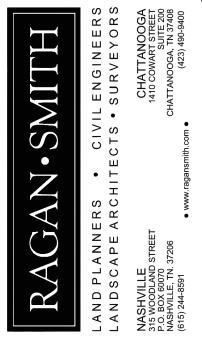
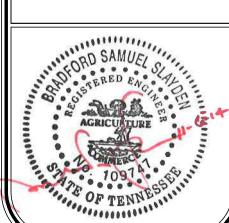
SITE PLANS FOR

FORREST CROSSING, SITE PLAN - YMCA PARKING ADDITION

YMCA OF MIDDLE TENNESSEE





YMCA

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CIVIL

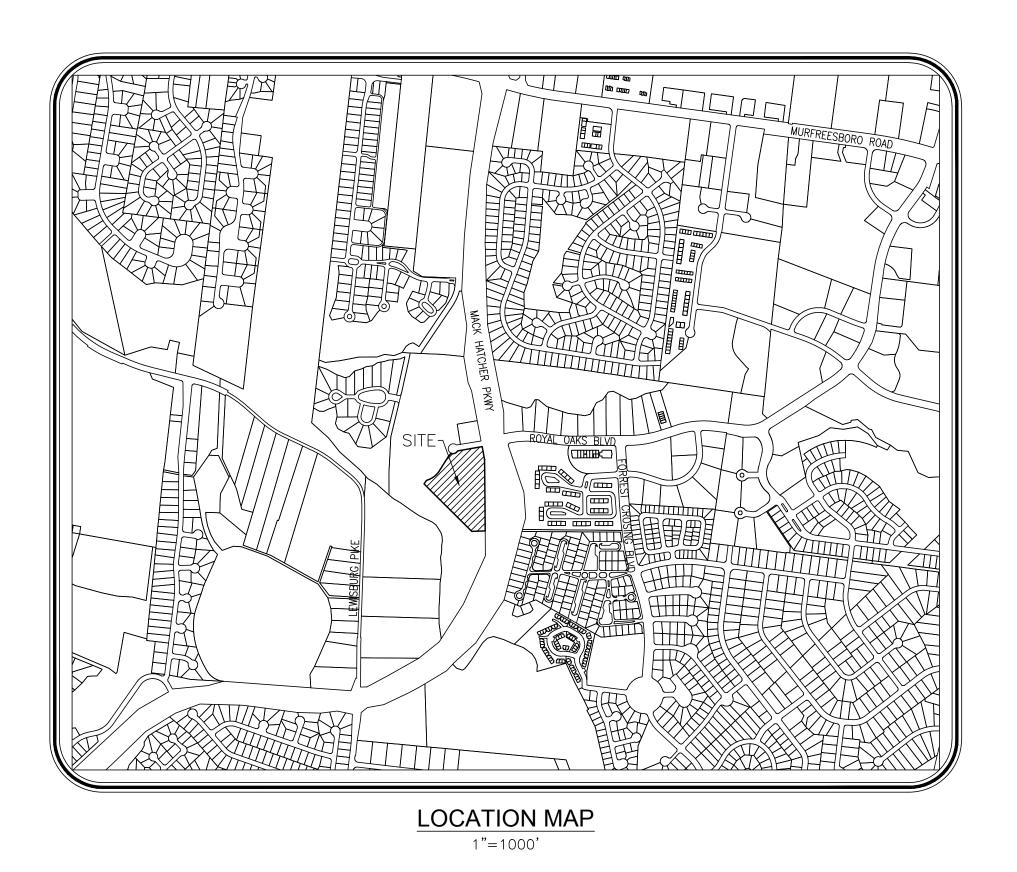
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CVR

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9th CIVIL DISTRICT CITY OF FRANKLIN, WILLIAMSON COUNTY, **TENNESSEE**



COF PROJECT #4658

SITE GENERAL NOTES

- 1. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES IN THE PROXIMITY OF THE CONSTRUCTION AREA AND REPORT ANY DISCREPANCIES TO THE OWNER'S REPRESENTATIVE PRIOR TO BEGINNING WORK
- 2. THE CONTRACTOR SHALL CONFORM TO ALL LOCAL, STATE AND FEDERAL CODES AND OBTAIN ALL PERMITS PRIOR TO BEGINNING WORK.

 3. THE CONTRACTOR SHALL CHECK ALL FINISHED GRADES AND DIMENSIONS AND DESCRIPTION AND DE
- REPORT ANY DISCREPANCIES TO THE OWNER'S REPRESENTATIVE PRIOR TO BEGINNING WORK.

 4. DIMENSIONS ARE TO THE FACE OF CURB, EDGE OF CONCRETE AND FACE OF
- BUILDING UNLESS NOTED OTHERWISE.

 5. PROPOSED BUILDING FOOTPRINT IS FOR GRAPHIC PURPOSES ONLY.
 CONTRACTOR SHALL USE THE CURRENT ARCHITECTURAL DRAWINGS FOR
- BUILDING STAKEOUT AND VERIFY THAT THERE ARE NO DISCREPANCIES WITH THESE PLANS.

 6. ALL TRAFFIC MARKINGS SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICE (MUTCD). ALL PAVEMENT MARKING SHALL BE
- REPRESENTATIVE.

 7. ALL HANDICAP RAMPS, PARKING SPACES AND ACCESSIBLE ROUTES SHALL COMPLY WITH THE CURRENT ADA REQUIREMENTS.

THERMOPLASTIC UNLESS DIRECTED OTHERWISE BY THE OWNER'S

8. EXTERIOR DOOR LANDINGS SHALL BE PROVIDED PER THE LOCAL BUILDING CODE. CONTRACTOR SHALL COORDINATE DOOR LOCATIONS AND ADJACENT SIDEWALK/LANDING GRADES WITH THESE PLANS AND REPORT ANY DISCREPANCIES TO THE OWNER'S REPRESENTATIVE.

SITE CONSTRUCTION NOTES

- 1. THE NECESSARY PERMITS FOR THE WORK SHOWN ON THESE SITE DEVELOPMENT PLANS WILL BE OBTAINED BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF ANY WORK ON THIS PROJECT. THE CONTRACTOR SHALL GIVE ALL NECESSARY NOTICES AND OBTAIN ALL PERMITS AND PAY ALL FEES INVOLVED IN SECURING SAID PERMITS. HE SHALL ALSO COMPLY WITH ALL CITY, COUNTY AND STATE BUILDING LAWS, ORDINANCES OR REGULATIONS RELATING TO THE CONSTRUCTION OF THE PROJECT.
- 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR AND SHALL BEAR ALL EXPENSES OF FIELD STAKING NECESSARY FOR SITE AND BUILDING LAYOUT. ALL LAYOUT SHALL BE PERFORMED IN ACCORDANCE WITH THE SITE LAYOUT
- 3. THE LOCATION OF EXISTING PIPING AND UNDERGROUND UTILITIES, SUCH AS WATER AND GAS LINES, ELECTRICAL AND TELEPHONE CONDUITS, ETC., AS SHOWN ON THIS PORTION OF THE PLANS HAVE BEEN DETERMINED FROM THE BEST AVAILABLE INFORMATION BY ACTUAL SURVEYS, OR TAKEN FROM THE RECORDS AND DRAWINGS OF THE EXISTING UTILITIES. HOWEVER, THE CIVIL ENGINEER DOES NOT ASSUME RESPONSIBILITY THAT, DURING CONSTRUCTION, THE POSSIBILITY OF UTILITIES OTHER THAN THOSE SHOWN MAY BE ENCOUNTERED OR THAT ACTUAL LOCATION OF THOSE SHOWN MAY VARY SOMEWHAT FROM THE LOCATION DESIGNATED ON THIS PORTION OF THE PLANS. IN AREAS WHERE IT IS NECESSARY THAT THE EXACT LOCATIONS OF UNDERGROUND LINES BE KNOWN, THE CONTRACTOR SHALL AT THIS OWN EXPENSE, FURNISH ALL LABOR AND TOOLS TO EITHER VERIFY AND SUBSTANTIATE OR DEFINITIVELY ESTABLISH THE LOCATION OF THE LINES 4. THE CONTRACTOR MUST UNDERSTAND THAT THE WORK IS ENTIRELY AT HIS RISK UNTIL SAME IS ACCEPTED AND HE WILL BE HELD RESPONSIBLE FOR ITS SAFETY BY THE OWNER. THEREFORE. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL NECESSARY TEMPORARY WORKS FOR THE PROTECTION OF THE WORK. INCLUDING BARRICADES. WARNING SIGNS. AND LIGHTS.
- 5. THE SITE DEVELOPMENT PORTION OF THIS PROJECT WILL BE SUBJECT TO THE INSPECTION AND FINAL APPROVAL OF THE LOCAL PLANNING, CODES, WATER AND SEWER DEPARTMENTS (AND/OR UTILITY DISTRICTS), ENGINEERING/PUBLIC WORKS DEPARTMENTS AND FIRE MARSHAL'S OFFICE.
- 6. IF, DURING THE CONSTRUCTION OF THE SITE DEVELOPMENT PORTION OF THIS PROJECT, A QUESTION OF INTENT OR CLARITY ARISES FROM EITHER THE PLANS OR SPECIFICATIONS, THE CONTRACTOR WILL IMMEDIATELY BRING THE MATTER TO THE ATTENTION OF THE CIVIL ENGINEER OR OWNER'S REPRESENTATIVE FOR RESOLUTION BEFORE THE AFFECTED WORK ITEMS ARE INITIATED OR PURSUED FURTHER.
- 7. THE CONTRACTOR WILL EXERCISE EXTREME CAUTION IN THE USE OF EQUIPMENT IN AND AROUND OVERHEAD AND/OR UNDERGROUND POWER LINES. IF AT ANY TIME IN THE PURSUIT OF THIS WORK THE CONTRACTOR MUST WORK IN CLOSE PROXIMITY OF THE ABOVE—NOTED LINES, THE ELECTRIC AND/OR TELEPHONE COMPANIES SHALL BE CONTACTED PRIOR TO SUCH WORK AND THE PROPER SAFETY MEASURES TAKEN. THE CONTRACTOR SHOULD MAKE A THOROUGH EXAMINATION OF THE OVERHEAD LINES IN THE
- PROJECT AREA PRIOR TO THE INITIATION OF CONSTRUCTION.

 8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE DONE TO THE PREMISES OR ADJACENT PREMISES, OR INJURIES TO THE PUBLIC DURING THE CONSTRUCTION OF THE WORK, CAUSED BY HIMSELF, HIS SUBCONTRACTORS, OR THE CARELESSNESS OF ANY OF HIS EMPLOYEES.

DEMOLITION NOTES

- 1. THE CONTRACTOR WILL BE REQUIRED TO REMOVE ALL EXCAVATED MATERIALS AND SUCH ITEMS SHALL BECOME THE PROPERTY OF THE CONTRACTOR. ALL ITEMS SHALL BE PROPERLY DISPOSED OF AT AN OFF—SITE LOCATION. THE CONTRACTOR SHALL OUTLINE ANY AND ALL POSSIBLE HAUL ROUTES AND SHALL BE PREPARED TO SUBMIT SUCH TO THE LOCAL JURISDICTION PUBLIC WORKS DEPARTMENT, THE CIVIL ENGINEER AND OTHER AUTHORITIES FOR
- 2. IF, AT ANY TIME, PRIOR TO OR DURING THE DEMOLITION WORK, HAZARDOUS MATERIAL IS ENCOUNTERED, THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE AND APPROPRIATE GOVERNMENTAL AGENCY.
- 3. THE CONTRACTOR SHALL NOTIFY ADJACENT OWNERS OF WORK THAT MAY AFFECT THEIR PROPERTY, POTENTIAL NOISE, UTILITY OUTAGE OR DISRUPTION. SUCH OPERATIONS SHALL BE CONDUCTED BY THE CONTRACTOR WITH MINIMUM INTERFERENCE TO ADJACENT OWNERS. ADJACENT EGRESS AND ACCESS SHALL BE PROPERLY MAINTAINED AT ALL TIMES. DO NOT CLOSE OR OBSTRUCT ANY ROADWAYS, PARKING OR SIDEWALKS WITHOUT PERMISSION FROM THE ADJACENT OWNERS OR THE LOCAL JURISDICTION PUBLIC WORKS DEPARTMENT.
- 4. PRIOR TO THE COMMENCEMENT OF DEMOLITION/GRADING OPERATIONS, ALL OVERHEAD AND UNDERGROUND UTILITIES SHALL BE LOCATED. ALL REMOVAL AND/OR RELOCATION OF UTILITIES SHALL BE COORDINATED WITH THE RESPECTIVE UTILITY COMPANIES.
- 5. THE CONTRACTOR WILL PROVIDE ALL NECESSARY PROTECTIVE MEASURES TO SAFEGUARD EXISTING UTILITIES FROM DAMAGE DURING CONSTRUCTION OF THIS PROJECT. IN THE EVENT THAT SPECIAL EQUIPMENT IS REQUIRED TO WORK OVER OR AROUND THE UTILITIES, THE CONTRACTOR WILL BE REQUIRED TO FURNISH SUCH EQUIPMENT AT NO ADDITIONAL COST TO OWNER.
- 6. THE CONTRACTOR WILL BE SOLELY RESPONSIBLE FOR CONTACTING ALL AFFECTED UTILITIES PRIOR TO SUBMITTING HIS BID TO DETERMINE THE EXTENT TO WHICH UTILITY DISCONNECTIONS AND/OR ADJUSTMENTS WILL HAVE UPON THE SCHEDULE OF THE WORK FOR THE PROJECT. SOME UTILITY FACILITIES MAY NEED TO BE ADJUSTED CONCURRENTLY WITH THE CONTRACTOR'S OPERATIONS, WHILE SOME WORK MAY BE REQUIRED 'AROUND' UTILITY FACILITIES THAT WILL REMAIN IN PLACE. IT IS UNDERSTOOD AND AGREED THAT THE CONTRACTOR WILL RECEIVE NO ADDITIONAL COMPENSATION FOR DELAYS OR INCONVENIENCE CAUSED BY THE UTILITY ADJUSTMENT.

