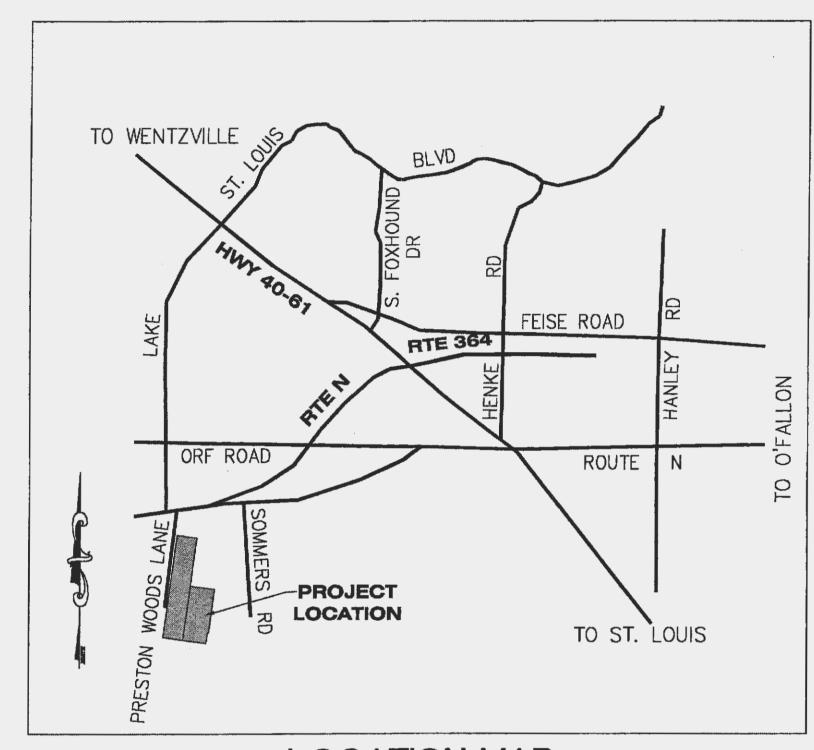
PRESTON WOODS - PHASE II

A TRACT OF LAND IN U.S. SURVEY 931, TOWNSHIP 46 NORTH, RANGE 2 EAST OF THE FIFTH PRINCIPAL MERIDIAN ST. CHARLES COUNTY, MISSOURI

COMMUNITY BUILDING AND POOL SITE PLANS



LOCATION MAP

PERTINENT DATA

SITE ACREAGE EXISTING ZONING SCHOOL DISTRICT WUNNENBERG'S ZIP CODE:

MUNICIPALITY

= 168.554 Ac. = R-1D PUD

= WENTZVILLE SCHOOL DISTRICT = GRID ZZ-20, PG. 44

= 63366 = O'FALLON, MISSOURI

UTILITIES

WATER SERVICE = PUBLIC WATER SUPPLY DISTRICT #2

100 WATER DRIVE P.O. BOX 967 O'FALLON, MO. 63366 CONTACT: KENT KOTTHOFF

(636) 561-3737 EXT.131 SEWER DISTRICT = DUCKETT CREEK SEWER DISTRICT

3550 HIGHWAY K O'FALLON, MO 63368 CONTACT: CHRISTINE BEASLEY (636) 441-1244

PHONE SERVICE = CENTURYTEL TELEPHONE 1151 CENTURY TEL DRIVE

CABLE SERVICE

WENTZVILLE, MO. 63385 CONTACT: CARL OWENS

= CHARTER COMMUNICATIONS 815 CHARTER COMMONS TOWN & COUNTRY, MO 63107 CONTACT: LARRY SAAFIR

= WENTZVILLE FIRE PROTECTION DISTRICT FIRE DISTRICT

209 WEST PEARCE BLVD. WENTZVILLE, MO. 63385 CONTACT: JOE HEITKAMP (636) 327-6239

ELECTRIC SERVICE = CUIVRE RIVER ELECTRIC COMPANY 1112 EAST CHERRY STREET

P.O. BOX 160 TROY, MO. 63379 CONTACT: TERRY STONE (636) 441-7410

GAS SERVICE

= LACLEDE GAS COMPANY 1999 TRADE CENTER DRIVE EAST ST. PETERS, MO. 63376 CONTACT: CLARENCE HANKS (636) 978-2663 EXT. 101



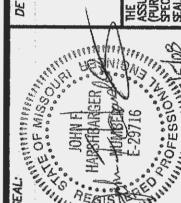
CALL 1-800-DIG-RITE (MISSOURI ONE CALL) TO HAVE LOCATIONS MARKED IN THE FIELD (SUBSCRIBING UTILITIES REQUIRE 48 HOURS

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WOODS POOL PLAI

W A

PRESTON

DESIGNED BY JKW

DRAWN BY KDK CHECKED BY

CITY OF O'FALLON

COMMUNITY DEVELOPMENT DEPARTMENT

ACCEPTED FOR CONSTRUCTION

PROFESSIONAL ENGINEER'S SEAL

INDICATES RESPONSIBILITY FOR DESIGN

MEET ADA REQUIREMENTS AND SHALL BE

BY: ________ DATE: 2-8-6

8/31/07 Job Number

JFH

07-0041 Sheet Number

TRUNCATED DOMES FOR CURB RAMPS SHALL CONSTRUCTED USING RED PRE CAST TRUNCATED DOMES SUCH AS THOSE MANUFACTURED BY ARMOR TILE OR APPROVED EQUAL.

BENCHMARK INFORMATION

NGS STATION F 149, NAVD 88 ELEVATION OF 542.80 FEET, BENCHMARK DISK STAMPED "CGS F 149 1935" SET IN TOP OF CONCRETE MONUMENT, LOCATED IN THE CITY OF O'FALLON, ST. CHARLES COUNTY, MO, AND IN FRONT OF THE CITY OF O'FALLON MUNICIPAL CENTER.

LEGEND

EXISTING TREE LINE

EXISTING CONTOURS

PROPOSED CONTOURS

EXISTING SANITARY SEWERS

EXISTING STORM SEWERS

EXISTING SPOT ELEVATION

PROPOSED SPOT ELEVATION

TO BE REMOVED & RELOCATED

EXISTING UNDERGROUND TELEPHONE

TO BE ABANDONED & FILLED

TO BE USED IN PLACE

EXISTING GAS MAIN

EXISTING WATER MAIN

EXISTING FIRE HYDRANT

EXISTING POWER POLE

PROPOSED TREE LINE

PROPOSED MANHOLE

PROPOSED STORM

SILT FENCE

CHECK DAM

GRAVEL DRIVE

PROPOSED AREA INLET

FLARED END SECTION

ASPHALT PAVEMENT

CENTERLINE

EASEMENT

DRAINAGE PATH

TO BE REMOVED

The stand of the s

120 ----

(TOP OF CURB ELEV)

(PVMT ELEV)

(T.B.R.)

(T.B.R. & R.)

(T.B.A. & F.)

(U.I.P.)

NGS STATION A 149, NAVD 88 ELEVATION OF 630.08 FEET, BENCHMARK DISK STAMPED "CGS A 149 1935" SET IN TOP OF RAILROAD BRIDGE WINGWALL, LOCATED IN WENTZVILLE, ST. CHARLES COUNTY, MO.

SITE BENCHMARK: COLE AND ASSOCIATES ALUMINUM CAP ATOP 5/8 REBAR, NAVD 88 ELEVATION OF 638.755 FEET, LOCATED 10'+/- NORTH AND 33'+/- WEST OF NE CORNER OF SITE, NEAR DETENTION POND.

UTILITY INFORMATION:

UTILITIES SHOWN HAVE BEEN TAKEN FROM AVAILABLE SURVEYS, UTILITY COMPANY MAPS AND PHYSICAL PROPERTY INSPECTION. THE LOCATIONS AND FACILITIES SHALL BE CONSIDERED APPROXIMATE ONLY. THERE MAY BE ADDITIONAL UTILITIES THAT HAVE NOT BEEN SHOWN ON THIS SURVEY. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE LOCATIONS OF ALL UTILITIES PRIOR TO EXCAVATION OR

NOTICE PRIOR TO CONSTRUCTION).

3.) ALL TRENCHES UNDER AREAS TO BE PAVED AND UNDER EXISTING PAVING SHALL BE GRANULARLY FILLED WITH 3/4" MINUS CRUSHED LIMESTONE ONLY. BACK FILL SHALL BE PLACED IN ACCORDANCE WITH CITY OF O'FALLON STANDARD CONSTRUCTION SPECIFICATIONS.

4.) ALL TRENCH BACK FILLS UNDER PAVEMENT WITHIN THE PUBLIC RIGHT-OF-WAY SHALL BE GRANULAR BACKFILLED. TRENCH BACK FILLS UNDER PAVED AREAS, OUTSIDE OF PUBLIC RIGHT-OF-WAY SHALL BE GRANULAR BACK FILL ALSO IN LIEU OF THE COMPACTED EARTH BACKFILL.

5.) "O" RING RUBBER GASKETED WATER TIGHT JOINTS SHALL BE USED FOR ALL STORM SEWER REACHES ON THE STORM SEWER PROFILE SHEETS.

6.) A 5/8" TRASH BAR WILL BE INSTALLED AND CENTERED ACROSS ALL AREA INLET AND CURB INLET OPENINGS.

7.) RIP-RAP SHOWN AT FLARED ENDS WILL BE EVALUATED IN THE FIELD AFTER INSTALLATION FOR EFFECTIVENESS AND FIELD MODIFIED, IF NECESSARY, TO REDUCE EROSION ON AND OFF-SITE.

8.) BRICK SHALL NOT BE USED IN THE CONSTRUCTION OF STORM SEWER STRUCTURES.

9.) ALL CONCRETE PIPES WILL BE INSTALLED WITH O-RING RUBBER TYPE GASKETS.

10.) CONNECTIONS AT ALL STORM SEWER STRUCTURES TO BE MADE WITH A-LOK JOINT OR EQUAL.

11.) ALL STORM SEWER INLETS SHALL BE INSTALLED WITH A MARKER, BELOW IS THE RECOMMENDATIONS:

BELOW OR AN APPROVED FOUNT (DEEL AND STICK) APPERIOR PADS WILL NOT BE ALLOW!

THE CITY WILL ALLOW THE FOLLOWING MARKERS AND ADHESIVE PROCEDURES ONLY AS SHOWN IN THE TABLE

MANUFACTURER	SIZE	ADHESIVE	STYLE	MESSAGE (PART #)	WEBSITE
ACP INTERNATIONAL	3 7/8"	EPOXY	CRYSTAL CAP	NO DUMPING DRAINS ID WATERWAYS (SD-W-CC)	WWW.ACPINTERNATIONAL.COM
DAS MANUFACTURING, INC.	4"	EPOXY	STANDARD STYLE	NO DUMPING DRAINS TO STREAM (SD-W-CC)	WWW.DASMANUFACTURING.COM

SANITARY SEWER NOTES

1.) UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE INFORMATION AND THEREFORE LOCATION SHALL BE CONSIDERED APPROXIMATE ONLY. THE VERIFICATION OF THE LOCATION OF ALL UNDERGROUND UTILITIES. EITHER SHOWN OR NOT SHOWN ON THESE PLANS, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE LOCATED PRIOR TO ANY GRADING OF CONSTRUCTION OF IMPROVEMENTS.

2.) GAS, WATER AND OTHER UNDERGROUND UTILITIES SHALL NOT CONFLICT WITH THE DEPTH OR HORIZONTAL LOCATION OF EXISTING OR PROPOSED SANITARY AND STORM SEWERS, INCLUDING HOUSE LATERALS.

3.) ALL EXISTING SITE IMPROVEMENTS DISTURBED, DAMAGED, OR DESTROYED SHALL BE REPAIRED OR REPLACED TO CLOSELY MATCH PRE-CONSTRUCTION

4.) ALL FILL INCLUDING PLACES UNDER PROPOSED STORM AND SANITARY SEWER LINES AND PAVED AREAS INCLUDING TRENCH BACK FILLS WITHIN AND OFF THE ROAD RIGHT-OF-WAY SHALL BE COMPACTED TO 90 PERCENT OF MAXIMUM DENSITY AS DETERMINED BY THE "MODIFIED ASTHMA T-180 COMPACTION TEST (ASTM D1557)". ALL TESTS SHALL BE VERIFIED BY A SOILS ENGINEER CONCURRENT WITH GRADING AND BACK FILLING OPERATIONS. THE COMPACTED FILL SHALL BE FREE OF RUTTING AND SHALL BE NON-YIELDING AND NON-PUMPING DURING PROOF ROLLING AND COMPACTION.

5.) THE CONTRACTOR SHALL PREVENT ALL STORM, SURFACE WATER, MUD AND CONSTRUCTION DEBRIS FROM ENTERING THE EXISTING SANITARY SEWER SYSTEM.

6.) ALL SANITARY SEWER FLOW LINES AND TOPS BUILT WITHOUT ELEVATIONS FURNISHED BY THE ENGINEER WILL BE THE RESPONSIBILITY OF THE SEWER

7.) EASEMENTS SHALL BE PROVIDED FOR ALL PUBLIC SANITARY SEWERS.

8.) ALL CONSTRUCTION AND MATERIALS SHALL CONFORM TO THE CURRENT CONSTRUCTION STANDARDS OF THE DUCKETT CREEK SANITARY DISTRICT.

9.) THE DUCKETT CREEK SANITARY DISTRICT SHALL BE NOTIFIED AT LEAST 48 HOURS PRIOR TO CONSTRUCTION FOR COORDINATION OF INSPECTION.

10.) ALL SANITARY SEWER BUILDING CONNECTIONS SHALL BE DESIGNED SO THAT THE MINIMUM VERTICAL DISTANCE FROM THE LOW POINT OF THE BASEMENT TO THE FLOW LINE OF A SANITARY SEWER AT THE CORRESPONDING BUILDING CONNECTION SHALL NOT BE LESS THAN THE DIAMETER OF THE PIPE PLUS THE VERTICAL DISTANCE OF 2-1/2 FEET.

11.) ALL SANITARY SEWER MANHOLES SHALL BE WATERPROOFED ON THE EXTERIOR IN ACCORDANCE WITH THE MISSOURI DEPT. OF NATURAL RESOURCES SPECIFICATION 10 CSR-8.120(7)(E).

12.) ALL PVC SANITARY SEWER PIPE SHALL CONFORM TO THE REQUIREMENTS OF ASTM D-3034 STANDARD SPECIFICATION FOR PVC POLYVINYL CHLORIDE SEWER PIPE, SDR-35 OR EQUAL, WITH "CLEAN" 1/2 INCH TO 1 INCH GRANULAR STONE BEDDING UNIFORMLY GRADED. THIS BEDDING SHALL EXTEND FROM 4 INCHES BELOW THE PIPE TO SPRING LINE OF PIPE. IMMEDIATE BACK FILL OVER PIPE SHALL CONSIST OF SAME SIZE "CLEAN" OR "MINUS" STONE FROM SPRING LINE OF PIPE TO 6 INCHES ABOVE THE TOP OF PIPE.

