

- 2. MAXIMUM PROPOSED BUILDING HEIGHT IS 45 FEET.
- 4. ALL DIMENSIONS ARE FROM BACK OF CURB UNLESS SHOWN OTHERWISE.
- INCORPORATED INTO THIS PLAN.

EXISTING UTILITIES

SANITARY SEWER: EXISTING AND PROPOSED SANITARY SEWER

WATER: PROPOSED WATER MAIN TO BE EXTENDED FROM THE

ELECTRIC: PROPOSED ELECTRIC SERVICE TO BE EXTENDED FROM THE NORTH AS SHOWN.

STADIUM 63 PROPERTIES, LLC C/O JOHN STATES 2005 W. BROADWAY STE. 220 COLUMBIA, MO 65203

SITE DATA

ACREAGE: 71.2 ZONING: C-P LOCATION: NE 1/4 OF SECTION 20-48-12

(573) 442-8373



STREAM BUFFER STATEMENT

THIS TRACT IS REGULATED BY THE CITY OF COLUMBIA STREAM BUFFER ORDINANCE AS DETERMINED BY THE USGS MAP FOR COLUMBIA QUADRANGLE, BOONE COUNTY, MISSOURI. A 100' BUFFER HAS BEEN PROVIDED FOR THE TYPE-1 STREAM, GRINDSTONE CREEK, PER THE CROSSCREEK CENTER PLAT 1 PRELIMINARY PLAT APPROVED NOVEMBER 20, 2006.

TREE PRESERVATION

TREE PRESERVATION IS SHOWN AS PER THE APPROVED TREE PRESERVATION PLAN DATED SEPTEMBER 14, 2007.

DARWIN A. HINDMAN, MAYOR SHEELA AMIN, CITY CLERK

ALL LOTS, EXCEPT LOT 110, SHALL HAVE ONE FREESTANDING MONUMENT SIGN WITH A MAXIMUM HEIGHT OF 8 FEET AND A MAXIMUM AREA OF 64 SQ.FT. LOT 110 SHALL HAVE TWO FREESTANDING PYLON SIGNS WITH A MAXIMUM HEIGHT OF 40 FEET AND A MAXIMUM AREA OF 288 SQUARE FEET. SPECIFIC SIGN NOTES ARE PROVIDED ON INDIVIDUAL LOT SHEETS. ALL OTHER SIGNS SHALL CONFORM TO CHAPTER 23 (SIGN ORDINANCE) OF THE CITY OF COLUMBIA CODE OF ORDINANCES AS IT RELATES TO C-3 ZONED PROPERTY, REVISIONS TO SIGN LOCATIONS MAY BE APPROVED AS A MINOR REVISION.

C. THE USE OF GUTTERS AND INLETS TO INTERCEPT AND DRAIN RUNOFF TO

TO THE PUBLIC STORM SEWER SYSTEM.

PROVIDES THE FINAL SITE CONSTRUCTION PLANS.

