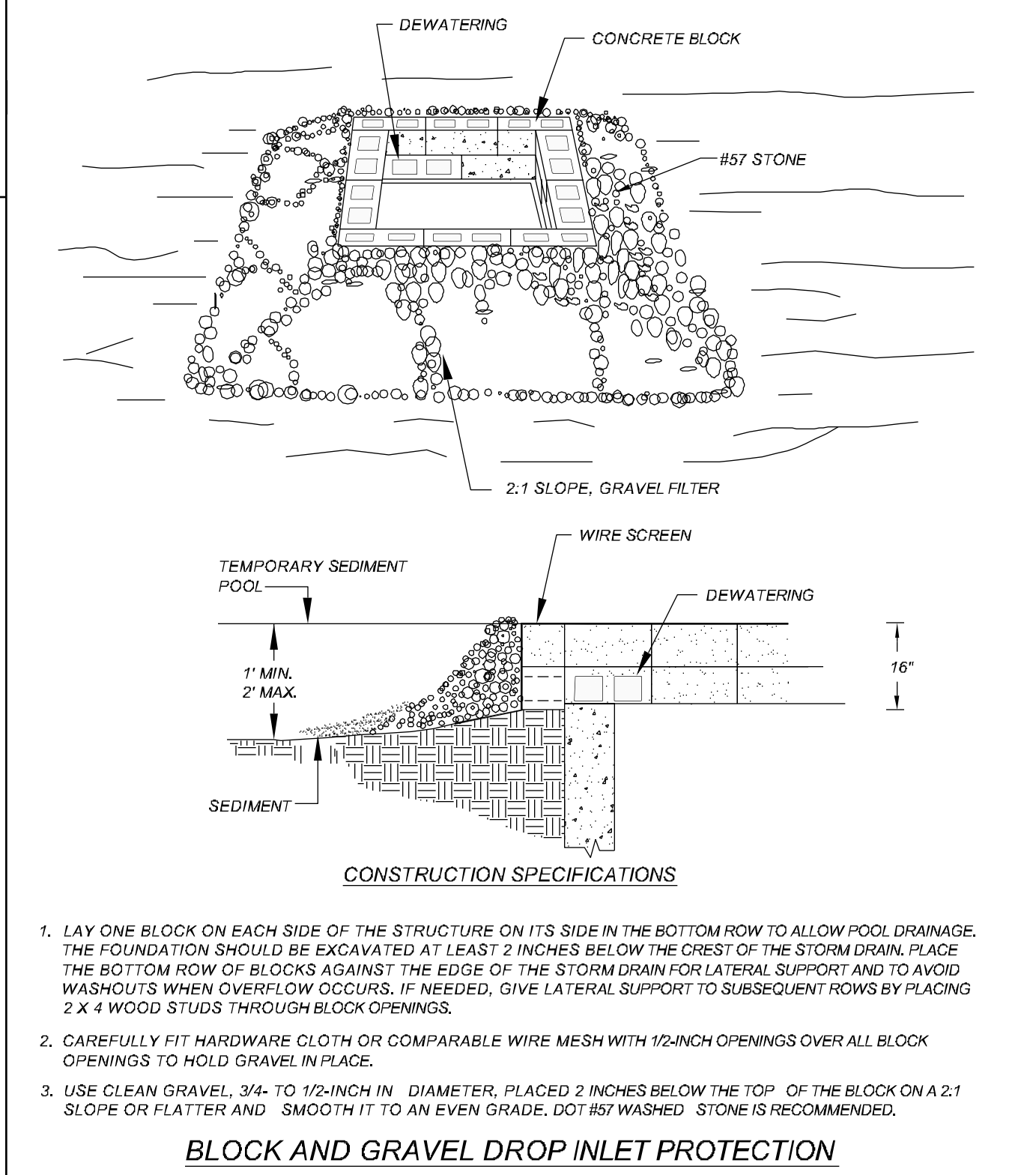
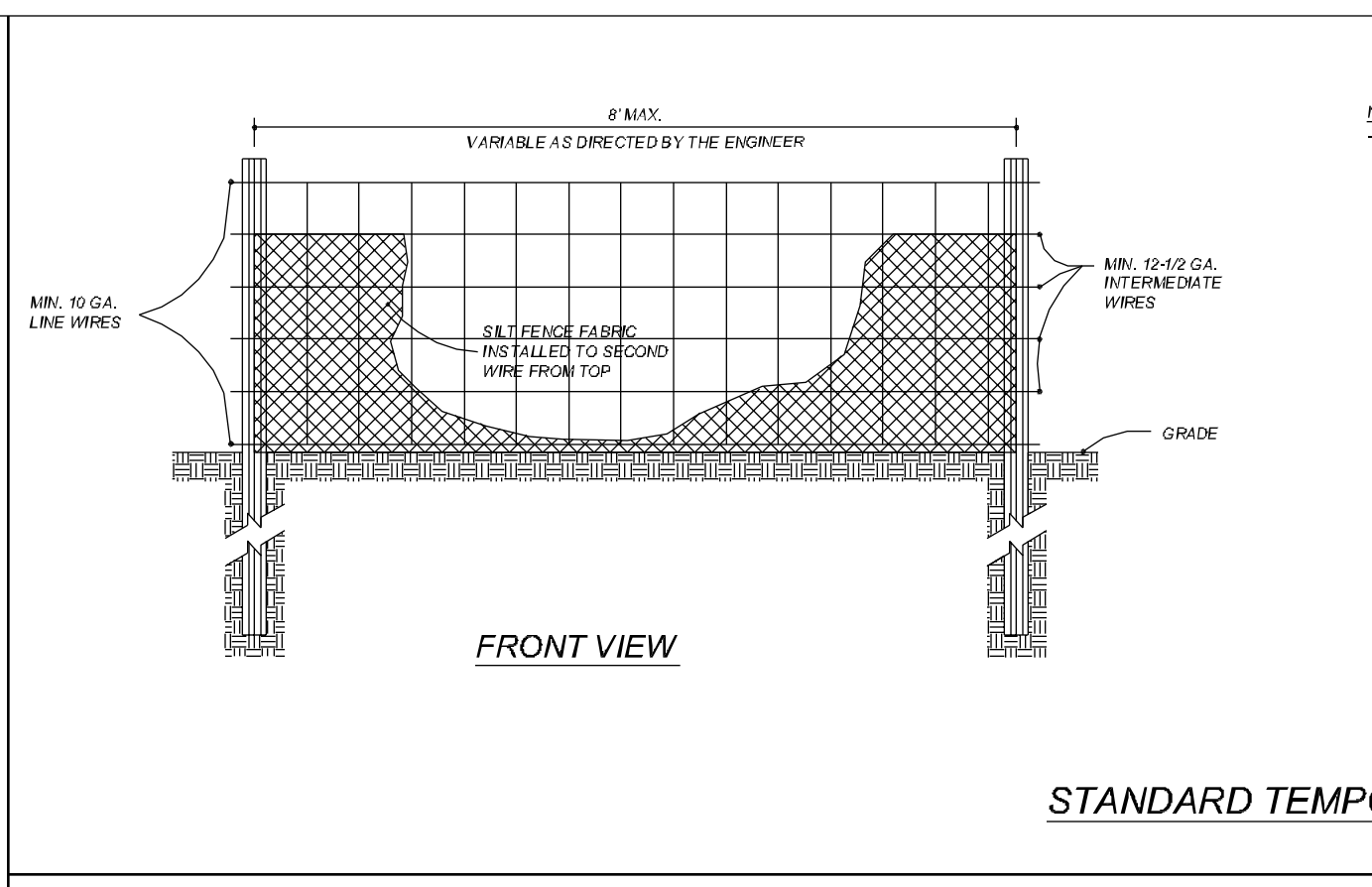
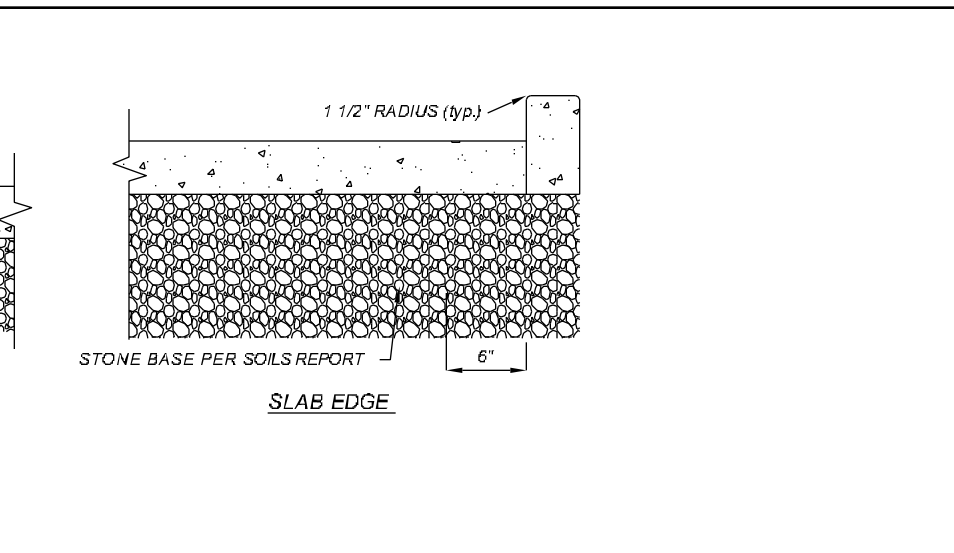
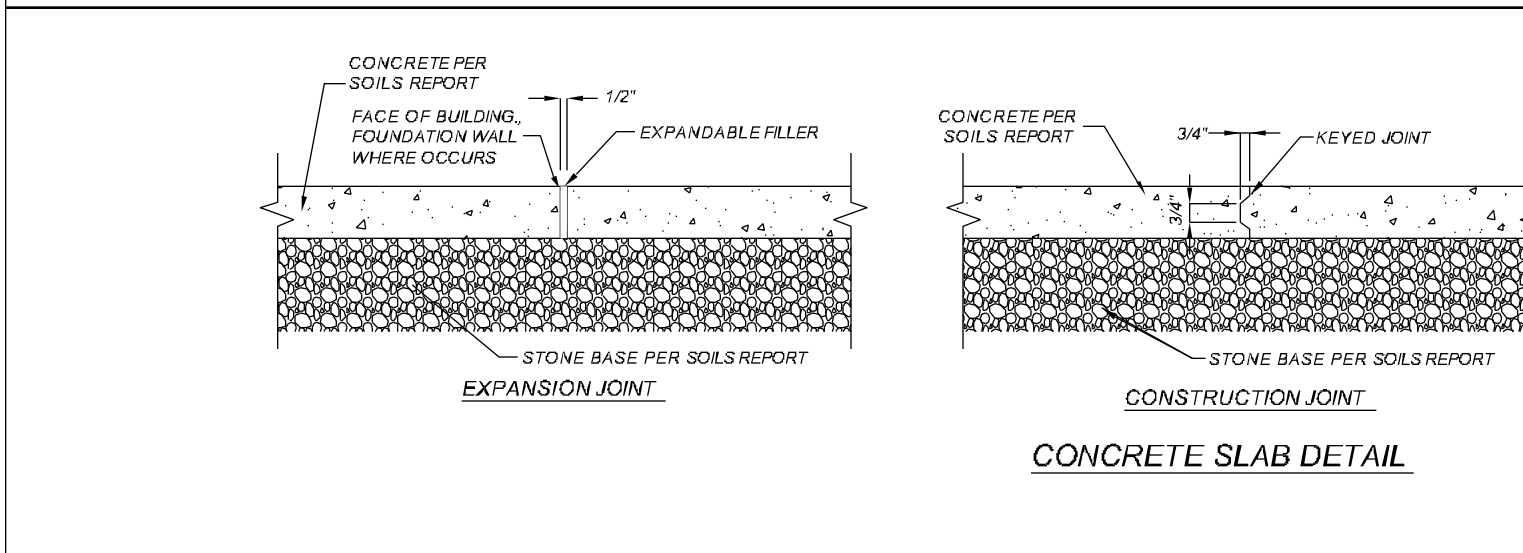
