

SPECIFICATIONS:

DIVISION 2: SITE WORK

SECTION 2A: CLEARING THE SITE

- 1. SCOPE: FURNISH ALL MATERIALS, EQUIPMENT AND LABOR FOR CLEARING, EXCAVATING, REMOVAL OF RUBBISH, TRASH AND OTHER NOTED ITEMS...

- PERFORMANCE: 1. REFER TO THE SITE PLAN AND GRADING PLAN TO DETERMINE EXTENT OF WORK NECESSARY UNDER THIS HEADING...

SECTION 2B: SITE DRAINAGE

- 1. SCOPE: FURNISH AND INSTALL STORM DRAIN PIPES, CATCH BASINS, CURB INLETS, GRATINGS FRAMES, MANHOLES, AND RELATED ITEMS.

- MATERIALS AND PERFORMANCE: 1. CONCRETE PIPE SHALL CONFORM TO ASTM SPECIFICATIONS C76 CLASS III EXCEPT PIPE OVER 18" IN DIAMETER SHALL BE CLASS III AND/OR CLASS IV...

- 2. CORRUGATED METAL PIPE SHALL CONFORM TO ASTM A-760, A761, OR A-762 FABRICATION AND INSTALLATION SHALL BE IN ACCORDANCE WITH AISI SPECIFICATIONS.

- 3. MANHOLES, YARD DRAINS, CURB INLETS, AND CATCH BASINS SHALL BE CONSTRUCTED OF CAST-IN-PLACE AND/OR PRECAST REINFORCED CONCRETE...

- 4. VITRIFIED CLAY PIPE SHALL CONFORM TO ASTM SPECIFICATION C-200 FOR EXTRA STRENGTH PIPE.

- 5. THE HEIGHTS OF STORM DRAINAGE STRUCTURES SHALL BE ADJUSTED SO THAT THE SITE DRAINS PROPERLY AS INTENDED ON THE DRAWINGS WITHIN THE SLOPE LIMITS.

SECTION 2C: EARTHWORK

- 1. SCOPE: FURNISH AND INSTALL/PERFORM ALL GENERAL EXCAVATION, FOOTING EXCAVATION, FILLING, BACKFILLING, STRIPPING OF TOPSOIL, SITE GRADING, AND RELATED ITEMS NECESSARY TO BRING THE SUB-GRADE TO PROPER CONTOUR.

- 2. QUALITY CONTROL: TO ASSURE COMPLIANCE WITH THE FILLING AND BACKFILLING COMPACTION REQUIREMENTS, A SOIL TESTING LABORATORY SHALL BE NOTIFIED BY THE CONTRACTOR TO CHECK COMPACTION WHEN SO INSTRUCTED BY THE OWNER OR HIS AGENT...

- 3. A SOIL REPORT WILL BE CONDUCTED AND FURNISHED BY OWNER AND SHALL BE REFERENCED FOR SPECIFIC SITE, SOIL, AND FOUNDATION MODIFICATIONS.

MATERIAL AND PERFORMANCE

- 1. FOOTING EXCAVATION: ALL FOOTING EXCAVATION SHALL EXTEND INTO UNDISTURBED VIRGIN SOIL OF 2000 PSF MINIMUM BEARING CAPACITY...

- 2. ALL EXCAVATION BELOW THE BOTTOM OF THE FOOTING SHALL BE BACKFILLED WITH 2000 PSF CONCRETE, BUT EXCAVATION SHALL NOT EXCEED 10' WITHOUT THE APPROVAL OF THE ENGINEER.

- 3. ALL FOUNDATION EXCAVATIONS SHALL BE FREE OF MUD, WATER, AND ALL FOREIGN MATERIAL PRIOR TO POURING.

- 4. PROVIDE ADEQUATE PROTECTION AGAINST CAVE-IN.

- 5. EXCAVATION FOR PLUMBING, HEATING, AND ELECTRICAL WORK SHALL BE DONE BY THE TRADES INVOLVED.

- 6. GRADING: THE ENTIRE SITE SHALL BE GRADED TO DRAIN PROPERLY. EXISTING AND FINISH GRADES ARE SHOWN ON THE GRADING PLAN...

- 7. IN THE EVENT OF CONFLICT BETWEEN GRADES ESTABLISHED ON THE POPEYES SITE AND EXISTING ADJACENT PROPERTIES, THE OWNER AND THE ENGINEER OF RECORD SHALL BE NOTIFIED IMMEDIATELY.

- 8. FILL MATERIAL: REFER TO SOIL REPORT FOR FILL MATERIAL AND COMPACTION SPECIFICATIONS. IF NO SOIL REPORT IS PROVIDED, FOR EACH TYPE OF BORROW MATERIAL DELIVERED TO THE SITE...