EROSION PREVENTION AND SEDIMENT CONTROLS

- DESIGN, INSPECTION, AND MAINTENANCE OF BMPS DESCRIBED AND SHOWN ON THESE PLANS SHALL BE CONSISTENT OR EXCEED RECOMMENDATIONS CONTAINED IN THE CURRENT EDITION OF TDEC'S TENNESSEE EROSION CONTROL HANDBOOK.
- 1. ALL CONTROL MEASURES MUST BE PROPERLY INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS, TDEC AND LOCAL STANDARDS.
- 2. BMP CAPACITY [SEDIMENT TRAPS, SILT FENCES, SEDIMENTATION PONDS, AND OTHER SEDIMENT CONTROL] SHALL NOT BE REDUCED BY MORE THAN 50% AT ANY GIVEN TIME. IF PERIODIC INSPECTIONS OR OTHER INFORMATION INDICATES A CONTROL HAS BEEN USED INAPPROPRIATELY OR INCORRECTLY, THE CONTRACTOR MUST REPLACE OR MODIFY THE CONTROL FOR RELEVANT SITE SITUATIONS.
- 3. WHERE PERMANENT OR TEMPORARY VEGETATION COVER IS USED AS A CONTROL MEASURE, THE TIMING OF THE PLANTING IS CRITICAL. PLANNING FOR PLANTING OF VEGETATION COVER DURING WINTER OR DRY MONTHS SHOULD BE AVOIDED.
- 4. IF SEDIMENT ESCAPES THE PERMITTED AREA, OFF—SITE ACCUMULATIONS OF SEDIMENT THAT HAVE NOT REACHED A STREAM MUST BE REMOVED AT A FREQUENCY SUFFICIENT TO MINIMIZE OFFSITE IMPACTS. THE CONTRACTOR SHALL NOT INITIATE REMEDIATION/RESTORATION OF A STREAM WITHOUT CONSULTING THE DIVISION FIRST. THE NOI GENERAL PERMIT DOES NOT AUTHORIZE ACCESS TO PRIVATE PROPERTY. ARRANGEMENTS CONCERNING REMOVAL OF SEDIMENT ON ADJOINING PROPERTY MUST BE SETTLED BY THE CONTRACTOR AND ADJOINING LANDOWNER.
- 5. LITTER, CONSTRUCTION DEBRIS, AND CONSTRUCTION CHEMICALS EXPOSED TO STORM WATER SHALL BE PICKED UP PRIOR TO ANTICIPATED STORM EVENTS OR BEFORE BEING CARRIED OFF OF THE SITE BY WIND OR OTHERWISE PREVENTED FROM BECOMING A POLLUTANT SOURCE FOR STORM WATER DISCHARGES. AFTER USE, MATERIALS USED FOR EPSC SHOULD BE REMOVED OR OTHERWISE PREVENTED FROM BECOMING A POLLUTANT SOURCE FOR STORM WATER DISCHARGE.
- ERODIBLE MATERIAL STORAGE AREAS (INCLUDING OVERBURDEN AND STOCKPILES OF SOIL) AND BORROW PITS ARE CONSIDERED PART OF THE SITE AND SHOULD BE ADDRESSED WITH APPROPRIATE BMP'S ACCORDINGLY.
 PRE-CONSTRUCTION VEGETATIVE GROUND COVER SHALL NOT BE DESTROYED, REMOVED, OR DISTURBED MORE THAN 15 DAYS PRIOR TO GRADING OR EARTH MOVING UNLESS THE AREA IS STABILIZED. CONTRACTOR SHALL SEQUENCE EVENTS TO MINIMIZE THE EXPOSURE TIME OF GRADED OR DENUDED AREAS. CLEARING AND GRUBBING SHALL BE HELD TO THE MINIMUM NECESSARY FOR GRADING AND EQUIPMENT OPERATION. EXISTING VEGETATION AT THE SITE SHOULD BE PRESERVED TO THE MAXIMUM EXTENT PRACTICABLE.
- 8. EPSC MEASURES MUST BE IN PLACE AND FUNCTIONAL BEFORE MOVING OPERATIONS BEGIN AND MUST BE CONSTRUCTED AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD. TEMPORARY MEASURES MAY BE REMOVED AT THE BEGINNING OF THE WORKADAY, BUT MUST BE REPLACED AT THE END OF THE WORKDAY.
- 9. THE FOLLOWING RECORDS SHALL BE MAINTAINED ON OR NEAR SITE: THE DATES WHEN MAJOR GRADING ACTIVITIES OCCUR; THE DATES WHEN CONSTRUCTION ACTIVITIES TEMPORARILY OR PERMANENTLY CEASE OR A PORTION OF THE SITE; THE DATES WHEN STABILIZATION MEASURES ARE INITIATED; INSPECTION RECORDS AND RAINFALL RECORDS. CONTRACTOR SHALL MAINTAIN A RAIN GAUGE AND DAILY RAINFALL RECORDS AT THE SITE, OR USE A REFERENCE SITE FOR A RECORD OF DAILY AMOUNT OF PRECIPITATION.
- 10.A COPY OF THE SWPPP SHALL BE RETAINED ON—SITE AND SHOULD BE ACCESSIBLE TO THE DIRECTOR AND THE PUBLIC. ONCE SITE IS INACTIVE OR DOES NOT HAVE AN ONSITE LOCATION ADEQUATE TO STORE THE SWPPP, THE LOCATION OF THE SWPPP, ALONG WITH A CONTACT PHONE NUMBER, SHALL BE POSTED ON—SITE. IF THE SWPPP IS LOCATED OFF—SITE, REASONABLE LOCAL ACCESS TO THE PLAN, DURING NORMAL WORKING HOURS, MUST BE PROVIDED.
- 11.0FF—SITE VEHICLE TRACKING OF SEDIMENTS AND THE GENERATION OF DUST SHALL BE MINIMIZED. A STABILIZED CONSTRUCTION ACCESS (A POINT OF ENTRANCE/EXIT TO A CONSTRUCTION SITE) SHALL BE CONSTRUCTED AS NEEDED TO REDUCE THE TRACKING OF MUD AND DIRT ONTO PUBLIC ROADS BY CONSTRUCTION VEHICLES.
- 12.INSPECTIONS MUST BE PERFORMED AT LEAST TWICE EVERY CALENDAR WEEK. INSPECTIONS SHALL BE PERFORMED AT LEAST 72 HOURS APART. WHERE SITES OR PORTIONS OF CONSTRUCTION SITES HAVE BEEN TEMPORARILY STABILIZED, OR RUNOFF IS UNLIKELY DUE TO WINTER CONDITIONS OR DUE TO EXTREME DROUGHT, SUCH INSPECTION HAS TO BE CONDUCTED ONCE PER MONTH UNTIL THAWING OR PRECIPITATION RESULTS IN RUNOFF OR CONSTRUCTION ACTIVITIES RESUMES. INSPECTION REQUIREMENT DO NOT APPLY TO DEFINABLE AREAS THAT HAVE BEEN FINALLY STABILIZED, AS DESIGNED BY THE ENGINEER. WRITTEN NOTIFICATION OF THE INTENT TO CHANGE THE INSPECTION FREQUENCY AND THE JUSTIFICATION FOR SUCH REQUEST MUST BE SUBMITTED TO THE LOCAL ENVIRONMENTAL FIELD OFFICE, OR THE DIVISION'S NASHVILLE CENTRAL OFFICE FOR PROJECTS OF TDOT OR TVA. SHOULD THE DIVISION DISCOVER THAT MONTHLY INSPECTION OF THE DIVISION DISCOVER THAT MONTHLY INSPECTIONS OF THE SITE ARE NOT APPROPRIATE DUE TO INSUFFICIENT STABILIZATION MEASURES OR OTHERWISE, TWICE WEEKLY INSPECTIONS SHALL RESUME. THE DIVISION MAY INSPECT THE SITE TO CONFIRM OR DENY THE NOTIFICATION TO CONDUCT MONTHLY INSPECTIONS.
- 13.INSPECTORS PERFORMING THE REQUIRED TWICE WEEKLY INSPECTIONS MUST HAVE AN ACTIVE CERTIFICATION AND A RECORD OF CERTIFICATION MUST BE KEPT ON SITE. BASED ON THE RESULTS OF THE INSPECTION, ANY INADEQUATE CONTROL MEASURES OR CONTROL MEASURES IN DESPAIR SHALL BE REPLACED OR MODIFIED, OR REPAIRED AS NECESSARY, BEFORE THE NEXT RAIN EVENT, BUT IN NO CASE MORE THAN 7 DAYS AFTER THE
- NEED IDENTIFIED.

 14.OUTFALL POINTS SHALL BE INSPECTED TO DETERMINE WHETHER EPSC MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATERS. WHERE DISCHARGE LOCATIONS ARE INACCESSIBLE, NEARBY DOWNSTREAM LOCATIONS SHALL BE INSPECTED. LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE SHALL BE INSPECTED FOR EVIDENCE OF OFFSITE SEDIMENT TRACKING.

TREE PROTECTION NOTES

- 1. ANY REQUIRED EXCAVATION IN OR AROUND THE PROTECTION ZONE TO ACCOMMODATE UNDERGROUND SERVICES, FOOTINGS, ETC., SHALL BE INDICATED ON THE PLAN, AND SHALL BE EXCAVATED BY HAND. IN ADDITION, RELATED ROOT PRUNING SHALL BE ACCOMPLISHED BY A CERTIFIED ARBORIST VIA ANSI A—300—95 STANDARD SO AS TO MINIMIZE IMPACT OF
- THE GENERAL ROOT SYSTEM.

 2. THE STORAGE OF BUILDING MATERIALS OR STOCKPILING SHALL NOT BE PERMITTED WITHIN THE LIMITS OF OR AGAINST THE PROTECTION BARRIERS.
- 3. TREES WITHIN THE PROTECTION BARRIERS MUST BE ADEQUATELY CARED FOR THROUGHOUT THE CONSTRUCTION PROCESS (I.E., THEY MUST BE WATERED SUFFICIENTLY, PARTICULARLY IF THE TREE'S ROOT SYSTEM HAS BEEN DISTURBED BY EXCAVATION). FILL SHALL NOT BE PLACED UPON THE ROOT SYSTEM IN SUCH A MANNER AS TO ENDANGER THE HEALTH OR LIFE OF THE
- 4. TREE PROTECTION BARRIER SHALL BE CONSTRUCTED PRIOR TO THE ISSUANCE OF ANY PERMITS AND SHALL REMAIN INTACT THROUGHOUT THE ENTIRE PERIOD OF CONSTRUCTION.

SITE GRADING & STORM DRAINAGE NOTES

LINE OF EXISTING TREES TO REMAIN.

EROSION CONTROL SEDIMENT BARRIERS AND TREE PROTECTION BARRIER SHALL BE INSTALLED PRIOR BEGINNING SITE WORK.

- 1. NO HEAVY EQUIPMENT SHALL CROSS OR BE STORED OUTSIDE THE LIMITS OF CONSTRUCTION, WITHIN TREE PROTECTIONS ZONES, OR UNDER THE DRIP
- 2. TOPSOIL STRIPPED FROM AREAS TO BE GRADED SHALL BE STOCKPILED ON SITE IN A LOCATION APPROVED BY THE OWNER'S REPRESENTATIVE. DRAINAGE SHALL BE ROUTED AROUND STOCKPILE LOCATIONS FOR THE DURATION OF GRADING OPERATIONS. EROSION CONTROL MEASURES SHALL BE INSTALLED TO PREVENT LOSS OF TOPSOIL MATERIAL.
- 3. PRIOR TO BEGINNING CONSTRUCTION, CONTRACTOR SHALL REVIEW GEOTECHNICAL REPORT.
- 4. ALL CUT AND FILL SHALL BE PERFORMED UNDER THE DIRECTION/OBSERVATION OF THE GEOTECHNICAL ENGINEER.
- 5. THE SUITABLITY OF SOILS FOR FILL MATERIAL SHALL BE DETERMINED BY THE GEOTECHNICAL ENGINEER.
- 6. UNLESS DIRECTED OTHERWISE BY GEOTECHNICAL ENGINEER, ALL FILL AREAS SHALL BE RAISED IN LIFTS NOT EXCEEDING 8" IN THICKNESS. THE RELATIVE COMPACTION OF EACH LAYER SHALL NOT BE LESS THAN 95% OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY (ASTM D-698) IN ALL AREAS OF FILL WITHIN OPEN AREAS AND 98% OF SAME SPECIFICATION FOR AREAS UNDER ROADS, PARKING, SIDEWALKS, BUILDING SLABS, AND FOUNDATIONS.
- 7. ALL GRADING SHALL BE COMPLETED TO THE GRADES INDICATED WITHIN THESE PLANS. FINAL GRADES SHALL PROVIDE PROPER DRAINAGE AND PREVENT STANDING WATER.
- 8. ALL STORM DRAINAGE CASTINGS TO BE JOHN BOUCHARD & SONS CO. OR APPROVED EQUAL, UNLESS OTHERWISE NOTED.
- 9. ALL STORM DRAINAGE PIPES TO BE RCP, CLASS III, UNLESS OTHERWISE NOTED.
- 10.INSTALLATION OF PIPE MATERIAL SHALL BE PLACED WITH A SCREEN STONE ENVELOPE AND WHEN UNDER PAVEMENT ENTIRE TRENCH TO BE BACKFILLED WITH SCREEN STONE TO SUBGRADE. SIZE OF STONE, ENVELOPES, AND TRENCHES TO BE SPECIFIED BY MUNICIPALITIES FOR PUBLIC LINES AND PRIVATE LINES TO ADHERE TO COMMON PRACTICES FOR INSTALLATION REQUIREMENTS.

SITE UTILITY NOTES

REQUIREMENTS.

- 1. ALL MATERIALS AND WORKMANSHIP FOR UTILITY LINES AND APPURTENANCES SHALL BE IN STRICT COMPLIANCE WITH THE GOVERNING UTILITY COMPANY AND LOCAL CODES. PRIOR TO CONSTRUCTION CONTRACTOR SHALL NOTIFY UTILITY COMPANY. (SEE UTILITY CONTACT INFORMATION)
- 2. CONTRACTOR SHALL COORDINATE SITE ELECTRICAL, GAS, TELEPHONE, AND CABLE WITH THE RESPECTIVE UTILITY COMPANY FOR SERVICE LAYOUT AND DESIGN INFORMATION. ANY PROPOSED LAYOUT OF THESE UTILITIES DEPICTED ON THESE DRAWINGS IS GRAPHICAL ONLY AND NOT INTENDED TO
- REPRESENT DESIGN OF THESE UTILITIES.

 3. PRIOR TO COMMENCEMENT OF CONSTRUCTION, CONTRACTOR SHALL OBTAIN ALL PERMITS AND PAY ANY REQUIRED TAP AND CONNECTION FEES.
- 4. ALL TRENCHING, PIPE LAYING AND BACKFILLING SHALL BE IN ACCORDANCE WITH FEDERAL OSHA REGULATIONS.
- 5. SITE CONTRACTOR SHALL CONSTRUCT ALL UTILITY SERVICES TO WITHIN 5' OF BUILDING.6. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE SEQUENCING
- OF CONSTRUCTION FOR ALL UTILITY LINES TO AVOID CONFLICTS.

 7. CONTRACTOR SHALL COORDINATE SIZE AND LOCATION OF WATER, SEWER AND STORMWATER CONNECTIONS TO THE BUILDING AS DEPICTED ON THE BUILDING MECHANICAL PLANS AND THE SITE UTILITY PLAN AND NOTIFY THE ENGINEER OR OWNER'S REPRESENTATIVE OF ANY DISCREPANCIES.
- 8. WATER SERVICES LINES ¼" 3" SHALL BE TYPE-K COPPER AND 4" OR LARGER SHALL BE DUCTILE IRON PIPE CLASS 52 UNLESS OTHERWISE REQUIRED BY UTILITY COMPANY.
- 9. FIRE LINE INSTALLATION AND THRUST BLOCKING LOCATION AND SIZING SHALL BE PER N.F.P.A. AND LOCAL FIRE DEPARTMENT REQUIREMENTS.
- 10.WATER METER MANUFACTURER/MODEL NUMBER AND VAULT SPECIFICATIONS SHALL BE PER THE WATER UTILITY COMPANY.

 11 BACKELOW DEVICE (RPRP/DDCVA) MANUFACTURER/MODEL NUMBER SHALL
- 11.BACKFLOW DEVICE (RPBP/DDCVA) MANUFACTURER/MODEL NUMBER SHALL BE PER THE WATER UTILITY COMPANY.

 12.CONTRACTOR SHALL INSTALL HOT BOX ENCLOSURE (PRE-FINISHED DARK
- 12.CONTRACTOR SHALL INSTALL HOT BOX ENCLOSURE (PRE-FINISHED DARK GREEN) ON ALL EXTERIOR ABOVE—GROUND BACKFLOW DEVICES. DOMESTIC AND FIRE BACKFLOW DEVICES SHALL BE HEATED. CONTRACTOR SHALL COORDINATE PROVIDING APPROPRIATE ELECTRICAL SERVICE TO BACKFLOW DEVICE.
- 13.CONTRACTOR SHALL COORDINATE LOCATION OF BACKFLOW DEVICE WITH THE BUILDING MECHANICAL DRAWINGS.