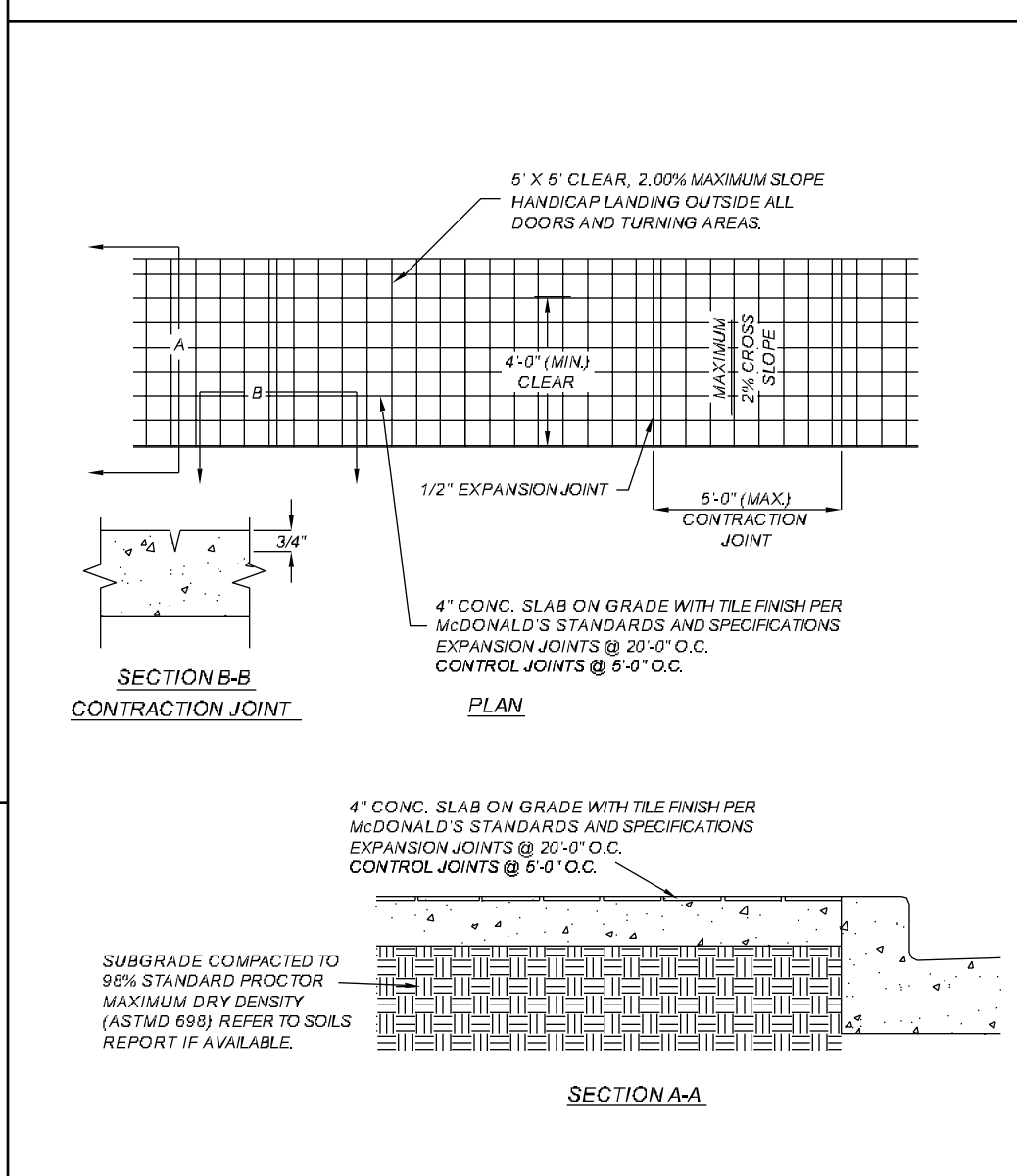
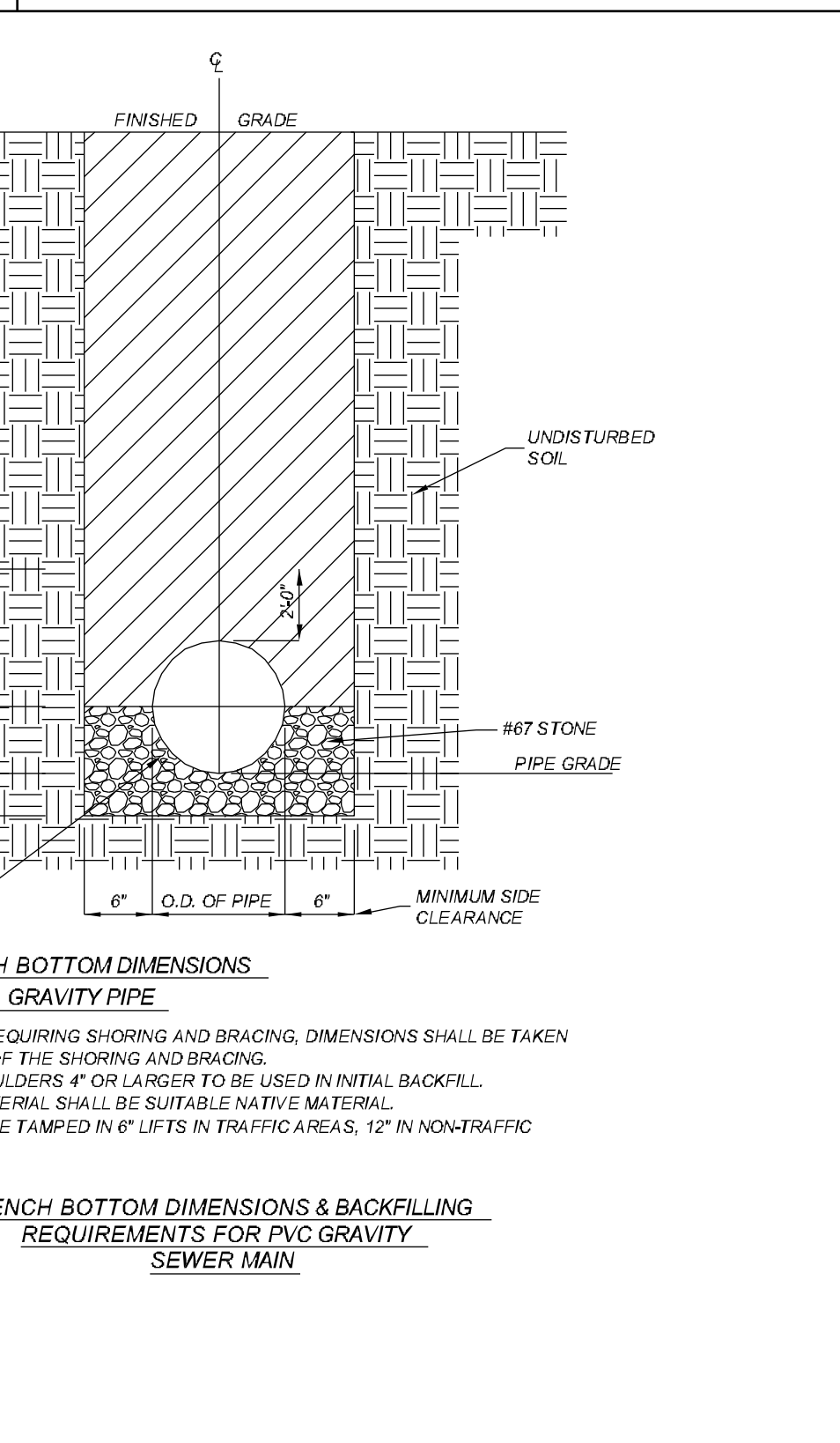
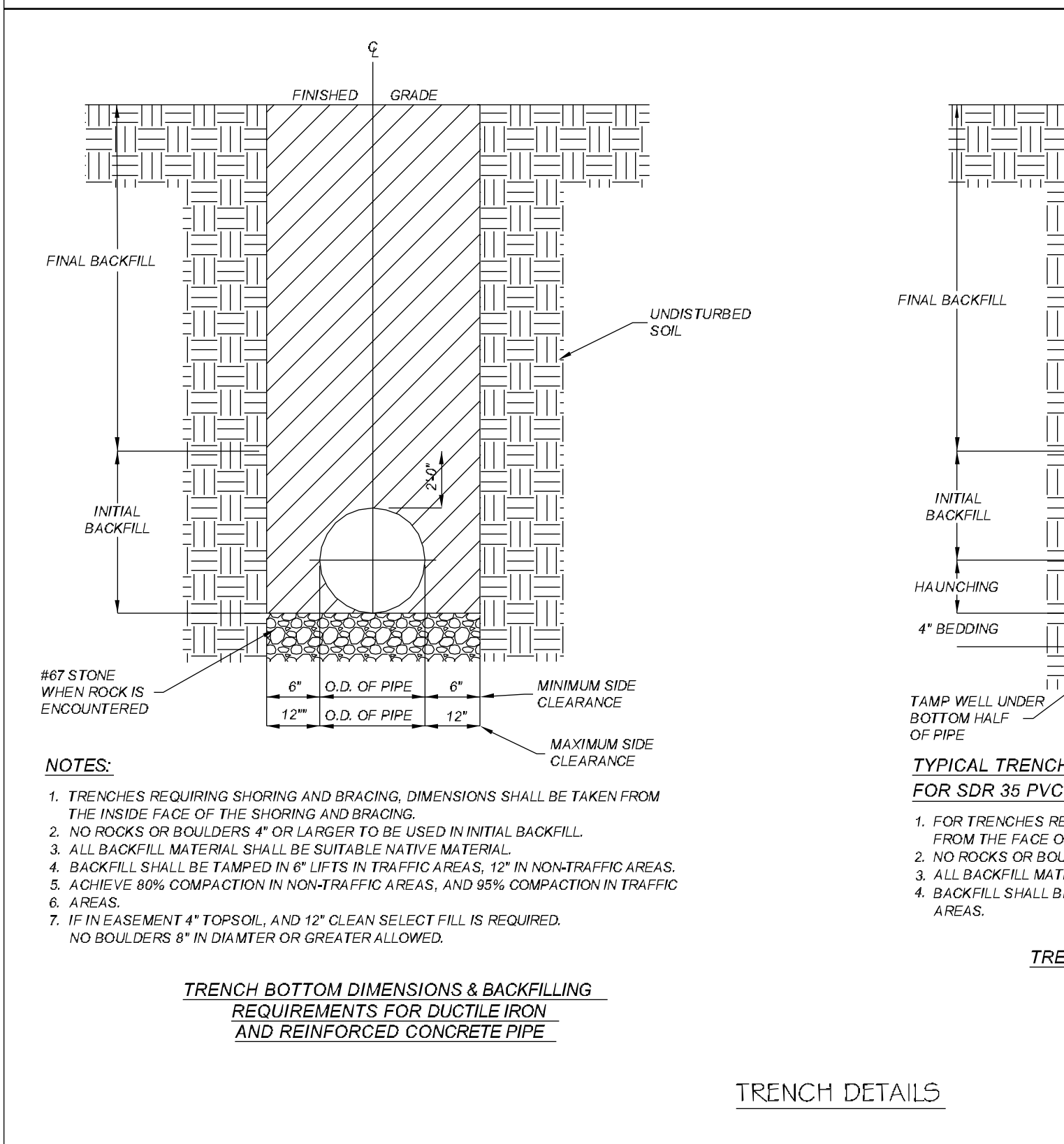
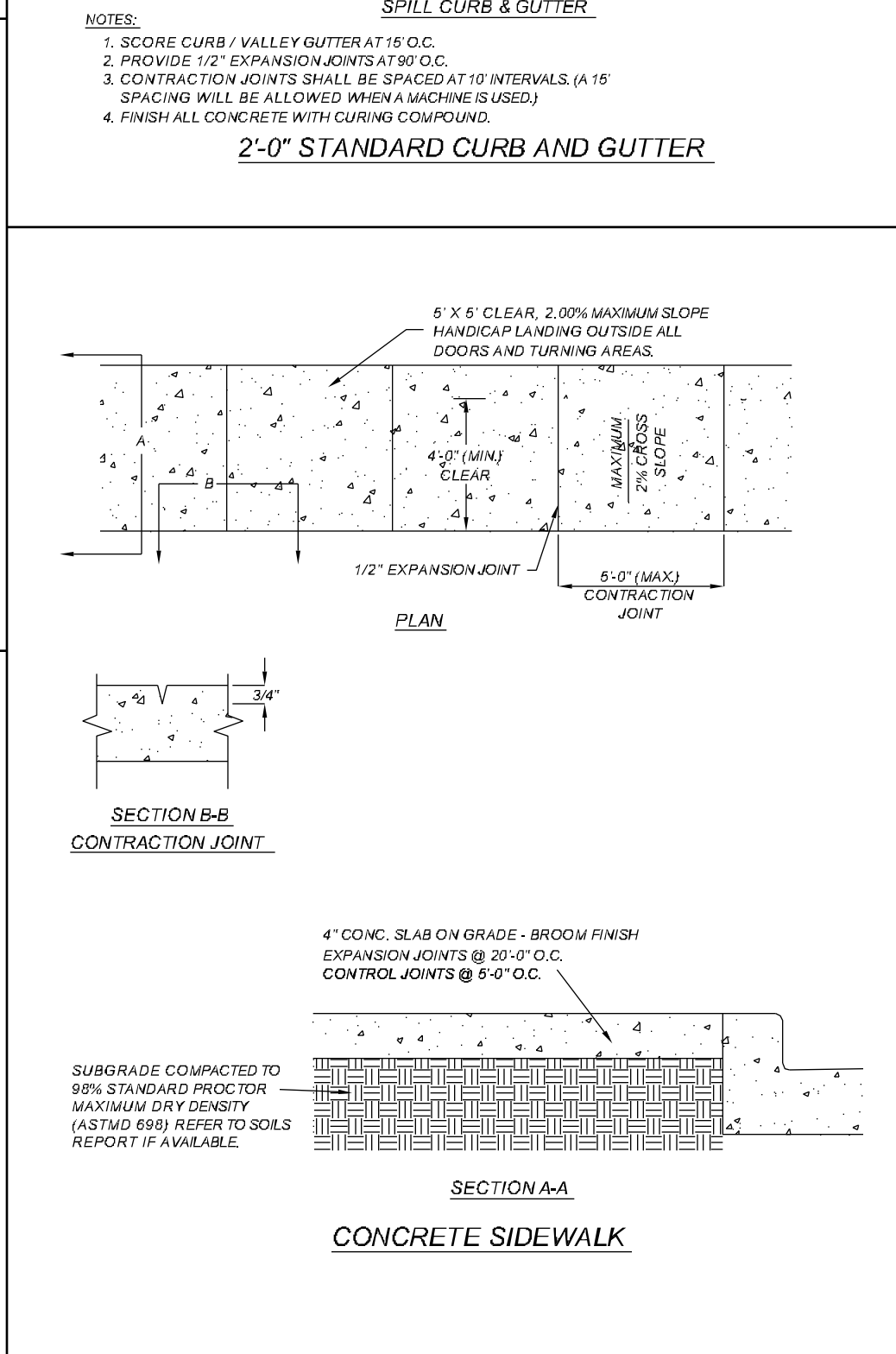
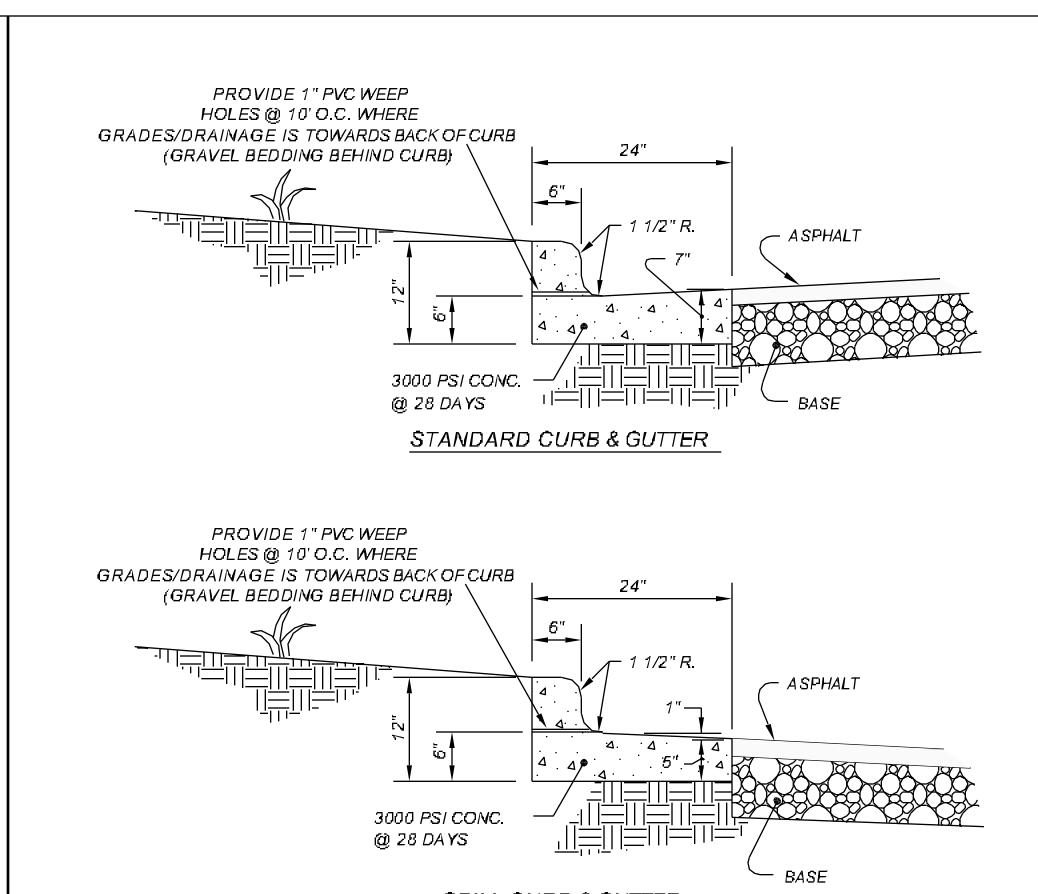
