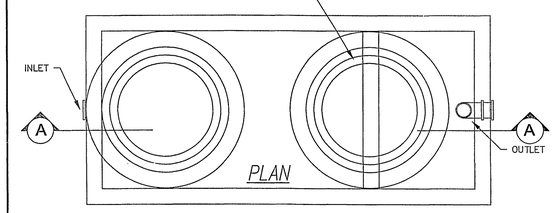
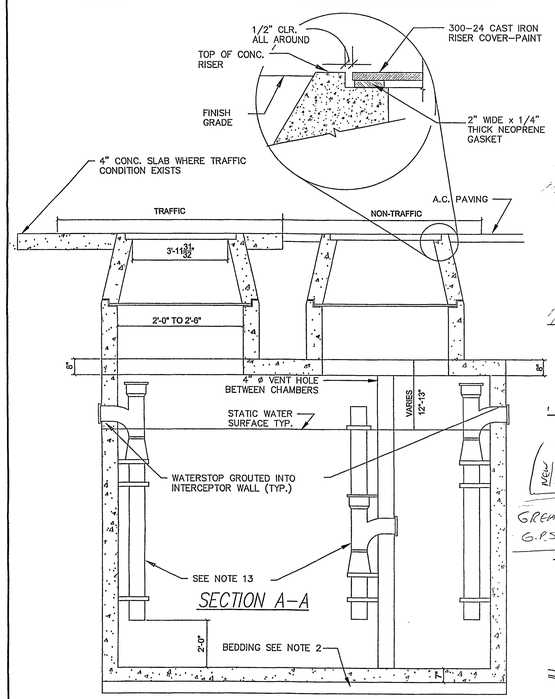
LEGEND

SANITARY SEWER — SS — SS — SS —	GAS — G — G — G —
WATER — W — W — W —	LOT LIGHT (LP:30) (LP:30)
STORM SEWER	EXISTING ELEVATION + 99.75
ELECTRIC — E — E — E —	PROPOSED ELEVATION TC: 99.75 BC: 99.25

QUANTITY		SIZE	RECOVERY
POWER SOAK SINK*	1		86 GPH
POWER SOAK SPRAY RINSE*	1		24 GPH
BAR SINK*	–	– X – X –	– GPH
HAND SINK	5	5 x 5 GPH	25 GPH
PREP SINK	1	– x 10 GPH	10 GPH
PRE–RINSE	–	– x 45 GPH	– GPH
CAN WASH	1	1 x 10 GPH	10 GPH
MOP SINK	2	2 x 5 GPH	10 GPH
OTHER EQUIPMENT	–	– x X GPH **	– GPH
CLOTHES WASHER @ 25% CAPACITY	1	1 x 25%(60)GPH	15 GPH
		TOTAL	180 GPH

* VALUES FROM TABLE 2 DATA SHEET
** AS DETERMINED

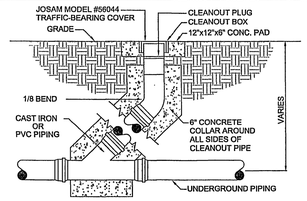




EXTERIOR GREASE INTERCEPTOR NOTES:

1. POLYETHELENE TANKS ACCEPTABLE IN NON-TRAFFIC AREAS UPON SPECIFIC APPROVAL OF THE DIRECTOR OF UTILITIES.
2. 3" MINIMUM BEDDING MATERIAL.
3. ALL SURFACE WATER MUST DRAIN AWAY FROM MANHOLE.
4. PIPE SHALL BE 6" MAX OR PER LOCAL CODE.
5. CONCRETE MIN. COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS.
6. ALL WYES SHALL BE ONE-WAY CLEANOUT WYES EXCEPT AS NOTED.
7. GREASE INTERCEPTORS SHALL BE LOCATED OUTSIDE OF BUILDINGS IN A LOCATION ACCESSIBLE TO WASTE-HAULER PUMPER.
8. SLAB TO EXTEND 24" BEOND ALL SIDES OF TANK (TRAFFIC AREAS).
9. ALL WASTE MUST ENTER THROUGH INLET FITTING ONLY.
10. TANK TO BE STENCILED ON UPPER LEFT HAND CORNER OF INLET END IN WHITE.
11. STAINLESS STEEL CLAMP & BOLTS 3'-0" O.C. MAX (TYP.) MIN 2 REQ'D.
12. WATERSTOP CONSISTING OF A STD. MANHOLE ADAPTER GASKET AS SUPPLIED BY THE PIPE MANUFACTURER SHALL BE GROUTED INTO INTERCEPTOR WALL NEAR THE CENTER OF WALL.
13. PIPE & FITTINGS TO BE 4" SCHL. 40 PVC.
14. REINFORCING BAR INTERMEDIATE GRADE ASTM A613-62T & A305-56T. REINFORCING WIRE FABRIC - ASTM A185-61T.
15. ALTERNATE DESIGN BY A REGISTERED ENGINEER MAY BE SUBSTITUTED FOR REVIEW BY CITY.