UNDERGROUND STORAGE TANKS/VAULTS. WITH THIS TYPE OF SYSTEM THE RUNOFF IS

SEPERATION AND FILTRATION DEVICE WHICH TREATS THE RUNOFF PRIOR TO DRAINING

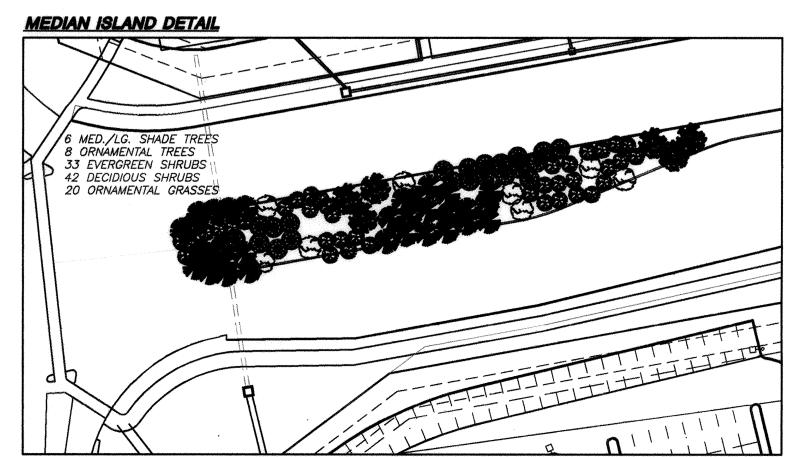
DETAINED IN THE STORAGE TANKS/VAULTS AND IS THEN ROUTED TO A MECHANICAL

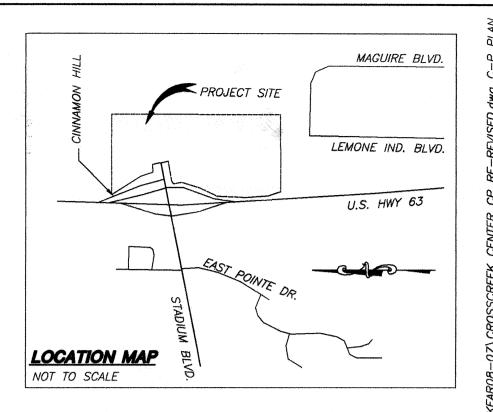
2. ALL STORMWATER MANAGEMENT FACILITIES SHALL BE DESIGNED IN ACCORDANCE WITH

CHAPTER 12A AND THE STORMWATER MANAGEMENT AND WATER QUALITY MANUAL OF THE

CITY OF COLUMBIA. SUCH FINAL DESIGN SHALL BE PROVIDED BY THE ENGINEER THAT

LIGHT POLES SHOWN SHALL BE SEMI-CUTOFF SHOEBOX FIXTURES, INWARD AND DOWNWARD DIRECTED. WHICH MAY BE RELOCATED OR CHANGED IN TOTAL NUMBER BY THE LIGHTING ENGINEER WITHOUT ADDITIONAL APPROVAL. BUILDING MOUNTED LIGHTING IS UNKNOWN AT THIS TIME. ALL OUTDOOR LIGHTING SHALL BE SHOWN ON A FUTURE LIGHTING PLAN THAT WILL COMPLY WITH CHAPTER 29-30.1 OF THE CITY OF COLUMBIA CODE OF ORDINANCES WITH THE EXCEPTION THAT THE MAXIMUM LIGHT POLE HEIGHT SHALL BE 20 FT.





EXISTING WATER METER

EXISTING FIRE HYDRANT

EXISTING WATER VALVE

HANDICAPPED PARKING

HANDICAPPED PARKING SIGN

EXISTING SANITARY CLEANOUT PROPOSED SANITARY MANHOLE

PROPOSED SANITARY CLEANOUT

EXISTING TELEPHONE EXISTING GUARDRAIL EXISTING GAS

EXISTING OVER-HEAD ELECTRIC EXISTING SANITARY

> EXISTING UNDERGROUND ELECTRIC EXISTING WATER

PROPOSED UNDERGROUND TELEPHONE PROPOSED STORM SEWER

FLOWLINE (FE) PROPOSED GAS

> PROPOSED WATER ROOF DRAIN

PROPOSED UNDERGROUND ELECTRIC

EXISTING FENCE ----- PROPOSED FENCE

EXISTING CONTOUR FLOWLINE (F)

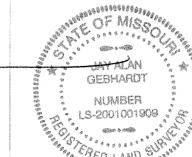
EXISTING TREELINE PRESERVED TREELINE

LEGAL DESCRIPTION

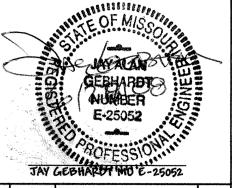
LOTS 101 THROUGH 112 OF CROSSCREEK CENTER PLAT 1 AS RECORDED IN PLAT BOOK 42, PAGE 22 OF THE BOONE COUNTY, MISSOURI RECORDS AND A PORTION OF AN UNPLATTED TRACT OF LAND RECORDED IN BOOK 2736, PAGE 50 OF THE BOONE COUNTY, MISSOURI RECORDS BEING DESCRIBED AS FOLLOWS:

BEGINNING AT A 1/2" IRON PIPE BEING THE SE CORNER OF THE SW 1/4 OF THE NE 1/4 OF SECTION 20 T 48 N, R 12 W; THENCE N88*48'05"W, 1187.40 FEET, THENCE N18*13'30"E, 452.79 FEET; THENCE N64*46'35"E, 293.35 FEET; THENCE S87*24'40"E, 481.69 FEET; THENCE N51'52'55"E, 57.18 FEET; THENCE N10'16'05"E, 172.65 FEET; THENCE N53*52'40"E, 67.33 FEET; THENCE S76*29'50"E, 123.45 FEET; THENCE S31*15'25"E, 128.45 FEET; THENCE S01°32'30"W, 664.64 FEET TO THE POINT OF BEGINNING AND CONTAINING