 14.SANITARY SEWER SERVICE LINES SHALL BE SDR 35 PVC UNLESS
- SPECIFIED OTHERWISE.

 15.MAINTAIN A 10' HORIZONTAL AND 18" VERTICAL SEPARATION BETWEEN SANITARY SEWER AND WATER LINES.

 16.ALL FIRE LINE MAINS TO BE INSTALLED BY LICENSED FIRE PROTECTION
- CONTRACTOR.

 17.INSTALLATION OF PIPE MATERIAL SHALL BE PLACED WITH A SCREEN STONE ENVELOPE AND WHEN UNDER PAVEMENT ENTIRE TRENCH TO BE BACKFILLED WITH SCREEN STONE TO SUBGRADE. SIZE OF STONE, ENVELOPES, AND TRENCHES TO BE SPECIFIED BY MUNICIPALITIES FOR PUBLIC LINES AND PRIVATE LINES TO ADHERE TO COMMON PRACTICES FOR INSTALLATION

GEOTECHNICAL NOTE

1. NO GEOTECHNICAL STUDY HAS BEEN CONDUCTED ON THIS SITE. HOWEVER, THE DESIGN FOR THE SITE IMPROVEMENTS SHOWN ON THIS PLAN HAS RELIED ON EXPERIENCE WITH SIMILAR PROJECTS AND SIMILAR SOIL/SITE CONDITIONS. IF, IN THE PURSUIT OF THIS WORK BY THE CONTRACTOR, CONDITIONS OR CIRCUMSTANCES ARE ENCOUNTERED THAT ARE DIFFERENT THAN REFLECTED IN THESE PLANS OR THAT APPEAR TO IMPACT THE SCOPE OF THE WORK, THE CONTRACTOR WILL IMMEDIATELY NOTIFY THE CIVIL ENGINEER, AND THE OWNER/DEVELOPER BEFORE ANY REMEDIAL COURSE OF ACTION OR DESIGN CHANGE IS INITIATED. ALL PARTIES (OWNER, CIVIL ENGINEER, PROPER GOVERNMENTAL AGENCIES, AND CONTRACTOR) MUST BE IN AGREEMENT AND THE MAGNITUDE OF THE COST/TIME REQUIRED FOR THE MEASURES ESTABLISHED.

BEST MANAGEMENT PRACTICES (BMP)

LAND CLEARING SHALL TAKE PLACE ONLY IN AREAS WHERE ACTIVE CONSTRUCTION WILL BEGIN WITHIN A REASONABLE AMOUNT OF TIME. LAND CLEARING DURING THE RAINY SEASON SHALL BE AVOIDED IN SENSITIVE AREAS SUSH AS STEEP SLOPES AND BUFFERS, IF POSSIBLE.

ANY NATURAL WATERCOURSE ON SITE SHALL NOT BE DISTURBED UNLESS ABSOLUTELY NECESSARY.

DENUDED AREAS, SOIL STOCKPILES, DIKES, DAMS, CHANNELS, ETC., ARE TO BE SEEDED AND MULCHED. AREAS AND TIME OF EXPOSURE OF UNPROTECTED SOILS SHALL BE KEPT TO A MAXIMUM OF 15 DAYS. SUCH AREAS ARE TO IMMEDIATELY RECEIVE SEED AND MULCH STABILIZATION FOLLOWING THIS TIME PERIOD. ON STEEP SLOPES AND CHANNELS, SOD SHALL BE FASTENED TO THE GROUND WITH WIRE STAPLES OR WOOD PEGS. WHERE SURFACE WATER CANNOT BE DIVERTED FROM FLOWING OVER THE FACE OF SLOPES, INSTALL A STRIP OF HEAVY JUTE OR PLASTIC NETTING AND FASTEN TIGHT ALONG THE CROWN OR TOP OF THE SLOPE FOR EXTRA PROTECTION AGAINST LIFTING AND UNDERCUTTING OF SOD.

SUITABLE BARRICADES AND GAURDS SHALL BE ERECTED TO PREVENT EQUIPMENT OR MATERIAL FROM BEING PLACED ON ANY PLANTED AREA.

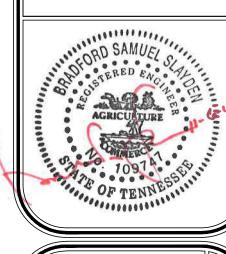
PLASTIC LINING SHALL BE USED ON ALL DITCHES AND EXPOSED SURFACES WHEN TIME DOES NOT PERMIT THE CONTRACTOR TO USE SEED AND MULCH FOR STABILIZATION.

SLOPE AND DITCHES THAT ARE CONSTRUCTED TO FINAL SUB-GRADE OR A PORTION OF ANY SLOPE OR DITCH THAT IS CONSTRUCTED TO SUB-GRADE SHALL IMMEDIATELY RECEIVE TOPSOIL AND FINAL STABILIZATION. ALL SLOPES ARE TO RECEIVE SEED AND MULCH. ALL DITCHES SHALL RECEIVE STABILIZATION AS INDICATED ON THE CONSTRUCTION PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR WATERING SEEDED AREAS TO PREVENT THE SOIL FROM DRYING OUT UNTIL APPROVED AND ACCEPTED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RE-SEEDING BARE SPOTS FOR A PERIOD OF ONE YEAR AFTER INSTALLATION OR ACCEPTANCE OF THIS PROJECT.

STEEP AND UNSTABLE SLOPES SHALL NOT BE DISTURBED IF THEY ARE OUTSIDE OF THE APPROVED GRADING PLAN AREA. RUNOFF SHALL BE CONVEYED FROM THE TOP OF THE SLOPE IN A SAFE MANNER ENSURING THAT THE SLOPE IS STABILIZED AS SOON AS POSSIBLE. ALL RUNOFF EXITING THE CONSTRUCTION SITE SHALL BE FREE OF EXCESSIVE SEDIMENT, AND OTHER POLLUTANTS.

EROSION CONTROL BARRIERS (SILT FENCE) SHALL BE PLACED WHERE INDICATED PRIOR TO CLEARING, GRUBBING, GRADING. EROSION CONTROL BARRIERS (SILT FENCE) SHALL BE ADJUSTED AND PLACED ALONG THE NEWLY ESTABLISHED CONTOURS UNTIL THE DEVELOPMENT IS STABILIZED (SEE EROSION/SILTATION CONTROL NOTES)

STREET AND/OR CURB INLET PROTECTION DEVICES SHALL BE PLACED AROUND ALL INLETS UPON THE CONSTRUCTION OF THE STORM WATER SEWER SYSTEM. GRATE INLET SKIMMER BOXES WILL BE PLACED AT ALL INLETS. ALL CATCH BASINS AND CONNECTIONS HAVE BEEN DESIGNED TO CONVEY AT LEAST THE 10—YEAR DESIGN—STORM EVENT. STORM WATER DRAINAGE SHALL BE CONVEYED TO THE DETENTION POND AS SHOWN.



MITH

ORREST CROSSING, SITE PLAN - YM PARKING ADDITION FOR YMCA OF MIDDI F TENNESSEE

				10-02-14 T. GARDNER	REVISIONS
VIV. ONDEIN	9879	B. SLAYDEN	T. GARDNER	N.T.S.	SEPTEMBER 8, 2014
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CIVIL NOTES

C0 1

EXISTING LAND USE: CIVIC/INSTITUTIONAL MACK HATCHER PARKWAY STREET BUFFER INCOMPATIBLE USE BUFFER: BUILDING SETBACKS: FRONT: SIDE:

bslayden@ragansmith.com

REAR: OWNER/DEVELOPER: PROJECT ENGINEER: YMCA OF NASHVILLE AND MIDDLE TN BRAD SLAYDEN, P.E. RAGAN-SMITH & ASSOCIATES, INC. 1000 CHURCH STREET NASHVILLE, TN 37203 315 WOODLAND STREET NASHVILLE, TN 37206 (615) 254-0631 (615) 244-8591

SURVEY INFORMATION: BOUNDARY AND TOPOGRAPHIC INFORMATION TAKEN FROM A SURVEY BY RAGAN SMITH ASSOCIATES, INC. OFFSITE TOPO TAKEN FROM AERIAL SOURCES. PHOSPHATE AND/OR PHOSPHATIC MATERIAL RIGHTS HAVE BEEN TRANSFERRED TO MONSANTO CHEMICAL COMPANY.

FLOOD INFORMATION: FEMA MAP #s: 47187C0211F AND 47187C0213F EFFECTIVE DATE: SEPTEMBER 29, 2006 THE SURVEY SHOWS "BY SCALED MAP LOCATION AND GRAPHIC PLOTTING ONLY", THIS PROPERTY LIES WITHIN "ZONE X", AS DESIGNATED ON CURRENT FEDERAL EMERGENCY MANAGEMENT AGENCY MAP NOS. 47187C0211F AND 47187C0213F, WITH AN EFFECTIVE DATE OF SEPTEMBER 29, 2006 WHICH MAKES UP A PART OF THE NATIONAL FLOOD INSURANCE ADMINISTRATION REPORT; COMMUNITY NO. 470206 PANEL NO. 0211, SUFFIX F, AND COMMUNITY NO. 470206 PANEL NO. 0213, SUFFIX F, AND COMMUNITY NO. 470204 PANEL NO. 0213 SUFFIX F WHICH IS THE CURRENT FLOOD

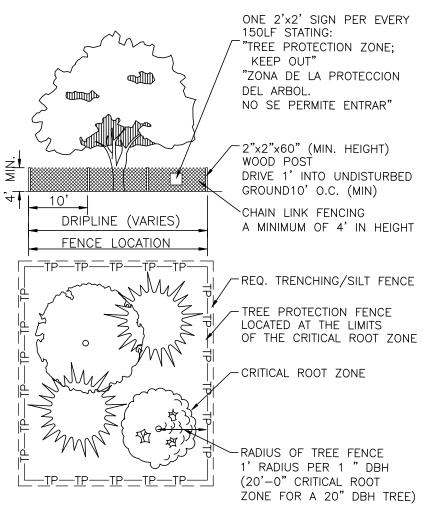
INSURANCE RATE MAPS FOR THE COMMUNITY IN WHICH SAID PREMISES IS SITUATED. SAID MAPS DEFINES "ZONE X" AS AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL

LANDSCAPING DATA

CHANCE FLOODPLAIN.

SITE ACREAGE: 8.000 AC. DISTURBED AREA: 1.748 AC. SITE ZONING CLASSIFICATION AND APPLICABLE OVERLAYS: RX DEVELOPMENT STANDARDS: CONVENTIONAL MINIMUM REQUIRED LANDSCAPE SURFACE AREA (RATIO AND ACREAGE): 0.10 (0.800 AC.)
PROVIDED LANDSCAPE SURFACE AREA (RATIO AND ACREAGE): 0.44 (3.509 AC.) PERCENT AND ACREAGE OF ORIGINAL CANOPY COVER: 15.00% (1.200 AC.) PERCENT AND ACREAGE TREE COVER REQUIRED: 8.10% (0.648 AC.) [54%x15.00%] PERCENT AND ACREAGE OF PRESERVED CANOPY COVER PROVIDED: 14.00% (1.120 AC.)

NUMBER AND DBH OF SPECIMEN TREES REMOVED: 0 BUILDING HEIGHT: EXISTING



TREE PROTECTION NOT TO SCALE

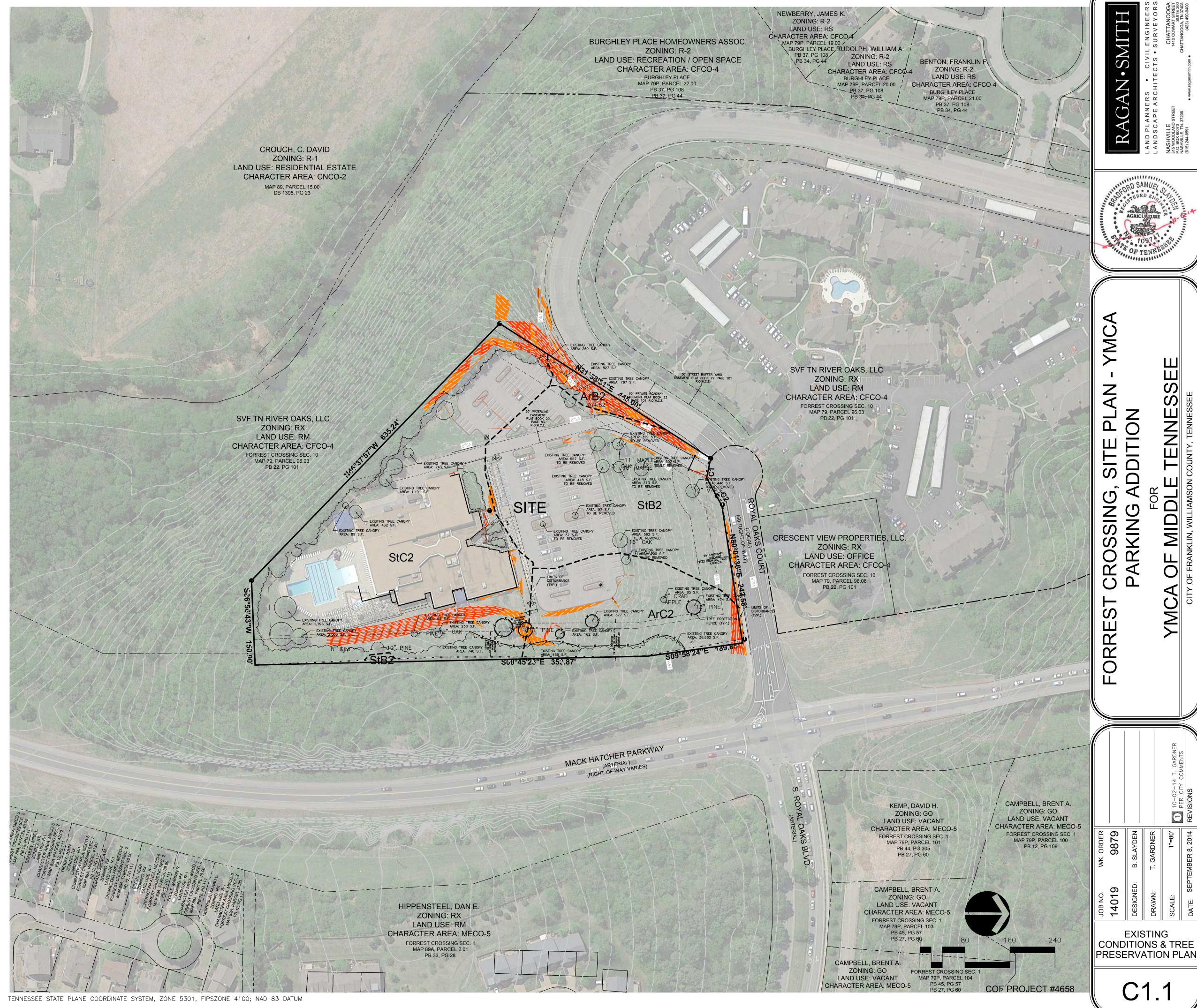
ALL TREE PROTECTION FENCING SHALL BE IN PLACE PRIOR TO THE ISSUANCE OF A GRADING OR LAND DISTURBANCE PERMIT AND SHALL BE MAINTAINED IN GOOD WORKING ORDER UNTIL ALL CONSTRUCTION ACTIVITY IS COMPLETED. NO DISTURBANCE IS PERMITTED IN A TREE PRESERVATION AREA. ANY REQUIRED EROSION CONTROL MEASURES SHALL BE PLACED OUTSIDE OF ANY TREE PROTECTION FENCING.