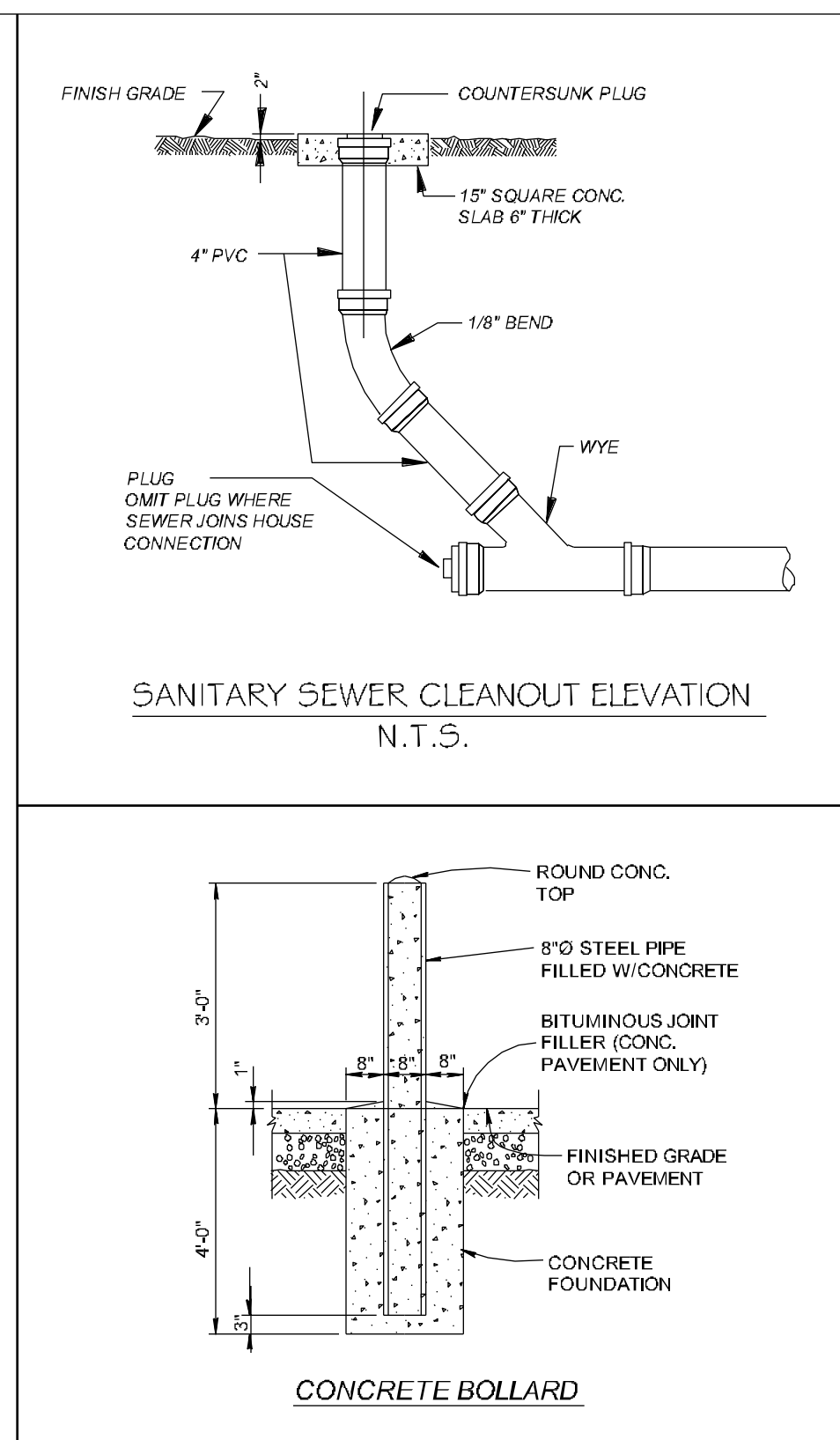
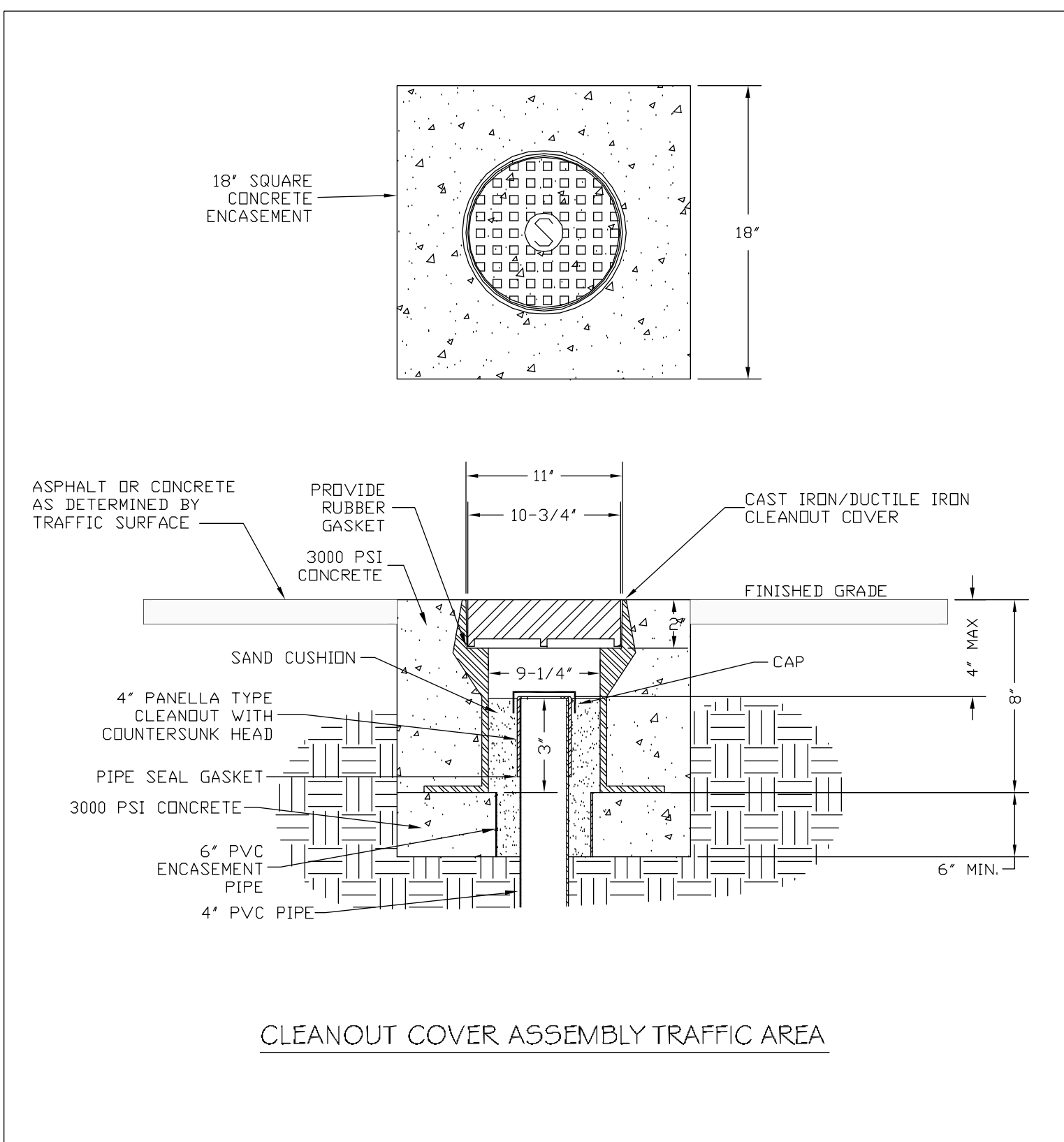
STATE OF NORTH CAROLINA
REGISTERED PROFESSIONAL ENGINEER
FREDERICK T. HERR
096250
January 4, 2016