13.) ALL SANITARY AND STORM SEWER TRENCH BACK FILLS SHALL BE WATER JETTED. GRANULAR BACK FILL WILL BE USED UNDER PAVEMENT AREAS.

14.) ALL PIPES SHALL HAVE POSITIVE DRAINAGE THROUGH MANHOLES. FLAT INVERT STRUCTURES NOT ALLOWED.

15.) ALL CREEK CROSSINGS SHALL BE LINED WITH RIP-RAP AS DIRECTED BY DISTRICT INSPECTORS.

16.) BRICK SHALL NOT BE USED ON SANITARY SEWER MANHOLES.

17.) EXISTING SANITARY SEWER SERVICE SHALL NOT BE INTERRUPTED.

18.) MAINTAIN ACCESS TO EXISTING STREETS.

19.) PRE-MANUFACTURED ADAPTERS SHALL BE USED AT ALL PVC TO DIP CONNECTIONS. RUBBER BOOT/MISSION-TYPE COUPLINGS WILL NOT BE

20.) ANY PERMITS, LICENSES, EASEMENTS, OR APPROVALS REQUIRED TO WORK ON PUBLIC OR PRIVATE PROPERTIES OR ROADWAYS ARE THE RESPONSIBILITY

21.) 'TYPE N' LOCK-TYPE COVER AND LOCKING DEVICE (LOCK-LUG) SHALL BE USED WHERE LOCK-TYPE COVERS ARE REQUIRED.

22.) ALL MANHOLES ARE 42" IN DIAMETER UNLESS NOTED OTHERWISE.

23.) ALL LATERALS TO BE 4" PVC (MIN.).

NON-SEDIMENT POLLUTION PREVENTION NOTES

CONTROL MEASURES DESIGNED TO PROHIBIT CHEMICALS, HAZARDOUS MATERIALS, SOLID WASTE AND CONSTRUCTION DEBRIS FROM POLLUTING STORM WATER. POLLUTANTS CARRIED IN SOLUTION OR AS SURFACE FILMS ON RUNOFF WILL BE CARRIED THROUGH MOST EROSION CONTROL AND SEDIMENT CAPTURE BMPS. KEEPING SUBSTANCES LIKE FUEL, OIL, ASPHALT, PAINT, SOLVENTS, FERTILIZER, SOIL ADDITIVES, CONCRETE WASH WATER, SOLID WASTE AND CONSTRUCTION DEBRIS FROM POLLUTING RUNOFF CAN BE ACCOMPLISHED TO A LARGE EXTENT THROUGH GOOD HOUSE KEEPING ON THE SITE AND FOLLOWING THE MANUFACTURER'S RECOMMENDATIONS FOR DISPOSAL.

WHERE BMP IS TO BE INSTALLED:
COLLECTION, STORAGE AND FUELING AREAS SHOULD BE LOCATED ONSITE IN AN AREA THAT DOES NOT RECEIVE A SUBSTANTIAL AMOUNT OF RUNOFF FRO UPLAND AREAS AND DOES NOT DRAIN DIRECTLY TO LAKES, CREEKS, STREAMS, RIVERS, SEWERS, GROUNDWATER, WETLANDS, OR ROAD DITCHES.

CONDITIONS FOR EFFECTIVE USE OF BMP: REDUCTION IN POLLUTANTS DEPENDS HEAVILY ON HOW CONSTRUCTION PERSONNEL PERFORM THEIR DUTIES. EFFECTIVE MANAGEMENT SYSTEM REQUIRES TRAINING AND SIGNAGE TO PROMOTE PROPER STORAGE, HANDLING AND DISPOSAL OF MATERIALS. FOLLOW UP OBSERVATIONS OF ACTIONS AND INSPECTION OF STORAGE AREAS BY MANAGEMENT PERSONNEL IS ALSO REQUIRED. FUELING AREAS AND STORAGE AREAS FOR HAZARDOUS MATERIALS SHOULD BE PROTECTED BY BERMS OR OTHER MEANS OF CATCHING LEAKS OR

WHEN BMP IS TO BE INSTALLED: IMMEDIATELY FOLLOWING INSTALLATION OF CONSTRUCTION ENTRANCE AND WASH STATION.

INSTALLATION/CONSTRUCTION PROCEDURES: PLACE WASTE RECEPTACLES NEAR AREA OF WORK.

CONSTRUCT PROTECTIVE BERM OR OTHER DEVICES AROUND FUELING AND HAZARDOUS MATERIALS STORAGE INSTALL APPROPRIATE SIGNAGE

POST GUIDELINES FOR PROPER HANDLING, STORAGE AND DISPOSAL OF MATERIALS, AND EMERGENCY SPILL CLEANUP ON SITE.

INSPECT ACTIVITIES ON REGULAR BASIS. INSPECT STORAGE AREAS AND CONTROL DEVICES AT LEAST EVERY TWO WEEKS AND AFTER EVERY STORM. MAKE NECESSARY CORRECTIONS AND REPAIRS.

SITE CONDITIONS FOR REMOVAL:
MAINTAIN PRACTICES UNTIL ALL CONSTRUCTION ON THE SITE HAS BEEN COMPLETED.

POLLUTION PREVENTION NOTES

POLITION PREVENTION PROCEDURES . HANDLING AND DISPOSAL OF HAZARDOUS MATERIALS

DO: PREVENT SPILLS USE PRODUCTS UP

FOLLOW LABEL DIRECTIONS FOR DISPOSAL REMOVE LIDS FROM EMPTY BOTTLES AND CANS WHEN DISPOSING IN TRASH

RECYCLE WASTES WHENEVER POSSIBLE DON'T: DON'T POUR WASTE INTO SEWERS OR WATERWAYS ON THE GROUND

DON'T POUR WASTE DOWN THE SINK, FLOOR DRAIN OR SEPTIC TANKS DON'T BURY CHEMICALS OR CONTAINERS, OR DISPOSE OF THEM WITH CONSTRUCTION

DON'T BURN CHEMICALS OR CONTAINERS DON'T MIX CHEMICALS TOGETHER 2. CONTAINERS SHALL BE PROVIDED FOR COLLECTION OF ALL WASTER MATERIAL INCLUDING CONSTRUCTION DEBRIS, TRASH, PETROLEUM PRODUCTS AND ANY HAZARDOUS MATERIALS TO BE USED ONSITE. ALL WASTE MATERIAL SHALL BE DISPOSED OF AT FACILITIES APPROVED FOR THAT

MATERIAL 3. NO WASTE MATERIALS SHALL BE BURIED ON-SITE. 4. MIXING, PUMPING, TRANSFERRING OR OTHERWISE HANDLING CONSTRUCTION CHEMICALS SUCH AS FERTILIZER, LIME, ASPHALT, CONCRETE DRYING COMPOUNDS, AND ALL OTHER POTENTIALLY

HAZARDOUS MATERIALS SHALL BE PERFORMED IN AN AREA AWAY FROM ANY WATERCOURSE, DITCH 5. EQUIPMENT FUELING AND MAINTENANCE, OIL CHANGING, ETC., SHALL BE PERFORMED ONLY IN AN AREA DESIGNATED FOR THE PURPOSE. THE DESIGNATED AREA IS EQUIPPED FOR RECYCLING OIL AND

6. CONCRETE WASH WATER SHALL NOT BE ALLOWED TO FLOW DIRECTLY TO STORM SEWERS, STREAMS, DITCHES, LAKES, ETC WITHOUT BEING TREATED. A SUMP OR PIT SHALL BE CONSTRUCTED TO

CONTAIN CONCRETE WASH WATER. 7. IF SUBSTANCES SUCH AS OIL, DIESEL FUEL, HYDRAULIC FLUID, ANTIFREEZE, ETC. ARE SPILLED, LEAKED, OR RELEASED ONTO SOIL, THE SOIL SHALL BE DUG UP AND DISPOSED OF AT A LICENSED SANITARY LANDFILL (NOT A CONSTRUCTION/DEMOLITION DEBRIS LANDFILL). SPILLS ON PAVEMENT SHALL BE ABSORBED WITH SAWDUST, KITTY LITTER OR PRODUCT DESIGNED FOR THAT PURPOSE AND DISPOSED OF AT A LICENSED SANITARY LANDFILL. HAZARDOUS OR INDUSTRIAL WASTES SUCH AS MOST SOLVENTS, GASOLINE, OIL-BASED PAINTS, AND CEMENT CURING COMPOUNDS REQUIRE SPECIAL HANDLING. THESE MATERIALS WILL BE REMOVED FROM THE SITE AND RECYCLED OR DISPOSED OF IN

ACCORDANCE WITH MOONE REQUIREMENTS. 8. STATE LAW REQUIRES THE PARTY RESPONSIBLE FOR A PETROLEUM PRODUCT SPILL IN EXCESS OF 50 GALLONS TO REPORT THE SPILL TO MODNR (537-634-2436) AS SOON AS PRACTICAL AFTER DISCOVERY. FEDERAL LAW REQUIRES THE RESPONSIBLE PARTY TO REPORT ANY RELEASE OF OIL IF IT REACHES OR THREATENS A SEWER, LAKE, CREEK, STREAM, RIVER, GROUNDWATER, WETLAND, OR AREA, LIKE A ROAD DITCH, THAT DRAINS INTO ONE OF THE ABOVE.

GENERAL NOTES

1.) TRAFFIC CONTROL IS TO BE PER MODOT OR MUTCD WHICHEVER IS MOST STRINGENT.

2.) SIDEWALKS, CURB RAMPS, RAMP AND ACCESSIBLE PARKING SPACES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CURRENT APPROVED "AMERICAN WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES" (ADAAG) ALONG WITH THE REQUIRED GRADES, CONSTRUCTION MATERIALS, SPECIFICATIONS AND SIGNAGE. IF ANY CONFLICT OCCURS BETWEEN THE ABOVE INFORMATION AND THE PLANS, THE ADAAG SHALL TAKE PRECEDENCE AND THE CONTRACTOR PRIOR TO ANY CONSTRUCTION SHALL NOTIFY THE PROJECT ENGINEERS.

3.) THE DEVELOPER MUST SUPPLY THE CITY OF O'FALLON CONSTRUCTION INSPECTORS WITH SOIL REPORTS PRIOR TO OR DURING SITE SOIL TESTING. THE SOIL REPORT WILL BE REQUIRED TO CONTAIN THE FOLLOWING INFORMATION ON SOIL TEST CURVES (PROCTOR REPORTS) FOR PROJECTS WITHIN THE CITY: *MAXIMUM DRY DENSITY

*OPTIMUM MOISTURE CONTENT. *MAXIMUM AND MINIMUM ALLOWABLE MOISTURE CONTENT. *CURVE MUST BE PLOTTED TO SHOW DENSITY FROM A MINIMUM OF 95% COMPACTION AND ABOVE AS DETERMINED BY THE "MODIFIED AASHTO T-180 COMPACTION TEST" (A.S.T.M.-D-1157) OR FROM A MINIMUM OF 100% AS DETERMINED BY THE "STANDARD PROCTOR TEST AASHTO T-99, METHOD C" (A.S.T.M.-D698). PROCTOR

TYPE MUST BE DESIGNATED ON DOCUMENT. *CURVE MUST HAVE AT LEAST 5 DENSITY POINTS WITH MOISTURE CONTENT AND SAMPLE LOCATIONS LISTED ON DOCUMENT.

*SPECIFIC GRAMTY. *NATURAL MOISTURE CONTENT. *HOURD LIMIT.

*PLASTIC LIMIT.

WATER LINE NOTES

1.) ALL MATERIALS AND METHODS OF CONSTRUCTION FOR WATER MAINS TO MÉET THE REQUIREMENTS OF THE PUBLIC WATER SUPPLY DISTRICT NO.2 SPECIFICATIONS AND STANDARDS APPROVED BY MDNR UNER REVIEW NO.

2,) WATER MAINS SHALL BE POLY VINYL CHLORIDE (PVC) CLASS 200, SDR 21 PIPE CONFORMING TO A.S.T.M. SPECIFICATION D2241. THE PIPE SHALL BE PRESSURE RATED FOR A HYDROSTATIC WORKING PRESSURE OF 200 PSI AT 73.4 DEGREES F AND SHALL MEET ALL APPLICABLE REQUIREMENTS AS SET FORTH UNDER COMMERCIAL STANDARD (CS) 256-63.

3.) DUCTILE IRON PIPE MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALL THE REQUIREMENTS OF U.S.A. STANDARD A2151 (A.W.W.A. C-151-65). THE PIPE SHALL BE FURNISHED WITH MECHANICAL, PUSH ON, OR FLANGE JOINTS AS REQUIRED. THE INTERIOR SURFACE OF PIPE SHALL BE COATED WITH A CEMENT-MORTAR LINING IN ACCORDANCE WITH U.S.A. STANDARD A 21.4 (A.W.W.A. C 104). AFTER DRYING, THE CEMENT LINING SHALL BE SEAL COATED WITH SIMILAR A.W.W.A. APPROVED BITUMINOUS VARNISH. ALL FITTINGS AND BENDS SHALL BE CONSTRUCTED OF CAST OR DUCTILE IRON.

4.) WATER MAIN TRACER TAPE TO BE INSTALLED WITH ALL WATER MAIN AND SHALL CONSIST OF THREE INCH WIDE TAPE MADE OF BONDED LAYER PLASTIC WITH A METALLIC FOIL CORE, TAPE SHALL BE "TERRA TAPE D" AS MANUFACTURED BY THE GRIFFOLYN COMPANY OF HOUSTON, TEXAS, OR APPROVED EQUAL

5.) WATER MAIN LOCATOR WIRE SHALL BE INSTALLED WITH ALL WATER MAIN, FITTINGS, AND VALVE INSTALLATION AND SHALL CONSIST OF A STANDARD ELECTRIC SERVICE WIRE, A SINGLE NO. 12 U.L. APPROVED COPPER WIRE OF THE SOLID OR STRAND TYPE WITH INSULATION FOR 600 VOLTS.

6.) ALL VALVES FOR EXTERIOR USE SHALL BE BURIED GATE VALVES WITH A VALVE BOX AND TWO INCH SQUARE NUT ATTACHMENT FOR MANUAL OPERATION WITH STANDARD VALVE WRENCH. GATE VALVES SHALL BE IRON BODIED WITH BRASS OR BRONZE MOUNTED DOUBLE DISC GATE. GATE VALVES SHALL BE OF THE NON-RISING STEM TYPE, OPENED BY TURNING COUNTER-CLOCKWISE. THE VALVE STEM SHALL HAVE DOUBLE "O" RING SEALS AND TERMINATE AT TOP WITH TWO INCH SQUARE NUT. GATE VALVE CONSTRUCTION AND MATERIALS SHALL CONFORM TO THE LATEST GOVERNING SPECIFICATIONS OF THE A.S.T.M. AND A.W.W.A. ALL GATE VALVES FOR USE SHALL BE "MUELLER" OR APPROVED

7.) VALVE BOXES FOR USE SHALL BE THE SCREW-TYPE, EXTENSION SLEEVE KIND. ALL BOXES SHALL BE FITTED WITH A RECESSED COVER HAVING THE WORD "WATER" CAST IN THE TOP.