2 / C3 EXTERIOR GREASE INTERCEPTOR DETAIL ⚠1
SCALE: N.T.S.



1 / C3 SANITARY SEWER CLEANOUT DETAIL
SCALE: N.T.S. CLEANOUT TO BE TRAFFIC BEARING TYPE (TYP.)

UTILITY CONTACTS:

WATER:
WESTERN VA WATER AUTHORITY
2012 Jefferson Street
Roanoke VA 24014
Contact: JAMIE MORRIS
TEL.#: (540) 853-1588

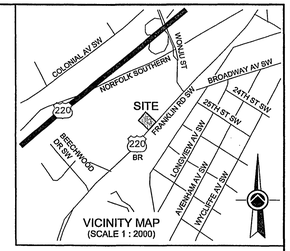
SANITARY SEWER:
WESTERN VA WATER AUTHORITY
2012 Jefferson Street
Roanoke VA 24014
Contact: JAMIE MORRIS
TEL.#: (540) 853-1588

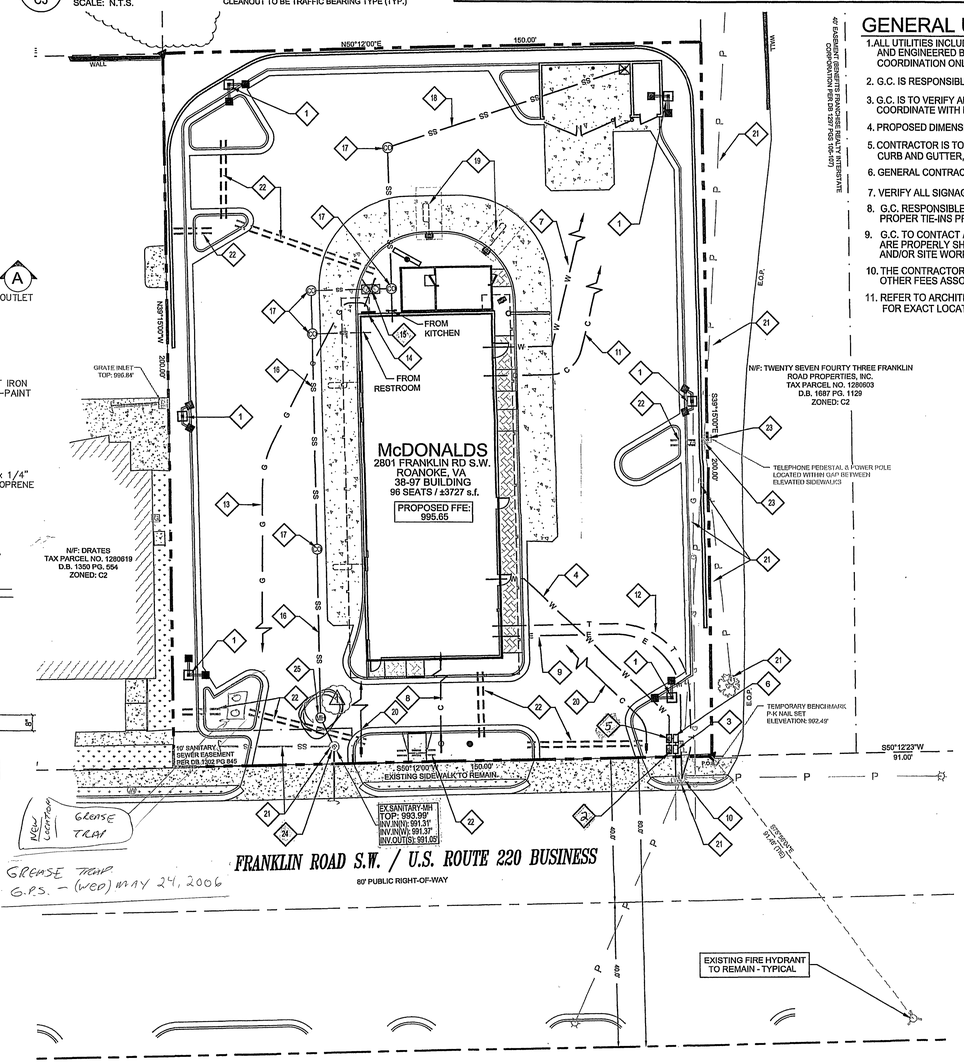
POWER:
AMERICAN ELECTRIC POWER
P.O. BOX 2021
ROANOKE, VA 24022-2121
Contact: MARTIN McGEE
TEL.#: (540) 427-3664