McDonald's
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OFFICE: _____ ADDRESS: 4601 SIX FORKS ROAD - SUITE 200 - RALEIGH, N.C. 27609

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

C-6
DRIVE THRU PLAN & DETAILS



APPROVED CONSTRUCTION PLAN		NAME	DATE
PLANNING			
TRAFFIC			
FIRE			
Public Services Engineering Division			
APPROVED DRAINAGE PLAN			
Date	Permit #		
Signed			
		BY	ISSUE/REV
3	01-04-2017	REVISION 3 PER CITY COMMENTS	
2	12-29-2016	REVISION 2 PER CITY COMMENTS	
1	12-01-2016	REVISION PER CITY COMMENTS	
0	9-9-2016	FIRST ISSUE	
REV	DATE	DESCRIPTION	
326 TRYON ROAD RALEIGH, NC 27603 OFFICE: (919) 661-6351 www.tepgroup.net N.C. LICENSE # C-1794			
January 4, 2016			
		THESE PLANS AND SPECIFICATIONS ARE THE PROPERTY OF MEDDONALD'S CORPORATION AND SHALL NOT BE REPRODUCED WITHOUT THEIR WRITTEN PERMISSION.	
DATE	DATE	DATE	DATE
REGIONAL MGR.	REGIONAL MGR.	REGIONAL MGR.	REGIONAL MGR.
REGIONAL DIR.	REGIONAL DIR.	REGIONAL DIR.	REGIONAL DIR.
REGIONAL CONSTRUCTION MGR.	REGIONAL CONSTRUCTION MGR.	REGIONAL CONSTRUCTION MGR.	REGIONAL CONSTRUCTION MGR.
REGIONAL REAL ESTATE MGR.	REGIONAL REAL ESTATE MGR.	REGIONAL REAL ESTATE MGR.	REGIONAL REAL ESTATE MGR.
CO-SIGN SIGNATURE	CO-SIGN SIGNATURE	CO-SIGN SIGNATURE	CO-SIGN SIGNATURE
AREA CONSTRUCTION MGR.	AREA CONSTRUCTION MGR.	AREA CONSTRUCTION MGR.	AREA CONSTRUCTION MGR.
CONTRACTOR	CONTRACTOR	CONTRACTOR	CONTRACTOR
OFFICE	ADDRESS	REGION	STATE
	4601 SIX FORKS ROAD - SUITE 200 - RALEIGH, N.C. 27609		
PLAN APPROVAL	DATE	DATE	DATE
SIGNATURE (2 REQUIRED)			
STATUS	DATE	BY	
FINAL	-	-	
PLAN CHECKED	-	-	
AS-BUILT	-	-	

Order Here

FRONT ELEVATION
SCALE: 1/8" = 1'-0"

SIDE ELEVATION
SCALE: 1/8" = 1'-0"

ANCHOR BOLT PATTERN
SCALE: 1/8" = 1'-0"

ANCHOR BOLT DETAIL
SCALE: 1/2" = 1'-0"

GENERAL NOTES:

- REFER TO FINISH COMPLETION PHOTOS OF FOUNDATION WITH ANCHOR BOLTS, BEAM & CONDUIT (BEFORE & AFTER POUR), BASE PLATES, WANCHOR BOLT CONNECTIONS, GROUND INSTALLATION, MATCH PLATE/SLIP CONNECTIONS, ANY WELDED CONNECTIONS, ELECTRICAL WIRING AND GENERAL FINISHING.
- THIS SIGN IS INTENDED TO BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF ARTICLE 605 OF THE NATIONAL ELECTRICAL CODE AND/OR OTHER APPLICABLE LOCAL CODES. THIS INCLUDES PROPER GROUNDING AND BONDING OF THE SIGN.
- INSTALLER TO BE SURE SIGNS ARE PROPERLY INSTALLED, CONNECTED AND GROUNDING.
- LANDSCAPING MATERIALS SHOULD BE KEPT MINIMUM TWO INCHES AWAY FROM SIGN POLES OR BASE PLATES.
- THIS DRAWING IS FOR INSTALLATION PURPOSES ONLY AND NOT TO BE USED FOR MANUFACTURING.

CONCRETE SPECIFICATIONS:

- ALL CONCRETE SHALL HAVE A MIN. COMPRESSIVE STRENGTH OF 3000 PSI @ 28 DAYS.
- REINFORCED CONCRETE SHALL HAVE A MIN. YIELD STRENGTH OF 60,000 PSI. RECOMMENDED MIN. CURE TIME OF 7 DAYS BEFORE PROCEEDING WITH INSTALLATION.

FOUNDATION:

- CONCRETE FOUNDATION DESIGNED USING A NET ALLOWABLE SOIL BEARING PRESSURE OF 2000 PSF. IF THESE SOIL CONDITIONS DO NOT EXIST AT THE FOUNDATION LOCATION, IT IS THE SPECIFIER'S RESPONSIBILITY TO NOTIFY ENGINEER. SEE NOTES FOR PERFORMANCE AND/OR FOUNDATION LOCATION OR ANY CONCRETE PLACEMENT.
- PERMISSIBLE CONCRETE TO BE POURED MANUFACTURING (AS ONE PIECE) WITH SPREAD FOOTINGS.