8.) FIRE HYDRANTS SHALL BE MUELLER "CENTURION" OR THE AMERICAN DARLING MODEL NO. "B-84-B". HYDRANTS SHALL BE TRAFFIC MODEL TYPE WITH A WORKING PRESSURE OF 150 PSI IN FULL COMPLIANCE WITH A.W.W.A. STANDARD SPECIFICATIONS C-502 OF THE LATEST REVISION. HYDRANTS TO BE THREE-WAY WITH TWO 2 LINCH CONNECTIONS AND ONE 4 LINCH CONNECTION AND SHALL HAVE A 5 1/4" VALVE, A 6 INCH BARREL, AND SHALL BE OF A BREAKAWAY DESIGN, FROST FREE WITH CHAIN, LEFT HAND OPEN, AND HAVE NATIONAL STANDARD THREADS.

9.) ALL FIRE HYDRANTS SHALL BE SET SO THE CENTER OF A HOSE NOZZLE SHALL NOT BE LESS THAN 18" ABOVE FINISHED GRADE. FIRE HYDRANT OUTLETS MUST FACE THE STREET OR ACCESS DRIVE.

10.) THERE SHALL BE NO OBSTRUCTIONS WITHIN 6 FEET OF ANY FIRE HYDRANT AND/OR FIRE DEPARTMENT CONNECTION TO AN AUTOMATIC SPRINKLER SYSTEM. 11.) FIRE HYDRANT SHALL BE IN ACCORDANCE WITH LOCAL FIRE PROTECTION

12.) CONCRETE FOR THRUST BLOCKING AT BENDS, TEES, VALVES, HYDRANTS, ETC., SHALL BE 3,500 PSI COMPRESSIVE STRENGTH AT 28 DAYS.

DISTRICT.

MINIMUM OF 2"-0".

13.) BEFORE WATER MAINS SHALL BE ACCEPTED AND PUT INTO SERVICE THEY SHALL BE TESTED, REQUIREMENTS ARE AS FOLLOWS: CHLORINE TEST: TWO CONSECUTIVE DAYS 1ST DAY-50 PPM RESIDUAL

2ND DAY-10 PPM RESIDUAL

TEST POINTS TO BE DETERMINED BY WATER DISTRICT PERSONNEL HYDROSTATIC TEST: 150 PSI FOR 2 HOURS. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONFIRM THE STATE OF ALL VALVES WITHIN THE AFFECTED AREA OF THE TEST IN THE PRESENCE OF THE INSPECTOR

WITNESSING THE TEST. BACTERIA (COLIFORM) TEST: TWO CONSECUTIVE DAYS TEST POINTS TO BE DETERMINED BY WATER DISTRICT PERSONNEL. ALL TESTING WILL BE WITNESSED BY WATER DISTRICT PERSONNEL.

TRACER WIRE WILL BE TESTED FOR CONTINUITY IN THE PRESENCE OF WATER DISTRICT PERSONNEL

ALL CONNECTIONS TO EXISTING WATER MAINS WILL BE WITNESSED AND INSPECTED BY WATER DISTRICT PERSONNEL.

14.) ALL WATER LINES AND SERVICE LINES SHALL HAVE A MINIMUM OF 42" OF

15.) VERTICAL CLEARANCE BETWEEN SEWERS AND WATER MAINS SHALL BE A

16.) ALL MAINS SHALL BE LAID AT LEAST 10 FEET HORIZONTALLY FROM ANY EXISTING OR PROPOSED SANITARY SEWER MAIN. THE DISTANCES SHALL BE MEASURED EDGE TO EDGE. IN CASES WHERE IT IS NOT PRACTICAL TO MAINTAIN A 10-FOOT SEPARATION, THE DEPARTMENT OF NATURAL RESOURCES MAY ALLOW DEVIATION, IF SUPPORTED BY DATA FROM THE DESIGN ENGINEER. SUCH DEVIATION MAY ALLOW INSTALLATION OF A WATER MAIN CLOSER TO A SANITARY SEWER, PROVIDED THAT THE WATER MAIN IS IN A SEPARATE TRENCH OR ON AN UNDISTURBED EARTH SHELF LOCATED ON ONE SIDE OF THE SEWER AT SUCH AN ELEVATION THAT THE BOTTOM OF THE WATER MAIN IS AT LEAST 18 INCHES ABOVE THE TOP OF THE WATER, WATER MAINS CROSSING SANITARY SEWERS SHALL BE LAID TO PROVIDED A MINIMUM VERTICAL DISTANCE OF 18 INCHES BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF THE SEWER. THIS SHALL BE THE CASE WHERE THE WATER MAIN IS EITHER ABOVE OR BELOW THE SEWER. THE CROSSING SHALL BE ARRANGED SO THAT THE SEWER JOINTS WILL BE EQUIDISTANT AND AS FAR A POSSIBLE FROM THE WATER JOINTS. WHERE A WATER MAIN CROSSES UNDER A SEWER, ADEQUATE STRUCTURAL SUPPORT SHALL BE PROVIDED FOR THE SEWER TO PREVENT DAMAGE TO THE WATER MAIN. WHEN IT IS IMPOSSIBLE TO OBTAIN PROPER HORIZONTAL AND VERTICAL SEPARATION, THE SANITARY SEWER SHALL BE DESIGNED AND CONSTRUCTED EQUAL TO WATER PIPES, AND SHALL BE PRESSURE TESTED TO ASSURE WATER TIGHTNESS. PRIOR TO BACKFILLING. A 3-FOOT HORIZONTAL SEPARATION WILL BE PROVIDED FROM OTHER UNDERGROUND UTILITIES TO INCLUDE GAS, ELECTRIC, TELEPHONE,

17.) CONTRACTOR TO COORDINATE WATER LINE UTILITY CROSSINGS WITH SEWER

SILTATION

CONTROL SPECIFICATIONS

SILTATION CONTROL GENERAL NOTES

1. INSTALLATION OF ALL PERIMETER SEGIMENT CONTROL SHALL BE IMPLEMENTED AS THE FIRST STEP OF GRADING AND WITHIN SEVEN (7) DAYS OF GRUBBING THE SITE. 2. INSPECTION OF SILTATION CONTROL DEVICES SHALL TAKE PLACE ONCE

ALL SLOPES OR DRAINAGE CHANNELS, ONCE CONSTRUCTED TO FINAL GRADE, SHALL 8E SEEDED AND MULCHED PER SPECIFICATIONS WITHIN

4. SILT FENCES SHALL BE INSTALLED IMMEDIATELY AROUND EACH STORM SEWER STRUCTURE ONCE FINAL CONSTRUCTION OF EACH INDIVIDUAL STRUCTURE IS COMPLETE.

EVERY SEVEN DAYS AND WITHIN 24 HOURS OF ANY $0.5^\circ/24$ HOUR RAIN EVENT. ANY SILTATION CONTROL IN NEED OF REPAIR SHALL OCCUR

5. ALL SILTATION CONTROL DEVICES SHALL REMAIN IN PLACE UNTIL UPSLOPE AREAS HAVE BEEN PERMANENTLY STABILIZED.

SILTATION CONTROL SCHEDULE IMPLEMENTATION

. PERIMETER SILTATION CONTROL AND CONSTRUCTION ENTRANCES TO

BEGIN PLACING AGGREGATE BASE IN PARKING AREAS ONCE AREA HAS REACHED FINAL GRADE TO PREVENT EROSION.

PLACE SILT FENCE AROUND EACH STORM SEWER STRUCTURE AS IT IS COMPLETED. 4. IMMEDIATELY SEED AREAS UPON REACHING FINAL GRADE THAT ARE TO BE PERMANENTLY SEEDED. TEMPORARY ACCESS ROADS AND PARKING AREAS SPECIFICATIONS

TEMPORARY ROADS SHALL FOLLOW THE CONTOUR OF THE NATURAL TERRAIN TO THE EXTENT POSSIBLE. SLOPES SHOULD NOT EXCEED

2. GRADES SHOULD BE SUFFICIENT TO PROVIDE DRAINAGE, BUT SHOULD

3. ROADBEDS SHALL BE AT LEAST 20 FEET WIDE. 4. ALL CUTS AND FILLS SHALL BE 3:1 OR FLATTER TO THE EXTENT POSSIBLE.

5. DRAINAGE DITCHES SHALL BE PROVIDED AS NEEDED. 6. THE ROADBED OR PARKING SURFACE SHALL BE CLEARED OF ALL VEGETATION,

DOTS AND OTHER OBJECTIONABLE MATERIAL. 7. AN 8-INCH COURSE OF 2" MINUS AGGREGATE SHALL BE APPLIED IMMEDIATELY AFTER GRADING OR THE COMPLETION OF UTILITY INSTALLATION WITHIN THE RIGHT-OF-WAY. FILTER FABRIC (MIRAFI 500X)
MAY BE APPLIED TO THE ROADBED FOR ADDITIONAL STABILITY IN

ACCORDANCE WITH FABRIC MANUFACTURER'S SPECIFICATIONS. **VEGETATION**

OFFSITE AREAS: ALL ROADSIDE DITCHES, CUTS, FILLS AND DISTURBED AREAS ADJACENT TO PARKING AREAS AND ROADS SHALL BE STABILIZED WITH APPROPRIATE TEMPORARY OR PERMANENT VEGETATION ACCORDING TO THE APPLICABLE STANDARDS AND

REFER TO DRAWINGS FOR AREAS WHICH SHALL BE STABILIZED WITH APPROPRIATE TEMPORARY OR PERMANENT VEGETATION ACCORDING TO THE APPLICABLE STANDARDS AND SPECIFICATIONS. SEEDING RATES

PERMANENT: TALL FESCUE - 80 LBS./AC. SMOOTH BROME - 100 LBS./AC. COMBINED: FESCUE @ 40 LBS./AC. AND BROME @ 50 LBS./AC.

WHEAT OR RYE - 150 LBS./AC. (3.5 LBS. PER 1,000 SQUARE FOOT) - 120 LBS./AC. (2.75 LBS. PER 1,000 SQUARE FOOT)

FESCUE OR BROME - MARCH 1 TO JUNE 1 AUGUST 1 TO OCTOBER 1 WHEAT OR RYE - MARCH 15 TO NOVEMBER - MARCH 15 TO SEPTEMBER 15

MULCH RATES: 100 LBS. PER 1,000 SQ. FEET (4,356 LBS. PER ACRE)

FERTILIZER RATES: NITROGEN 30 LBS./AC. PHOSPHATE 30 LBS./AC. POTASSIUM JD LBS. /AC LIME 500 LBS./AC. ENM*

SHEET C10.10).

ONSITE:

* ENM = EFFECTIVE NUETRALIZING MATERIAL AS PER STATE EVALUATION OF QUARRIED ROCK.

MAINTENANCE SEEDED AREAS ADJACENT TO THE ROADS AND PARKING AREAS SHOULD BE CHECKED PERIODICALLY TO ENSURE THAT A VIGOROUS STAND OF VEGETATION IS MAINTAINED. ROADSIDE DITCHES AND OTHER DRAINAGE STRUCTURES SHOULD BE CHECKED REGULARLY TO ENSURE THAT THEY DO NOT BECOME CLOGGED

SHEET FLOW APPLICATIONS:

BALES SHALL BE PLACED IN A SINGLE ROW, LENGTHWISE ON THE CONTOUR, WITH BOTH ENDS OF ADJACENT BALES TIGHTLY ABUTTING

2. ALL BALES SHALL BE EITHER WIRE—BOUND OR STRING—TIED. STRAW BALES SHALL BE INSTALLED SO THAT BINDINGS ARE ORIENTED AROUND THE SIDES RATHER THAN ALONG THE TOPS AND BOTTOMS OF THE BALES (IN ORDER TO PREVENT DETERIORATION OF THE BINDINGS)

3. THE BARRIER SHALL BE ENTRENCHED AND BACKFILLED. A TRENCH SHALL BE EXCAVATED THE WOTH OF A BALE AND THE LENGTH OF THE PROPOSED BARRIER TO A MINIMUM DEPTH OF 4 INCHES. AFTER THE BALES ARE STAKED AND CHINKED, THE EXCAVATED SOIL SHALL BE BACKFILLED AGAINST THE BARRIER. BACKFILL SOIL SHALL CONFORM TO THE GROUND LEVEL ON THE DOWNHILL AND SHALL BE BUILT UP TO 4 INCHES AGAINST THE UPHILL SIDE OF THE BARRIER (SEE DETAIL

4. EACH BALE SHALL BE SECURELY ANCHORED BY AT LEAST TWO STAKES OR REBARS DRIVEN THROUGH THE BALE. THE FIRST STAKE IN EACH BALE SHALL BE DRIVEN TOWARD THE PREVIOUSLY LAID BALE TO FORCE THE BALES TOGETHER. STAKES OR REBARS SHALL BE DRIVEN DEEP ENOUGH

5. THE GAPS BETWEEN BALES SHALL BE CHINKED (FILLED BY WEDGING) WITH STRAW TO PREVENT WATER FROM ESCAPING BETWEEN THE BALES. (LOOSE STRAW SCATTERED OVER THE AREA IMMEDIATELY UPHILL FROM

INSPECTION SHALL BE FREQUENT AND REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.

STRAW BALE BARRIERS SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFULNESS, BUT NOT BEFORE THE UPSLOPE AREAS HAVE BEEN

CHANNEL FLOW APPLICATIONS: BALES SHALL BE PLACED IN A SINGLE ROW, LENGTHWISE, ORIENTED PERPENDICULAR TO THE CONTOUR, WITH ENDS OF ADJACENT BALES

TIGHTLY ABUTTING ONE ANOTHER.

2. THE REMAINING STEPS FOR INSTALLING A STRAW BALE BARRIER FOR SHEET FLOW APPLICATIONS APPLY HERE, WITH THE FOLLOWING 3. THE BARRIER SHALL BE EXTENDED TO SUCH A LENGTH THAT THE BOTTOMS OF THE END BALES ARE HIGHER IN ELEVATION THAN THE TOP OF THE LOWEST MIDDLE BALE TO ASSURE THAT SEDIMENT—LADEN RUNOFF WILL FLOW EITHER THROUGH OR OVER THE BARRIER BUT

MAINTENANCE

. STRAW BALE BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL.

2. CLOSE ATTENTION SHALL BE PAID TO THE REPAIR OF DAMAGED FENCE, END RUNS AND UNDERCUTTING BENEATH FENCE.

NECESSARY REPAIRS TO BARRIERS OR REPLACEMENT OF SILT FENCE SHALL BE ACCOMPLISHED PROMPTLY. 4. SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH RAINFALL. THEY MUST BE REMOVED WHEN THE LEVEL OF DEPOSITION REACHES APPROXIMATELY ONE—HALF THE HEIGHT OF THE BARRIER.

5. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE STRAW BALE BARRIER IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM TO THE EXISTING GRADE, PREPARED AND SEEDED.

SILT FENCE SPECIFICATIONS 1. SILT FENCE TO BE WOVEN GEOTEXTILE FABRIC MIRAFI 100X OR EQUAL.

2. FABRIC TO BE SUPPORTED BY METAL TEE POST WITH SPADE BASE SPACED ON 5' CENTERS WITH W6 X W6/10 X 10 GAGE WELDED WIRE 3. FABRIC SHALL BE ENTRENCHED AND BACKFILLED. A TRENCH SHALL BE EXCAVATED A MINIMUM OF 6 INCHES DEEP FOR THE LENGTH OF THE FENCE. THE EXCAVATED SOIL SHALL BE BACKFILLED AGAINST THE FENCE. SEE DETAIL SHEET C10.10.

4. FENCE HEIGHT SHALL BE A MINIMUM OF 4 FEET IN HEIGHT, WITH THE FABRIC INSTALLED ON THE FENCE ON THE UPSTREAM SIDE.

5. SILT FENCES SHALL BE USED ONLY ON SHEET FLOW CONDITIONS.

SILT FENCES SHALL BE INSTALLED AROUND ALL STORM SEWER STRUCTURES. MAINTENANCE

SILT FENCE BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL.

CLOSE ATTENTION SHALL BE PAID TO THE REPAIR OF DAMAGED BALES, END RUNS AND UNDERCUTTING BENEATH BALES.

3. NECESSARY REPAIRS TO BARRIERS OR REPLACEMENT OF BALES SHALL BE ACCOMPLISHED PROMPTLY. 4. SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH RAINFALL. THEY MUST BE REMOVED WHEN THE LEVEL OF DEPOSITION REACHES APPROXIMATELY ONE—HALF THE HEIGHT OF THE BARRIER.

5. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SILT FENCE BARRIER IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM TO THE EXISTING GRADE, PREPARED AND SEEDED.

GRADING/SEDIMENT & EROSION CONTROL NOTES

1) SEDIMENT AND EROSION CONTROL SHALL NOT BE LIMITED TO THE MEASURES SHOWN ON THE PLANS. THE CONTRACTOR, WITH THE APPROVAL OF THE CITY INSPECTOR, SHALL UTILIZE BEST MANAGEMENT PRACTICES TO PREVENT SEDIMENT FROM ENTERING ADJACENT PROPERTIES, ROADWAYS, STORM SEWERS, AND DRAINAGE WAYS.

2) ALL FILLED PLACES UNDER PROPOSED STORM AND SANITARY SEWER LINES AND/OR PAVED AREAS INCLUDING TRENCH BACKFILLS WITHIN AND OFF THE ROAD RIGHT-OF-WAY SHALL BE COMPACTED TO 95 PERCENT OF MAXIMUM DENSITY AS DETERMINED BY THE "MODIFIED AASHTO T-180 COMPACTION TEST" (ASTM D-1557). ALL TESTS SHALL BE VERIFIED BY A SOILS ENGINEER CONCURRENT WITH GRADING AND BACKFILLING OPERATIONS.

3) ALL FILLED PLACES IN PROPOSED ROADS (HIGHWAYS) SHALL BE COMPACTED FROM THE BOTTOM OF THE FILL UP TO 95 PERCENT MAXIMUM DENSITY AS DETERMINED BY THE "MODIFIED AASHTO T-180 COMPACTION TEST" (ASTMD-1557). PAVED AREAS IN CUTS SHALL MEET THE SAME COMPACTION REQUIREMENTS. ALL TESTS SHALL BE VERIFIED BY A SOILS ENGINEER CONCURRENT WITH GRADING OPERATIONS.

4) ANY WELLS AND/OR SPRINGS WHICH MAY EXIST ON THIS PROPERTY SHOULD BE LOCATED AND SEALED IN A MANNER ACCEPTABLE TO CITY OF O'FALLON CONSTRUCTION INSPECTION DEPARTMENT.

5) ALL TRASH AND DEBRIS ON-SITE, EITHER EXISTING CONSTRUCTION, MUST BE REMOVED AND PROPERLY DISPOSED OF OFF-SITE.

6) DEBRIS AND FOUNDATION MATERIAL FROM ANY EXISTING ON-SITE BUILDING OR STRUCTURE WHICH IS SCHEDULED TO BE RAZED FOR THIS DEVELOPMENT MUST BE PROPERLY DISPOSED OF OFF-SITE.

7) SOFT SOILS IN THE BOTTOM AND BANKS OF ANY EXISTING OR FORMER POND SITES OR TRIBUTARIES OR ANY SEDIMENT BASINS OR TRAPS SHOULD BE REMOVED, SPREAD OUT AND PERMITTED TO DRY SUFFICIENTLY TO BE USED AS FILL. NONE OF THIS MATERIAL SHOULD BE PLACED IN PROPOSED PUBLIC RIGHT-OF-WAY LOCATIONS OR ON ANY STORM SEWER LOCATION.

B) A PRE-CONSTRUCTION CONFERENCE MUST BE SCHEDULED WITH THE CONSTRUCTION INSPECTION MANAGER PRIOR TO THE START OF EACH CONSTRUCTION PHASE OF LAND DISTURBANCE ACTIVITY. THE PERMITEE WILL BE RESPONSIBLE FOR NOTIFYING ALL CONTRACTORS, UTILITY CREWS, AND OTHER ENTITIES THAT WILL PERFORM WORK AT THE SITE TO BE IN ATTENDANCE.

9) PLEASE NOTIFY THE CONSTRUCTION INSPECTION DEPARTMENT A MINIMUM OF 48 HOURS PRIOR TO THE COMMENCEMENT OF CLEARING, GRADING, AND/OR PRIOR TO THE COMMENCEMENT OF CONSTRUCTION TO ARRANGE FOR AN INSPECTION OF THE SITE.

10) ALL EXCAVATIONS, GRADING OR FILLING SHALL HAVE FINISHED GRADE NOT TO EXCEED A 3:1 SLOPE, OR AS APPROVED BY THE SOILS ENGINEER.

MAINTAINED UNTIL VEGETATIVE COVER IS ESTABLISHED AT A SUFFICIENT DENSITY TO PROVIDE EROSION CONTROL ON THE SITE. 11) UPON COMPLETION OF STORM SEWERS, SILTATION CONTROL SHALL BE PROVIDED AROUND ALL OPEN SEWER INLETS AND SHALL REMAIN UNTIL THE

11) TEMPORARY SILTATION CONTROL MEASURES (STRUCTURAL) SHALL BE

DISTRIBUTED DRAINAGE AREAS HAVE BEEN PROPERLY STABILIZED. 12) WHERE NATURAL VEGETATION IS REMOVED DURING GRADING. VEGETATION, SHALL BE REESTABLISHED IN SUCH A DENSITY AS TO

PREVENT EROSION.

13) WHEN MECHANIZED LAND CLEARING ACTIVITIES ARE COMPLETED OR SUSPENDED FOR MORE THAN 2 WEEKS, EITHER TEMPORARY VEGETATION MUST BE ESTABLISHED OR TEMPORARY SILTATION CONTROL MEASURES MUST BE PUT IN PLACE WITH THE REVIEW AND APPROVAL OF THE CONSTRUCTION INSPECTION DEPARTMENT.

14) WHEN GRADING OPERATIONS ARE COMPLETED OR SUSPENDED FOR MORE THAN 2 WEEKS, PERMANENT GRASS MUST BE ESTABLISHED AT SUFFICIENT DENSITY TO PROVIDE EROSION CONTROL ON THE SITE. BETWEEN PERMANENT GRASS SEEDING PERIODS, TEMPORARY COVER SHALL BE PROVIDED ACCORDING TO THE RECOMMENDATION OF THE CONSTRUCTION INSPECTION DEPARTMENT.

15) ALL FINISHED GRADES (AREAS NOT TO BE DISTURBED BY FUTURE IMPROVEMENT) IN EXCESS OF 20% SLOPES (5:1) SHALL BE MULCHED AND TACKED AT THE RATE OF 100 POUNDS PER 1,000 SQUARE FEET WHEN SEEDED.

16) ALL LOTS SHALL BE SEEDED AND MULCHED AT THE MINIMUM RATES DEFINED IN THE ST. CHARLES COUNTY SOIL AND WATER CONSERVATION DISTRICT GUIDELINES, OR SODDED, BEFORE AN OCCUPANCY PERMIT MAY BE ISSUED, EXCEPT THAT A TEMPORARY OCCUPANCY PERMIT MAY BE ISSUED BY THE BUILDING DEPARTMENT IN CASES OF UNDUE HARDSHIP BECAUSE OF UNFAVORABLE GROUND CONDITIONS.

17) THE CONTRACTOR SHALL ASSUME COMPLETE RESPONSIBILITY FOR CONTROLLING ALL SILTATION AND EROSION OF THE PROJECT AREA. THE CONTRACTOR SHALL USE WHATEVER MEANS NECESSARY TO CONTROL EROSION AND SILTATION INCLUDING, BUT NOT LIMITED TO, STAKED STRAW BALES AND/OR SILTATION FABRIC FENCES (POSSIBLE METHODS OF CONTROL ARE DETAILED IN THE PLAN.) CONTROL SHALL COMMENCE WITH GRADING AND BE MAINTAINED THROUGHOUT THE PROJECT UNTIL ACCEPTANCE OF THE WORK BY THE OWNER AND/OR THE CITY OF O'FALLON. THE CONTRACTOR'S RESPONSIBILITIES INCLUDE ALL DESIGN AND IMPLEMENTATION AS REQUIRED TO PREVENT EROSION AND THE DEPOSITING OF SILT. THE OWNER AND/OR THE CITY OF O'FALLON MAY AT THEIR OPTION DIRECT THE CONTRACTOR IN HIS METHODS AS DEEMED FIT TO PROTECT PROPERTY AND IMPROVEMENTS. ANY DEPOSITING OF SILT OR MUD ON NEW OR EXISTING PAVEMENT SHALL BE REMOVED IMMEDIATELY. ANY DEPOSITING OF SILTS OR MUD IN NEW OR EXISTING STORM SEWERS OR SWALES SHALL BE REMOVED AFTER EACH RAIN AND AFFECTED AREAS CLEANED TO THE SATISFACTION OF THE OWNER AND/OR THE CITY OF O'FALLON.

18) ALL EROSION CONTROL SYSTEMS ARE INSPECTED AND NECESSARY CORRECTIONS MADE WITHIN 24 HOURS OF ANY RAINSTORM RESULTING IN ONE-HALF INCH OF RAIN OR MORE.