SECTION 2D: SOIL POISONING

- 1. SCOPE: FURNISH AND INSTALL CHEMICAL TREATMENT TO PREVENT TERMITE INFESTATION FOR AREAS TO BE COVERED BY BUILDING SLABS, FOOTINGS, AND SIDEWALKS.

- 2. GUARANTEE: FURNISH WRITTEN GUARANTEE PROVIDING THAT: CHEMICAL AS APPLIED MEETS CONCENTRATION REQUIREMENTS AND APPLICATION RATE SPECIFIED HEREIN...

MATERIALS

- 1) SOIL AREAS DESIGNATED SHALL BE TREATED BY ONE OF THE FOLLOWING CHEMICALS AT NOT LESS THAN THE CONCENTRATIONS AS SHOWN BELOW

Table with 2 columns: CHEMICAL, CONCENTRATION. Rows include ALDRIN, CHLORANE, DIELDREN, HELPTACHLOR with their respective concentrations in water emulsion.

PERFORMANCE

- 1) BECAUSE OF THE EXTENSIVE USE OF THESE MATERIALS, THEY SHALL BE APPLIED CAREFULLY TO THE DESIGNATED AREAS TO AVOID UNNECESSARY EXPERIMENTED APPLICATIONS.

- FOUNDATION WALLS, PIERS, ETC.
• 4 GALLONS PER 10 LINEAR FEET
• MINIMUM DEPTH OF 1'-0" MINIMUM

- UNIT MATERIALS AND PIERS UNDER FLOOR SLABS
• 2 GALLONS PER 10 LINEAR FEET
• APPLY TO BOTTOM OF FOUNDATION

- SLABS
• 1.5 GALLONS PER SQUARE FEET
• UNIFORM COVERAGE

APPLY JUST PRIOR TO INSTALLATION OF VAPOR BARRIER. IF NECESSARY FOR COMPLETE PROTECTION, SUBSEQUENT TREATMENT SHALL BE MADE BEFORE SLABS AND SIDEWALKS ARE POURED OR IF SOIL IS DISTURBED BY LATER EXCAVATION.

SECTION 2E: ROADS AND WALKS

GENERAL REQUIREMENTS

- 1. SCOPE: FURNISH AND INSTALL ALL CURBS AND GUTTERS, PAVING, MARKING STRIPES, AND SIDEWALKS AS SHOWN ON THE SITE PLAN AND NOTED HEREIN.

- 2. QUALITY CONTROL: 2.1. SAMPLING AND TESTING: 2.1.1. THE OWNER IS TO EMPLOY AN INDEPENDENT LABORATORY TO CORE THE PARKING LOT ON THE DAY IT IS INSTALLED...

- 2.1.2. THE OWNER IS TO ADVISE THE GENERAL CONTRACTOR OF THE TESTING LABORATORY.

- 2.1.3. THE GENERAL CONTRACTOR SHALL NOTIFY THE TESTING COMPANY OF THE DATE OF THE PAVING, WITH A MINIMUM OF ONE (1) WEEK'S ADVANCE NOTICE.

- 2.1.4. THE GENERAL CONTRACTOR IS TO INFORM THE PAVING CONTRACTOR THAT SURFACE TO INCLUDE IN THEIR PRICE THE REPLACEMENT OF THE CORES AS SPECIFIED IN SECTION 2E: PERFORMANCE: ASPHALT. D. TO ENSURE THE INTEGRITY OF THE PAVEMENT AND FULL WARRANTY.

- 2.1.5. IF REQUESTED BY THE OWNER, FURNISH FOR TEST AND ANALYSIS REPRESENTATIVE SAMPLES OF THE MATERIALS TO BE USED IN THE WORK.

- 2.2. SMOOTHNESS: THE SURFACE OF THE COMPLETED WORKS, WHEN TESTED WITH A 10' STRAIGHT EDGE, SHALL NOT CONTAIN IRREGULARITIES IN EXCESS OF 1/4 INCH.

MATERIALS

- 1. CONCRETE: CAST-IN-PLACE CONCRETE AS HEREINAFTER SPECIFIED IN SECTION 3A: CONCRETE.

- 2. ASPHALT PAVEMENT: 2.1. ASPHALT MATERIAL AND APPLICATION SHALL BE ACCORDING TO DESIGN SPECIFICATIONS PROVIDED BY SOIL ENGINEERS REPORT.

- 2.1.1. ALL MATERIAL AND CONSTRUCTION PROCEDURES ARE TO MEET STATE HIGHWAY DEPARTMENT SPECIFICATIONS.

- 2.1.2. PAVEMENT SECTION: 2.1.2.1. 6 INCHES AGGREGATE BASE COURSE.