INSTALLATION PROCEDURE:

- SPREAD FOUNDATION AREA AND COMPARE FINAL GRADE REQUIREMENTS WITH O.C.
- EXCAVATE FOUNDATION AREA.
- SET ANCHOR BOLTS IN PLACE AND CONDUIT STEEL (PRIMARY ELECTRICAL SERVICE TO BASE BY O.C.).
- POUR CONCRETE. ALLOW CONCRETE CURE TIME AS REQUIRED. RECOMMENDED MIN. CURE TIME OF 7 DAYS BEFORE PROCEEDING WITH INSTALLATION.
- ANCHOR BOLTS AS SHOWN IN DETAIL. CHECK FOR PLUMB.
- WEIGHT SIGNAGE TO BE INSTALLED TO PROVIDE TENSION BETWEEN SIGN AND BASE OF POLE.
- WIRE FINAL ELECTRICAL HOUSING (ALL ELECTRICAL TO MEET LOCAL CODES).
- TEST SIGNAGE FOR PROPER FUNCTION AND MOUNTING.
- REMOVE ANY LEFT OVER BRACKETS AND REBAR BOLTS.
- CLEAN UP AREA AND REMOVE ANY PACKING MATERIAL. DO NOT DISCARD ANY MATERIAL OR DEBRIS INTO ON SITE DRAINAGE.

GENERAL CONTRACTOR TO PROVIDE:

- ALL SIGNAGE
- ANCHOR BOLTS & NUTS
- CONCRETE
- FOUNDATION

GENERAL CONTRACTOR TO PROVIDE:

- PROVIDE WIRING FROM BELOW TO SIGN

NOTE:

TO HOLD 90° CLEARANCE TO GRADE, THE POLE HAS BEEN DESIGNED TO ACCOUNT FOR 6" OR 7" CURB. ANY VARIATION TO THE ACTUAL PLACEMENT OF THE CURB WILL REQUIRE SOME MODIFICATION TO THE FOOTING TO MAINTAIN THAT THE SET CLEARANCE IS MAINTAINED (IF REQUIRED) BY THE CONTRACTOR.

TRASH CORRAL FENCE AND GATE

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

GENERAL NOTES:

- POSTS PAINTED TO MATCH MCDONALDS
- EXISTING HINGE POST (TYP.)
- TREATED 2X6 (TYP.)
- STEEL ANGLE CROSS BRACING 2 1/2" X 2 1/2" (TYP.)
- STEEL ANGLE EXTERIOR FRAME 3" X 3" X 1/4" (TYP.)
- EXISTING BRICK PAINTED TO MATCH MCDONALDS EXTERIOR

INSTALLATION DRAWING

EVERBITE PROPERTY OF INVESTMENT, L.L.C. USE OF THIS DRAWING IN ANY MANNER WITHOUT THE WRITTEN PERMISSION OF EVERBITE, INC. IS PROHIBITED.

DATE: 06/24/15

SCALE: AS SHOWN

PROJECT: McDonald's SINGLE POLE CANOPY INSTALLATION W/OP-4

PROVIDER: EVERBITE

NO. 335571

NO. IN335571S

REV. C

GEN. NOTES

ALL NOTES SHALL BE SLOPED SUCH THAT MOISTURE CANNOT ACCUMULATE.

- ANCHOR BOLTS SHALL BE SLOPED SUCH THAT MOISTURE CANNOT ACCUMULATE.
- ANCHOR BOLTS SHALL BE SLOPED SUCH THAT MOISTURE CANNOT ACCUMULATE.
- ANCHOR BOLTS SHALL BE SLOPED SUCH THAT MOISTURE CANNOT ACCUMULATE.

ANCHOR BOLT PATTERN

CLEARANCE GATEWAY 150 MPH

CONNECTION DETAILS

GENERAL CONTRACTOR TO PROVIDE:

- ALL SIGNAGE
- ANCHOR BOLTS & NUTS
- CONCRETE
- FOUNDATION

GENERAL CONTRACTOR TO PROVIDE:

- PROVIDE WIRING FROM BELOW TO SIGN

NOTE:

TO HOLD 90° CLEARANCE TO GRADE, THE POLE HAS BEEN DESIGNED TO ACCOUNT FOR 6" OR 7" CURB. ANY VARIATION TO THE ACTUAL PLACEMENT OF THE CURB WILL REQUIRE SOME MODIFICATION TO THE FOOTING TO MAINTAIN THAT THE SET CLEARANCE IS MAINTAINED (IF REQUIRED) BY THE CONTRACTOR.

APPROVED CONSTRUCTION PLAN

NAME: _____ DATE: _____

PLANNING: _____

TRAFFIC: _____

PRE: _____

WALTON ENGINEERING

Public Services Engineering Division

APPROVED DRAINAGE PLAN

Date: _____ Permit #: _____

Signed: _____

REV	DATE	DESCRIPTION	BY	ISSUE/REV
3	01-04-2017	REVISION 3 PER CITY COMMENTS		
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0	9-14-2016	FIRST ISSUE		

TOWER ENGINEERING PROFESSIONALS
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RALEIGH, NC 27603
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www.tegroup.net
N.C. LICENSE # C-1794

ORTH CAROLINA PROFESSIONAL ENGINEERS ASSOCIATION

January 4, 2016

McDonald's

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OFFICE: RALEIGH REGION
ADDRESS: 4601 SIX FORKS ROAD - SUITE 200 - RALEIGH, N.C. 27609

PLAN APPROVAL	DATE
SIGNATURE (IF REQUIRED)	
REGIONAL MGR.	
REGIONAL DIR. / DIRECTOR	
REGIONAL CONSTRUCTION MGR.	
REGIONAL REAL ESTATE MGR.	
CO-SIGN SIGNATURES	
AREA CONSTRUCTION MGR.	
CONTRACTOR	

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

C-8
SITE FOUNDATIONS

STANDARD DETAIL

SIDEWALK

DATE: OCTOBER, 2010
 DRAWN: PBJSR
 CHECKED: DEC
 SCALE: NOT TO SCALE

CITY OF WILMINGTON
 NORTH CAROLINA
 CITY OF WILMINGTON ENGINEERING
 PO BOX 1810
 WILMINGTON, NC 28402
 (910) 341-7807

SD 3-10

NOTES:

- JOINT MATERIAL TO COMPLY WITH CURRENT NCDOT STANDARDS.
- SANITARY SEWER CLEAN-OUTS, WATER METERS, MANHOLES, AND VALVE LIDS TO BE LOCATED OUTSIDE SIDEWALK WHERE FEASIBLE.
- MINIMUM SIDEWALK WIDTH TO BE 6' MINIMUM IF PLACED AT BACK OF CURB.
- CONCRETE FOR ALL SIDEWALKS (EXCEPT ANY PORTION CONTAIN WITHIN A DRIVEWAY PARKING) SHALL BE CLASS "A" - 3,000 PSI.
- MINIMUM REPLACEMENT FOR REPAIRS IS A 5' X 5' PANEL.
- 4" STONE BASE MAY BE REQUIRED FOR POOR SOIL CONDITIONS
- MINIMUM DEPTH FOR TUNNELING BELOW SIDEWALK IS 12"
- MAX ADJACENT GROUND SLOPE WITHOUT RAISING IS 2:1
- MIN GRADE FOR PROPER DRAINAGE IS 1% IN AT LEAST 1 DIRECTION. MAX CROSS SLOPE IS 2%. MAX LONGITUDINAL SLOPE IS 8.3%, 10% IF LIMITED BY EXISTING CONDITIONS, OR NO GREATER THAN THE SLOPE OF THE EXISTING ADJACENT ROAD.

STANDARD DETAIL

CURBING

DATE: AUGUST, 2011
 DRAWN: PBJSR
 CHECKED: DEC
 SCALE: NOT TO SCALE

CITY OF WILMINGTON
 NORTH CAROLINA
 CITY OF WILMINGTON ENGINEERING
 PO BOX 1810
 WILMINGTON, NC 28402
 (910) 341-7807

SD 3-11

NOTES:

- EXPANSION JOINT MATERIAL TO COMPLY WITH CURRENT NCDOT STANDARDS
- 50' MAX EXPANSION JOINT SPACING, 10' MAX CONTRACTION JOINT SPACING
- MINIMUM INSTALLATION LENGTH IS 5 FT.
- CONCRETE TO BE 3000 PSI MIN
- VERTICAL CURB AND GUTTER BASE CAN BE SLOPED 3/4" OR USE A FLAT BASE

STANDARD DETAIL

GUIDELINES FOR SEDIMENT CONTROL BMPs

DATE: SEPTEMBER, 2012
 DRAWN BY: JSR
 CHECKED BY: BDR, P.E.
 SCALE: NOT TO SCALE

CITY OF WILMINGTON
 NORTH CAROLINA
 CITY OF WILMINGTON ENGINEERING
 PO BOX 1810
 WILMINGTON, NC 28402
 (910) 341-7807

SHEET 1 OF 2

SD 3-104

LAND DISTURBING ACTIVITIES MUST BE MANAGED TO AVOID SEDIMENT RUN-OFF AND POLLUTION FROM CONSTRUCTION SITES. WHERE PERMITTED LOCALLY BY NEB HANCOCK COUNTY, AN EROSION AND SEDIMENT CONTROL (E&S) PLAN WILL CONTAIN DETAILS AND QUANTITIES. E&S PLANS ARE PERFORMANCE BASED AND OFTEN REQUIRE ADJUSTMENTS OR REPAIRS.

AS PERMITTED BY NCDOT, DIVISIONS OF WATER QUALITY AND LAND RESOURCES, A STORMWATER PERMIT WILL REQUIRE SELF-MONITORING REPORTS (WEEKLY, >1" RAIN EVENT) OR SELF-INSPECTION REPORTS AFTER EACH CONSTRUCTION PHASE, BASED ON ELEMENTS OF THE E&S PLAN.

- Variances on stall widths, angle and other dimensions will be allowed only upon approval of the Traffic Engineer.
- Wheel stops shall be required three (3) feet from the end of parking stall when using eighteen (18) feet deep stalls.
- Curbing, crossties, utility poles, etc., can be used as wheel stops. (Must be anchored down)
- All medians shall be a minimum of six (6) feet wide.
- Parking bays which terminate at a circulation way shall provide for a minimum turning radius of twenty-five (25) feet, as measured from the edge of the travel portion.
- All parking stall markings and lane arrows shall be white.
- All other pavement markings, signs or other traffic control devices shall conform to the latest edition and/or interpretation of the Manual on Uniform Traffic Control Devices (MUTCD).
- No obstructions will be allowed adjacent to a parking stall which would prevent safe ingress and egress from a parked vehicle.
- Parking in fire lanes and in non-residential driveways shall be prevented by standard signs and as needed by portable barricades.

STANDARD DETAIL

PARKING FACILITY DESIGN NOTES

DATE: 2001
 DRAWN BY: JSR, CMR
 CHECKED BY: B.P., P.E.
 SCALE: NOT TO SCALE

CITY OF WILMINGTON
 NORTH CAROLINA
 CITY OF WILMINGTON ENGINEERING
 PO BOX 1810
 WILMINGTON, NC 28402
 (910) 341-7807

SD 15-13

- No plantings over thirty (30) inches in height allowed in vision clearance.
- Protection from vehicular traffic provided around all landscaping with a minimum height of six (6) inches.
- Owner is responsible for maintenance to ensure plant material lives and prospers.
- Planting plans shall be approved by Landscape Designer prior to installation.
- Landscaping shall be required at the ends of all parking rows.
- A low buffer shall be required where parking is within fifty (50) feet of the Right-of-Way.
- Landscaped islands shall be a minimum width of twelve (12) feet (back of curb to back of curb) and a minimum of two hundred and sixteen (216) square feet.
- A minimum of fifteen (15) trees 2 inches or greater in diameter as measured 6 inches above ground per disturbed acre.
- For recommended Plant List see "Landscape" T-10.4.