PHONE:
VERIZON
4843 Oakland Blvd.
Roanoke, VA 24012
Contact: JEFF DRAPER
TEL.#: (540) 265-7567

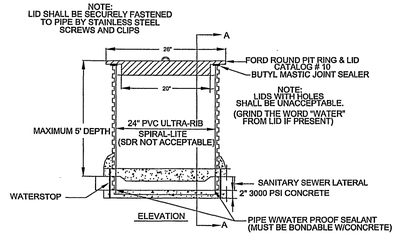
GAS:
ROANOKE GAS
P.O. BOX 13007
ROANOKE, VA 24011
Contact: MIKE CHRISTIAN
TEL.#: (540) 777-3970

STORM SEWER:
CITY OF ROANOKE
215 Church Street SE
Roanoke, VA 24011
Contact: CONLEY TAYLOR
TEL.#: (540) 853-1325



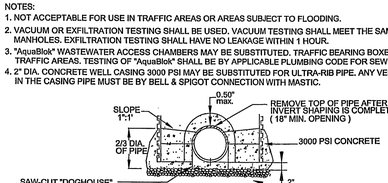


NOTE:
LID SHALL BE SECURELY FASTENED TO PIPE BY STAINLESS STEEL SCREWS AND CLIPS



3 / C3 SAMPLING STRUCTURE DETAIL ⚠1
SCALE: N.T.S.

NOTES:
1. NOT ACCEPTABLE FOR USE IN TRAFFIC AREAS OR AREAS SUBJECT TO FLOODING.
2. VACUUM OR EXFILTRATION TESTING SHALL BE USED. VACUUM TESTING SHALL MEET THE SAME STANDARD FOR CONCRETE MANHOLES. EXFILTRATION TESTING SHALL HAVE NO LEAKAGE WITHIN 1 HOUR.
3. "AquaBlok" WASTEWATER ACCESS CHAMBERS MAY BE SUBSTITUTED. TRAFFIC BEARING BOXES WILL BE REQUIRED IN TRAFFIC AREAS. TESTING OF "AquaBlok" SHALL BE BY APPLICABLE PLUMBING CODE FOR SEWER LATERALS.
4. 2" DIA. CONCRETE WELL CASING 3000 PSI MAY BE SUBSTITUTED FOR ULTRA-RIB PIPE. ANY VERT. JOINTS IN THE CASING PIPE MUST BE BY BELL & SPIGOT CONNECTION WITH MASTIC.



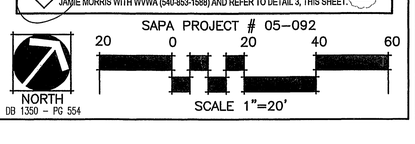
WESTERN VIRGINIA WATER AUTHORITY – CONSTRUCTION STANDARDS		
REVISION DATE 07/01/04	SAMPLING STRUCTURE DETAIL	S–07

GENERAL UTILITY NOTES:

1. ALL UTILITIES INCLUDING WATER, ELECTRICAL, GREASE TRAP, LIGHTING, TELEPHONE, ETC., ARE DESIGNED AND ENGINEERED BY OWNER. UTILITY LOCATIONS SHOWN ARE FOR GENERAL LOCATIONS PURPOSES AND COORDINATION ONLY. THESE LOCATIONS ARE NOT THE RESPONSIBILITY OF STIMMEL ASSOCIATES, P.A.
2. G.C. IS RESPONSIBLE FOR OBTAINING ALL APPLICABLE PERMITS PRIOR TO ANY CONSTRUCTION ACTIVITIES.
3. G.C. IS TO VERIFY ALL NECESSARY SLEEVING AND CONDUIT PRIOR TO INSTALLATION OF FINAL PAVEMENT. COORDINATE WITH LANDSCAPE CONTRACTOR FOR IRRIGATION SLEEVING.
4. PROPOSED DIMENSIONS TO STAKE THE BUILDING ARE BASED ON OUTSIDE CORNER FACE OF BUILDING.
5. CONTRACTOR IS TO USE STANDARD MCDONALD'S CONSTRUCTION DETAILS FOR SIDEWALKS, CURB AND GUTTER, ASPHALT, ETC..
6. GENERAL CONTRACTOR IS TO SECURE CONSTRUCTION AREA PER OSHA STANDARDS.
7. VERIFY ALL SIGNAGE TYPE AND LOCATION WITH MCD'S REPRESENTATIVE PRIOR TO INSTALLATION.
8. G.C. RESPONSIBLE FOR VERIFYING EXISTING ELEVATIONS OF UTILITIES FOR PROPER TIE-INS PRIOR TO ANY CONSTRUCTION.
9. G.C. TO CONTACT ALL UTILITY COMPANIES TO INSURE THE EXISTING UTILITIES ARE PROPERLY SHUT-DOWN PRIOR TO THE BEGINNING OF ANY DEMOLITION AND/OR SITE WORK-TYPICAL.
10. THE CONTRACTOR SHALL INCLUDE IN HIS BID ALL TAP FEES, METER FEES, AND ANY OTHER FEES ASSOCIATED w/ UTILITY CONNECTIONS.
11. REFER TO ARCHITECTURAL, PLUMBING, MECHANICAL, AND ELECTRICAL DRAWINGS FOR EXACT LOCATIONS OF UTILITIES FROM THE BUILDING, INCLUDING ROOF DRAINS.