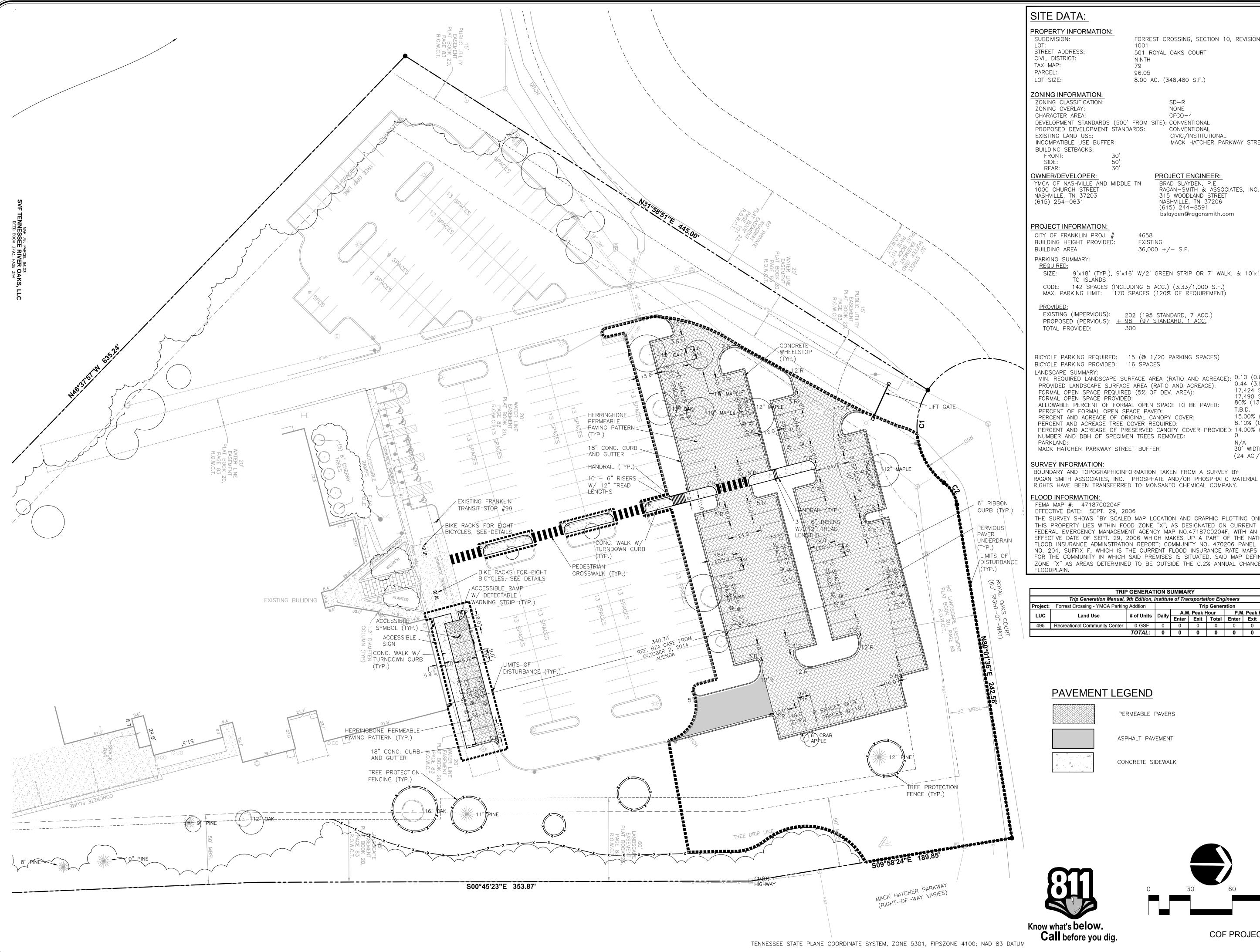
20% > SLOPES

14-19.9% SLOPES

	Williamson County,	Tennessee (TN187)	
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
ArB2	Armour silt loam, 2 to 5 percent slopes, eroded	0.2	1.3%
ArC2	Armour silt loam, 5 to 12 percent slopes, eroded	3.0	17.3%
·lu	Huntington silt loam, phosphatic	0.3	1.9%
nE3	Inman silty clay loam, 20 to 30 percent slopes, severely eroded	0.0	0.0%
₹c	Rockland	1.4	7.9%
StB2	Stiversville silt loam, 2 to 5 percent slopes, eroded	3.5	20.2%
StC2	Stiversville silt loam, 5 to 12 percent slopes, eroded	8.8	51.2%
StD2	Stiversville silt loam, 12 to 20 percent slopes, eroded	0.1	0.4%
Totals for Area of Interest		17.3	100.0%



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FORREST CROSSING, SECTION 10, REVISION 1

501 ROYAL OAKS COURT

NINTH

8.00 AC. (348,480 S.F.)

NONE CFCO-4 DEVELOPMENT STANDARDS (500' FROM SITE): CONVENTIONAL CONVENTIONAL

CIVIC/INSTITUTIONAL MACK HATCHER PARKWAY STREET BUFFER

PROJECT ENGINEER:

BRAD SLAYDEN, P.E. RAGAN-SMITH & ASSOCIATES, INC. 315 WOODLAND STREET NASHVILLE, TN 37206 (615) 244-8591

4658 BUILDING HEIGHT PROVIDED: EXISTING 36,000 +/- S.F.

9'x18' (TYP.), 9'x16' W/2' GREEN STRIP OR 7' WALK, & 10'x16' NEXT

bslayden@ragansmith.com

CODE: 142 SPACES (INCLUDING 5 ACC.) (3.33/1,000 S.F.) MAX. PARKING LIMIT: 170 SPACES (120% OF REQUIREMENT)

EXISTING (IMPERVIOUS): 202 (195 STANDARD, 7 ACC.)
PROPOSED (PERVIOUS): + 98 (97 STANDARD, 1 ACC.

BICYCLE PARKING REQUIRED: 15 (@ 1/20 PARKING SPACES) BICYCLE PARKING PROVIDED: 16 SPACES

MIN. REQUIRED LANDSCAPE SURFACE AREA (RATIO AND ACREAGE): 0.10 (0.800 AC.) 0.44 (3.509 AC.) PROVIDED LANDSCAPE SURFACE AREA (RATIO AND ACREAGE): 17,424 S.F. FORMAL OPEN SPACE REQUIRED (5% OF DEV. AREA): 17,490 S.F. FORMAL OPEN SPACE PROVIDED: 80% (13,939 S.F.) ALLOWABLE PERCENT OF FORMAL OPEN SPACE TO BE PAVED:

3Ó' WIDTH

(24 ACI/100 L.F.)

T.B.D. PERCENT OF FORMAL OPEN SPACE PAVED: 15.00% (1.200 AC.) PERCENT AND ACREAGE OF ORIGINAL CANOPY COVER: 8.10% (0.648 AC.) PERCENT AND ACREAGE TREE COVER REQUIRED: PERCENT AND ACREAGE OF PRESERVED CANOPY COVER PROVIDED: 14.00% (1.120 AC.) NUMBER AND DBH OF SPECIMEN TREES REMOVED:

BOUNDARY AND TOPOGRAPHICINFORMATION TAKEN FROM A SURVEY BY

THE SURVEY SHOWS "BY SCALED MAP LOCATION AND GRAPHIC PLOTTING ONLY", THIS PROPERTY LIES WITHIN FOOD ZONE "X", AS DESIGNATED ON CURRENT FEDERAL EMERGENCY MANAGEMENT AGENCY MAP NO.47187C0204F, WITH AN EFFECTIVE DATE OF SEPT. 29, 2006 WHICH MAKES UP A PART OF THE NATIONAL FLOOD INSURANCE ADMINSTRATION REPORT; COMMUNITY NO. 470206 PANEL NO. 204, SUFFIX F, WHICH IS THE CURRENT FLOOD INSURANCE RATE MAPS FOR THE COMMUNITY IN WHICH SAID PREMISES IS SITUATED. SAID MAP DEFINES ZONE "X" AS AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE

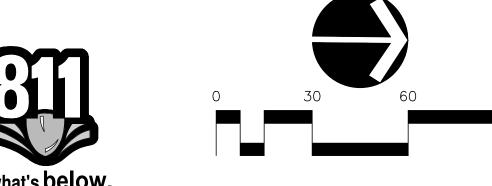
	TRIP GENERATION SUMMARY									
Trip Generation Manual, 9th Edition, Institute of Transportation Engineers										
Project:	Forrest Crossing - YMCA Parking	g Addtion		Trip Generation			ation	n		
LUC	Land Use	# of Units	Daily	A.M. Peak Hour		lour	P.M. Peak Hour		lour	
LUC	Land Ose	# Of Offics	Daily	Enter	Exit	Total	Enter	Exit	Total	
495	Recreational Community Center	0 GSF	0	0	0	0	0	0	0	
		TOTAL:	0	0	0	0	0	0	0	

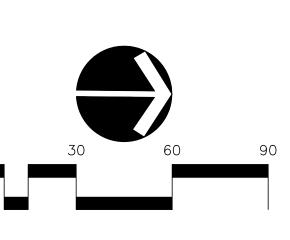
PAVEMENT LEGEND

PERMEABLE PAVERS

ASPHALT PAVEMENT

CONCRETE SIDEWALK





COF PROJECT #4658

SITE LAYOUT PLAN

JOB NO.

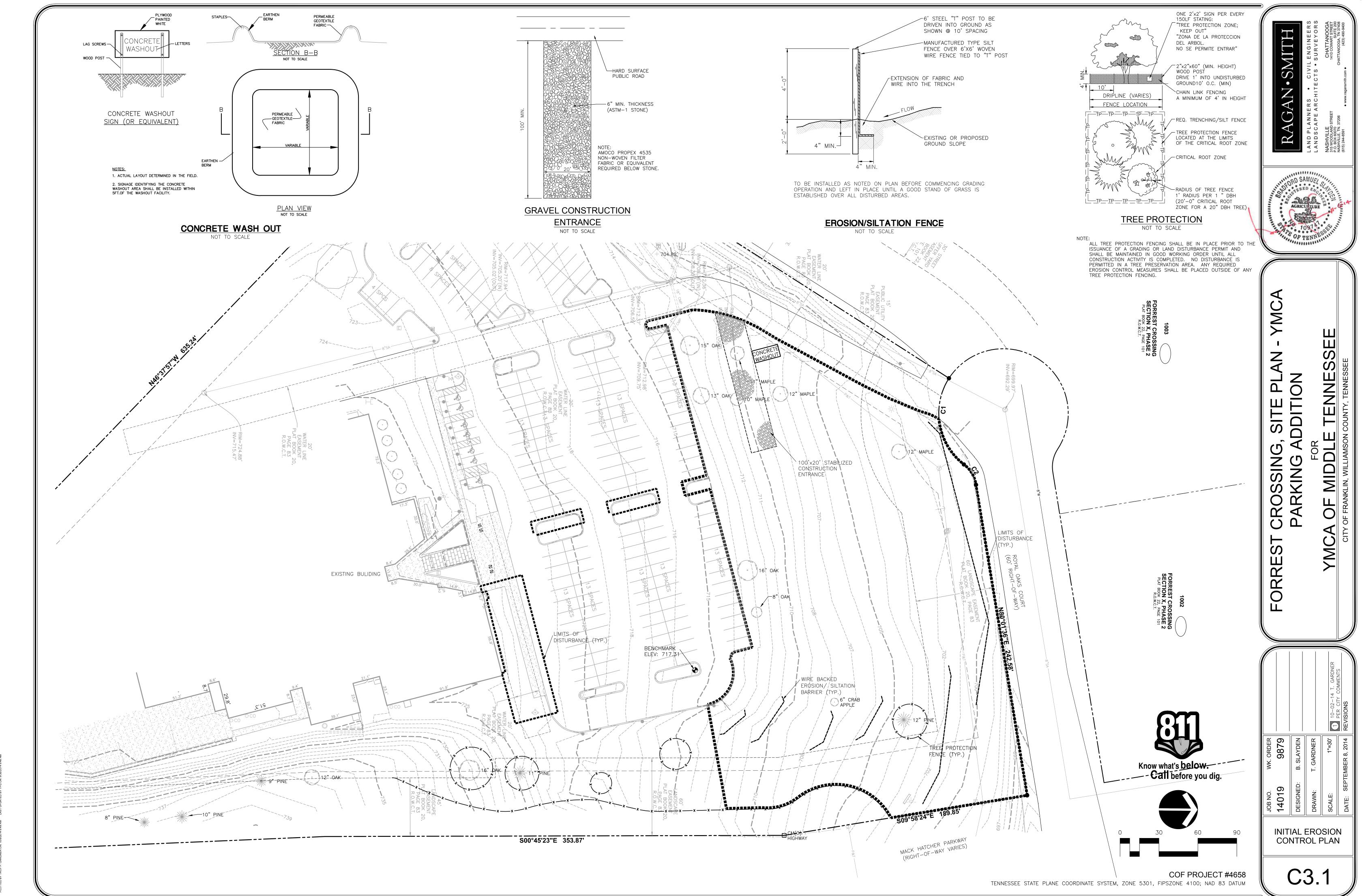
MITH

YMC

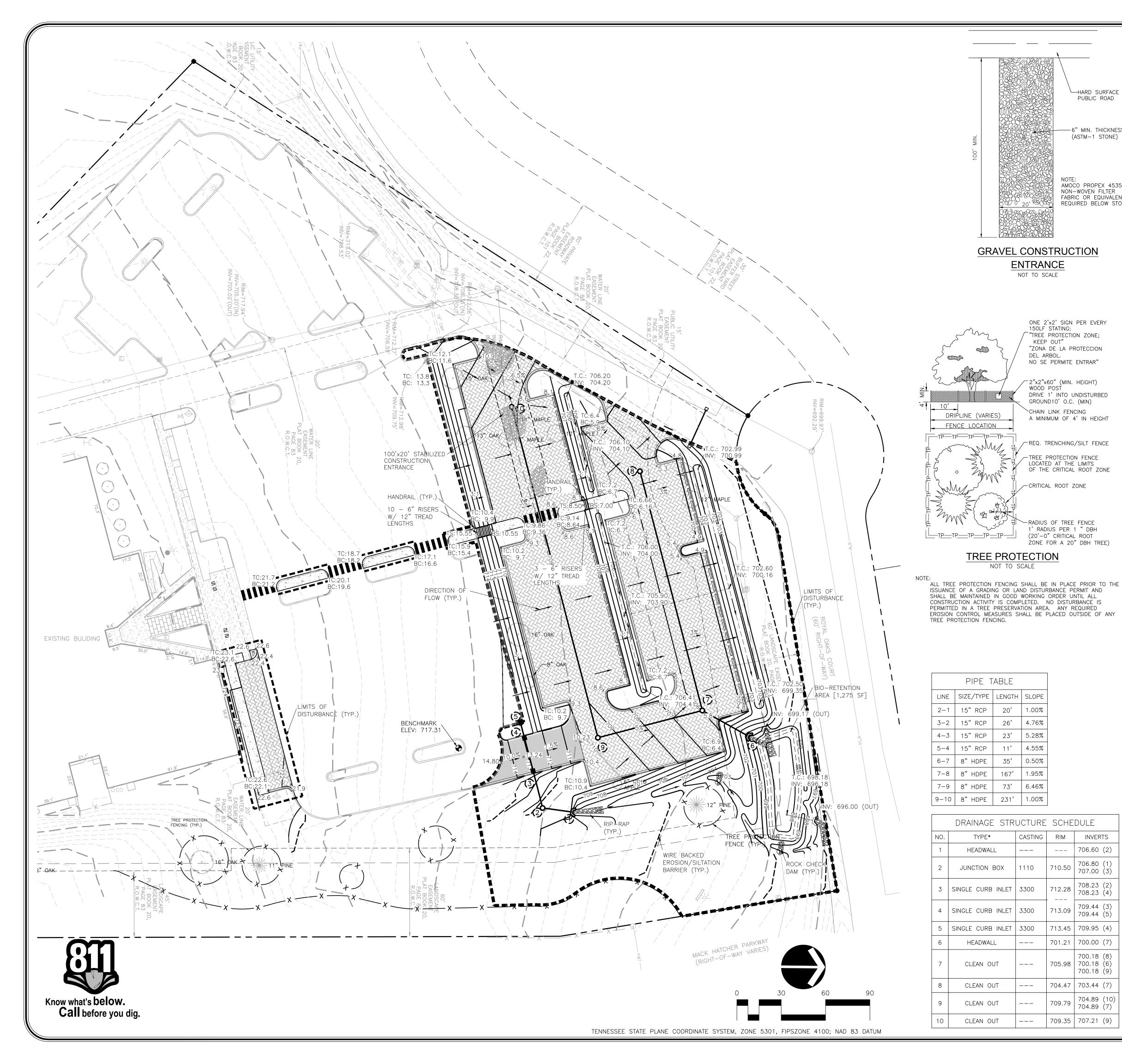
DD

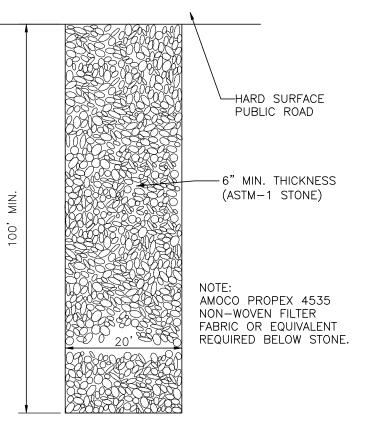
CROSSII PARKIN

ORREST



G(14019-98794)-CIVIL ENGINEERINGPLAN SHEETSIG 1 - IECP DWG





GRAVEL CONSTRUCTION ENTRANCE NOT TO SCALE

ONE 2'x2' SIGN PER EVERY _150LF STATING:

"TREE PROTECTION ZONE;

"ZONA DE LA PROTECCION

NO SE PERMITE ENTRAR"

2"x2"x60" (MIN. HEIGHT) WOOD POST DRIVE 1' INTO UNDISTURBED GROUND10' O.C. (MIN) CHAIN LINK FENCING

A MINIMUM OF 4' IN HEIGHT

REQ. TRENCHING/SILT FENCE

OF THE CRITICAL ROOT ZONE

TREE PROTECTION FENCE LOCATED AT THE LIMITS

RADIUS OF TREE FENCE

1' RADIUS PER 1 " DBH

NOT TO SCALE

20' 1.00%

26' 4.76%

23' 5.28%

11' | 4.55%

35' 0.50%

167' 1.95%

73' 6.46%

CASTING RIM

1110

INVERTS

706.60 (2)

706.80 (1)

708.23 (2)

709.44 (3)

700.18 (8)

700.18 (9)

704.89 (10)

710.50 707.00 (3)

712.28 708.23 (4)

713.09 | 709.44 (5)

701.21 700.00 (7)

705.98 700.18 (6)

704.47 703.44 (7)

709.79 | 704.89 (7)

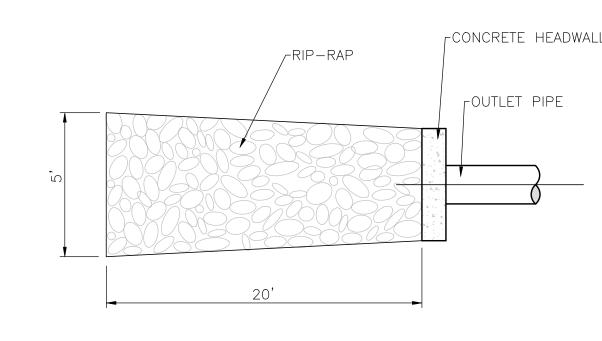
709.35 707.21 (9)

ZONE FOR A 20" DBH TREE)

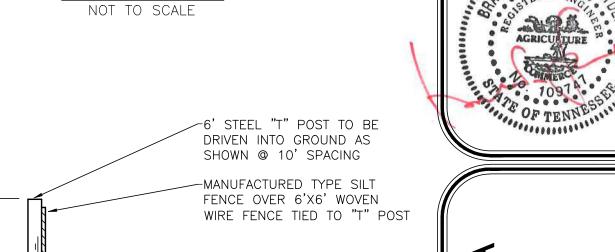
- CRITICAL ROOT ZONE

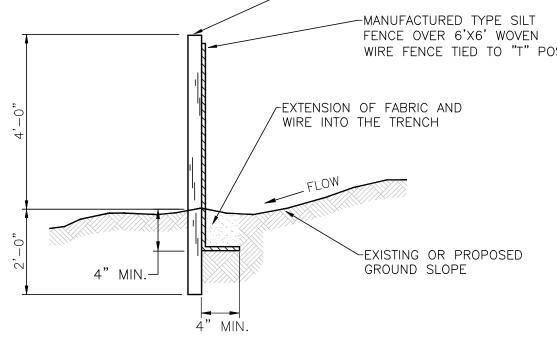
KEEP OUT"

DEL ARBOL.



RIP-RAP DETAIL





TO BE INSTALLED AS NOTED ON PLAN BEFORE COMMENCING GRADING OPERATION AND LEFT IN PLACE UNTIL A GOOD STAND OF GRASS IS ESTABLISHED OVER ALL DISTURBED AREAS.

EROSION/SILTATION FENCE NOT TO SCALE

SITE AREAS:

LOT SIZE: 8.00 AC. (348,482 S.F.) DISTURBED AREA: 1.75 AC. (76,164 S.F.) EXISTING IMPERVIOUS AREA: 3.72 AC. (162,057 S.F.) PROPOSED IMPERVIOUS AREA: 0.77 AC. (33,540 S.F.) TOTAL IMPERVIOUS AREA: 4.49 AC. (195,597 S.F.)

TREE CUT NOTE:

A TREE CUT PERMIT SHALL BE OBTAINED PROIR TO REMOVAL OF SITE TREES.

TREE PROTECTION NOTE:

ALL TREE—PROTECTION FENCING SHALL BE IN PLACE PRIOR TO THE ISSUANCE OF A GRADING PERMIT AND SHALL BE MAINTAINED IN GOOD WORKING ORDER UNTIL ALL CONSTRUCTION ACTIVITY IS COMPLETED. ANY REQUIRED EROSION CONTROL MEASURERS SHALL BE PLACED OUTSIDE OF ANY TREE PROTECTION FENCING.

LOCATION AND PROTECTION OF EXISTING UTILITIES: CONTRACTOR SHALL LOCATE, PROTECT AND BE RESPONSIBLE FOR REPAIRING ANY DAMAGE TO EXISTING UTILITIES.

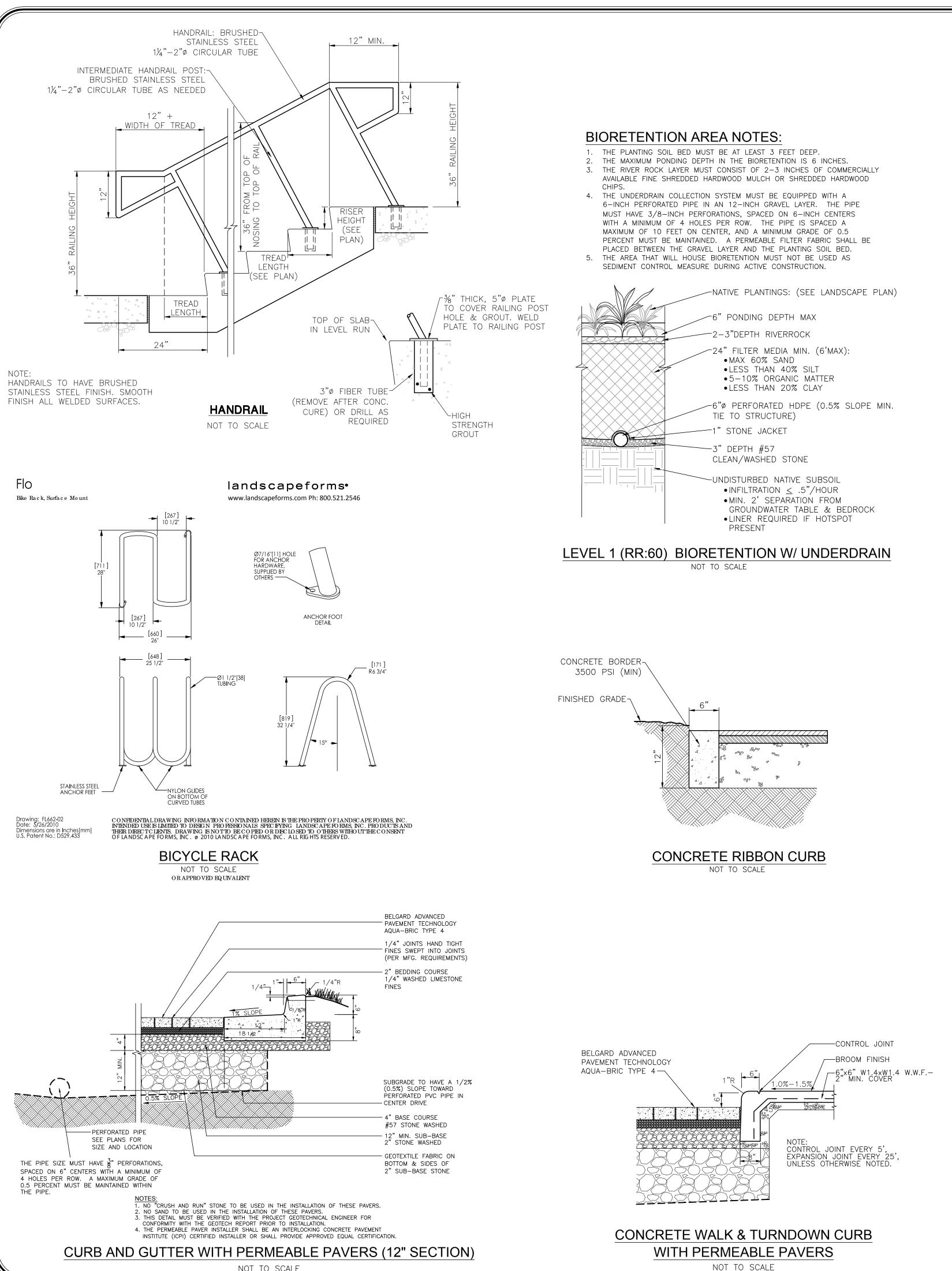
				10-02-14 T. GARDNER	REVISIONS					
WK. ORDER	9879	B. SLAYDEN	T. GARDNER	1"=30"	DATE: SEPTEMBER 8, 2014					
JOB NO.	14019	DESIGNED:	DRAWN:	SCALE:	DATE: SEP1					
C	GRADING, DRAINAGE & EROSION CONTROL PLAN									

MC **I** CROSSI PARKIN ORREST

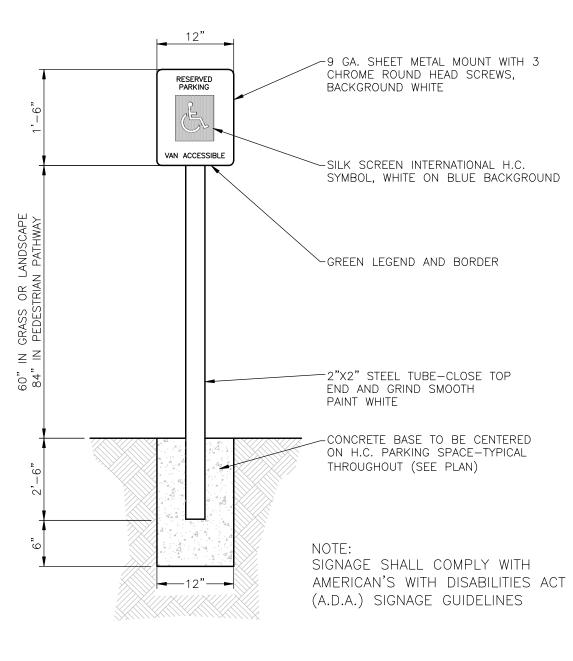
MITH

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COF PROJECT #4658

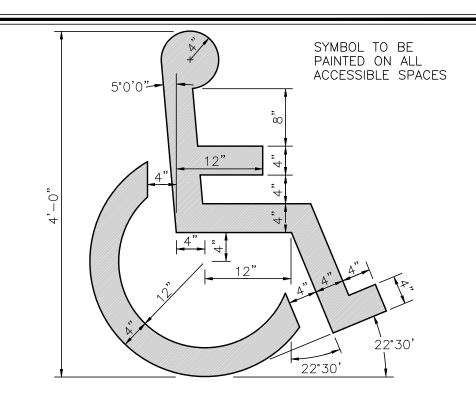


NOT TO SCALE

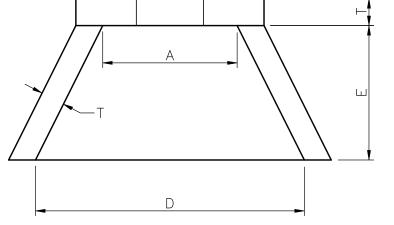


EXTERIOR ACCESSIBLE SIGN

NOT TO SCALE



PAINTED ACCESSIBLE SYMBOL NOT TO SCALE

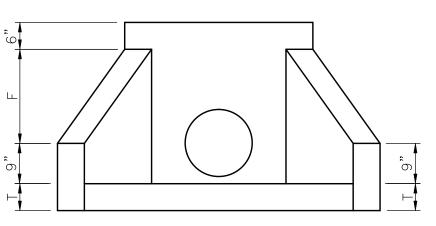


TOP VIEW
CONCRETE: 4000 PSI AT 28 DAYS REINFORCED WITH NO. 4 BARS 10"C.C.
EACH WAY WITH WINGS AND TOE SLAB

DOGWELLED TO HEADWALL WITH NO.5 BARS. 34" CHAMFER ON ALL EXPOSED EDGES

21" 2'-6" 5'-0" 2'-6" 1'-9" 6 24" 4'-0" 6'-6" 3'-0" 3'-3" 6 30" 4'-0" 6'-6" 3'-0" 3'-3" 6 36" 5'-6" 8'-0" 3'-6" 4'-5" 6 42" 5'-6" 8'-0" 3'-6" 4'-5" 6 48" 5'-6" 8'-0" 3'-6" 4'-5" 6 54" 7'-0" 9'-5" 4'-6" 5'-9" 6	6"
24" 4'-0' 6'-6" 3'-0" 3'-3" 6 30" 4'-0' 6'-6" 3'-0" 3'-3" 6 36" 5'-6' 8'-0" 3'-6" 4'-5" 6 42" 5'-6' 8'-0" 3'-6" 4'-5" 6 48" 5'-6' 8'-0" 3'-6" 4'-5" 6 54" 7'-0" 9'-5" 4'-6" 5'-9" 6	6"
30" 4'-0" 6'-6" 3'-0" 3'-3" 6 36" 5'-6" 8'-0" 3'-6" 4'-5" 6 42" 5'-6" 8'-0" 3'-6" 4'-5" 6 48" 5'-6" 8'-0" 3'-6" 4'-5" 6 54" 7'-0" 9'-5" 4'-6" 5'-9" 6	6"
36" 5'-6" 8'-0" 3'-6" 4'-5" 6 42" 5'-6" 8'-0" 3'-6" 4'-5" 6 48" 5'-6" 8'-0" 3'-6" 4'-5" 6 54" 7'-0" 9'-5" 4'-6" 5'-9" 6	6"
42" 5'-6" 8'-0" 3'-6" 4'-5" 6 48" 5'-6" 8'-0" 3'-6" 4'-5" 6 54" 7'-0" 9'-5" 4'-6" 5'-9" 6	6"
48" 5'-6" 8'-0" 3'-6" 4'-5" 6 54" 7'-0" 9'-5" 4'-6" 5'-9" 6	6"
54" 7'-0" 9'-5" 4'-6" 5'-9" 6	6"
	6"
	6"
60" 7'-0" 9'-5" 4'-6" 5'-9" 6	6"
	6"
72" 8'-6"11'-0" 5'-6" 6'-11" 6	6"

TABLE OF DIMENSIONS



FRONT VIEW

SIDE VIEW

ACCESSIBLE RAMP

- TURN DOWN WALK

WHEEL STOP

- 6' LONG PRECAST CONCRETE

- 2-#5 REBAR-18" LENGTH

-CLASS "A" CONCRETE (3,500 PSI)-BROOM FINISH

1.0%-1.5% CROSS-SLOPE

-CRUSHED STONE BASE

COMPACTED SUBGRADE

CONTROL JOINT EVERY 5', EXPANSION JOINT EVERY 25', UNLESS OTHERWISE NOTED.