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WOODS

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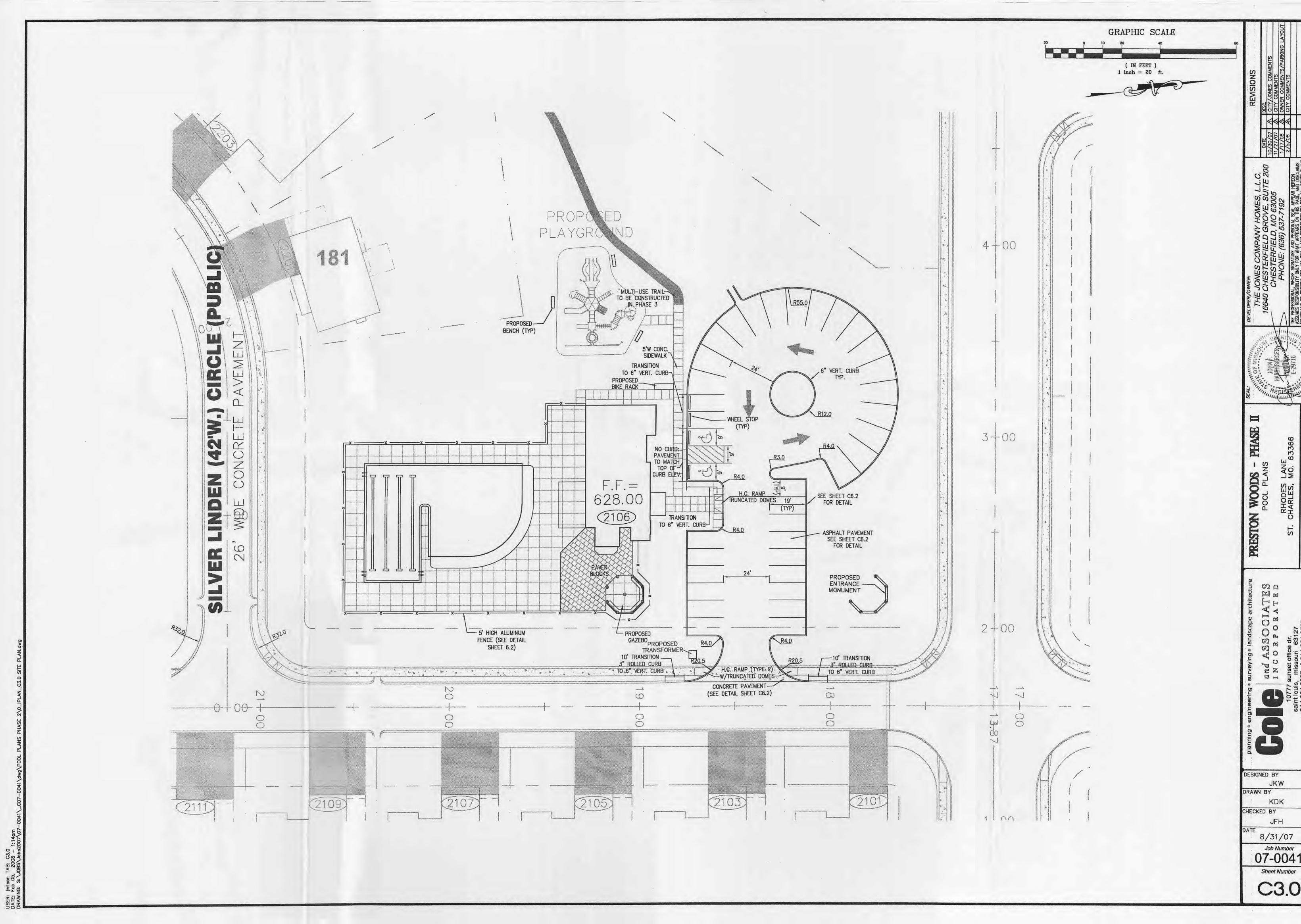
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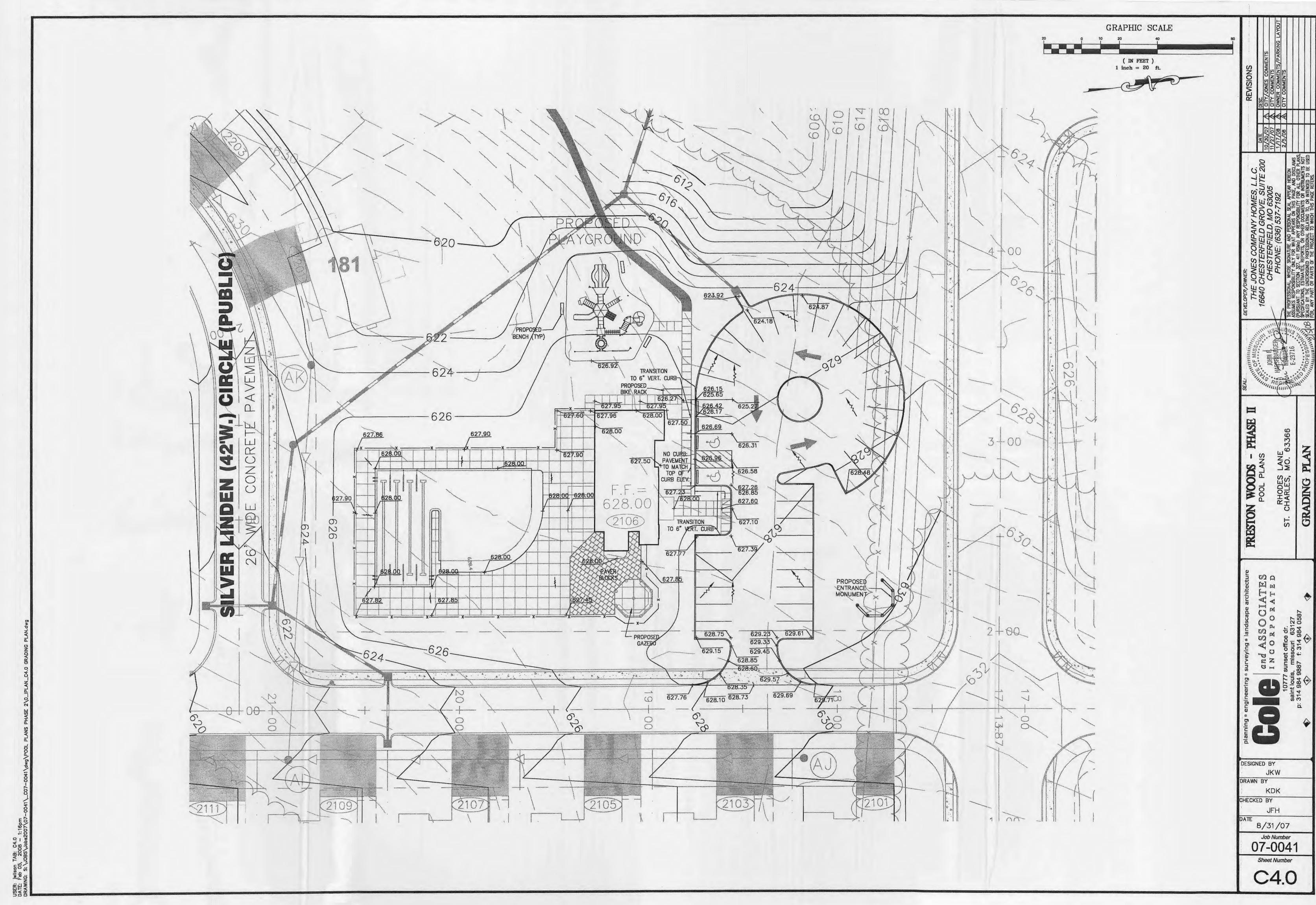
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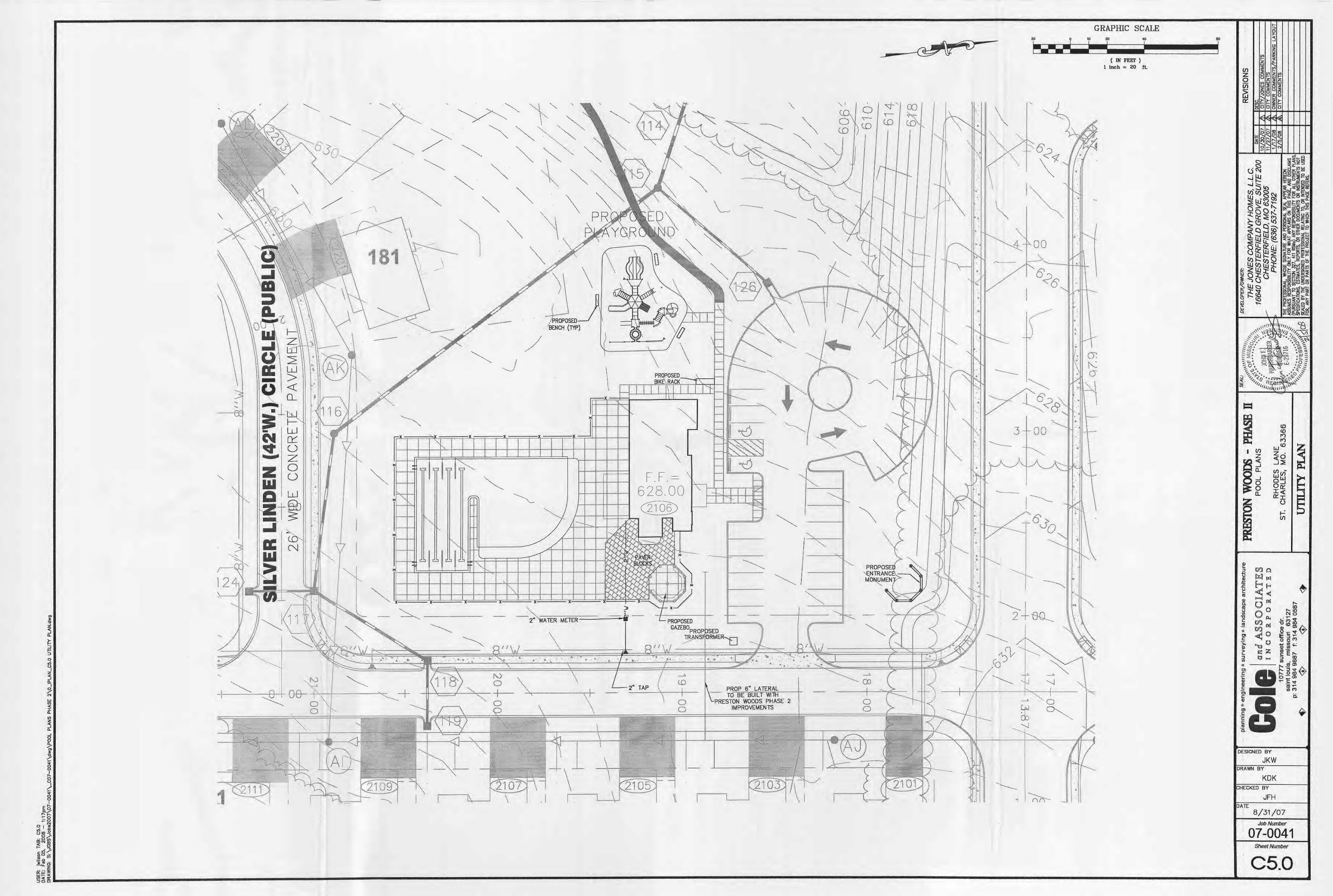
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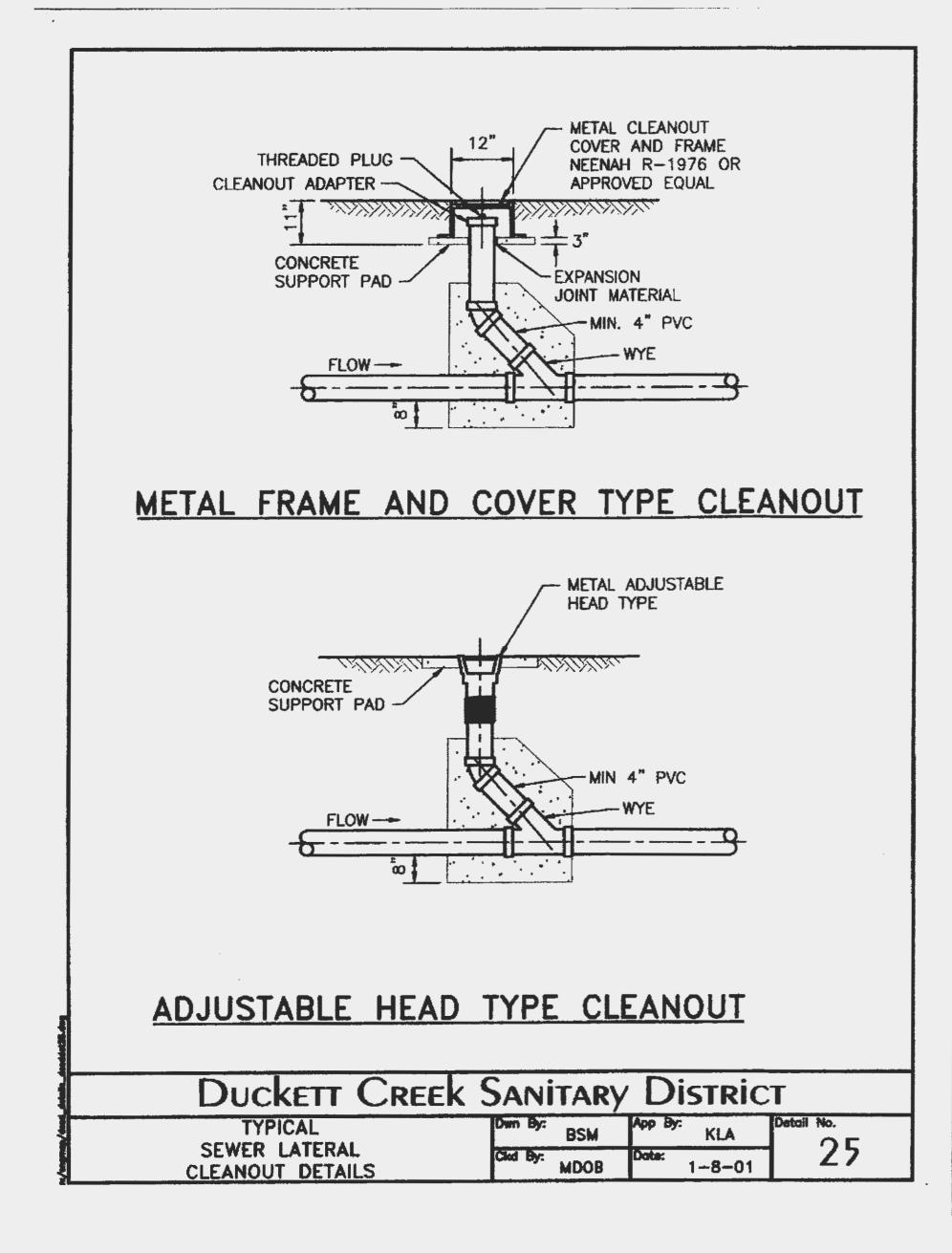
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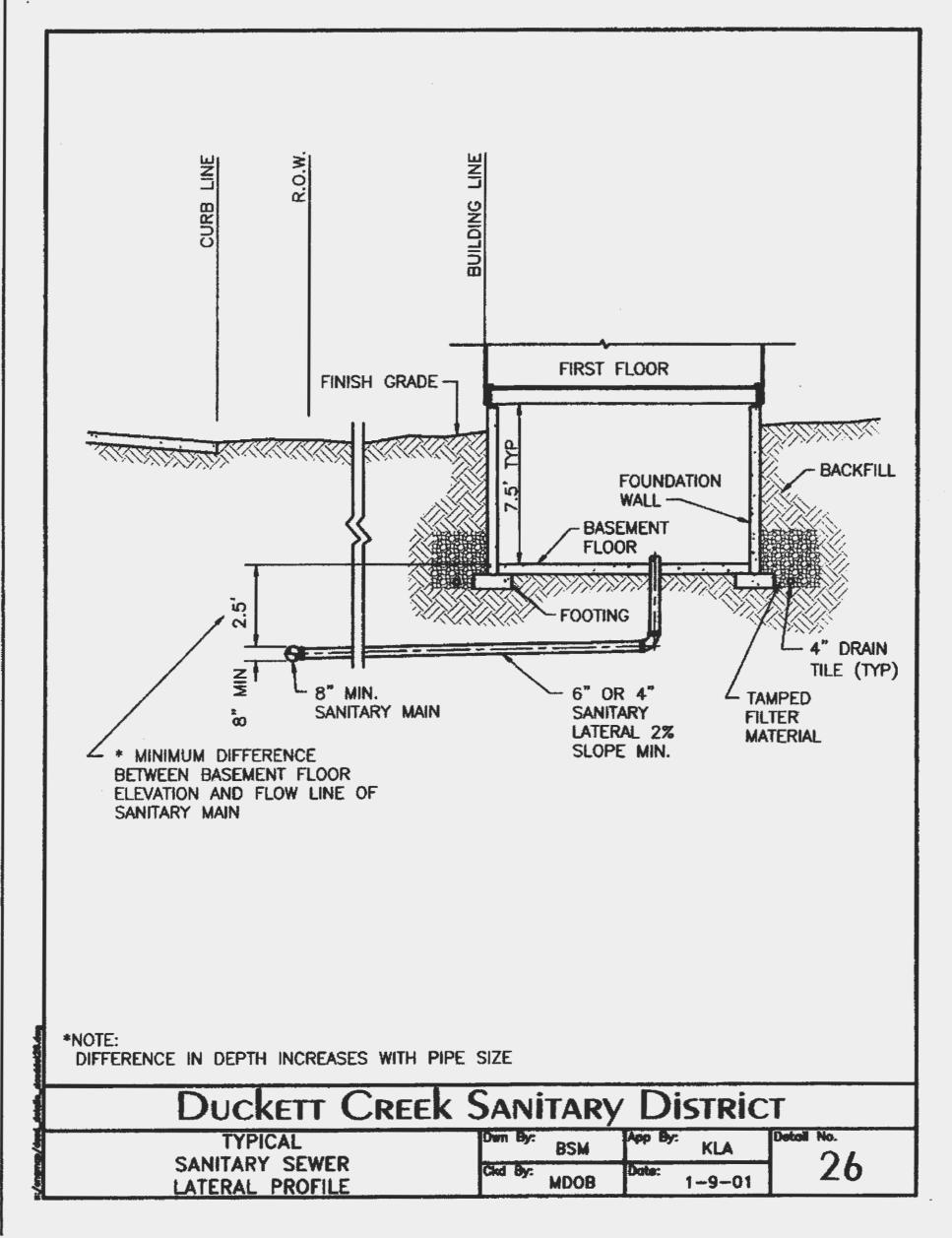
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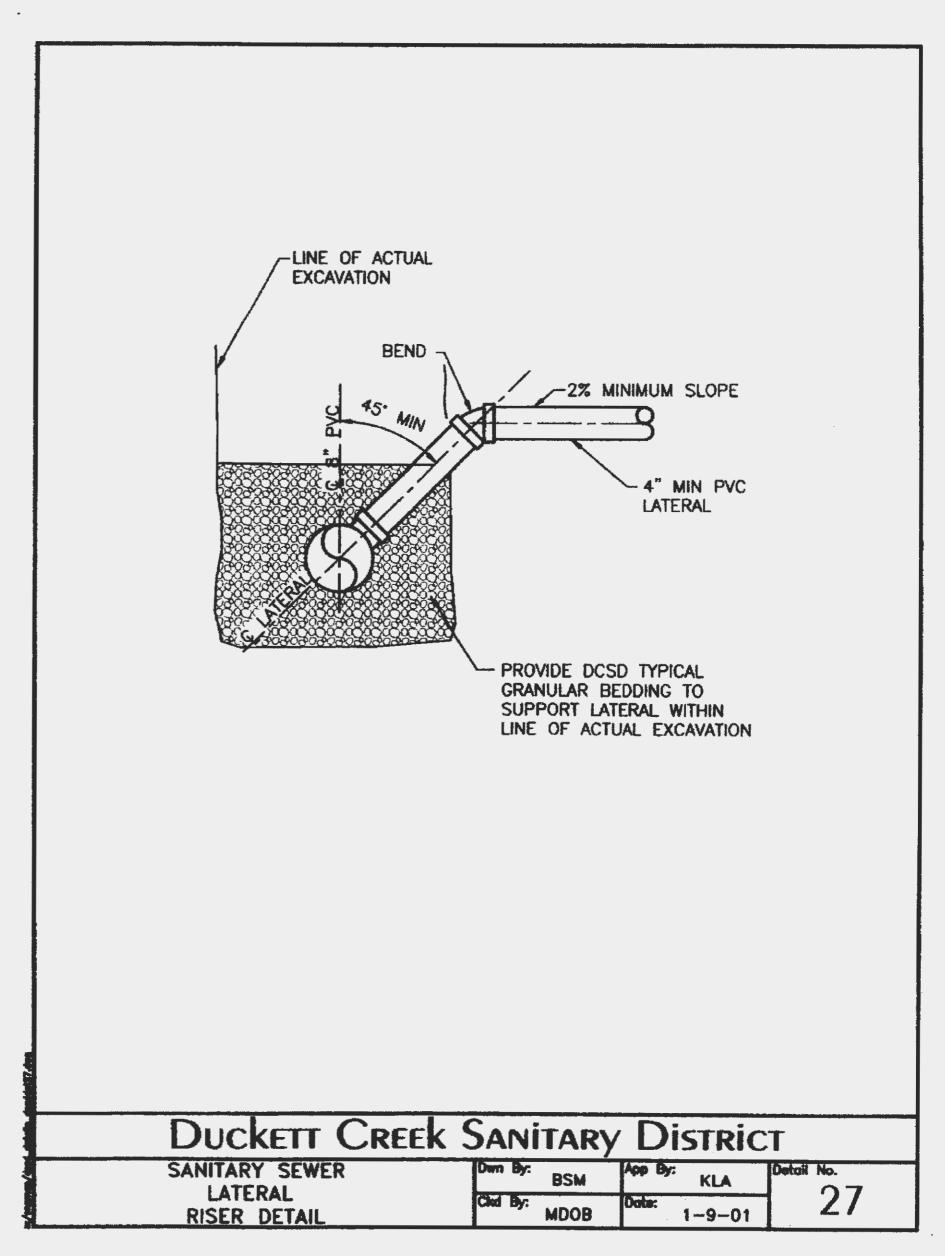