- 2.1.2.2. 2 INCHES ASPHALT BINDER.

- 2.1.2.3. 1 INCH ASPHALT SURFACE COURSE.

- 2.1.3. PRIME COAT OF APPROXIMATELY 0.3 GALLONS PER SQUARE YARD OF CUT BACK ASPHALT PRIMER SHALL BE APPLIED TO SURFACE OF STONE BASE COURSE.

- 3. TRAFFIC MARKING PAINT: MARK ALL PARKING BAYS, ARROWS AND OTHER TRAFFIC MARKINGS INDICATED ON THE SITE PLAN. PAINT "TRAFFIC YELLOW" REFER TO SITE PLAN. ALL PAINT PRODUCTS TO COMPLY WITH STATE HIGHWAY SPECIFICATIONS.

- 4. SEALER: TAR/FLEX WATER-BASED BLACKTOP SEALER.

PERFORMANCE

- 1. CONCRETE: 1.1. EXTERIOR CONCRETE: CURBS AND GUTTERS SHALL BE ACCORDING TO DETAILS ON PLANS. SIDEWALKS AND PATIO SLABS SHALL BE POURED 4" THICK OVER WELL TAMPED EARTH BASE...

- 1.2. PAVEMENT PREPARATION FOR SUBGRADE: - THE BOTTOM OF THE EXCAVATION OR THE TOP OF THE FILL SHALL BE KNOWN AS THE PAVEMENT SUBGRADE AND SHALL CONFORM TO THE LINES, GRADE, AND CROSS SECTIONS SHOWN IN THE PLANS...

- 1.3. CONCRETE PLACEMENT AND FINISHING - READY-MIXED CONCRETE HAULED IN TRUCK MIXERS OR TRUCK AGITATORS SHALL BE DEPOSITED IN PLACE WITHIN NINETY (90) MINUTES FROM THE TIME WATER IS ADDED TO THE MIX...

- 1.4. JOINTS - UNLESS NOTED ON THE PROJECT DRAWINGS, JOINTS OR JOINTING PLAN SHALL BE PREPARED BY THE CONTRACTOR AND APPROVED BEFORE PAVING BEGINS. CONTRACTOR JOINTS OR CONTRACTOR JOINTS SHALL BE FORMED BY HAND...

- 1.5. DURING - CONCRETE SHALL BE CURED BY PROTECTING IT AGAINST LOSS OF MOISTURE. RAPID TEMPERATURE CHANGE, AND MECHANICAL INJURY FOR AT LEAST THREE (3) DAYS AFTER PLACEMENT. MOIST CURING, WATERPROOF PAPER, WHITE POLYETHYLENE SHEETING, WHITE LIQUID MEMBRANE COMPOUND, OR A COMBINATION THEREOF MAY BE USED...

- 1.6. ISOLATION JOINTS (EXPANSION JOINTS) SHALL BE USED TO ISOLATE FIXED OBJECTS ABUTTING OR WITHIN THE PAVED AREA. THEY SHALL CONTAIN PREMOLDED JOINT FILLER FOR THE FULL DEPTH OF THE SLAB. WHEN APPROVED, THE CONTRACTOR SHALL BE PERMITTED TO MAKE MINOR ADJUSTMENTS IN JOINT LOCATION TO MAKE THEM COINCIDE WITH DRAINAGE OR OTHER STRUCTURES. DOWELS 18" LONG SHALL BE USED ON ALL JOINTS ON 18" CENTERS.

- 1.7. ISOLATION JOINTS WIDER THAN 1/4" SHALL BE CLEANED AND SEALED BEFORE OPENING PARKING AREA TO TRAFFIC. ISOLATION JOINTS (EXPANSION JOINTS) SHALL BE USED TO ISOLATE FIXED OBJECTS ABUTTING OR WITHIN THE PAVED AREA. THEY SHALL CONTAIN PREMOLDED JOINT FILLER FOR THE FULL DEPTH OF THE SLAB. WHEN APPROVED, THE CONTRACTOR SHALL BE PERMITTED TO MAKE MINOR ADJUSTMENTS IN JOINT LOCATION TO MAKE THEM COINCIDE WITH DRAINAGE OR OTHER STRUCTURES. DOWELS 18" LONG SHALL BE USED ON ALL JOINTS ON 18" CENTERS.

- 1.8. ISOLATION JOINTS WIDER THAN 1/4" SHALL BE CLEANED AND SEALED BEFORE OPENING PARKING AREA TO TRAFFIC. ISOLATION JOINTS (EXPANSION JOINTS) SHALL BE USED TO ISOLATE FIXED OBJECTS ABUTTING OR WITHIN THE PAVED AREA. THEY SHALL CONTAIN PREMOLDED JOINT FILLER FOR THE FULL DEPTH OF THE SLAB. WHEN APPROVED, THE CONTRACTOR SHALL BE PERMITTED TO MAKE MINOR ADJUSTMENTS IN JOINT LOCATION TO MAKE THEM COINCIDE WITH DRAINAGE OR OTHER STRUCTURES. DOWELS 18" LONG SHALL BE USED ON ALL JOINTS ON 18" CENTERS.