- DEPRESS CURB FACE FROM

- FACE OF CURB

6"TO FLUSH

RAMP SHALL SLOPE @ 12:1 MAXIMUM TO BE WITHIN ¼" OF PAVEMENT ELEVATION-FINISH W/SCORING

@ 6"O.C.

WALK WIDTH (SEE PLAN)

NOT TO SCALE

PRECAST CONCRETE

WHEEL STOP NOT TO SCALE

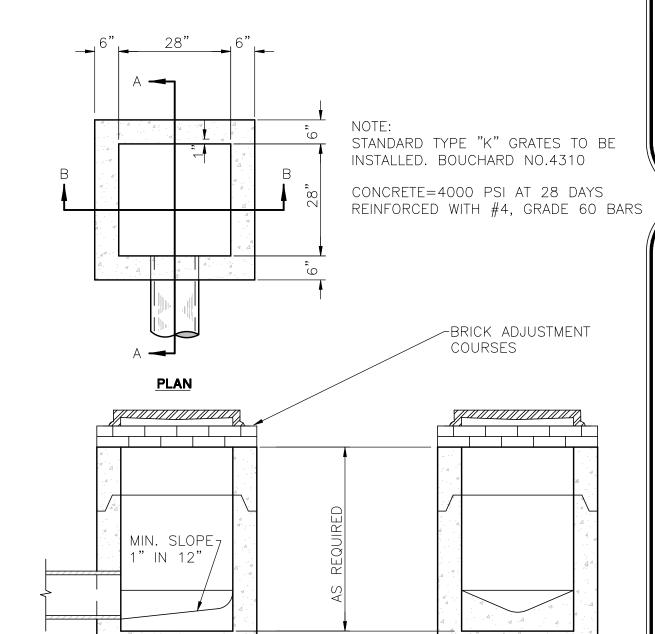
CONCRETE WALK

NOT TO SCALE

VARIES, SEE PLAN

0.88.0.88

CONCRETE HEADWALL NOT TO SCALE



SINGLE INLET (PRECAST) NOT TO SCALE

3'-4"

SECTION A-A

9879 14019 CONSTRUCTION

COF PROJECT #4658

3'-4"

SECTION B-B

SMITH

MC

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ROSSI ARKIN

CRO:

ORREST

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DETAILS

C5.

CANODY TREE		SITE PLANTINGS	TVDE	OLZE	LIEIGUT	CDACINIC	DEMARKO
CANOPY TREES	QTY	BOTANICAL NAME / COMMON NAME	TYPE	SIZE	HEIGHT	SPACING	REMARKS
CJ	3	CRYPTOMERIA JAPONICA / JAPANESE CEDAR	2" CAL	6`-8`HT.	EVERGREEN	AS SHOWN	B&B, FULL TO BASE
QP	5	QUERCUS PHELLOS / WILLOW OAK	3" CAL	14-16`	DECIDUOUS	AS SHOWN	B&B, 6` CLEAR TRUNK
UE	5	ULMUS PARVIFOLIA 'EMER II' / 'EMER II' ALLEE ELM	3" CAL	14-16`	DECIDUOUS	AS SHOWN	B&B, 6` CLEAR TRUNK
ZS	10	ZELKOVA SERRATA / SAWLEAF ZELKOVA	3" CAL	14-16`	DECIDUOUS	AS SHOWN	B&B, 6` CLEAR TRUNK
UNDERSTORY TREES	QTY	BOTANICAL NAME / COMMON NAME	TYPE	SIZE	HEIGHT	SPACING	REMARKS
CC	2	CERCIS CANADENSIS / EASTERN REDBUD	1.5" CAL	7-8`	DECIDUOUS	AS SHOWN	B&B
СР	5	CRATAEGUS PHAENOPYRUM / WASHINGTON HAWTHORN	2" CAL	8-10`	DECIDUOUS	AS SHOWN	B&B, SPECIMEN
MS	6	MAGNOLIA X SOULANGIANA / SAUCER MAGNOLIA	2" CAL	8-10`	DECIDUOUS	AS SHOWN	B&B OR CONTAINER, FULL, WELL-MATCHE
TE	2	THUJA OCCIDENTALIS 'EMERALD' / EMERALD ARBORVITAE	1.5" CAL	6-8`	EVERGREEN	AS SHOWN	B&B OR CONTAINER, FULL, WELL-MATCHE
SHRUBS	QTY	BOTANICAL NAME / COMMON NAME	TYPE	SIZE/HT	SPREAD	SPACING	REMARKS
BG	60	BUXUS X `GREEN VELVET` / BOXWOOD	EVERGREEN	18" HT	16"	24"O.C.	B&B OR CONTAINER, FULL
IB	47	ILEX CORNUTA 'BURFORDII NANA' / DWARF BURFORD HOLLY	EVERGREEN	24"	18"	36"O.C.	B&B OR CONTAINER, FULL
JO	17	JUNIPERUS VIRGINIANA `GREY OWL` / EASTERN REDCEDAR	EVERGREEN	30"	24"	4` O.C.	B&B OR CONTAINER, FULL
PO	82	PRUNUS LAUROCERASUS `OTTO LUYKEN` / LUYKENS LAUREL	EVERGREEN	24"	24"	36"O.C.	B&B OR CONTAINER, FULL
TD	61	TAXUS X MEDIA 'DENSIFORMIS' / DENSE YEW	EVERGREEN	24"	24"	48"O.C.	B&B OR CONTAINER, FULL

UNDERSTORY TREES	QTY	BOTANICAL NAME / COMMON NAME	TYPE	SIZE	HEIGHT	SPACING	REMARKS
CC	3	CERCIS CANADENSIS / EASTERN REDBUD	1.5" CAL	7-8`	DECIDUOUS	AS SHOWN	B&B
			•	•		•	
GRASSES	QTY	BOTANICAL NAME / COMMON NAME	TYPE	SIZE/HT	SPREAD	SPACING	REMARKS
CM	100	CAREX MUSKINGUMENSIS / PALM SEDGE	PERENNIAL	1 GAL		24"O.C.	
JE	114	JUNCUS EFFUSUS / SOFT RUSH	PERENNIAL	1 GAL		24"O.C.	
MC	46	MUHLENBERGIA CAPILLARIS / PINK MUHLY	PERENNIAL	1 GAL		24"O.C.	
	•		•	•		•	•
GROUND COVERS	QTY	BOTANICAL NAME / COMMON NAME	CONT	TYPE	SPREAD	SPACING	REMARKS
CG	106 SF	CONOCLINIUM GREGGII 'BOOTHILL' TM / GREGG'S MISTFLOWER	1 GAL	PERENNIAL		18"O.C.	
SW	117 SF	SOLIDAGO RUGOSA / WRINKLELEAF GOLDENROD	1 GAL	PERENNIAL		18"O.C.	

UNDERSTORY TREES	QTY	BOTANICAL NAME / COMMON NAME	TYPE	SIZE	HEIGHT	SPACING	REMARKS
CC	2	CERCIS CANADENSIS / EASTERN REDBUD	1.5" CAL	7-8`	DECIDUOUS	AS SHOWN	B&B
GRASSES	QTY	BOTANICAL NAME / COMMON NAME	TYPE	SIZE/HT	SPREAD	SPACING	REMARKS
CM	59	CAREX MUSKINGUMENSIS / PALM SEDGE	PERENNIAL	1 GAL		24"O.C.	
JE	166	JUNCUS EFFUSUS / SOFT RUSH	PERENNIAL	1 GAL		24"O.C.	
MC	57	MUHLENBERGIA CAPILLARIS / PINK MUHLY	PERENNIAL	1 GAL		24"O.C.	
GROUND COVERS	QTY	BOTANICAL NAME / COMMON NAME	CONT	TYPE	SPREAD	SPACING	REMARKS
CG	96 SF	CONOCLINIUM GREGGII 'BOOTHILL' TM / GREGG'S MISTFLOWER	1 GAL	PERENNIAL		18"O.C.	
SW	131 SF	SOLIDAGO RUGOSA / WRINKLELEAF GOLDENROD	1 GAL	PERENNIAL		18"O.C.	

PLANT SCHE	DULE	BIO-RETENTION AREA 3					
UNDERSTORY TREES		BOTANICAL NAME / COMMON NAME	TYPE	SIZE	HEIGHT	SPACING	REMARKS
CC	2	CERCIS CANADENSIS / EASTERN REDBUD	1.5" CAL	7-8`	DECIDUOUS	AS SHOWN	B&B
GRASSES	QTY	BOTANICAL NAME / COMMON NAME	TYPE	SIZE/HT	SPREAD	SPACING	REMARKS
CM	79	CAREX MUSKINGUMENSIS / PALM SEDGE	PERENNIAL	1 GAL		24"O.C.	
JE	25	JUNCUS EFFUSUS / SOFT RUSH	PERENNIAL	1 GAL		24"O.C.	
MC	62	MUHLENBERGIA CAPILLARIS / PINK MUHLY	PERENNIAL	1 GAL		24"O.C.	
	•						
GROUND COVERS	QTY	BOTANICAL NAME / COMMON NAME	CONT	TYPE	SPREAD	SPACING	REMARKS
AV	309 SF	ASCLEPIAS VERTICILLATA / WHORLED MILKWEED	1 GAL	PERENNIAL		18"O.C.	
AE	347 SF	ASTER NOVAE-ANGLIAE / NEW ENGLAND ASTER	1 GAL	PERENNIAL		24"O.C.	
CG	104 SF	CONOCLINIUM GREGGII 'BOOTHILL' TM / GREGG'S MISTFLOWER	1 GAL	PERENNIAL		18"O.C.	
SW	65 SF	SOLIDAGO RUGOSA / WRINKLELEAF GOLDENROD	1 GAL	PERENNIAL		18"O.C.	

OF THE CITY OF FRANKLIN ZONING ORDINANCE, THE APPROVAL OF THE PLANNING COMMISSION, AND PLANNING DEPARTMENT POLICY. RELOCATING, SUBSTITUTING, RESIZING, REDUCING, OR DELETING MATERIAL MAY CAUSE THE SITE TO NO LONGER CONFORM TO THE REQUIREMENTS; THUS PROBLEMS MAY ARISE WITH RELEASING

THE PERFORMANCE/MAINTENANCE SURETY FOR THE LANDSCAPE MATERIAL. DEVIATION FROM THE APPROVED LANDSCAPE PLAN SHALL NOT BE MADE WITHOUT FIRST

	002011101101101	
OWNER:	MR. MARCO PETERS	(615) 591-0322
	CONTACT NAME	PHONE NUMBER
LANDSCAPE ARCHITECT:	BRETT SMITH	(615) 244-8591
	CONTACT NAME	PHONE NUMBER
FRANKLIN PLANNING DEPARTMENT:	(615) 791-3212 PHONE (615) 791-3257 FAX	

ALL TREE STAKES AND GUYS SHALL BE REGULARLY MONITORED TO ENSURE THERE ARE NO DETRIMENTAL EFFECTS TO THE TREE. ALL TREE STAKES AND GUYS SHALL BE REMOVED NO

SPECIFICATIONS FOR THE MEASUREMENT, QUALITY, AND INSTALLATION OF TREES AND SHRUBS SHALL BE IN ACCORDANCE WITH THE "AMERICAN STANDARDS FOR NURSERY STOCK" PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN, CURRENT EDITION.

AFTER INSTALLATION, THE LANDSCAPING WILL BE MAINTAINED BY: YMCA OF MIDDLE TENNESSEE

MACK HATCHER STREET BUFFER

LINEAR FEET: 106 L.F.

` '				
		Inches Provide		
	Existing Trees	Proposed	Total Provided	Caliper Inches
Existing Trees=14"+:	0	0	0	0
Existing Trees(See Tree Inventory):	0	0	0	0
3" caliper canopy trees:	0	3	3	9
2" caliper canopy trees:	0	9	9	18
Aggregate C	anopy Cali	per Inches	Provided:	27
Aggregate Co	anopy Calip	per Inches	Required:	26
	%	Evergreen	Provided:	67%
	%	Evergreen	Required:	≥ 50%

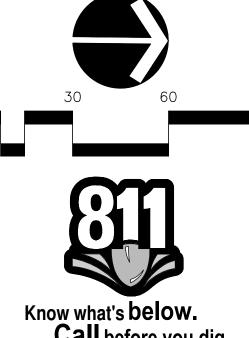
RESIDENTIAL VARIETY - CONVENTIONAL DISTURBED AREA: 1.748 ACRES

	LANDSCAPE REQUIREMENTS:(ACI)								
s ded	LSR 0.10 LSA=3.509 acres	Quantity Provided			Inches Provided				
er s		Existing Trees	Proposed	Total Provided	Caliper Inches				
	Existing Trees=14"+:	2	0	2 @ 1.25	40				
	Existing Trees(See Tree Inventory):	14	0	14	110				
	3" caliper canopy trees:	0	20	20	60				
	Aggregate (210							
	Aggregate (144							
	2" caliper understory trees:	0	11	11	22				
%	1.5" caliper understory trees:	0	10	10	15				
%	Aggregate Und	erstory Cali	per Inches	Provided:	37				
	Aggregate Understory Caliper Inches Required: 37								
	Min.	18" Height	t Shrubs:	59					
	Min. 24	198							
	To								
	Tot								

	7		MA ⁽⁾ LANE COORDI ()	CK HATO-W	AY VAR				
TENNESS	SEE STA	TE P	LANE COORDINA	NTE' SYSTEM	, ZONE	5301,	FIPSZONE	4100; NA	D 83 DA
EX. TF	REE	INV	ENTORY	/					
DEMO /	TREE		DBH						
CREDIŤ	ID		/NAME	CREDIT					
	1475	8"	CHERRY	8"				- }	
	1476	8"	CHERRY	8"			WILL		
	1477	8"	CHERRY	8"					
	1478	8"	CHERRY	8"	0		30	60	
	1479	8"	CHERRY	8"					
	1701	8"	PINE	8"					
	1703	10"	PINE	10"					
	1704	9"	PINE	9"					
	1698	12"	OAK	12"					
С	1521	16"	OAK	20"					
	1523	11"	PINE	11"					
X	1918	6"	CRAB APPLE	6"					
	1914	12"	PINE	12"					
	1935	8"	OAK	8"					
С	1938	16"	OAK	20"					
X	1907	12"	MAPLE	12"		Kno	w what's	below	-
X	1925	12"	MAPLE	12"					
X	1951	11"	MAPLE	11"			Call be	fore you	aig.
X	1948	10"	MAPLE	10"					
X	1947	13"	OAK	13"					
Х	1953	15"	OAK	15"					



SHRUBS TO BE OFFSET 3' FROM EDGE OF PAVERS AND PLANTED IN DOUBLE ROWS AS SHOWN (TYP.)