DCKETT CREEK SANITARY DISTRICT

TARY SEWER

ATERAL

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DESIGNED BY

JKW

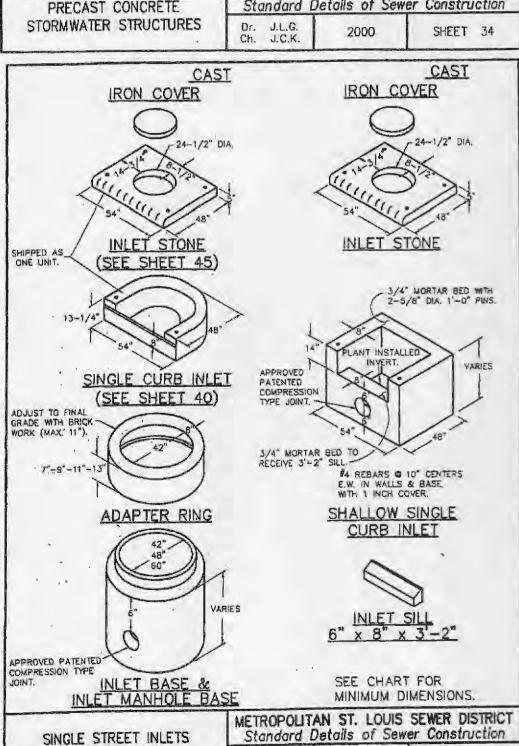
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USER: jwilson TAB: SANITARY 6.0 DATE: Feb 05, 2008 – 1:19pm DRAWING: S:\JOBS\Jobs2007\07-0041_C07-0041\dwg\ PRECAST CONCRETE STORMWATER STRUCTURES MINIMUM DISTANCE FLOWLINE TO TOP OF STONE OR GRATE

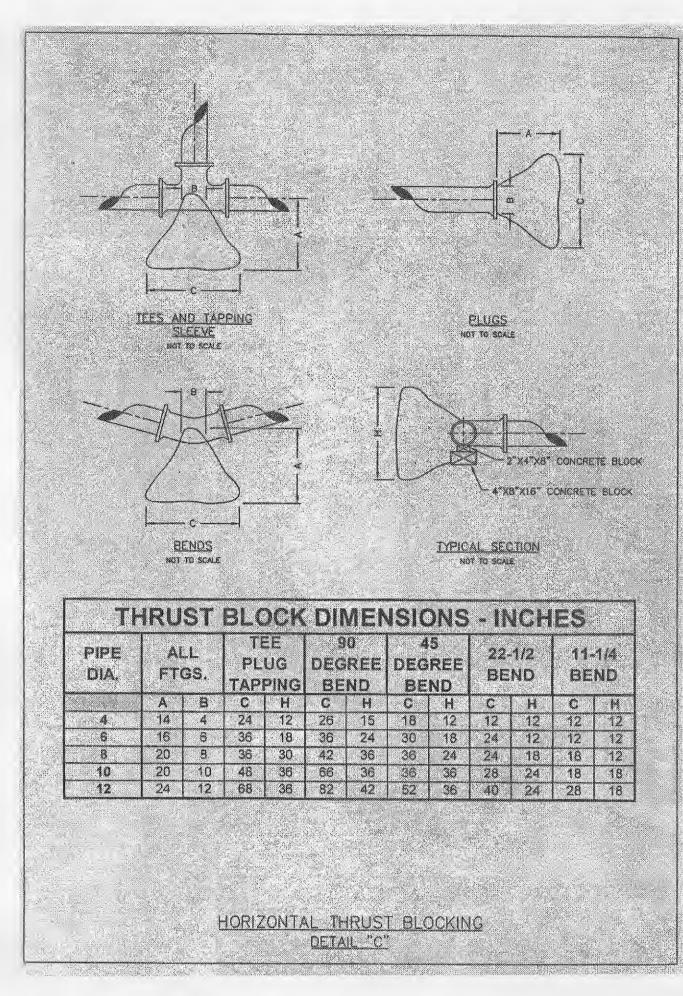
PIPE LD. NOMINAL INCHES		REA INLI AR BAS 48"			(2) GRA3 LAR BASI 48"		SQUARE (MAX.)			DIA. RE 60"	
12"	45"			38"			31"	48"			41"
15"	48"			41"			34"	51"			44"
18"	52"			44"			37"	55"			48"
21"	55"			47"			40"	58"			51"
24"		58"			51"		44"		61"		54"
27"			78"			71"	NA			81"	NA
30"			82"			74"	NA			85"	NA
33°			85"			77"	NA			88"	· NA

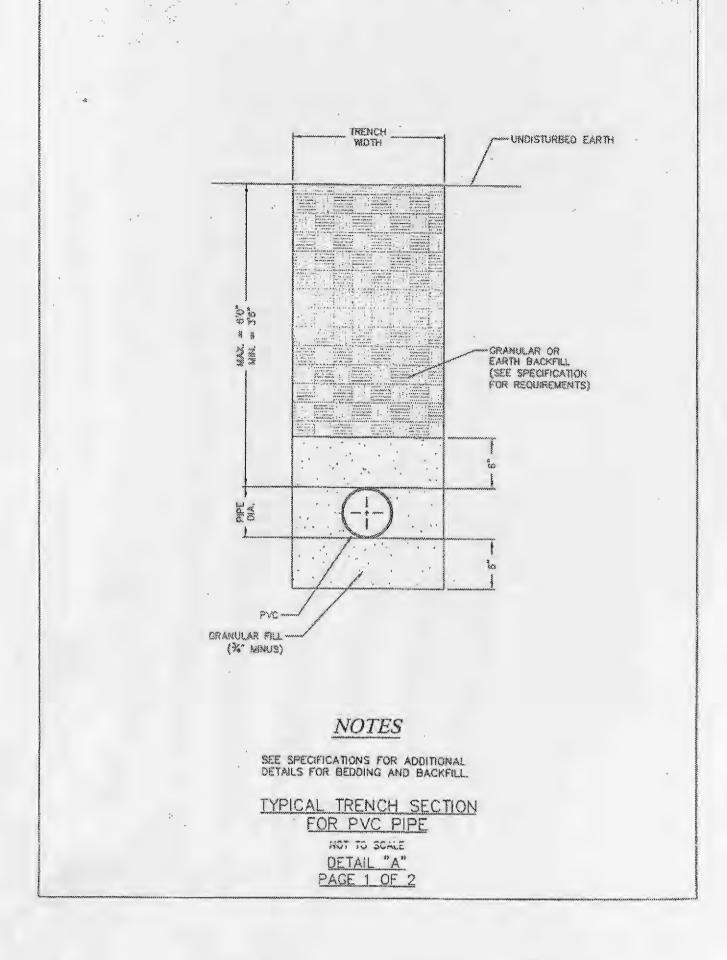
 48" DIAMETER BASE REQUIRES 7" HIGH TRANSITION SECTION TO 42" DIAMETER, SIMILAR TO "ADAPTER RING" SHEET 35. 2) 80" DIAMETER BASE REQUIRES 24" HIGH CONCENTRIC REDUCER TRANSITION TO 42" DIAMETER, SIMILAR TO "ADAPTER RING" SHEET 35.

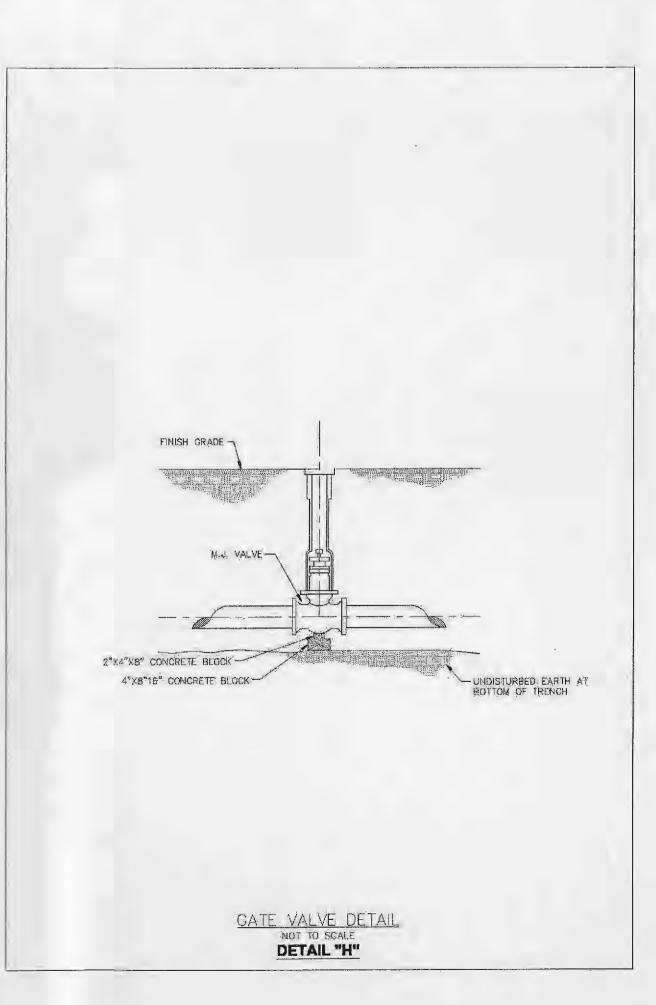
3) STANDARD DEPTH = 3'+ PIPE DIAMETER. METROPOLITAN ST. LOUIS SEWER DISTRICT Standard Details of Sewer Construction PRECAST CONCRETE STORMWATER STRUCTURES SHEET 34