STANDARD DETAIL

LANDSCAPE NOTES

DATE: APRIL, 2008
 DRAWN BY: JSR
 CHECKED BY: B.P., P.E.
 SCALE: NOT TO SCALE

CITY OF WILMINGTON
 NORTH CAROLINA
 CITY OF WILMINGTON ENGINEERING
 PO BOX 1810
 WILMINGTON, NC 28402
 (910) 341-7807

SD 15-14

STANDARD DETAIL

TREE PROTECTION DURING CONSTRUCTION

DATE: JAN, 2015
 DRAWN BY: JSR
 CHECKED BY: RDG, P.E.
 SCALE: NOT TO SCALE

CITY OF WILMINGTON
 NORTH CAROLINA
 CITY OF WILMINGTON ENGINEERING
 PO BOX 1810
 WILMINGTON, NC 28402
 (910) 341-7807

SHEET 2 OF 2

SD 15-09

NOTES:

- THE TREE PROTECTION FENCING SHALL NOT BE VIOLATED FOR THE ENTIRE DURATION OF THE PROJECT WITHOUT APPROVAL FROM URBAN FORESTRY STAFF.
- WARNING SIGNS TO BE MADE OF DURABLE, WEATHERPROOF MATERIAL. LETTERS TO BE 3" HIGH, MINIMUM, CLEARLY LEGIBLE AND SPACED AS DETAILED.
- SIGNS SHALL BE PLACED AT 50' MAXIMUM INTERVALS. PLACE A SIGN AT EACH END OF LINEAR TREE PROTECTION AND 50' ON CENTER THEREAFTER. FOR TREE PROTECTION AREAS LESS THAN 100' IN PERIMETER, PROVIDE NO LESS THAN TWO SIGNS PER PROTECTION AREA.
- ATTACH SIGNS SECURELY TO FENCE POSTS AND FABRIC. MAINTAIN TREE PROTECTION FENCE AND SIGNS THROUGHOUT DURATION OF PROJECT.
- TREE PROTECTION FENCING AND SIGNAGE SHALL BE REMOVED AFTER CONSTRUCTION.
- ADDITIONAL SIGNS MAY BE REQUIRED BY CITY OF WILMINGTON, BASED ON ACTUAL FIELD CONDITIONS.

STANDARD DETAIL

TREE PROTECTION DURING CONSTRUCTION

DATE: JAN, 2015
 DRAWN BY: JSR
 CHECKED BY: RDG, P.E.
 SCALE: NOT TO SCALE

CITY OF WILMINGTON
 NORTH CAROLINA
 CITY OF WILMINGTON ENGINEERING
 PO BOX 1810
 WILMINGTON, NC 28402
 (910) 341-7807

SHEET 1 OF 2

SD 15-09

NOTE: THE CRITICAL ROOT ZONE (CRZ) OF A TREE IS WHERE THE MAJORITY OF A TREE'S ROOTS LAY. 85% OF MOST TREE ROOTS ARE FOUND IN THE TOP 24" OF THE SOIL AND SUPPLY THE MAJORITY OF NUTRIENTS AND WATER. GENERALLY, ROOTS SPREAD OUT 2-3X THE HEIGHT OF THE TREE.

NOTE: CROWN OF THE TREE IS NEEDED FOR LEAF GROWTH TO PRODUCE OXYGEN, FILTER THE AIR, REDUCE WIND AND SOFTEN NOISE. DO NOT DISFIGURE CROWN WITH INTENSIVE PRUNING.

NOTES:

- PROTECT CRITICAL ROOT ZONE (CRZ) OF TREES PRIOR TO CONSTRUCTION. CLEARLY MARK THE TREES AND ERECT A PROTECTIVE BARRIER AT THE CRZ. BARRIER SHALL BE MAINTAINED UNTIL CONSTRUCTION IS COMPLETE.
- CRZ RADIUS IS 1 FT PER INCH OF TREE DIAMETER AT BREAST HEIGHT (DBH).
- IF CONSTRUCTION OCCURS WITHIN THE CRZ, AT LEAST 12" OF MULCH AND/OR LOGGING MATS SHALL BE PLACED WHERE MACHINERY MANEUVERS TO REDUCE SOIL COMPACTION IN THIS ZONE.
- WHERE SIDEWALKS AND PATHWAYS PASS WITHIN CRZ, EXTRA CARE SHALL BE TAKEN TO AVOID DAMAGE TO THE ROOTS. ALTERNATE CONSTRUCTION METHODS, SUCH AS A REINFORCED SIDEWALK, SHALL BE IMPLEMENTED AS NECESSARY.
- FOR ALL TREES, CUTTING OF LARGE STRUCTURAL ROOTS LOCATED NEAR THE BASE OF THE TRUNK IS PROHIBITED. DO NOT COMPACT SOIL BENEATH TREES. NO VEHICLE SHALL BE ALLOWED TO PARK UNDER TREES. NO MATERIALS OR EQUIPMENT SHALL BE STORED BENEATH TREES. DAMAGING THE BARK WITH LAWNMOWERS, CONSTRUCTION EQUIPMENT, OR ANYTHING ELSE IS PROHIBITED. CONTRACTOR SHALL REPAIR DAMAGE TO TREES.
- FAILING TO INSTALL OR MAINTAIN PROTECTION MEASURES SHALL RESULT IN A STOP WORK ORDER AND FINE OF \$500/DAY. DISTURBANCE OTHER THAN THAT ALLOWED ON THE APPROVED PLAN WILL REQUIRE OWNER TO POST A LETTER OF CREDIT FOR 3 YRS FOR TREE MITIGATION.

APPROVED CONSTRUCTION PLAN

PLANNING: _____ DATE: _____

TRAFFIC: _____

FIRE: _____

WILMINGTON
 NORTH CAROLINA
 Public Services Engineering Division
 APPROVED DRAINAGE PLAN

Date: _____ Permit #: _____

Signed: _____

REV	DATE	DESCRIPTION	BY	ISSUE/REF
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0	9-24-2016	FIRST ISSUE		

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 RALEIGH, NC 27603
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 www.tegroup.net
 N.C. LICENSE # C-1794

SEAL
 NORTH CAROLINA PROFESSIONAL ENGINEER
 TRICK T. TRICK

January 4, 2016

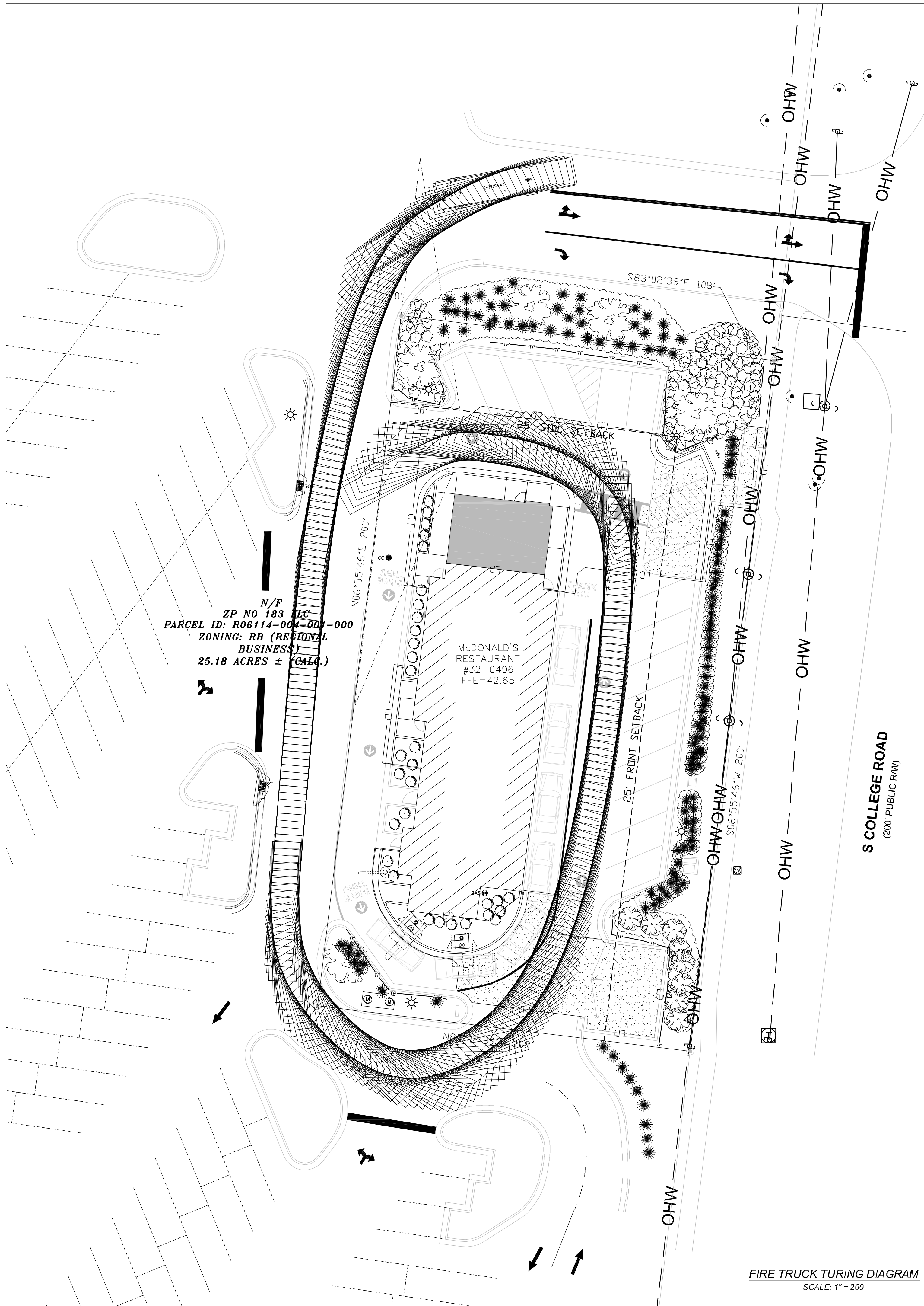
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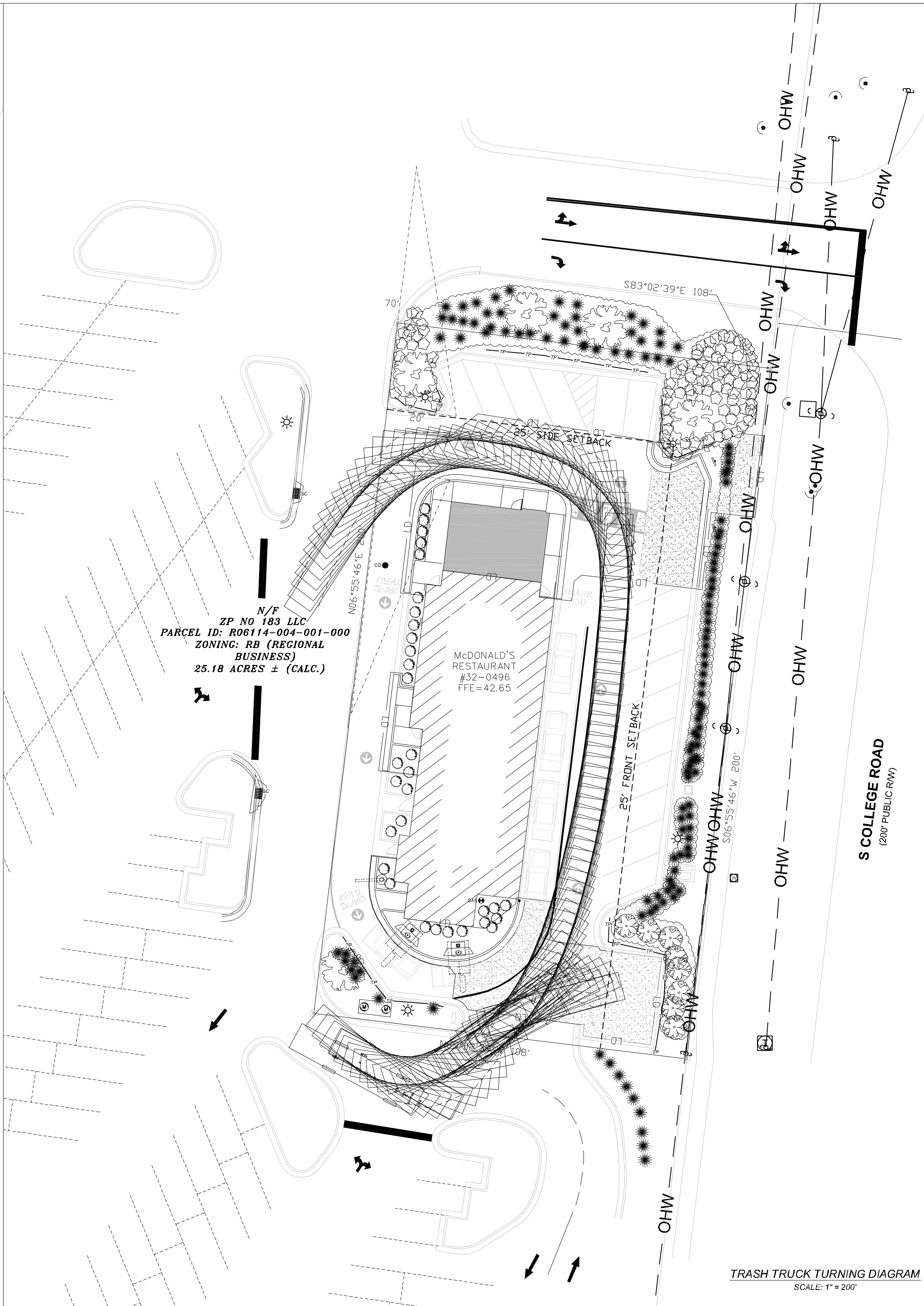
OFFICE: _____ ADDRESS: 4601 SIX FORKS ROAD - SUITE 200 - RALEIGH, N.C. 27609