LANDSCAPE PLAN

JOB NO.

ARKIN

ORRE

LANDSCAPING DATA

SITE ACREAGE: 8.000 AC. DISTURBED AREA: 1.748 AC. SITE ZONING CLASSIFICATION AND APPLICABLE OVERLAYS: RX DEVELOPMENT STANDARDS: CONVENTIONAL MINIMUM REQUIRED LANDSCAPE SURFACE AREA (RATIO AND ACREAGE): 0.10 (0.800 AC.) PROVIDED LANDSCAPE SURFACE AREA (RATIO AND ACREAGE): 0.44 (3.509 AC.)

PERCENT AND ACREAGE OF ORIGINAL CANOPY COVER: 15.00% (1.200 AC.)

PERCENT AND ACREAGE TREE COVER REQUIRED: 8.10% (0.648 AC.) [54%×15.00%]
PERCENT AND ACREAGE OF PRESERVED CANOPY COVER PROVIDED: 14.00% (1.120 AC.)

NUMBER AND DBH OF SPECIMEN TREES REMOVED: 0
BUILDING HEIGHT: EXISTING

EXISTING
PLAYGROUND

TD(7) BG(5)

BG(5) TD(7)

-BIKE RACKS FOR EIGHT BICYCLES

ATTENTION OWNER/INSTALLER: THIS LANDSCAPE PLAN HAS BEEN DESIGNED TO MEET THE MINIMUM REQUIREMENTS

CONSULTING THE LANDSCAPE ARCHITECT WHO DESIGNED THE PROJECT. THE DESIGNING LANDSCAPE ARCHITECT SHALL REVIEW PROPOSED SUBSTITUTIONS TO ENSURE THAT ALL CITY STANDARDS AND REQUIRMENTS ARE MET. THE CITY SHALL BE NOTIFIED IN WRITING UPON FINAL APPROVAL OF ANY PLANT SUBSTITUTIONS.							
OWNER:	MR. MARCO PETERS	(615) 591-0322					
	CONTACT NAME	PHONE NUMBER					
LANDSCAPE ARCHITECT:	BRETT SMITH	(615) 244-8591					

LATER THAN ONE GROWING SEASON AFTER PLANTING. FOR MATERIAL PLANTED IN A REQUIRED BUFFER, ALL MATERIALS SHALL BE FROM THE FRANKLIN PLANT LIST. ADDITIONALLY, ALL

LANDSCAPE REQUIREMENTS:(ACI)

S00°45'23"E 353.87'

LANDSCAPE RECHIREMENTS:(ACI)

EX DBH TO REMAIN EX DBH TO BE REMOVED COF PROJECT #4658 C = TREE CREDIT (x1.25 > 14")

X = TREE REMOVED

CITY OF FRANKLIN LANDSCAPE NOTES:

- ANY PLANT MATERIAL THAT DIES, TURNS BROWN OR DEFOLIATES SHALL BE REPLACED WITHIN ONE YEAR OR BY THE NEXT GROWING SEASON, WHICH EVER COMES FIRST. OTHER DEFECTIVE LANDSCAPE MATERIAL SHALL BE REPLACED WITHIN THREE MONTHS.
- ALL TREES SHALL MEET FRANKLIN'S MINIMUM SIZE AND QUALITY STANDARDS. ALL PLANTS SHALL BE HEALTHY, VIGOUROUS MATERIAL, FREE OF PEST AND DISEASE. ALL ROOTBALLS, CONTAINERS AND HEIGHT TO WIDTH RATIOS SHALL

CONFORM TO THE SIZE STANDARDS SET FORTH IN THE AMERICAN STANDARDS

- FOR NURSERY STOCK, CURRENT EDITION. ALL REQUIRED TREES AND SHRUB S SHALL MEET THE MINIMUM SIZE
- STANDARDS AS LISTED IN THE PLANT SCHEDULE PLANT MATERIAL SHALL NOT OBSCURE TRAFFIC OR PARKING SIGNS/SIGNALS OR VEHICULAR SIGHT LINES.
- TREE TOPPING IS NOT PERMITTED. ADDITIONAL SCREENING MAY BE REQUIRED IF THE INSPECTION FOR THE RELEASE OF THE PERFORMANCE SURETY REVEALS THAT THE REQUIRED SCREENING IS
- ALL REQUIRED TREE PROTECTION FENCING SHALL BE INSTALLED AND INSPECTED
- BY THE CODES DEPARTMENT PRIOR TO LAND DISTURBING ACTIVITIES. ANY SITE OR LANDSCAPING CHANGES (INCLUDING BUT NOT LIMITED TO A CHANGE IN DESIGN, A REDUCTION IN SIZE OR NUMBER OF PLANT MATERIAL, OR THE RELOCATION OF OVERHEAD OR UNDERGROUND UTILITIES) SHALL REQUIRE A

REVISED LANDSCAPE PLAN TO BE SUBMITTED AND APPROVED PRIOR TO THE

- LANDSCAPE INSTALLATION. EXISTING TREES ACCEPTED IN PARTIAL COMPLIANCE OF THE LANDSCAPE REQUIREMENTS FOR THIS SITE SHALL BE ACCESSIBLE AND FLAGGED PRIOR TO ALL LANDSCAPE INSPECTIONS.
- 10. ANY EXSISTING TREE, SHOWN AS BEING PRESERVED ON APPROVED PLANS THAT IS REMOVED, DIES OR IS DAMAGED DURING CONSTRUCTION SHALL BE REPLAED AS REQURIED IN THE ZONING ORDINANCE.
- 11. SCREENING PROPOSED AROUND ANY UTILITY BOX OR TRANFORMER IS REQUIRED TO BE EVERGREEN AND ADEQUATELY SCREEN THE OBJECT. THE PROPOSED EVERGREEN PLANT MATERIAL SHALL BE REPLACED IF IT IS NOT OF A HEIGHT
- SUFFICIENT TO SCREEN THE OBJECT. 12. ALL PLANT MATERIAL SHALL BE FROM THE FRANKLIN PLANT LIST UNLESS PRIOR APPROVAL IS RECEIVED FROM THE CITY.
- 13. ALL TREE PROTECTION FENCING SHALL BE IN PLACE PRIOR TO THE ISSUANCE OF A GRADING PERMIT AND SHALL BE MAINTAINED IN GOOD WORKING ORDER UNTIL ALL CONSTRUCTION ACTIVITY IS COMPLETED. ANY REQUIRED EROSION CONTROL MEASURES SHALL BE PLACED OUTSIDE OF ANY TREE PROTECTION FENCING.
- 14. TOP SOIL USED IN ALL LANDSCAPE AREAS SHALL BE SCREENED PRIOR TO DEPOSITION IN PLANTING AREAS AND ISLANDS.
- 15. ANY PLANT MATERIAL LOCATED ADJACENT TO A PARKING ARA SHALL BE PLANTED SO AS TO ALLOW FOR A TWO AND A HALF FOOT VEHICULAR BUMPER OVERHANG FROM THE FACE OF CURB TO THE EDGE OF THE MATURE ADJACENT PLANT
- 16. THE OWNER ACKNOWLEDGES THAT PLANTING LANDSCAPE MATERIAL IN A DEDICATED EASEMENT DOES NOT WAIVE OR MODIFY THE CITY OF FRANKLIN'S RIGHTS AS THE EASEMENT HOLDER. THE OWNER UNDERSTANDS THAT THE CITY OF FRANKLIN, ITS AUTHORIZED CONTRACTOR OR APPLICABLE PRIVATE UTILITY MAY AT ANY TIME AND FOR ANY REASON PERFORM WORK WITHIN THE DEDICATED EASEMENT. THE CITY, ITS AUTHORIZED CONTRACTOR OR APPLICABLE PRIVATE UTILITY SHALL HAVE NO LIABILITY TO THE OWNER FOR ANY DAMAGE TO LANDSCAPE MATERIAL IN THE EASEMENT WHEN SAID DAMAGE IS DUE TO WORK WITHIN THE EASEMENT. THE OWNER MAY BE HELD RESPONSIBLE FOR THE REMOVAL OF THE LANDSCAPE MATERIAL TO ENABLE WORK TO BE DONE. THE OWNER SHALL BE SOLELY RESPONSIBLE FOR ANY COSTS INCURRED IN REPAIRING AND/OR REPLACING THE REQUIRED LANDSCAPE MATERIAL.

SODDING NOTES

- AREAS INDICATED FOR SOD SHALL BE KENTUCKY 31. MINIMUM AGE SHALL BE 18 MONTHS, WITH ROOT DEVELOPMENT THAT WILL SUPPORT ITS OWN WEIGHT WITHOUT TEARING WHEN SUSPENDED VERTICALLY BY HOLDING THE UPPER TWO CORNERS.
- SUBMIT SOD CERTIFICATION FOR GRASS SPECIES AND LOCATION OF SOD SOURCE. INCLUDE CERTIFICATION THAT SOD IS FREE OF DISEASE, NEMATODES, UNDESIRABLE INSECTS, AND QUARANTINE RESTRICTIONS.
- SOD SHALL BE DELIVERED ON PALLETS. SOD SHALL BE STORED AT A LOCATION THAT IS PROTECTED FROM DAMAGING WINDS.
- 6-12-12 COMMERCIAL TYPE FERTILIZER, WITH 50% OF THE ELEMENT DERIVED FROM ORGANIC SOURCES, SHALL BE APPLIED AT RATE RECOMMENDED BY THE MANUFACTURER. APPLY AFTER SMOOTH RAKING OF TOPSOIL AND NO MORE THAN 48 HOURS BEFORE LAYING SOD. MIX THOROUGHLY IN THE UPPER 2 INCHES OF TOPSOIL AND LIGHTLY WATER TO AID BREAKDOWN.
- AREA TO RECEIVE SOD SHALL BE LIGHTLY MOISTENED IMMEDIATELY PRIOR TO LAYING SOD.
- LAY SOD TIGHTLY WITH NO OPEN JOINTS VISIBLE AND NOT OVERLAPPING. STAGGER END JOINTS A MINIMUM OF 12 INCHES AND DO NOT STRETCH SOD PIECES.
- 7. ON SLOPES 6 INCHES PER FOOT AND STEEPER, LAY SOD PERPENDICULAR TO SLOPE AND SECURE EVERY ROW WITH WOODEN PEGS AT A MAXIMUM 2 FEET O.C. DRIVE PEGS FLUSH WITH SOD PORTION OF
- PRIOR TO PLACING SOD ON SLOPES OF 8 INCHES PER FOOT AND STEEPER. PLACE JUTE EROSION CONTROL MESH OVER TOPSOIL. SECURELY ANCHOR IN PLACE WITH PEGS SUNK FIRMLY INTO THE GROUND. CONTRACTOR SHALL SUBMIT 12"x12" SAMPLES OF JUTE MESH FOR REVIEW TO LANDSCAPE ARCHITECT OR OWNER'S REPRESENTATIVE
- PRIOR TO INSTALLATION. IMMEDIATELY AFTER INSTALLATION, WATER SODDED AREAS TO A DEPTH OF
- 4 INCHES. 10. AFTER SOD AND SOIL HAVE DRIED, ROLL SODDED AREAS TO ENSURE A GOOD BOND BETWEEN SOIL AND SOD. ROLLER SHALL NOT EXCEED 150
- 11. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING (MOWING, TRIMMING, WATERING) THE SOD UNTIL THE INSTALLATION IS INSPECTED AND ACCEPTED BY THE OWNER'S REPRESENTATIVE.
- 12. THE CONTRACTOR SHALL REPLACE SOD AREAS THAT SHOW DETERIORATION FOR A PERIOD OF ONE YEAR AFTER ACCEPTANCE OF THE INSTALLATION. DETERIORATED MATERIAL SHALL BE REPLACED WITH SOD OF EQUAL QUALITY ORIGINALLY SPECIFIED.

PLANTING NOTES:

ACCEPTANCE.

- 1. ANY SERIES OF TREES TO BE PLACED IN A PARTICULAR ARRANGEMENT WILL BE FIELD CHECKED FOR ACCURACY. ANY PLANTS MISARRANGED WILL BE RELOCATED.
- 2. SOIL USED IN BACKFILLING PLANTING PITS SHALL BE TOPSOIL AND MIXED WITH 25% PEAT BY VOLUME. EXCEPT FOR ERICACEOUS PLANTS, VERY ACID OR SOUR SOIL (SOIL HAVING A PH LESS THAN 6) SHALL BE MIXED WITH SUFFICIENT LIME TO PRODUCE A SLIGHTLY ACID REACTION (A pH OF 6.0 TO 6.5). 10-10-10 COMMERCIAL FERTILIZER AT THE RATE OF 2 POUNDS PER CUBIC YARD SHALL BE ADDED. BOTH FERTILIZER AND PEAT SHALL BE THOROUGHLY MIXED BY HAND OR ROTARY TILLER.
- 3. SOIL USED IN BACKFILLING ERICACEOUS PLANTS SHALL BE TOPSOIL MIXED WITH 50% PEAT BY VOLUME. 5-10-5 COMMERCIAL FERTILIZER AT THE RATE OF 5 POUNDS PER CUBIC YARD SHALL BE ADDED. BOTH FERTILIZER AND PEAT SHALL BE THOROUGHLY MIXED BY HAND OR ROTARY TILLER.
- 4. UPON SECURING PLANT MATERIAL, AND BEFORE INSTALLATION, THE CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT FOR A PRE-INSTALLATION INSPECTION IN ORDER TO VERIFY ALL PLANT MATERIAL MEETS SPECIFICATIONS. TREES OF SAME SPECIES TO BE MATCHED IN GROWTH CHARACTER AND UNIFORMITY.
- 5. HERBICIDE (TREFLAN OR EQUIVALENT) SHALL BE APPLIED TO ALL PLANT BEDS PRIOR TO PLANTING FOR NOXIOUS WEED CONTROL AT A RATE OF 2 POUNDS PER 1,000 SQUARE FEET. 6. CONTRACTOR SHALL SUBMIT A 10 OUNCE SAMPLE OF THE TOPSOIL PROPOSED TO