SITE UTILITY NOTES:

1. NEW LOT LIGHT. COORDINATE WITH McDONALDS PROJECT MANAGER.
2. G.C. RESPONSIBLE FOR COORDINATING EVERY ASPECT OF PROVIDING WATER SERVICE.G.C. TO CONTACT THE CITY FOR SCHEDULING TAP AND PLACEMENT OF NEW 2" METER FOR DOMESTIC WATER SERVICE. G.C. RESPONSIBLE FOR PROVIDING ALL REQUIRED BACKFLOW DEVICES-TYP. G.C. TO COORDINATE WITH JAMIE MORRIS WITH WESTERN VA WATER AUTHORITY (540-853-1588) FOR CITY'S PREFERRED TAP LOCATION.
3. G.C. RESPONSIBLE FOR COORDINATING EVERY ASPECT OF PROVIDING WATER SERVICE. G.C. TO VERIFY SIZE AND WORKING CONDITION OF EXISTING WATER METER FOR POSSIBLE RE-USE. FOR IRRIGATION IF NEW METER IS REQUIRED, G.C. TO CONTACT THE CITY FOR SCHEDULING TAP AND PLACEMENT OF NEW 1" METER FOR IRRIGATION WATER SERVICE. G.C. RESPONSIBLE FOR PROVIDING ALL REQUIRED BACKFLOW DEVICES-TYP.
4. PROPOSED 2" WATER SERVICE
5. G.C. RESPONSIBLE FOR INSTALLATION OF REQUIRED DOUBLE-CHECK BACKFLOW PREVENTOR VALVE FOR DOMESTIC WATER SERVICE. G.C. TO COORDINATE THIS WORK WITH JAMIE MORRIS WITH WESTERN VA WATER AUTHORITY (540-853-1588).
6. G.C. RESPONSIBLE FOR INSTALLATION OF REQUIRED BACKFLOW PREVENTOR VALVE FOR IRRIGATION WATER SERVICE. G.C. TO VERIFY SIZE AND WORKING CONDITION OF POSSIBLE EXISTING BACKFLOW DEVICE(S) FOR POSSIBLE RE-USE. IF NEW BACKFLOW DEVICE IS REQUIRED, G.C. TO COORDINATE THIS WORK WITH JAMIE MORRIS WITH WESTERN VA WATER AUTHORITY.
7. 3/4" MIXED WATER (HOT AND COLD) TO TRASH CORRAL (2' MIN. DEPTH BURIED LINE)
8. 1" CONDUIT W/ #8 WIRE TO EXISTING McDONALDS SIGN TO REMAIN - FIELD VERIFY PRIOR TO LAYING LINE
9. PROPOSED UNDERGROUND ELECTRICAL SERVICE. G.C. TO COORDINATE CONNECTION AND LOCATION OF EXISTING POWER SOURCE w/ POWER COMPANY PRIOR TO ANY DEMOLITION AND/OR SITE WORK-TYPICAL.
10. EXISTING POLE MOUNTED ELECTRICAL TRANSFORMER AND METER FOR REUSE. G.C. TO COORDINATE THIS WORK WITH McDONALDS PROJECT MANAGER AND WITH MARTIN McGEE AT AMERICAN ELECTRIC POWER (Tel.#: 540-427-3664).
11. 1" EMPTY CONDUIT TO TRASH CORRAL FOR FUTURE TRASH COMPACTOR
12. MIN. 4" CONDUIT WITH 200# PULL WIRE FOR TELEPHONE SERVICE FROM PHONE ROOM IN BUILDING TO PROPERTY LINE. COORDINATE w/ JEFF DRAPER AT VERIZON (Tel.#: 540-265-7567).
13. PROPOSED GAS SERVICE. G.C. TO COORDINATE WITH MIKE CHRISTIAN AT ROANOKE GAS (Tel.#: 540-777-3970) AND McD'S PROJECT MANAGER FOR CONNECTION TO EXISTING GAS SERVICE.
14. NEW GAS METER & SERVICE PRESSURE REGULATOR. G.C. TO COORDINATE PLACEMENT WITH MIKE CHRISTIAN AT ROANOKE GAS (Tel.#: 540-777-3970)
15. EXTERIOR 1000 GALLON GREASE INTERCEPTOR. COORDINATE WITH McDONALDS PROJECT MANAGER AND REFER TO SHEET P3 OF THE ARCHITECTURAL DRAWINGS. ALSO REFER TO DETAIL 2 THIS SHEET FOR EXTERIOR GREASE INTERCEPTOR DETAIL. VERIFY FINAL LOCATION WITH McDONALDS PROJECT MANAGER. ⚠1
16. PROPOSED 6" SANITARY SEWER LINE
17. PROPOSED 6" SANITARY SEWER TRAFFIC BEARING CLEAN-OUT AT A MAX. SPACING OF 80.0' MOUNTED FLUSH WITH FINAL GRADE. SEE DETAIL 1, THIS SHEET
18. PROPOSED SANITARY SEWER CONECTION TO TRASH CORRAL. COORDINATE WITH McDONALDS PROJECT MANAGER.
19. TANDUM DRIVE-THRU CONFIGURATION. COORDINATE w/ McD'S PROJECT MANAGER. TWO (2) DRIVE-THRU COMPONENTS AND DETECTOR LOOPS PER SHEET SD1 OF THE BUILDING PLANS. EACH ITEM TO BE FIELD LOCATED BY SIGN COMPANY AND McDONALDS PROJECT MANAGER.
20. G.C. TO CONNECT ALL DIRECTIONAL SIGNAGE TO NEW BUILDING AS REQUIRED. COORDINATE WITH McDONALDS PROJECT MANAGER.
21. PROTECT EXISTING UTILITIES TO REMAIN-TYPICAL. NOTE: G.C. TO CONTACT UTILITY COMPANIES TO INSURE THE EXISTING UTILITIES ARE PROPERLY SHUT-DOWN PRIOR TO THE BEGINNING OF ANY DEMOLITION AND/OR SITE WORK - TYPICAL.
22. 4" SCHEDULE 40 PVC SLEEVES FOR IRRIGATION. VERIFY w/ LANDSCAPE CONTRACTOR.
23. G.C. TO COORDINATE WITH McDONALDS PROJECT MANAGER AND MARTIN McGEE WITH AMERICAN ELECTRIC POWER (540-427-3664) FOR PROPER PROTECTIVE MEASURES AND POSSIBLE BASE ELEVATION ADJUSTMENTS OF EXISTING OVERHEAD UTILITY SERVICE POLE AND TELEPHONE PEDESTAL TO REMAIN DUE TO PROXIMITY OF PROPOSED RETAINING WALL AND ELEVATION CHANGES ASSOCIATED WITH SITE RE-DESIGN. THESE UTILITIES ARE CURRENTLY LOCATED WITHIN A GAP BETWEEN ELEVATED CONCRETE SIDEWALKS TO BE REMOVED.
24. G.C. TO COORDINATE WITH McDONALDS PROJECT MANAGER AND JAMIE MORRIS WITH WESTERN VA WATER AUTHORITY (540-853-1588) FOR PROPOSED SANITARY SEWER SERVICE CONNECTION AT EXISTING SANITARY MANHOLE (AS SHOWN).
25. SAMPLING MANHOLE ON PRIVATE SANITARY SEWER LINE. COORDINATE WITH JAMIE MORRIS WITH WVWA (540-853-1588) AND REFER TO DETAIL 3, THIS SHEET. ⚠1