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

C-9
 CITY STANDARDS



FIRE TRUCK TURNING DIAGRAM
SCALE: 1" = 200'



TRASH TRUCK TURNING DIAGRAM
SCALE: 1" = 200'

APPROVED CONSTRUCTION PLAN				
NAME	DATE			
PLANNING				
TRAFFIC				
FIRE				
Public Services/Engineering Division				
APPROVED DRAINAGE PLAN				
Date	Permit #			
Signed				
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OFFICE	REGION	ADDRESS		
4601 SIX FORKS ROAD - SUITE 200	RALEIGH REGION	4601 SIX FORKS ROAD - SUITE 200 - RALEIGH, N.C. 27609		
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-10				
TRUCK TURN DIAGRAM SHEET				

LANDSCAPING CALCULATIONS (FOR EXPANSIONS OF 10%-25% IN GFA)

TREE CREDITS	DBH TO CREDIT CONVERSION	PRESERVED TREES	CALCULATED CREDITS
	2-5 IN. DBH = 1 CREDIT 6-11 IN. DBH = 2 CREDITS 12-17 IN. DBH = 3 CREDITS 18-23 IN. DBH = 4 CREDITS	(1) T-3 AT 2" MIN. DBH (1) 12" T-1 & (2) 12" T-2s (1) 18" T-1	1 CREDIT + 9 CREDITS + 4 CREDITS = 14 TOTAL CREDITS ALLOWED
TREES	REQUIREMENT	REQUIRED	PROVIDED
	15 PER DISTURBED ACRE	0.14 DISTURBED ACRES X 15 = 2 TREES REQUIRED	4 TREES PROVIDED 0 ADDITIONAL
STREET YARD	REQUIREMENT	REQUIRED	PROVIDED
	1/2 OF THE REQUIRED FOR NEW CONSTRUCTION NEW CONSTRUCTION: 1 CANOPY TREE (OR 3 UNDERSTORY TREES) AND 6 SHRUBS PER 600 SF OF STREETYARD	200 LF X 25 (MULTIPLIER) X 1/2 = 2500 SF 4 CANOPY TREES REQUIRED 25 SHRUBS REQUIRED	4 TREE CREDITS FROM 18" T-1 EXISTING EVERGREEN SCREENING TO REMAIN
INTERIOR LANDSCAPING	REQUIREMENT	REQUIRED	PROVIDED
	4 PERCENT OF VEHICULAR USE AREA	10,741 SF OF VUA 10,741 X 0.04 = 429.6 SF 430 SF REQUIRED	446 SF PROVIDED
FOUNDATION PLANTING	REQUIREMENT	REQUIRED LANDSCAPING	PROVIDED
	12% OF BUILDING FACE AREA DRIVE THRU SIDE OF BUILDING EXCEPT PER SECTION 18-490(b)(1)	FRONT: 18' X 28.5' X 0.12 = 62 SF NONDT SIDE: 18' X 120.5' X 0.12 = 260 SF REAR: 18' X 36' X 0.12 = 78 SF TOTAL AREA REQUIRED = 400 SF	667 SF PROVIDED

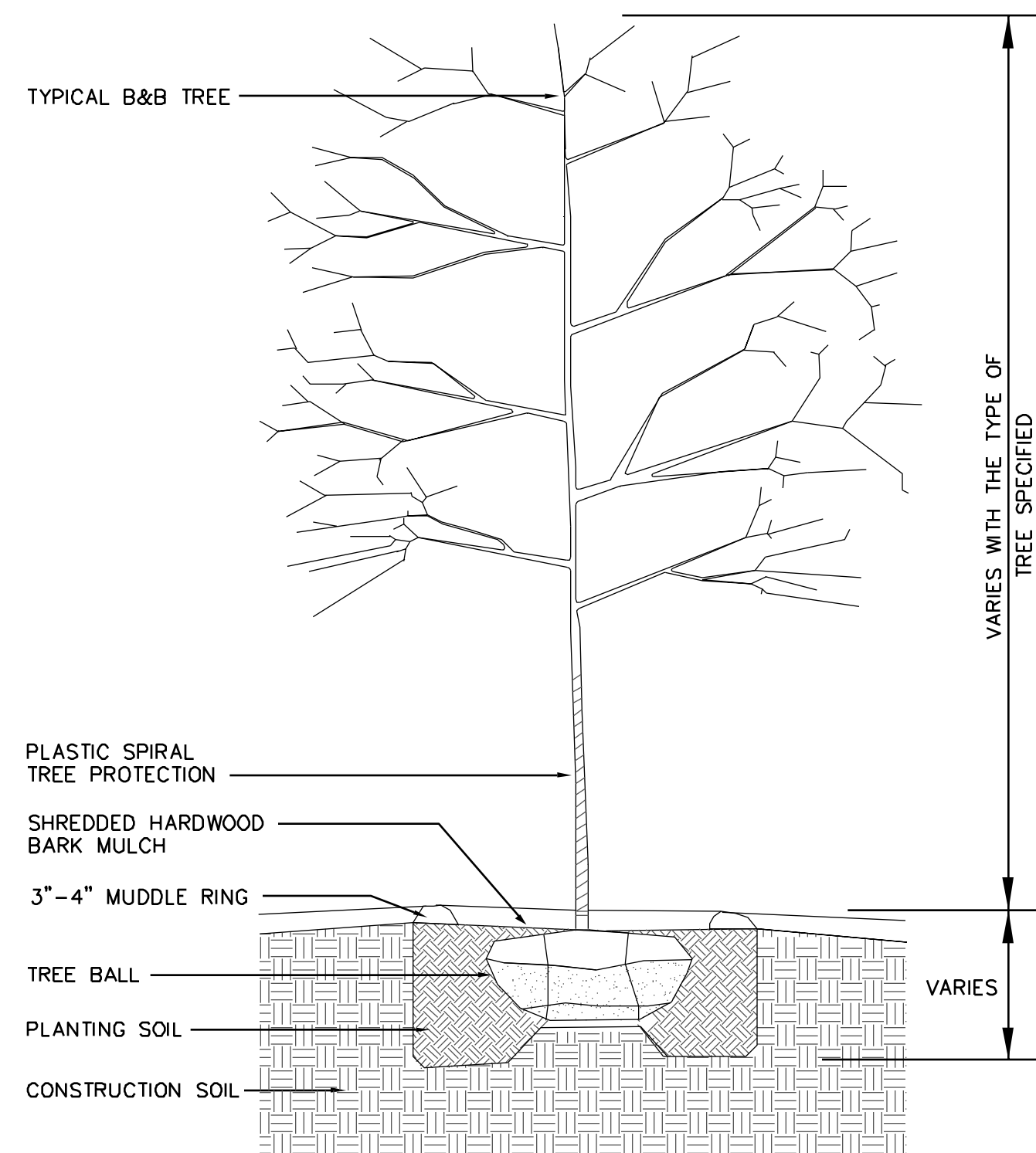
PLANTING SCHEDULE

	DESIGN.		COMMON NAME	BOTANICAL NAME	REMARKS
*EXISTING PLANTING		-	(VARIES)	(VARIES)	EXISTING GROUND COVER TO REMAIN
		-	(VARIES)	(VARIES)	EXISTING SHRUBS TO REMAIN
		-	(VARIES)	(VARIES)	EXISTING SHRUBS TO REMAIN
*EXISTING CANOPY TREES	T-1	2	WILLOW OAK	-	EXISTING TREE TO REMAIN (> 4" DBH)
	T-2	2	PEAR	-	EXISTING TREE TO REMAIN (> 4" DBH)
	T-3	1	MAPLE	-	EXISTING TREE TO REMAIN (> 4" DBH)
SHRUBS	S1	32	DWARF YAUPON HOLLY	ILEX VOMITORIA 'NAN'	MINIMUM HEIGHT OF 1-1/2" FT AT PLANTING

*EXISTING VEGETATION BASED OFF AVAILABLE DATA. CONTRACTOR TO VERIFY IN THE FIELD.