- 1.9. ISOLATION JOINTS WIDER THAN 1/4" SHALL BE CLEANED AND SEALED BEFORE OPENING PARKING AREA TO TRAFFIC. ISOLATION JOINTS (EXPANSION JOINTS) SHALL BE USED TO ISOLATE FIXED OBJECTS ABUTTING OR WITHIN THE PAVED AREA. THEY SHALL CONTAIN PREMOLDED JOINT FILLER FOR THE FULL DEPTH OF THE SLAB. WHEN APPROVED, THE CONTRACTOR SHALL BE PERMITTED TO MAKE MINOR ADJUSTMENTS IN JOINT LOCATION TO MAKE THEM COINCIDE WITH DRAINAGE OR OTHER STRUCTURES. DOWELS 18" LONG SHALL BE USED ON ALL JOINTS ON 18" CENTERS.

- 1.10. ISOLATION JOINTS WIDER THAN 1/4" SHALL BE CLEANED AND SEALED BEFORE OPENING PARKING AREA TO TRAFFIC. ISOLATION JOINTS (EXPANSION JOINTS) SHALL BE USED TO ISOLATE FIXED OBJECTS ABUTTING OR WITHIN THE PAVED AREA. THEY SHALL CONTAIN PREMOLDED JOINT FILLER FOR THE FULL DEPTH OF THE SLAB. WHEN APPROVED, THE CONTRACTOR SHALL BE PERMITTED TO MAKE MINOR ADJUSTMENTS IN JOINT LOCATION TO MAKE THEM COINCIDE WITH DRAINAGE OR OTHER STRUCTURES. DOWELS 18" LONG SHALL BE USED ON ALL JOINTS ON 18" CENTERS.

- 1.11. ISOLATION JOINTS WIDER THAN 1/4" SHALL BE CLEANED AND SEALED BEFORE OPENING PARKING AREA TO TRAFFIC. ISOLATION JOINTS (EXPANSION JOINTS) SHALL BE USED TO ISOLATE FIXED OBJECTS ABUTTING OR WITHIN THE PAVED AREA. THEY SHALL CONTAIN PREMOLDED JOINT FILLER FOR THE FULL DEPTH OF THE SLAB. WHEN APPROVED, THE CONTRACTOR SHALL BE PERMITTED TO MAKE MINOR ADJUSTMENTS IN JOINT LOCATION TO MAKE THEM COINCIDE WITH DRAINAGE OR OTHER STRUCTURES. DOWELS 18" LONG SHALL BE USED ON ALL JOINTS ON 18" CENTERS.

- 1.12. ISOLATION JOINTS WIDER THAN 1/4" SHALL BE CLEANED AND SEALED BEFORE OPENING PARKING AREA TO TRAFFIC. ISOLATION JOINTS (EXPANSION JOINTS) SHALL BE USED TO ISOLATE FIXED OBJECTS ABUTTING OR WITHIN THE PAVED AREA. THEY SHALL CONTAIN PREMOLDED JOINT FILLER FOR THE FULL DEPTH OF THE SLAB. WHEN APPROVED, THE CONTRACTOR SHALL BE PERMITTED TO MAKE MINOR ADJUSTMENTS IN JOINT LOCATION TO MAKE THEM COINCIDE WITH DRAINAGE OR OTHER STRUCTURES. DOWELS 18" LONG SHALL BE USED ON ALL JOINTS ON 18" CENTERS.

- 1.13. ISOLATION JOINTS WIDER THAN 1/4" SHALL BE CLEANED AND SEALED BEFORE OPENING PARKING AREA TO TRAFFIC. ISOLATION JOINTS (EXPANSION JOINTS) SHALL BE USED TO ISOLATE FIXED OBJECTS ABUTTING OR WITHIN THE PAVED AREA. THEY SHALL CONTAIN PREMOLDED JOINT FILLER FOR THE FULL DEPTH OF THE SLAB. WHEN APPROVED, THE CONTRACTOR SHALL BE PERMITTED TO MAKE MINOR ADJUSTMENTS IN JOINT LOCATION TO MAKE THEM COINCIDE WITH DRAINAGE OR OTHER STRUCTURES. DOWELS 18" LONG SHALL BE USED ON ALL JOINTS ON 18" CENTERS.