SITE WORK

1. THE COST TO EXTEND UTILITIES TO THE CONNECTION POINT IS TO BE REFLECTED IN THE CONTRACT SUM. ANY REQUIREMENTS OTHER THAN IMPACT, TAP FEES PAID DIRECTLY TO THE PURVEYOR ARE THE GENERAL CONTRACTORS RESPONSIBILITY.
2. GENERAL CONTRACTOR TO PROVIDE 4" PVC SLEEVES TO FACILITATE IRRIGATION TO ALL LANDSCAPE AREAS. POWER AND CONDUIT TO EXTERIOR VICINITY OF IRRIGATION CONTROL VALVE BOX SHALL BE PROVIDED BY GENERAL CONTRACTOR. VERIFY LOCATION WITH PROJECT MANAGER.
3. GENERAL CONTRACTOR TO FILL BACKFILL AND GRADE ALL LANDSCAPE BEDS TO A COMPACTED MINUS 4" TOP OF FINISHED CURB. INSURE BEDS ARE FREE OF FOREIGN MATERIALS AND DEBRIS. CONTINUE TO FILL BEDS WITH TOP QUALITY SOIL TO 1" BELOW TOP OF CURB, FOR PROPOSED LANDSCAPE SOIL, SOD AND MULCH TO FINISH FLUSH WITH CURB.
4. GENERAL CONTRACTOR TO ADHERE TO SOILS REPORT AS BASIS OF SITE WORK FOR ANY POOR SOILS REMOVAL AND REMEDIATION, UNDERCUTTING, OR ROCK REMOVAL. THE GRADING PRICE SHALL INCLUDE, THE SITE TO THE PROPOSED ELEVATIONS AS INDICATED ON THE SITE PLAN. SHOULD ANY UNUSUAL PROBLEM AREAS BECOME EVIDENT, NOTIFY THE PROJECT MANAGER TO CONFIRM THESE AREAS. CHANGE ORDERS FOR ANY POOR SOIL REMOVAL AND/OR PLACEMENT (SOIL REMEDIAL SHALL NOT EXCEED 1 ½-0" THE TOTAL COST IN PLACE OF LABOR AND MATERIAL. CONTRACTOR SHALL PROVIDE UNIT COST FOR UNFORSEEN POOR SOILS REMOVAL AND REPLACEMENT AS ALTERNATE.
5. PROVIDE ALL CONDUITS AND WIRING, SEPARATE CIRCUIT FOR MENU ORDER STATION AND DETECTOR UNIT. THE DETECTION LOOP SHALL BE INSTALLED IN THE DRIVE THRU PRIOR TO POURING THE CONCRETE DRIVE-THRU LANE. COORDINATE LOCATION OF MENU-ORDER STATION.
6. VERIFY THE TYPE, SIZE AND LOCATION OF TELEPHONE CONDUIT REQUIRED TO SERVICE FACILITY. MINIMUM SHALL BE 2".
7. GENERAL CONTRACTOR AND ASSOCIATED SUBCONTRACTORS SHALL BE RESPONSIBLE FOR COORDINATING WITH ALL UTILITY COMPANIES (GAS, ELECTRIC, WATER, SEWER, STORM DRAINAGE) TO INSURE TIMELY INSTALLATION.
8. ALL REQUIRED DEMOLITION IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.
9. REVIEW GREASE TRAP LOCATION WITH McDONALDS PROJECT MANAGER.
10. WATER SERVICE SHALL BE 2" MIN. FOR DOMESTIC USE AND 1" MIN. FOR IRRIGATION AND BE OF COPPER MATERIAL.
11. VERIFY GAS METER LOCATION PRIOR TO INSTALLATION.
12. GENERAL CONTRACTOR SHALL VERIFY BUILDING LOCATION CERTIFIED BY REGISTERED SURVEYOR, (A SEALED AND SIGNED C-2 WILL SUFFICE) PRIOR TO INSTALLATION OF BUILDING FOUNDATION. A SEALED CERTIFIED C-2 PLAN AND BUILDING PLAT IS REQUIRED PRIOR TO SUBMITTING FIRST PAYMENT REQUEST. AS-BUILT LOCATION OF BUILDING TO INSURE BUILDING SETBACKS AND VERIFICATION OF VERTICAL CONTROLS PROVIDED BY GENERAL CONTRACTOR.