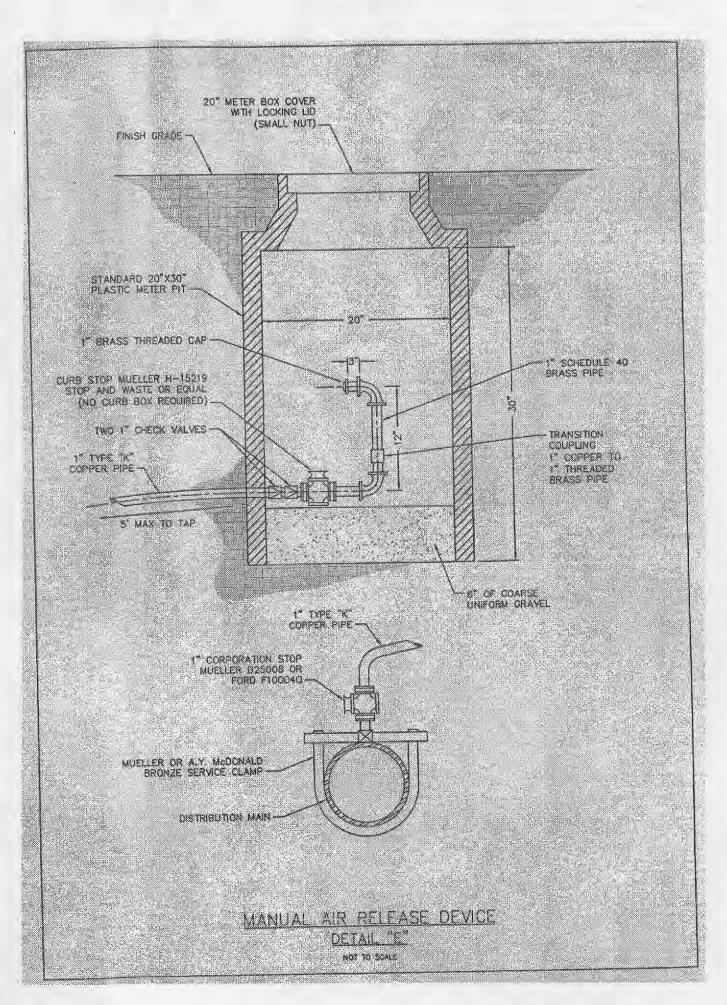


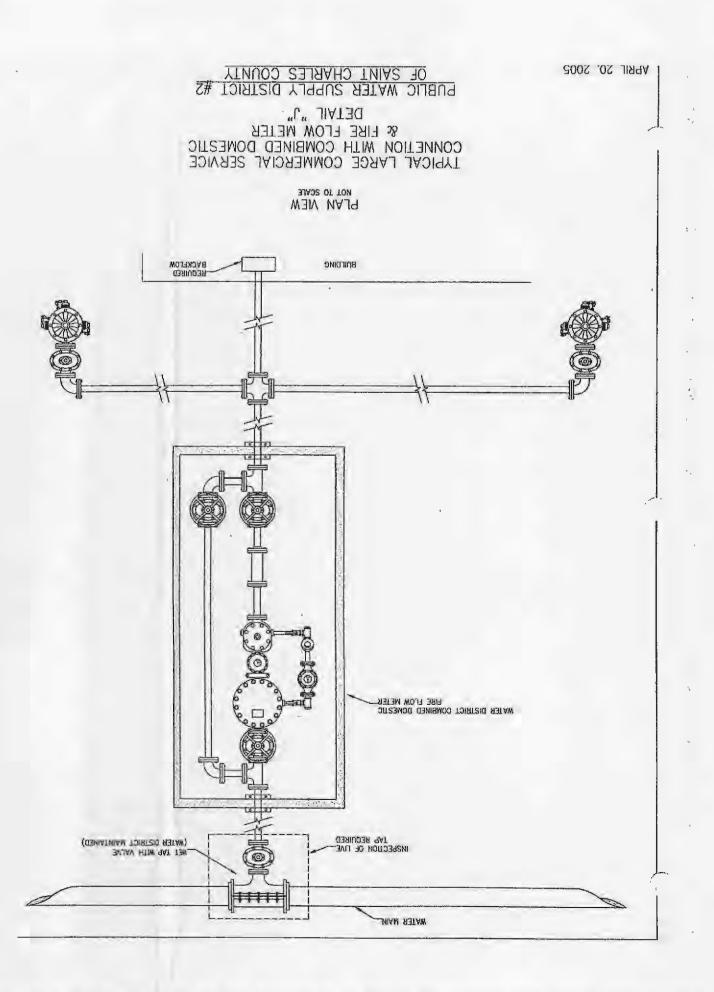
PRECAST CONCRETE









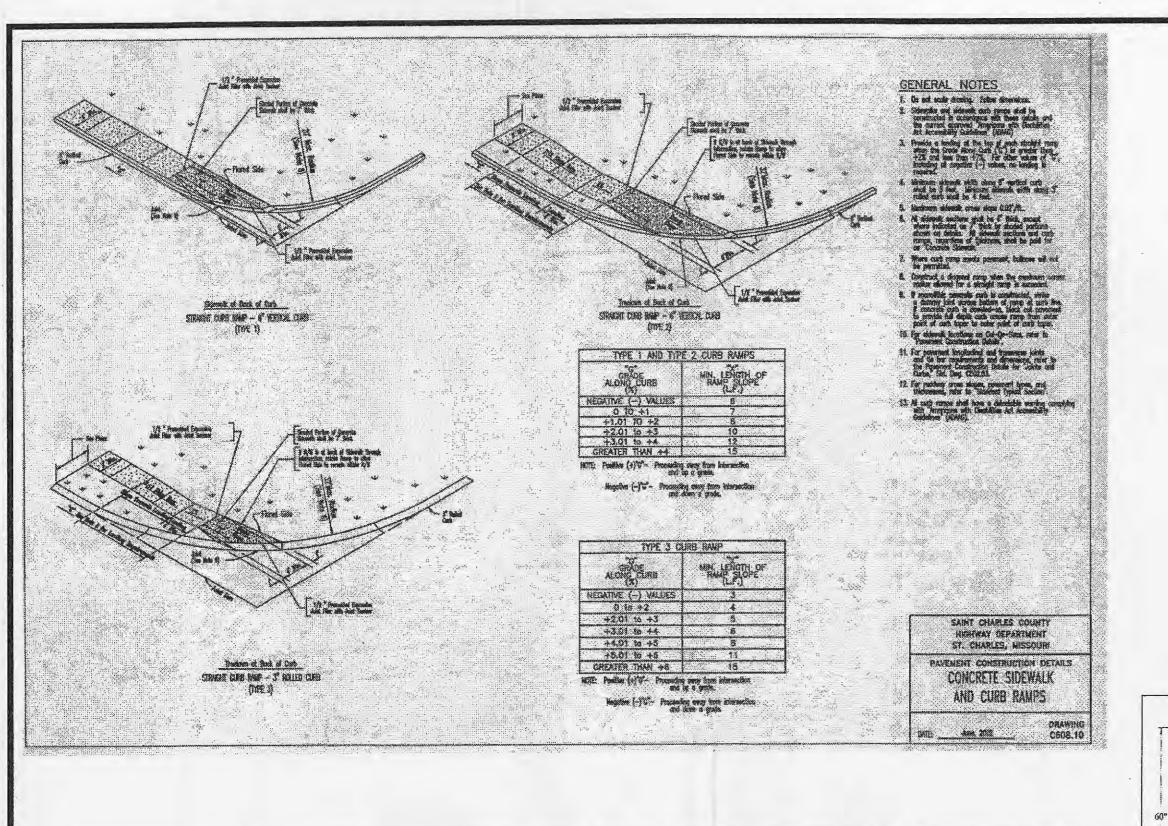


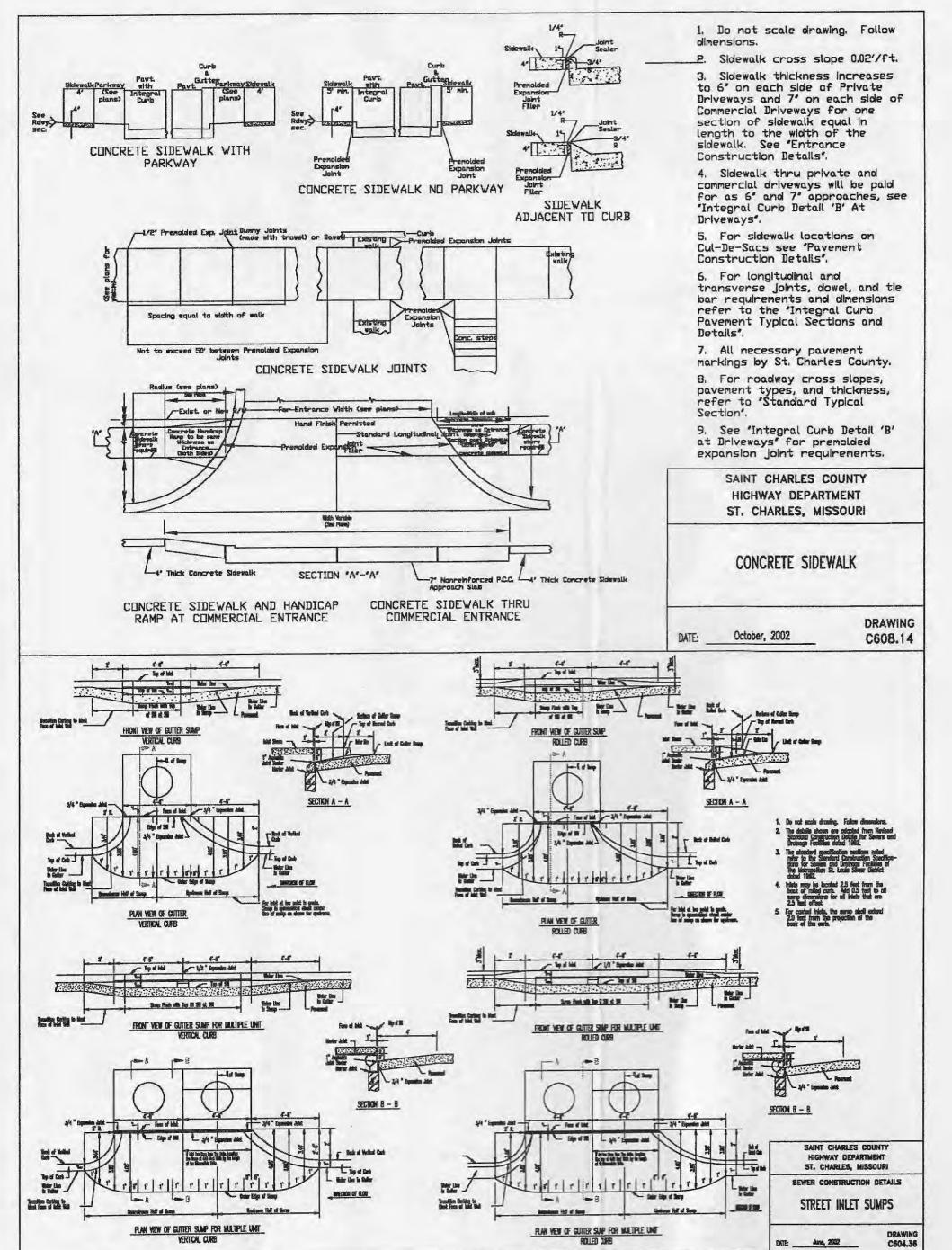
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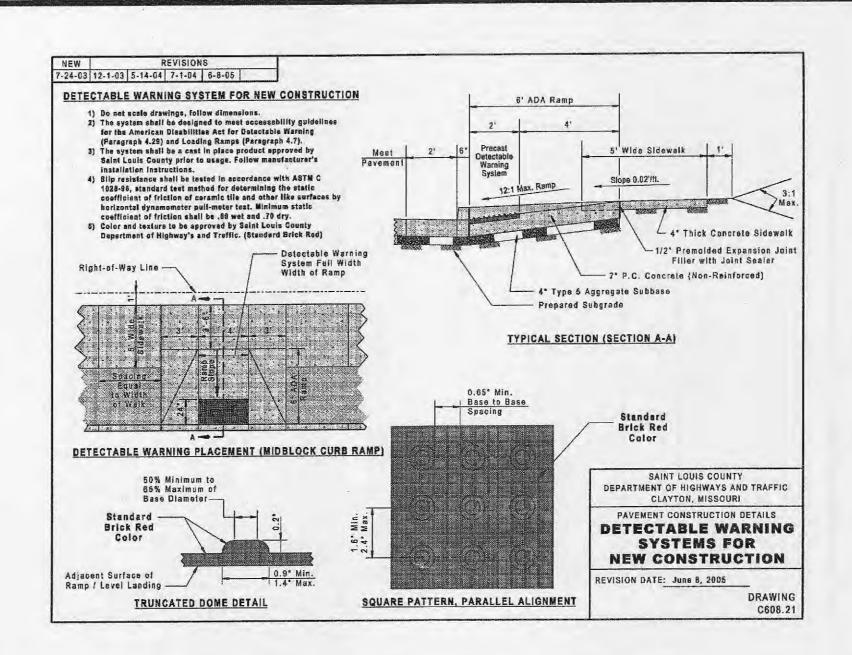
DESIGNED BY JKW DRAWN BY KDK CHECKED BY JFH 8/31/07 Job Number 07-0041 Sheet Number C6.1

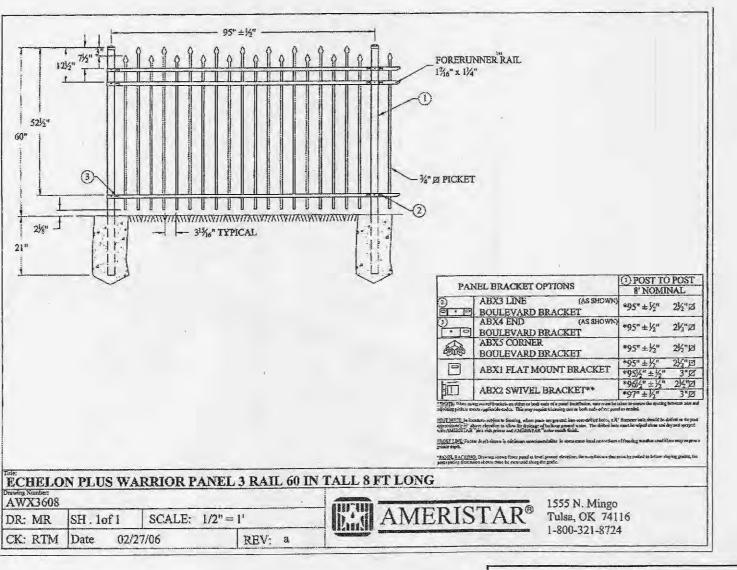
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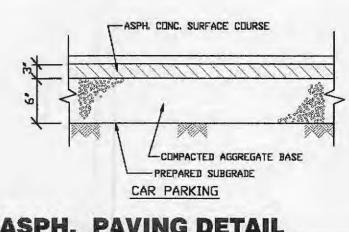
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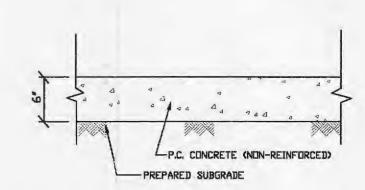




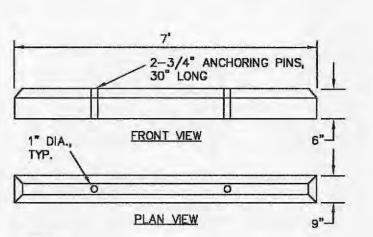


REF. DWG.