- 1.14. ISOLATION JOINTS WIDER THAN 1/4" SHALL BE CLEANED AND SEALED BEFORE OPENING PARKING AREA TO TRAFFIC. ISOLATION JOINTS (EXPANSION JOINTS) SHALL BE USED TO ISOLATE FIXED OBJECTS ABUTTING OR WITHIN THE PAVED AREA. THEY SHALL CONTAIN PREMOLDED JOINT FILLER FOR THE FULL DEPTH OF THE SLAB. WHEN APPROVED, THE CONTRACTOR SHALL BE PERMITTED TO MAKE MINOR ADJUSTMENTS IN JOINT LOCATION TO MAKE THEM COINCIDE WITH DRAINAGE OR OTHER STRUCTURES. DOWELS 18" LONG SHALL BE USED ON ALL JOINTS ON 18" CENTERS.

THE EDGES OF CONCRETE SLABS EXPOSED BY THE REMOVAL OF FORMS SHALL BE FINISHED IMMEDIATELY TO PROVIDE THESE SURFACES WITH CONTINUOUS CURING TREATMENT EQUAL TO THE METHOD SELECTED FOR CURING THE SLAB AND CURB SURFACE.

- 1.5. OPENING TO TRAFFIC - THE ENGINEER SHALL DECIDE WHEN THE PAVEMENT SHALL BE OPENED TO TRAFFIC. IT SHALL NOT BE OPENED TO TRAFFIC UNTIL THE FIELD-CURED CONCRETE HAS ATTAINED A FLEXURAL STRENGTH OF 550 PSI, OR A COMPRESSIVE STRENGTH OF 3,500 PSI...

- 2. ASPHALT: 2.1. PAVEMENT PREPARATION FOR SUBGRADE: MATERIAL IN SOFT SPOTS SHALL BE REMOVED TO THE DEPTH REQUIRED TO PROVIDE A FIRM FOUNDATION AND REPLACED WITH A MATERIAL EQUAL TO THE BEST SUBGRADE MATERIAL ON SITE...

- 2.2. SPREADING BASE AND SURFACE COURSES - ASPHALT BASE AND SURFACE: FOR ALL AREAS OF MORE THAN 1000 SQUARE YARDS, ASPHALT BASE AND SURFACE COURSES SHALL BE SPREAD AND STRUCK OFF WITH A PAVER...

- 2.3. SUCH AREAS SHALL NOT BE PERMITTED.

- 2.4. THE TESTING LABORATORY SHALL NOTIFY THE GENERAL CONTRACTOR AT LEAST TWO (2) DAYS PRIOR TO CORING.

- 2.4.5. IF THE ASPHALTIC CONCRETE PATCH CANNOT BE INSTALLED IMMEDIATELY AFTER COMPLETION OF CORING, A MINIMUM OF 5" OF PORTLAND CEMENT CONCRETE SHOULD BE PLACED IN THE TEST HOLE...

- 2.4.6. PATCHING METHOD: 2.4.6.1. A TACK COAT SHALL BE APPLIED TO THE SIDES OF THE CORE HOLES. THE TACK COAT MAY CONSIST OF SS-1, SS-1H, CSS-1H, RS-1, CRS-1, EMULSIFIED ASPHALT OR RS-70 CUTBACK ASPHALT.

- 2.4.6.2. AN ASPHALTIC CONCRETE PATCH WITH A MINIMUM THICKNESS EQUAL TO THE ORIGINAL ASPHALTIC CONCRETE OR 3" WHICHEVER IS GREATER, SHOULD BE INSTALLED IN THE CORE HOLE...

- 2.4.6.3. THE ASPHALTIC CONCRETE MAY CONSIST OF HOT MIX PLACED AT A TEMPERATURE OF AT LEAST 280 DEGREES F, OR COLD MIX UTILIZING EMULSIFIED OR CUTBACK ASPHALT...

- 2.4.6.4. THE ASPHALTIC CONCRETE SHOULD MEET THE REQUIREMENTS OF THE STATE SPECIFICATIONS FOR ASPHALTIC CONCRETE. COURSE, AND SHOULD BE PROPERLY COMPACTED.

- 3. MARKING: MARK ALL PARKING BAYS, ARROWS, AND OTHER TRAFFIC MARKINGS INDICATED ON THE SITE PLAN. TRAFFIC YELLOW REFER TO SITE PLAN. PAINT PRODUCTS TO COMPLY WITH STATE HIGHWAY DEPARTMENT SPECIFICATIONS.

SECTION 2F: OPENING (SOON) (OPTIONAL)

GENERAL PROVISIONS

- SCOPE: FURNISH AND INSTALL WOOD POSTS AND INSTALL SIGN FURNISHED BY OWNER.