13. GENERAL CONTRACTOR TO FURNISH A 4'x8' "HERE WE GROW AGAIN" SIGN. SIGN MAY BE USED ON FUTURE PROJECTS PROVIDING IT IS MAINTAINED IN GOOD REPAIR. THIS SIGN MUST BE POSTED WITHIN 10 CALENDAR DAYS OF PROJECT START. IF NOT, A $500.00 DEDUCT WILL BE TAKEN FROM THE CONTRACT AMOUNT. SIGNS CAN BE OBTAINED FROM THE McDONALDS PROJECT MANAGER.
14. MINIMUM ASPHALT PAVING CONSIST OF A 6" LAYER OF AGGREGATE ROCK BASE, 2" LAYER OF AGGREGATE ASPHALT (BINDER) CEMENT BASE PAVEMENT AND A FINAL 1" LAYER OF AGGREGATE ASPHALT CEMENT BASE (SMOOTH) FINISHED SURFACE. SOILS REPORT SHALL CONTROL IN MORE STRINGENT CASES. FINISH ROLLING SHALL CONTINUE UNTIL ALL ROLLER MARKS AND IMPERFECTIONS ARE ELIMINATED.
15. IN CASES WHERE CONCRETE PARKING LOTS ARE APPLIED, CONCRETE IS TO BE IN COMPLETE CONFORMANCE WITH MCDONALD'S PLANS AND SPECIFICATIONS INCLUDING SOILS REPORT.
16. ALL SIDEWALKS AND CONCRETE PARKING LOTS INCLUDING DRIVE-THRU LANE SHALL CONSIST OF SCORE LINES / EXPANSION JOINTS AT NO GREATER THAN 8' FOR SIDEWALKS AND NO GREATER THAN 20' ON CENTER FOR CONCRETE PARKING LOTS AND DRIVE-THRU LANE. PROVIDE PRE-MOLDED EXPANSION JOINT FILLER, FINISH WITH RESIDUE FILLER FOR ALL SITE FLAT WORK.
17. ALL SIDEWALKS SHALL BE TILED WITH 6x6 CANYON RED ABRASIVE. CONTRACTOR TO BID MINIMUM 50 S.F AT EACH DOOR WITH REMAINING TYPOGRAPHY AS BID ALTERNATE. INCLUDE TILE PRE-FRAMED / MOLDED EXPANSION FILLER DIRECTLY CENTERED OVER SIDEWALK EXPANSION JOINT.
18. COMPACTION OF BUILDING SUBSTRATUM AND ASPHALT AREAS TO BE VERIFIED IN WRITING AND PERFORMED BY A GEOTECHNICAL ENGINEER CONSULTANT. THE GENERAL CONTRACTOR SHALL COVER THE COST OF TESTING.
19. PARKING LOT SUBGRADE TO BE AT A MINIMUM OF 95% COMPACTION, GENERAL CONTRACTOR TO PROVIDE PROCTOR FOR PROPOSED FILL MATERIAL PRIOR TO COMMENCING CONSTRUCTION. EACH 2,500 S.F. OF FILL AT EVERY 1'-0" VERTICAL LIFTS SHALL BE VERIFIED FOR 95% COMPACTION.
20. GENERAL CONTRACTOR TO COORDINATE CONCRETE CYLINDER TEST FOR FOOTINGS, SLAB, AND ALL CONCRETE PARKING LOT PAVEMENT INCLUDING DRIVE-THRU LANE AND DUMPSTER PAD.
21. GENERAL CONTRACTOR TO PROVIDE (2) 1" CONDUITS FROM CASH WINDOW DRIVE-THRU (ABOVE CEILING) TO REAR PARKING LOT LIGHT POLE (RUN UP INSIDE POLE 16' A.F.F.) TO INCLUDE 110 EXTERIOR WEATHER PROOF GROUND FAULT BREAKER (GUTLET). PROVIDE REMAINING CONDUIT WITH 200# PULL STRING FOR FUTURE SECURITY CAMERA COAX CABLE.
22. ALL CONCRETE CURBING SHALL BE AS PER PLANS AND SPECIFICATIONS. PROVIDE 1" PVC WEEP HOLES AT EVERY 10'-0" O.C. (GRAVEL BEDDING BEHIND CURB) TO PREVENT TRAPPED WATER IN LANDSCAPE BEDS.
23. G.C. TO REVIEW EXISTING STREET IMPROVEMENTS, REPAIR / REPLACE AS REQUIRED BY LOCAL JURISDICTION.
24. INSULATION UNDER THE CONCRETE FLOOR AT COOLER / FREEZER AREA SHALL BE BID AS OPERATOR EXTRA ON THE BID DOCUMENT PROPOSAL KITCHEN EQUIPMENT LINE.