NOTE:
NONE OF THE B&B TREES ARE TO BE STAKED UNLESS INDICATED.

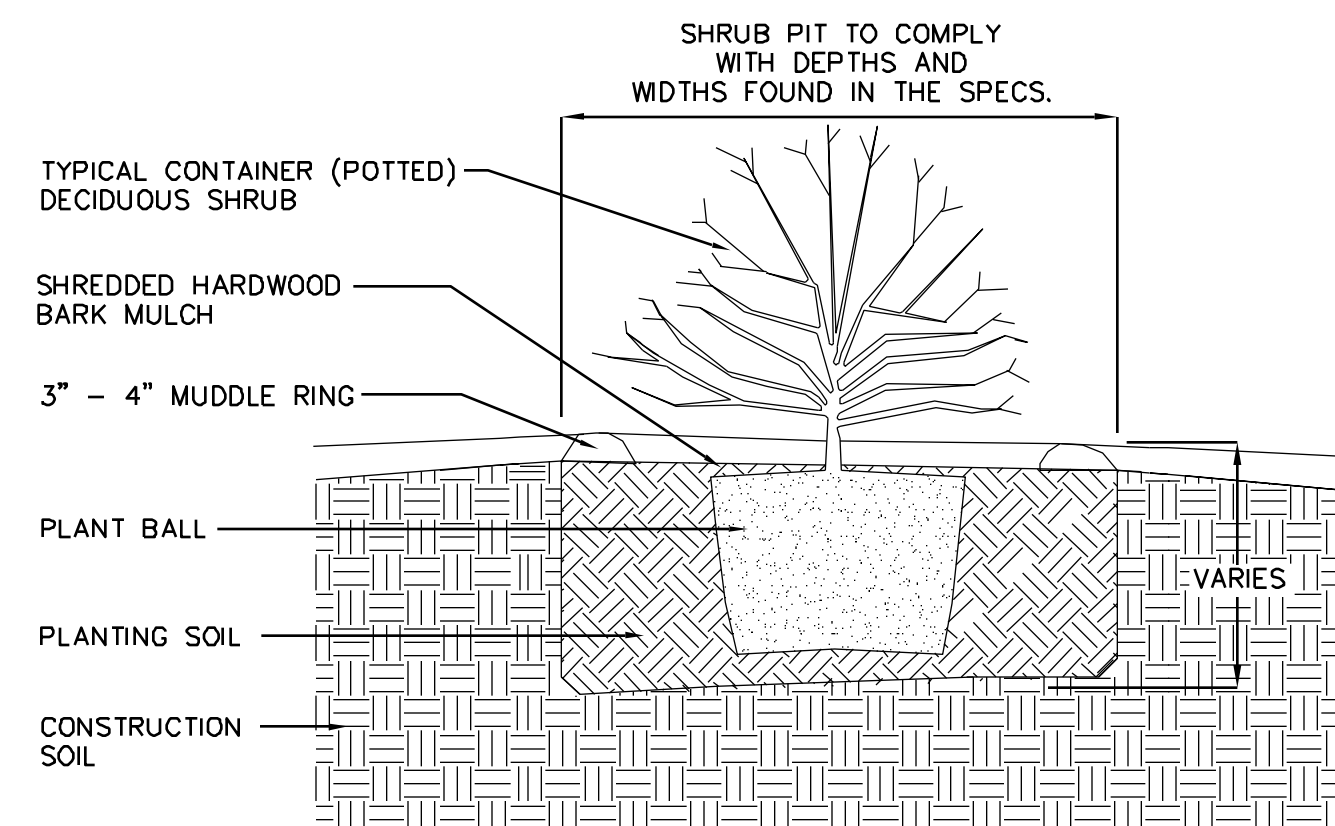
NOTE:
IN SOME CASES THE MULCH IS ONLY A SPECIFIED DIAMETER - SEE PLANS AND SPECIFICATIONS FOR FURTHER COORDINATION OF MULCHING.



TREE PLANTING DETAIL

NOTE:
IN SOME CASES THE MULCH IS ONLY A SPECIFIED DIAMETER. SEE PLANS AND SPECIFICATIONS FOR FURTHER COORDINATION OF MULCHING.

NOTE:
PRUNE SHRUB AS RECOMMENDED BY GROWER AFTER THE PLANT HAS BEEN WATERED INTO THE PLANTING SOIL.



SHRUB PLANTING DETAIL

LANDSCAPE 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 "ONE CALL" AT 1-800-632-4949 OR 811 FOR ASSISTANCE IN LOCATING EXISTING UTILITIES. CALL AT LEAST 72 HOURS PRIOR TO ANY DIGGING.
- ENTIRE SITE SHALL BE SODDED UNLESS SPECIFIED ON PLAN OR REQUESTED BY REGIONAL CONSTRUCTION MANAGER USE LOCALLY ADAPTED SOD.
- THE GENERAL CONTRACTOR SHALL LEAVE THIS SITE AT 6" FROM FINISHED GRADE. THE LANDSCAPE CONTRACTOR SHALL REVISE GRADES AT A MINIMUM TO ENSURE SMOOTH TRANSITIONS BETWEEN PLANTING BEDS AND LAWN AREAS.
- PLANT GUARANTEE: ALL PLANTS SHALL BE GUARANTEED TO LIVE FOR TWELVE MONTHS. THE GUARANTEE SHALL COMMENCE UPON FINAL ACCEPTANCE OF THE PROJECT. IF ANY PLANTS ARE DEAD OR IN AN UNHEALTHY CONDITION BEFORE FINAL ACCEPTANCE, THE LANDSCAPE CONTRACTOR SHALL REPLACE DEAD OR DYING PLANT MATERIAL AT HIS EXPENSE. THIS REPLACEMENT SHALL NOT BE CONSIDERED A GUARANTEED REPLACEMENT.
- ALL PLANTING SHALL BE PLACED WITHIN A MULCHED PLANTING BED. ALL STRAPPING AND THE TOP 2/3 OF WIRE BASKETS MUST BE CUT AWAY AND REMOVED FROM ROOT BALLS PRIOR TO BACKFILLING PLANTING PIT. REMOVE TOP 1/3 OF BURLAP FROM ROOT BALL.
- ALL LANDSCAPE WORK SHALL BE IN ACCORDANCE WITH CURRENT CITY STANDARD DETAILS AND SPECIFICATIONS.
- ALL AREAS NOT MULCHED SHALL BE SEEDED OR SODDED IN ACCORDANCE WITH THE CITY OF WILMINGTON REQUIREMENTS WITH GRASS SPECIES RECOMMENDED FOR REGION AS PRESCRIBED IN THE SEEDING SCHEDULE PER THE CITY OF WILMINGTON STANDARD DETAIL.
- SITE LIGHTING SHALL NOT BE PLACED IN CONFLICT WITH PLANTED TREES.
- TREE PROTECTION FENCING TO BE PROVIDED AROUND TREE PRESERVATION AREAS IN ACCORDANCE WITH CITY STANDARDS.
- COORDINATE ALL WORK WITH SITE LAYOUT AND SITE GRADING, DRAINAGE & UTILITIES PLAN.
- MULCH ALL AREAS, THAT ARE NOT SEEDED OR SODDED, WITH SHREDDED HARDWOOD MULCH OR APPROVED EQUAL AS SPECIFIED TO A DEPTH OF 3"-4".
- THE SELECTION AND INSTALLATION OF PLANTS AND PLANTING METHODS SHALL CONFORM WITH THE STANDARDS OF THE AMERICAN ASSOCIATION OF NURSERYMEN OR THE CITY STANDARD DETAILS AND SPECIFICATIONS, WHICHEVER IS STRICTER.
- CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL QUANTITIES. DRAWINGS SHALL RULE OVER PLANT LISTS.
- SUBSTITUTIONS SHALL BE SUBMITTED TO LANDSCAPE ARCHITECT OR ENGINEER FOR APPROVAL, PRIOR TO INSTALLATION, SUBSTITUTIONS MAY REQUIRE ADDITIONAL APPROVAL BY THE GOVERNING JURISDICTION.
- ALL LANDSCAPING SOIL AND FILL SHALL BE FREE FROM WEEDS, REFUSE, AND DEBRIS AT ALL TIMES.
- TREES AND LARGE SHRUBS SHALL BE ADEQUATELY SUPPORTED, AS NECESSARY, USING STAKES AND GUYS. SUCH SUPPORTS SHALL BE DESIGNED SO AS TO PROTECT TREES AND SHRUBS FROM INJURY. TREES AND SHRUBS SHALL BE FASTENED TO THE SUPPORT WITH AN ACCEPTABLE COMMERCIAL TREE TIE OF PLASTIC OR HOSE COVERED WIRE.
- THE MAXIMUM GROWTH HEIGHT OF ANY LANDSCAPING WITHIN THE SIGHT TRIANGLE SHALL BE THREE (3) FEET IN HEIGHT OR AS REQUIRED AGENCIES HAVING AUTHORITY OVER THE PROJECT.
- ANY EXISTING LANDSCAPING AGAINST BUILDING DESIGNATED TO REMAIN WHICH IS DAMAGED DURING CONSTRUCTION TO BE REPLACED WITH EQUIVALENT.
- ALL PROPOSED VEGETATION WITHIN SIGHT TRIANGLES SHALL NOT INTERFERE WITH CLEAR VISUAL SIGHT LINES FORM 30"-10'.

APPROVED CONSTRUCTION PLAN
NAME _____ DATE _____
PLANNING _____
TRAFFIC _____
FIRE _____
WILMINGTON
Public Services/Engineering Division
APPROVED DRAINAGE PLAN
Date: _____ Permit # _____
Signed: _____

REV	DATE	DESCRIPTION	BY	ISSUE/REF
3	01-04-2017	REVISION 3 PER CITY COMMENTS		
2	12-29-2016	REVISION 2 PER CITY COMMENTS		
1	12-01-2016	REVISION PER CITY COMMENTS		
0	9-15-2016	FIRST ISSUE		

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RALEIGH, NC 27603
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www.tepgroup.net
N.C. LICENSE # C-1794



McDonald's
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OFFICE: RALEIGH REGION
ADDRESS: 4601 SIX FORKS ROAD - SUITE 200 - RALEIGH, N.C. 27609

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

SCALE: 1" = 20'-0"

STREET ADDRESS 2702 S. COLLEGE ROAD	
CITY WILMINGTON	STATE NORTH CAROLINA
COUNTY NEW HANOVER	
PIN R06114-004-001-000	LOCATION CODE NUMBER 032-0496
TEP PID 56725	

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LANDSCAPE PLAN