MATERIALS

- 1. OPENING "SOON" LOGO SIGN: SUPPLIED AND SHIPPED TO THE SITE BY THE OWNER. THE SIGN CONSIST OF TWO (2) 4' X 8' WOOD SHEETS.

- 2. NOTES: 2.1. PLANTING MATERIALS AND INSTALLATION SHALL BE PROVIDED UNDER SEPARATE CONTRACT BY THE OWNER.

SECTION 2G: LANDSCAPING

GENERAL PROVISIONS

- 1. SCOPE: FURNISH AND INSTALL TOPSOIL TO PROPER CONTOUR FOR FOLLOWING AREAS NOTED ON THE SITE PLAN TO BE LANDSCAPED.

- 2. NOTES: 2.1. PLANTING MATERIALS AND INSTALLATION SHALL BE PROVIDED UNDER SEPARATE CONTRACT BY THE OWNER.

MATERIALS

- 1. TOPSOIL: 6" MINIMUM TOPSOIL.

PERFORMANCE:

- THE TOPSOIL FILL SHALL BE PLACED AFTER THE COMPLETION OF ALL FOUNDATION AND SITE UTILITY WORK WHEN CONSTRUCTION IS NEARING COMPLETION. RAKE SMOOTH IN PREPARATION OF PLANT MATERIAL INSTALLATION, AND REMOVE ALL LUMPS AND TRASH. TOPSOIL SHALL BE BACKFILLED TO ALL PERIMETER CURBS, AND TO ANY PAVING. TOPSOIL SHALL BE PLACED IN THE OUTSIDE PLANTER.

- 2. NO MULCH SHALL BE USED WITHIN 5'-0" OF BUILDING ENVELOPE. USE VOLCANIC ROCK OR NON-FLAMMABLE MULCH WITHIN 5'-0". MULCH CAN BE USED OUTSIDE THIS DIMENSION.

DESCRIPTION: WITH THE BUILDING BEING ONE OF THE MOST ATTRACTIVE FACILITIES IN FAST FOOD INDUSTRY, THE LANDSCAPING DESIGN SHOULD APPRECIABLY ENHANCE THE APPEARANCE. TO ACCOMPLISH THE DESIRED "LOOK", THE DESIGN SHOULD INCLUDE VARIED COLORS, LINES, AND MATURE PLANTS.

1. GUIDELINES

- 1.1.1. ACTUAL COLOR OF ALL PLANTS AND GROUND COVER BEDS. 1.1.2. SCALING AS CLOSE AS POSSIBLE. 1.1.3. BUILDING ELEVATIONS SHOWING PLANTS AT TIME OF PLANTING.

- 1.2. PROPOSAL: 1.2.1. ITEMIZED LIST OF PLANTS, QUANTITY, SIZE, AND COST OF EACH. 1.2.2. QUANTITY OF SEED OR SOD (SQUARE FOOT) AND UNIT PRICE. 1.2.3. QUANTITY OF GROUND COVER, NAME, AND UNIT PRICE. 1.2.4. OTHER COMPONENTS LISTED AND UNIT PRICES. 1.2.5. LABOR AND TAXES SEPARATE.

1.3. CRITERIA:

- 1.3.1. PLANTS: 1.3.1.1. UNIFIED COLOR WITH CONTRASTING GROUND COVER. 1.3.1.2. 18"-24" MINIMUM SIZE OR, ON MANY TYPES, 6 GALLONS MINIMUM. 1.3.1.3. LARGER PLANTS EVEN IF SPACING ARE SLIGHTLY GREATER. 1.3.1.4. JUMPERS ONLY 18" "BLUE RUG". 1.3.1.5. LIMIT NUMBER TO ONE (1) OF EACH TYPE IN EACH SINGLE BED CREATING A NEATER LOOK.

- 1.3.1.6. HARDY PLANTS ONLY. 1.3.2. DISEASE RESISTANT ONLY. 1.3.2.1. LOCATION ONLY WHERE BUILDING WILL NOT ULTIMATELY BE BLOCKED (I.E. AT CORNERS OF LOT). 1.3.2.2. NO FRUIT BEARING SPECIES.

- 1.3.2.3. FLOWERS: 1.3.2.3.1. USE OF SEASONAL AND PERENNIALS TO MAXIMIZE COLOR THROUGHOUT THE YEAR. 1.3.2.3.2. AS REQUIRED BY CITY OR MUNICIPALITY. 1.3.2.3.3. GRASS (SEED): 1.3.2.3.4. TURF TYPE FESCUE PREFERRED (WITH IRRIGATION SYSTEM). 1.3.2.3.5. APPLY WHEN "LOOK" CAN BE ATTAINED BY WATERING BY IRRIGATION SYSTEM (I.E. SPRING AND FALL).