ALL LOT LIGHT WIRES TO BE CONTINUOUS RUN FROM PANELS TO THE LOT LIGHTS WITH NO SPLICES. (CHECK SPECS)

GENERAL NOTES

1. McDONALD'S ROAD SIGN AND BASE ARE BY THE SIGN CONTRACTOR. CONDUIT AND WIRING ARE BY THE G.C.
2. BASES, GALVANIZED ANCHOR BOLTS, CONDUIT, AND WIRING FOR ALL OTHER SIGNS ARE BY THE G.C.
3. 3/4" EMPTY CONDUIT TO LOCATIONS SHOWN AT THE LOT PERIMETER FOR LOT LIGHTING IS BY THE G.C. LIGHTING FIXTURES, BASES, POLES, CONDUIT, AND WIRING ARE BY THE GENERAL CONTRACTOR.
4. BASES FOR FLAGPOLES ARE BY THE GENERAL CONTRACTOR. ANCHOR BOLTS ARE BY THE FLAGPOLE SUPPLIER.
5. PROPOSED UTILITIES ARE SHOWN IN SCHEMATIC ONLY. EXACT LOCATIONS SHALL BE DETERMINED TO ALLOW FOR THE MOST ECONOMICAL INSTALLATION.
6. THE CONTRACTOR SHALL COORDINATE WITH ALL UTILITY COMPANIES TO DETERMINE EXACT POINT OF SERVICE CONNECTION AT EXISTING UTILITY. REFER TO THE BUILDING ELECTRICAL AND PLUMBING DRAWINGS FOR UTILITY SERVICE ENTRANCE LOCATIONS, SIZES, AND CROSSTING.
7. ALL ELEVATIONS SHOWN ARE IN REFERENCE TO THE BENCHMARK AND MUST BE VERIFIED BY THE G.C. AT GROUNDSBREAK.
8. FINISH WALK AND CURB ELEVATIONS SHALL BE 6" ABOVE FINISH PAVEMENT.
9. ALL LANDSCAPE AREAS SHALL BE ROUGH GRADED TO 9" BELOW TOP OF ALL WALKS AND CURBS. FINISH GRADING, LANDSCAPING, AND SPRINKLER SYSTEMS ARE BY THE OWNER/OPERATOR.
10. LOT LIGHTING CONCRETE FOOTINGS TO CONFORM WITH THE SOILS REPORT RECOMMENDATIONS FOR THIS PARTICULAR SITE.
11. REFER TO SHEETS C1 THRU C4 FOR ALL APPLICABLE SITE DETAILS.
12. PROVIDE WEEPHOLES ON CURBS AT ALL LANDSCAPE AREAS LOCATIONS. COORDINATE WITH McD'S PROJECT MANAGER.