A TESTING LABORATORY FOR ANALYSIS. TEST RESULTS, WITH RECOMMENDATIONS

FOR SUITABILITY, SHALL BE SUBMITTED TO THE OWNER'S REPRESENTATIVE FOR

- **APPROVAL** 7. PLANTS SHALL BE ORIENTED FOR BEST APPEARANCE AND VERTICAL. ALL NON-
- BIODEGRADABLE ROOT CONTAINERS SHALL BE REMOVED. 8. TREE BRANCHES SHALL BE SELECTIVELY TRIMMED BY 25%, MAINTAINING NATURAL SHAPE. ALL DEAD AND BROKEN BRANCHES IN TREES AND SHRUBS SHALL ALSO
- BE PRUNED. REMOVE TAGS, TWINE OR OTHER NON-BIODEGRADABLE MATERIAL. 9. SCARIFY SUBSOIL IN PLANTING BEDS TO A DEPTH OF 3 INCHES. ALL PLANTING BEDS SHALL RECEIVE A MINIMUM OF 6 INCHES OF TOPSOIL.
- 10. CONTRACTOR SHALL PROVIDE SMOOTH, NEATLY TRENCHED (3 INCH DEEP) BED 11. ALL PLANTING BEDS TO HAVE A MINIMUM 4 INCH DEEP HARDWOOD MULCH
- 12. DIMENSIONS FOR TRUNK CALIPER, HEIGHTS, AND SPREAD SPECIFIED ON THE MATERIAL SCHEDULE ARE A GENERAL GUIDE FOR THE MINIMUM REQUIRED SIZE OF EACH PLANT. QUALITY & SIZE OF PLANTS, SPREAD OF ROOTS AND SIZE OF BALLS SHALL BE IN ACCORDANCE WITH A.N.S.I. Z80 "AMERICAN STANDARD FOR NURSERY STOCK" (CURRENT EDITION) AS PUBLISHED BY THE AMERICAN ASSOCI- ATION OF NURSERYMEN. INC.
- 13. THE QUANTITIES INDICATED ON THE MATERIAL SCHEDULE ARE PROVIDED FOR THE BENEFIT OF THE CONTRACTOR, BUT SHOULD NOT BE ASSUMED TO ALWAYS BE CORRECT. IN THE EVENT OF A DISCREPANCY, THE PLANTING PLAN WILL TAKE PRECEDENCE OVER THE MATERIAL SCHEDULE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HIS/HER OWN QUANTITY CALCULATIONS AND THE LIABILITY PERTAINING TO THOSE QUANTITIES AND ANY RELATED CONTRACT DOCUMENTS AND OR PRICE QUOTATIONS. 14. CONTRACTOR TO WARRANTY ALL MATERIAL FOR ONE YEAR AFTER DATE OF FINAL

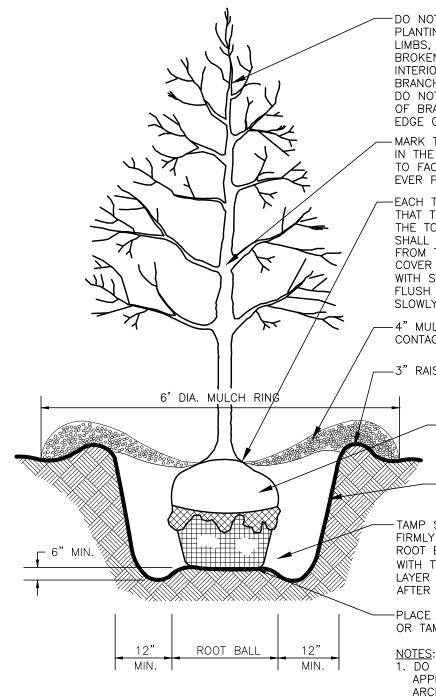
CITY OF FRANKLIN MINIMUM PLANT QUALITY AND SIZE STANDARDS

- 1. ALL NEWLY PLANTED LANDSCAPE PLANT MATERIALS SHALL CONFORM TO THE LATEST VERSION OF THE AMERICAN STANDARD OF NURSERY STOCK (ANSI Z60.1) 2. ALL TYPE 1, 2, AND 3 TREES (AS DEFINED IN ANSI Z60.1) USED TO MEET THE
 - REQUIREMENTS OF THIS SUBSECTION SHALL HAVE THE FOLLOWING CHARACTERISTICS: A. DECIDUOUS TREES SHALL HAVE ONE DOMINANT TRUNK WITH THE TIP
 OF THE LEADER ON THE MAIN TRUNK LEFT INTACT AND THE TERMINAL BUD ON THE CENTRAL LEADER AT THE HIGHEST POINT ON
 - B. TREES WITH FORKED TRUNKS ARE ACCEPTABLE IF ALL THE FOLLOWING CONDITIONS ARE MET: 1. THE FORK OCCURS IN THE UPPER ONE-THIRD OF THE TREE; 2. ONE FORK IS LESS THAT TWO-THIRDS THE DIAMETER OF THE DOMINANT FORK: AND
 - 3. THE TOP ONE-THIRD OF THE SMALLER FORK IS REMOVED AT THE TIME OF PLANTING: C. NO BRANCH IS GREATER THAN TWO-THIRDS THE DIAMETER OF THE
 - TRUNK DIRECTLY ABOVE THE BRANCH; D. SEVERAL BRANCHES ARE LARGER IN DIAMETER AND OBVIOUSLY MORE E. BRANCHING HABIT IS MORE HORIZONTAL THAN VERTICAL, AND NO
 - BRANCHES ARE ORIENTED NEARLY VERITCAL TO THE TRUNK: AND BRANCHES ARE EVENLY DISTRIBUTED AROUND THE TRUNK WITH NO MORE THAN ONE MAJOR BRANCH LOCATED DIRECTLY ABOVE ANOTHER AND THE CROWN IS FULL OF FOLIAGE THAT IS EVENLY DISTRIBUTED AROUND THE TREE.

MINIMUM BUFFERING/SCREENING REQUIREMENTS:

HVAC units, cooling and/or mechanical equipment are mounted on the | Rooftop

- Ground 🛛 Not applicable
- THIS DEVELOPMENT IS ALSO REQUIRED TO HAVE THE FOLLOWING BUFFER/ SCREENING YARDS, AND THE REQUIRED LANDSCAPING IMPROVEMENTS, PER THE ZONING ORDINANCE:
- Buffer/Screen Type: Mack Hatcher Street Buffer Screen addition from Mack Hatcher Parkway



TREE PLANTING NOT TO SCALE

DO NOT HEAVILY PRUNE THE TREE AT PLANTING. PRUNE ONLY CROSSOVER LIMBS, CO-DOMINANT LEADERS, AND BROKEN OR DEAD BRANCHES, SOME INTERIOR TWIGS AND LATERAL BRANCHES MAY BE PRUNED; HOWEVER, DO NOT REMOVE THE TERMINAL BUDS OF BRANCHES THAT EXTEND TO THE EDGE OF THE CROWN.

- MARK THE NORTH SIDE OF THE TREE IN THE NURSERY, AND ROTATE TREE TO FACE NORTH AT THE SITE WHEN EVER POSSIBLE.

-EACH TREE MUST BE PLANTED SUCH THAT THE TRUNK FLARE IS VISIBLE AT THE TOP OF THE ROOT BALL, NO MULCH SHALL BE WITHIN A MININUM OF 3" FROM THE TRUNK OF THE TREE. DO NOT COVER THE TOP OF THE ROOT BALL WITH SOIL. SET TOP OF ROOT BALL FLUSH TO GRADE OR 1-2" HIGHER IN SLOWLY DRAINING SOILS.

-4" MULCH, DO NOT PLACE MULCH IN CONTACT WITH TREE TRUNK.

-3" RAISED EARTH RING

- REMOVE ALL TWINE, ROPE, WIRE, AND BURLAP FROM TOP 1/3 OF ROOTBALL

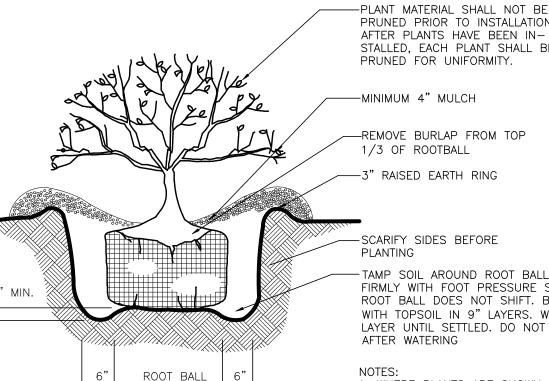
-SCARIFY SIDES BEFORE PLANTING

TAMP SOIL AROUND ROOT BALL BASE FIRMLY WITH FOOT PRESSURE SO THAT ROOT BALL DOES NOT SHIFT. BACKFILL WITH TOPSOIL IN 9" LAYERS. WATER EACH LAYER UNTIL SETTLED. DO NOT TAMP AFTER WATERING

-PLACE ROOT BALL ON UNEXCAVATED OR TAMPED SOIL.

1. DO NOT STAKE TREES UNLESS APPROVED BY THE LANDSCAPE ARCHITECT. IF STAKED, REMOVE AFTER ONE GROWING SEASON. 2. DO <u>NOT</u> WRAP TREE TRUNKS UNLESS APPROVED BY THE LANDSCAPE ARCHITECT. REMOVE

WRAP AFTER PLANTING. 3. NON-BIODEGRADABLE BURLAP TO BE REMOVED OR ROLLED UNDER ROOT BALL AFTER PLANT IS PLACED IN HOLE.



SHRUB PLANTING NOT TO SCALE

PRUNED PRIOR TO INSTALLATION. AFTER PLANTS HAVE BEEN IN-STALLED, EACH PLANT SHALL BE PRUNED FOR UNIFORMITY.

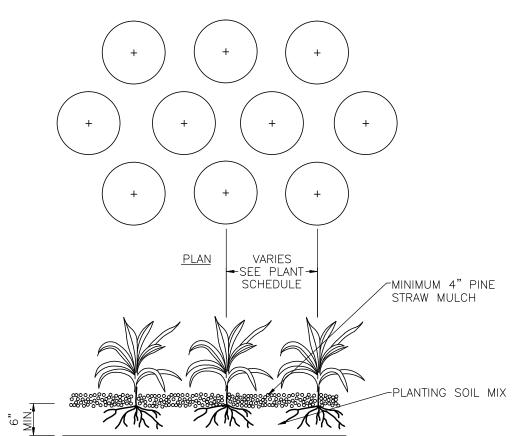
-REMOVE BURLAP FROM TOP

_____3" RAISED EARTH RING

TAMP SOIL AROUND ROOT BALL BASE FIRMLY WITH FOOT PRESSURE SO THAT ROOT BALL DOES NOT SHIFT. BACKFILL WITH TOPSOIL IN 9" LAYERS, WATER FACH LAYER UNTIL SETTLED. DO NOT TAMP

1. WHERE PLANTS ARE SHOWN IN BEDS, MULCH SHALL COVER ENTIRE BED AS DENOTED ON THE PLANS. 2. CONTAINER GROWN PLANT MATERIAL MAY BE SUBSTITUTED

FOR BURLAP MATERIAL.



GROUNDCOVER PLANTING

NOT TO SCALE

COF PROJECT #4658

-SUBGRADE LOOSENED TO 12" DEPTH

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LANDSCAPE DETAILS

COLOR SHALL MATCH EXISTING. PROVIDE 30 SQUARE POLE MATCHING EXISTING POLES.

PROVIDE TRAPEZOIDAL CONCRETE BASE

MATCHING EXISTING

MITH

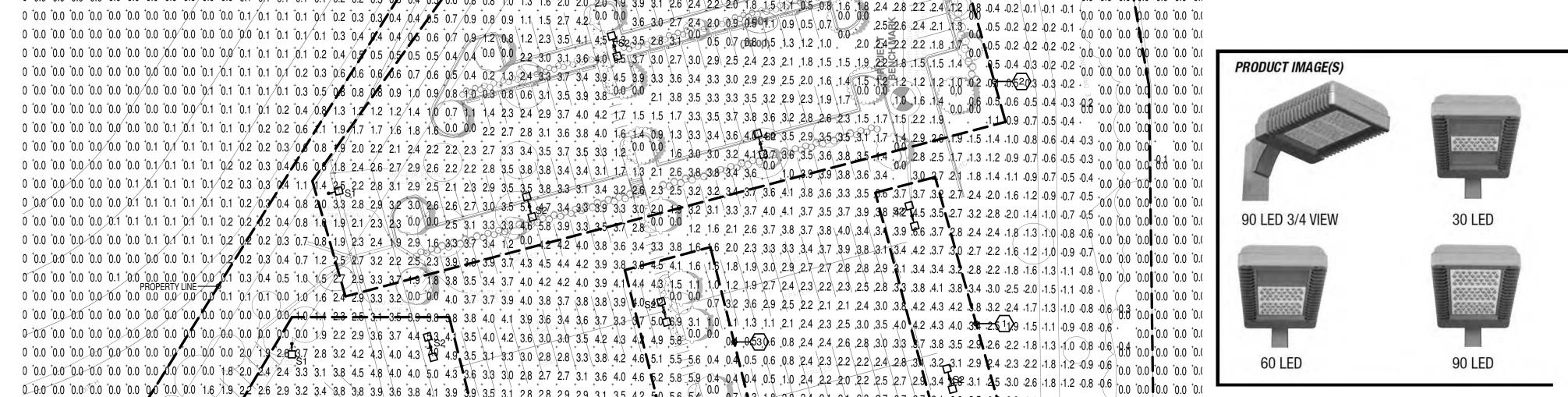
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Lighting Fixture Schedule							
Model	Electrical Data	Lamp	Type Comments				
1-A-90L-U-4K-3-105-XX	277 V/1-336 VA	LED	COLOR SHALL MATCH EXISTING. PROVIDE 30' SQUARE POLE MATCHING EXISTING POLES. PROVIDE TRAPEZOIDAL CONCRETE BASE MATCHING EXISTING.				

277 V/1-672 VA LED



Description

VERTICALLY FINNED, DIE-CAST, SOLID

LED, TYPE III OPTIC SITE FIXTURE

TOP HOUSING, SEPARATE OPTICAL AND

ELECTRICAL COMPARTMENTS, ONE PIECE DIE CUT SILICONE GASKET, SINGLE HEAD,

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ELECTRICAL SITE PHOTOMETRICS

1" = 40'-0"

GENERAL SITE PLAN NOTES

Manufacturer

S2 | SAME AS TYPE "S1", EXCEPT WITH TWO | SPAULDING | CL1-A-90L-U-4K-3-105-XX

SPAULDING CL

ALL FIXTURES SHALL BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER. DEMOLISHED/REWORKED IN A NEAT AND WORKMANLIKE MANNER EXISTING CONDITIONS SHOWN IN THESE DRAWINGS ARE TAKEN FROM ORIGINAL DRAWINGS AND FIELD INVESTIGATION. ALL EXISTING CONDITIONS MUST BE

IT IS THE CONTRACTOR'S RESPONSIBILITY TO INSURE THAT ALL CONDUITS, NEW OR EXISTING, AFFECTED BY THE PROJECT ARE IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE.

ALL ITEMS REMOVED UNDER THIS PROJECT SHALL BE DISPOSED OF OR TURNED OVER TO THE OWNER AT THE OWNER'S DISCRETION.

CONTRACTOR SHALL COORDINATE WITH THE OWNER PRIOR TO COMMENCING WORK AND DURING CONSTRUCTION FOR POWER AND/OR SYSTEM OUTAGES AS

WELL AS GENERAL REQUIREMENTS. EQUIPMENT SHALL BE OF MATERIALS SUITABLE FOR AND RATED FOR THE

ENVIRONMENT IN WHICH THEY ARE TO BE INSTALLED.

SITE PLAN NOTES

- PROVIDE NEW SITE FIXTURE HEADS ON EXISTING SITE POLES IN THIS AREA.
- $\langle 3 \rangle$ DEMOLISH EXISTING POLES AND PROVIDE NEW POLES IN THIS AREA.

SITE LIGHTING DATA

Development Standard: Convential Land Use: Non-Residental Zoning District: SD-R

Height of Proposed/Existing Building: Not Applicable Pole Height: 30' (Matching Existing) Pole/Fixture Color: Bronze (Matching Existing) Color of Light: 4000K

THIS LIGHTING PLAN HAS BEEN DESIGNED TO MEET THE CITY OF FRANKLIN CHANGES SHALL NOT BE MADE TO THE APPROVED LIGHTING PLAN UNLESS APPROVED BY EITHER THE RELEVANT DEPARTMENT SUPERINTENDENT OR THE PLANNING



ARKING 1 MC AMIL ANKLIN \square Ш

1401 **ELECTRICAL SITE PHOTOMETRIC PLAN**

E1.1