1 ASPH. PAVING DETAIL
SCALE: N.T.S.



2 CONCRETE PAVING DETAIL
SCALE: N.T.S. REF. DWG.



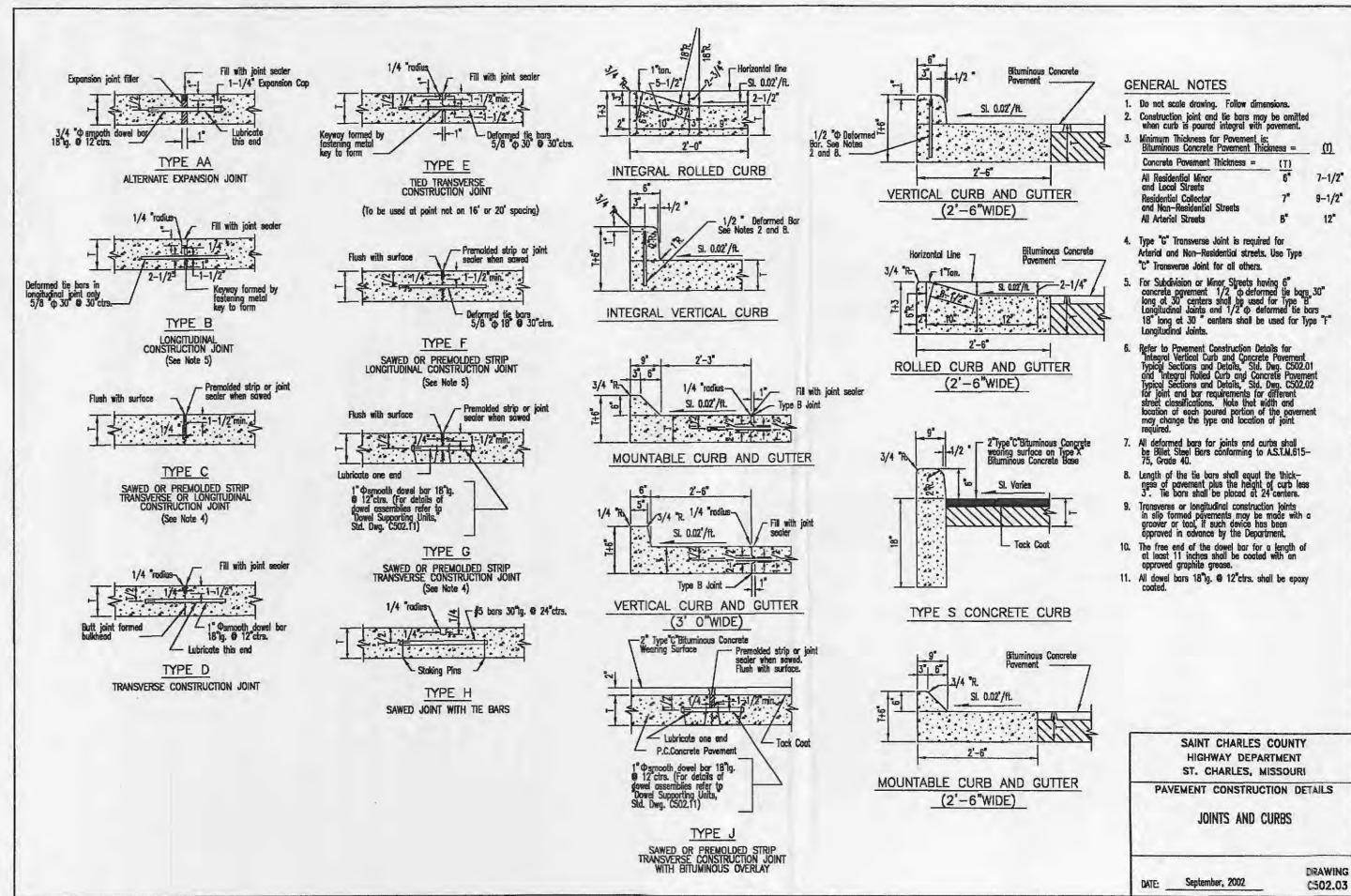
NOTE:
2,500 psi, PRE-CAST, AIR ENTRAINED CONCRETE,
6"H x 9"W x 7'L, CENTERED ON PARKING STALL.
PROVIDE CHAMFERED CORNERS AND DRAINAGE
SLOTS ON THE UNDERSIDE. PROVIDE MFG. STANDARD
CONCRETE ANCHORS, OR #4 STEEL REINFORCING
ROD STAKES OF SUFFICIENT LENGTH TO PENETRATE
THE ROCK BASE PLUS 4", TWO PER WHEEL STOP.

REF. DWG.

NOTE: THE DETAILS SHOWN HEREIN ARE FOR THE PURPOSE OF PRIVATE CONSTRUCTION ONLY, PUBLIC CONSTRUCTION WILL

REQUIRE STRICT ADHERENCE TO THE DETAILS PUBLISHED BY DUCKETT CREEK AND ST. CHARLES COUNTY

3 WHEEL STOP DETAIL
SCALE: N.T.S.



THE JONES COMPANY HOMES, L.L.C. 16640 CHESTERFIELD GROVE, SUITE 2 CHESTERFIELD, MO 63005

PHONE: (636) 537-7192

PHONE: (636) 537-7192

SUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISC RISUANT TO SECTION 327, 411 RSMO) ANY RESPONSIBILITY ON A RESPONSIBILITY ON STRUMENTS.

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RESTON WOODS - PH.
POOL PLANS
ST. CHARLES, MO. 6336

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Set office dr.

and A 10777 sunset offic saint louis, missouri p: 314 984 9887 f: 314

DESIGNED BY

JKW

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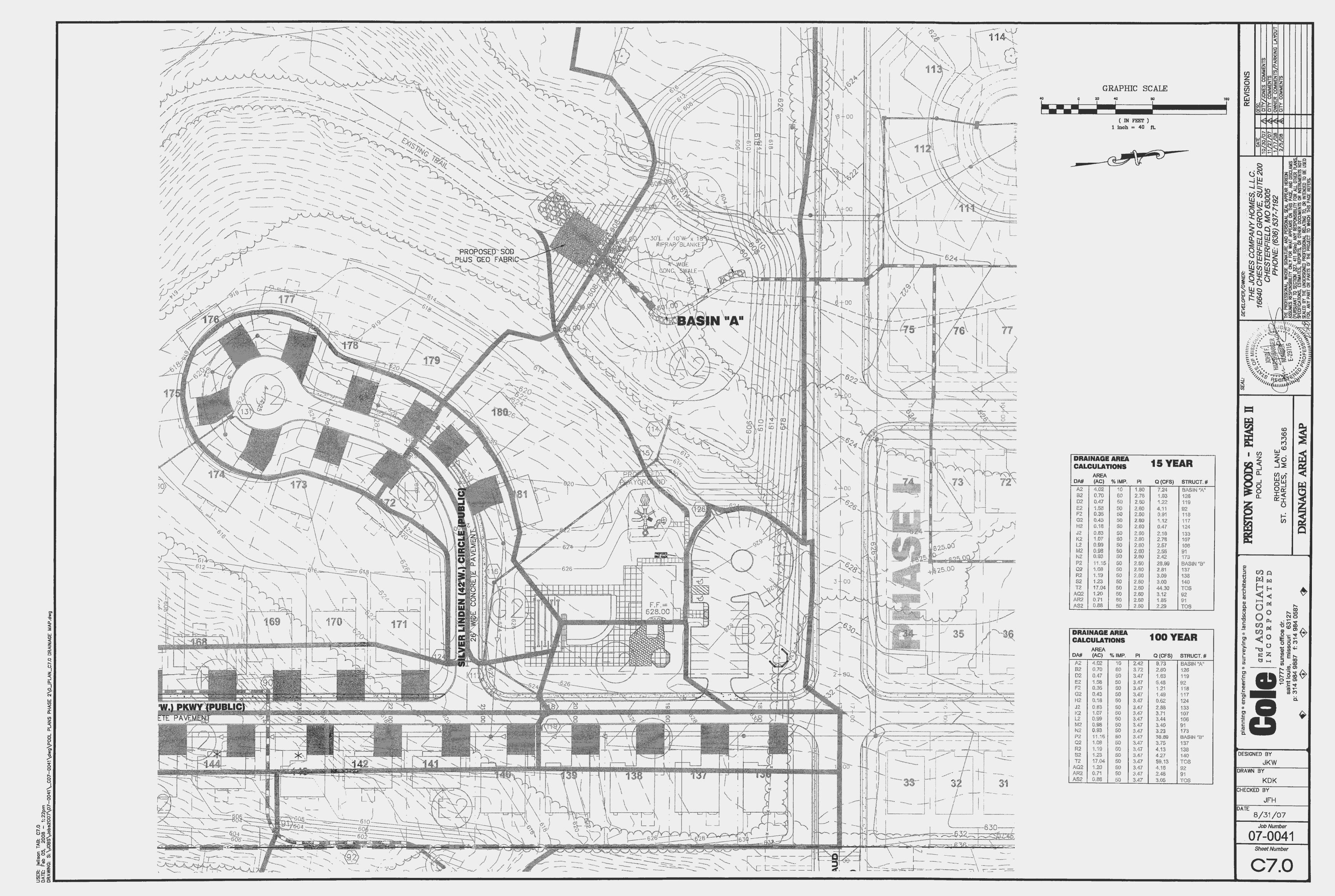
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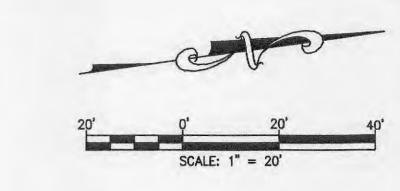
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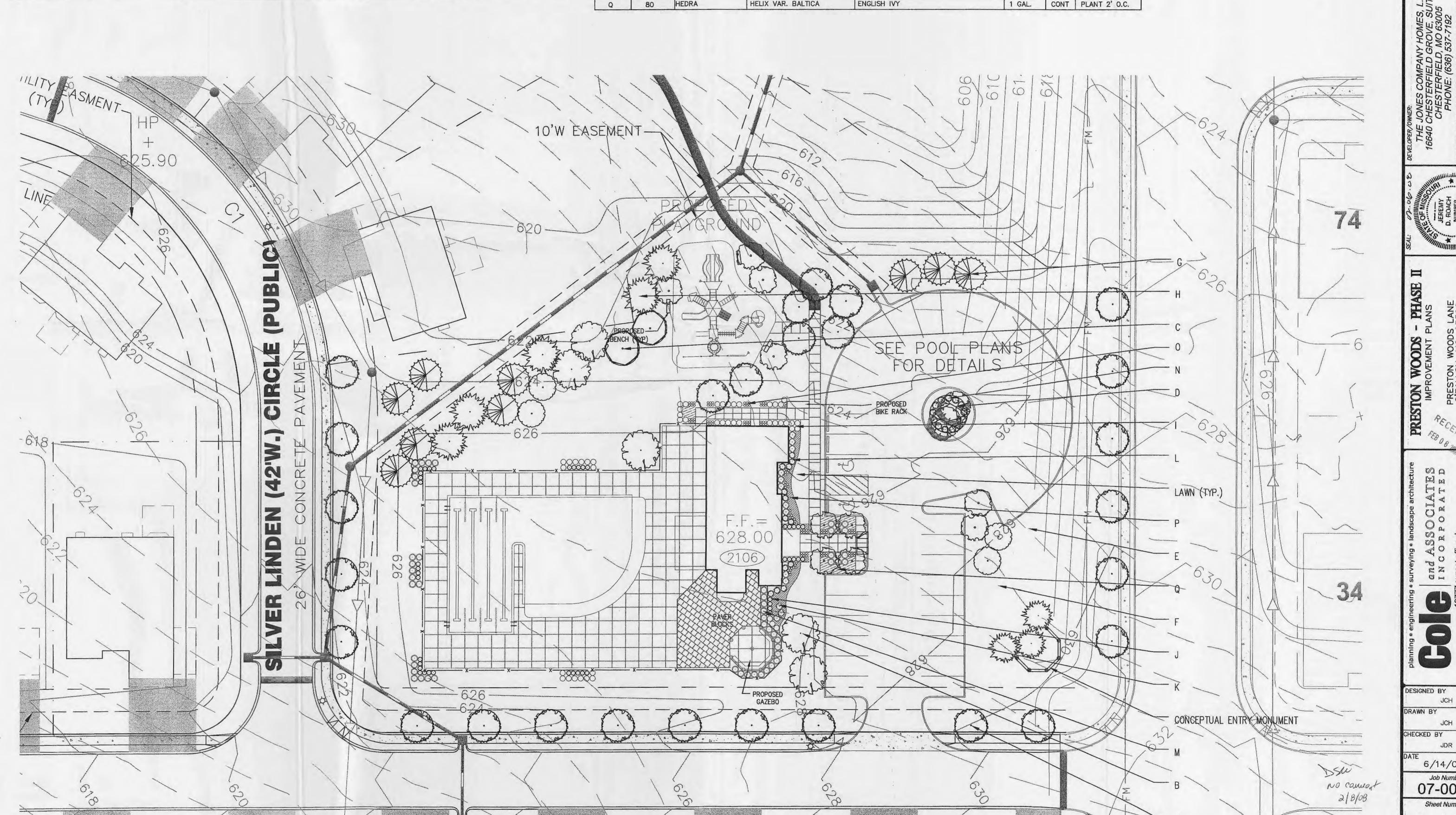
C6.2



			PLANTING SCHE	DULE			
CODE	QTY	GENUS	SPECIES	COMMON NAME	SIZE	COND.	COMMENTS
			SHADE TREES				
Α	27	ACER	RUBRUM 'OCTOBER GLORY'	RED MAPLE	3" MIN.	B&B	
В	5	GLEDITSIA	TRIACANTHOS INERMIS "SKYCOLE"	SKYLINE LOCUST	3" MIN.	B&B	
С	2	KOELREUTERIA	PANICULATA	GOLDENRAIN TREE	3" MIN.	B&B	
D	2	BETULA	NIGRA 'HERITAGE'	RIVER BIRCH	3" MIN.	B&B	10.00
			ORNAMENTAL TREE	ES			
E	10	CERCIS	CANADENSIS	EASTERN REDBUD	2 1/2" MIN.	B&B	
F	4	AMELANCHIER	ARBOREA	DOWNY SERVICEBERRY	2 1/2" MIN.	B&B	
			EVERGREEN TRE	ES			
G	9	PICEA	ABIES	NORWAY SPRUCE	8' HT. MIN.	B&B	
Н	8	PINUS	STROBUS 'HILLSIDE WINTER GOLD'	EASTERN WHITE PINE	8' HT. MIN.	B&B	

			PLAN	TING SCHEDULE			
CODE	QTY	GENUS	SPECIES	SIZE	COND.	COMMENTS	
			S	HRUBS			
1	47	CORNUS	SERICEA 'ALLEMANS'	REDTWIG DOGWOOD	36"	B&B	
J	32	VIBURNUM	OPULUS 'COMPACTUM'	EUROPEAN CRANBERRYBUSH VIBURNUM	24"	B&B	
К	13	RHODODENDRON	(PJM GROUP)	RHODODENDRON	24"	B&B	
L	13	RHODODENDRON	'GIRARD'S ROSE'	EVERGREEN AZALEA	24"	B&B	
М	52	ILEX	GLABRA 'SHAMROCK'	INKBERRY	24"	В&В	
N	13	COTONEASTER	APICULATUS	CRANBERRY COTONEASTER	36"	B&B	PLANT 40" 0.0
			PE	RENNIALS			
0	116	HEMEROCALLIS		DAYLILY	2 GAL.	CONT	1000
			GRO	UND COVER			
Р	60	HEDRA	HELIX	ENGLISH IVY	1 GAL.	CONT	PLANT 2' O.C.
Q	80	HEDRA	HELIX VAR. BALTICA	ENGLISH IVY	1 GAL.	CONT	PLANT 2' O.C.





DESIGNED BY DRAWN BY CHECKED BY

6/14/07

Job Number 07-0041