PAVING SPECIFICATION

REFER TO PAVING DETAILS FOR PAVING SPECIFICATIONS

NOTE: GEN. CON. TO OVERLAY EX. ASPHALT AS NECESSARY

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, G.C. WILL BE CHARGED, NECESSARY

LOT LIGHTING RECOMMENDATION

SECURITY LIGHTING ASH1000 WATT METAL HALIDE FIXTURE W/ 30 DEGREE TILT ON 22 FOOT POLE 2 FOOT CONCRETE BASE
ASB-4-MH-DB-MT W/LAMP
GEN. CON. TO NOTE CORRECT LOCATION OF FIXTURES

NOTE: ALL LIGHTING SHALL BE GLARE SHIELDED AND NON-DIRECTIONAL TO PREVENT DIRECT ILLUMINATION BEYOND THE PROPERTY LINE.

NOTE: ELECTRICAL CONTRACTOR TO CIRCUIT LOT LIGHTING AS NOTED.

PARKING INFORMATION

TOTAL SPACES					
34	2–HC	SPACES	8.0'	X 18.0'	@ 60 °
	30	SPACES	9.0'	X 18.0'	@ 60 °
	2	SPACES	9.0'	X 18.0'	@ 90 °
	–	SPACES	–'	X –'	@ – °
	–	SPACES	–'	X –'	@ – °

UTILITY INFORMATION

	SIZE TYPE LOCATION
SANITARY SEWER	EXISTING SANITARY SEWER MANHOLE ON SITE IN WESTERN DRIVEWAY
WATER	EXISTING WATERLINE RUNNING FROM FRANKLIN ROAD INTO SITE NEAR EAST PROPERTY LINE
STORM SEWER	N/A
ELECTRIC	EX. OVERHEAD ALONG EAST PROPERTY LINE AND UNDERGROUND SERVICE ALONG EAST PROPERTY LINE
GAS	EXISTING GASLINE ALONG EAST PROPERTY LINE

SURVEY INFORMATION

PREPARED BY: *BOUNDARY AND TOPOGRAPHIC SURVEY BY:*
REGIONAL LAND SURVEYORS, INC.
8642 West Market Street Suite 100
Greensboro, North Carolina 27409
TEL.#: (336) 665-8155

PLAN SCALE: AS NOTED

STREET ADDRESS
2801 FRANKLIN ROAD S.W.

CITY	STATE
ROANOKE	VIRGINIA

COUNTY
ROANOKE

REGIONAL DWG. NO	LOCATION CODE NUMBER
WVWA ID# 6H6N2B	045-0076

REV	DATE	DESCRIPTION	BY	ISSUED
1	08/21/05	PERMIT REVIEW COMMENTS	JAL	

Stimmel

Stimmel Associates, PA
Landscape Architecture
Civil Engineering
Land Planning

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COMMONWEALTH OF VIRGINIA
9-21-05
DOUGLAS W. STIMMEL
No.516
REGISTERED LANDSCAPE ARCHITECT

McDonald's

RALEIGH REGION
3200 BEECHLEAF COURT – SUITE 300 – RALEIGH, N.C. 27604

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PLAN APPROVAL

SIGNATURE (2 REQUIRED)	DATE
REGIONAL MGR.	
CONST. MGR.	
OPERATIONS DEPT.	
REAL ESTATE DEPT.	

CO-SIGN SIGNATURES

CONTRACTOR
OWNER

OFFICE ADDRESS

STATUS	DATE	BY
FINAL	08/11/05	DGS
PLAN CHECKED	-	JAL
AS-BUILT	-	-

C3
SITE UTILITY PLAN