- 1.3.2.3.6. LOCATION MOST OFTEN ALONG STREET RIGHT OF WAYS GRASS SHOULD EXTEND TO CURB. 1.3.5. GRASS (SOD): 1.3.5.1. USE SPARINGLY DUE TO COST AND DUE TO OUR INTENT TO INSTALL IRRIGATION SYSTEM TO INSTALL IRRIGATION SYSTEM TO MAINTAIN THE GRASS DURING SEASON OF YEAR MAY DICTATE USE.

- 1.3.5.2. EROSION: 1.3.5.2.1. USE STRAW OR NETS AS REQUIRED TO PREVENT EROSION AND PROMOTE SEEDING.

- 1.3.7. GROUND COVER: 1.3.7.1. REQUIRES FABRIC TO PREVENT WEEDS. 1.3.7.2. MULCH MAY BE MORE PRACTICAL IN CERTAIN MARKETS.

- 1.3.8. OTHER: 1.3.8.1. COMPONENTS LIKE BEAM, STACKING STONE, RAILROAD TIE WALLS MAY BE USED FOR VARIATION BUT SHOULD NOT BE EXTENSIVE DUE TO COST.

- 1.3.8.2. THE GENERAL CONTRACTOR SHALL BE RESPONSIVE FOR FURNISHING TOPSOIL, HOWEVER, IT'S ENCOURAGED THAT THE CONTACTS YOU FOR AN ACCEPTABLE SOURCE AS WELL AS THE ACTUAL SPREADING, MANY TIMES THERE IS A CONFUSION IF YOU FURNISH AND SPREAD TO YOUR WEEDS AND THE GENERAL CONTRACTOR PAYS YOU DIRECTLY.

- 1.3.9. IRRIGATION SYSTEM: 1.3.9.1. REQUIREMENT: AUTOMATIC PRESET, MANUAL OPERATIONAL (RANDED) SYSTEM. 1.3.9.2. WATERING SCHEDULE: PREWRITTEN SCHEDULE AND PLANTS SHALL BE DESIGNED TO TAKE CARE OF THE PLANTS AT THE TIME OF THE TURNOVER AND THROUGH REVIEW THE WATERING REQUIREMENTS TO BE PROVIDED TO THE MANAGER AND THE DISTRICT MANAGER. AT THE SAME TIME, REQUIRED SLEEVES UNDERNEATH THE PARKING LOT SHALL BE THE RESPONSIBILITY OF THE LANDSCAPING IRRIGATION (I.I.) FOR THE PROJECT.

- 1.3.9.3. AN APPROXIMATELY 1/2" DEPTH OF LOCAL CODES SHALL BE THE RESPONSIBILITY OF THE I.I.

- 2. CONTRACTOR SHALL FURNISH AND INSTALL SEPARATE WATER METER AND IRRIGATION SYSTEM.

- 2.1. INCLUDING COSTS OPENING ALONG WITH THE NORMAL ONE YEAR WARRANTY.

- 2.2. BUDGET: 2.2.1.1. NORMAL SITES WE WILL EXPECT A VERY ATTRACTIVE LANDSCAPE DESIGN FOR \$10.00-\$13.00.

WINTER CONSTRUCTION GUIDELINES:

- UPON NOTIFICATION OF POSSIBLE OPENING DURING THE WINTER MONTHS, STEPS SHOULD BE TAKEN TO PROVIDE AS MUCH LANDSCAPING AS POSSIBLE. LOCATION OF THE STORE IS VERY CRITICAL. UNITS LOCATED FURTHER NORTH WILL HAVE TO BE IDENTIFIED AS EARLY AS POSSIBLE TO AS EARLY AS POSSIBLE TO DETERMINE THE FOLLOWING.

- 3.1. POSSIBLE WINTER LANDSCAPE ALTERNATIVE(S): 3.1.1. PURCHASING PLANTS FROM MORE TEMPERATE CLIMATE ZONES. 3.1.2. HARDENING OF SELECTED PLANTS PRIOR TO PLANTING. 3.1.3. LOCATION OF AVAILABLE SOD FIELDS. 3.1.4. CLOSE MONITORING & COMMUNICATIONS W/ JOB SUPERINTENDENT TO MORE FULLY UTILIZE IDEAL PLANTING TOPSOIL.

- 3.1.5. AVAILABILITY OF CLEAN, UNFROZEN TOPSOIL. 3.1.6. CONTROLLED USAGE OF PERENNIALS VERSUS ANNUALS, V.I. ANTICIPATED PLANT LOSS DUE TO ENVIRONMENTAL SHOCK. 3.1.7. POSSIBLE STORING OF PLANTS AND MATERIALS DUE TO AVAILABILITY.

- 3.1.8. INSTALLATION OF IRRIGATION SYSTEM AS EARLY AS POSSIBLE. 3.2. USAGE OF AVAILABLE GROUND COVER SHOULD BE USED AS MUCH AS POSSIBLE TO PREVENT OUR RESTAURANTS FROM LOOKING "BARREN" AND "STILL UNDER CONSTRUCTION". POSSIBLE EXAMPLES WOULD BE, BUT NOT LIMITED TO, USE OF:

- 3.2.1. STRAW. 3.2.2. MULCH (RED DYED). 3.2.3. FABRIC (WEED BARRIER). 3.2.4. PLANTS (PRESENTLY DORMANT). 3.2.5. STONE (RIVER ROCK).

- NOTE: EVERY ATTEMPT SHOULD BE MADE TO COMPLETE AS MUCH OF THE LANDSCAPING PROCESS AS POSSIBLE.

- 3.3. SOMETIMES EVEN THE BEST PLAN FAILS DETAILED PLANNING HAS BEEN INCORPORATE. IF CREATIVE RESOURCES AND POSITIVE COMMUNICATIONS HAVE EXHAUSTED ALL AVAILABLE ALTERNATIVES, EFFORTS SHOULD THEN BE PLACED ON REHABILITATING THE SITES PREPARED IN INCLEMENT WEATHER DURING THE SPRING.

4. SITE/CIVIL ENGINEERING DESIGN STANDARDS: (ARCHITECT TO VERIFY)

4.1. GREASE WASTE

- 4.1.1. 4" MIN. PIPE. 4.1.2. MIN. 1500 GALLON GREASE INTERCEPTOR, TYP. (VERIFY WITH LOCAL HEALTH DEPARTMENT.) TO BE TRAFFIC-RATED WITH LOCKABLE COVER. 4.1.3. MINIMUM COVER ABOVE INVERT AT INTERCEPTOR IS 3'-0". 4.1.4. "OUT" INVERT OF INTERCEPTOR IS 2' BELOW "IN" INVERT. 4.1.5. CLEAN OUTS AT ALL BENDS IN LINE. 4.1.6. FROST PROTECTION REQUIRE 3' MIN. COVER. 4.1.7. MINIMUM GRADE 1/4"1'-0" (020871).

4.2. SANITARY

- 4.2.1. 4" PIPE FROM BUILDING. 4.2.2. CONNECTION TO 4" GREASE WASTE AFTER INTERCEPTOR. (5' MIN. FOR COMBINED SANITARY TO DISCHARGE, EXCEPT 6" V.C.P. WHEN EXISTING IS V.C.P.). 4.2.3. SANITARY M.H. @ 300' F. SPACING (MAXIMUM). 4.2.4. MINIMUM PIPE GRADES: 4" = 2.08% (02089)

- 5" = 1.04% (0104) 6" = 0.52% (0052) 8" = 0.40% (0040)

4.3. GRADING

- 4.3.1. ALL ELEVATIONS TO NEAREST 1". 4.3.2. MAXIMUM DRIVE GRADE 6.0% (06). 4.3.3. MINIMUM DRIVE GRADE 1.0' (01). 4.3.4. MAXIMUM ALGEBRAIC CHANGE IN GRADES 7%.

- 4.3.5. MAXIMUM DRIVE ENTER/EXIT GRADE 7%. 4.3.6. 6" DROP TOP CURB TO FINISHED PAVEMENT (6" FOR BARRIER CURB). 4.3.7. 6" DROP SIDEWALK TO FINISHED PAVEMENT. 4.3.8. FINISH FLOOR 0.5' MIN. ABOVE CENTERLINE OF STREET (IF POSSIBLE).

- 4.3.9. MAX. SIDEWALK SLOPE 1/4"1'-1" (020871)

- 4.3.10. SHOW FINISHED CONTOURS. 4.3.11. GRADES TO BE ADA-COMPLIANT AT APPLICABLE LOCATIONS.

4.4. DRAINAGE

- 4.4.1. MINIMUM 12" C.M.P. 4.4.2. MAXIMUM DRAINAGE AREA PER CATCH BASIN 1000 SQ.FT. (OR AS PER ZONING). 4.4.3. DESIGN VELOCITY = 2.5' F.P.S. (ADJUSTABLE RANGE FROM 2.5 TO 5' F.P.S.). 4.4.4. DO NOT POND WATER IN PARKING AREAS (POND IN AREAS IF NECESSARY).

- 4.4.5. MINIMUM SLOPE FOR PIPES. 4.4.6. MATCH DOWN ELEVATION OF PIPES TO STRUCTURES. 4.4.7. DESIGN STORM 10 YEAR (DURATION UNLESS LOCAL REQUIREMENTS ARE MORE STRINGENT).

4.5. SEPTIC SYSTEM</