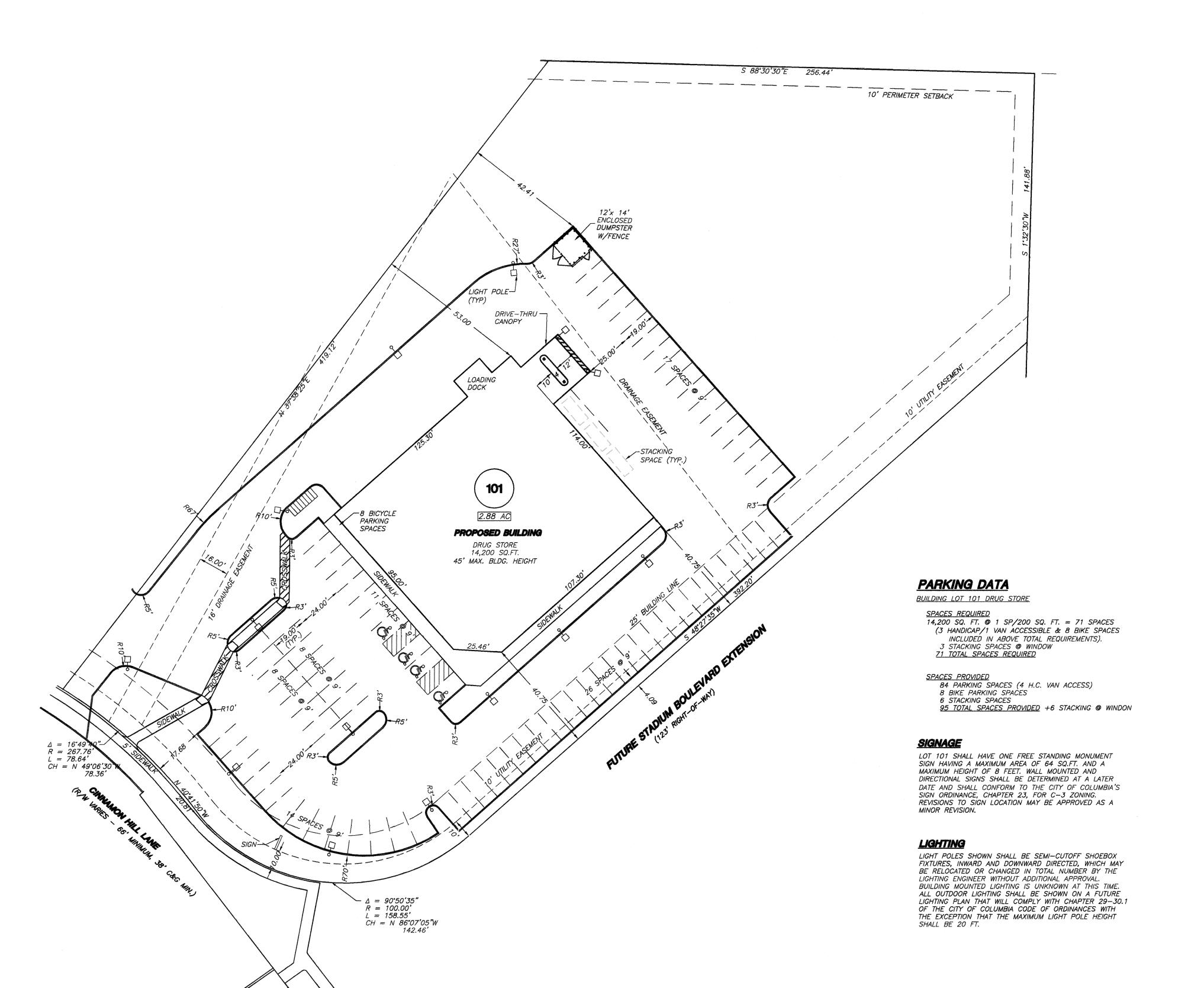
OVERALL PLAN - CROSSCREEK CENTER C-P

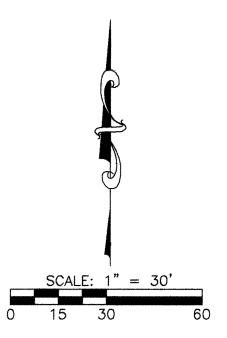




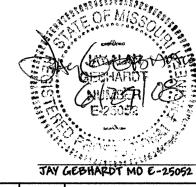
PHONE: (573)817-5750, FAX: (573)817-1677 06/26/08

JUNE 26, 2008





CROSSCREEK CENTER C-P PLAN - LOT 101





COLUMBIA, MO 65201

Y GEBHARDT MO E-25052

PHONE: (573)817-5750, FAX: (573)817-1677

OBJUNE DO JDC

OBJUNE DO JDC

OBJUNE DO JDC

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| | | | DRAWN BY: | JDC | } | DATE: | (| 06/2 | 6/08 |
|------|-------------|----|-----------|--------|-----|-----------|---------|----------------|--------------|
| | | | ENGR: JA | IG PM: | KPM | DRAWING I | no.: KE | EARO | 8- <i>07</i> |
| | | | | KEAR08 | | | 2 | and population | 27 |
| DATE | DESCRIPTION | BY | JOB NO.: | NEARUO | .07 | SHEET | | OF | 2/ |

JUNE 26, 2008

WM EXISTING WATER METER GP GUARD POST

<u>LEGEND</u>

EXISTING FIRE HYDRANT EXISTING WATER VALVE

HANDICAPPED PARKING

(REC.) RECORD

EXISTING SANITARY CLEANOUT

LP⊶G LIGHT POLE

PP O POWER POLE GUY WIRE

EXISTING TELEPHONE Consideration of the contract of the contract

PROPOSED SANITARY

PROPOSED UNDERGROUND ELECTRIC

ROOF DRAIN

-X ---- PROPOSED FENCE

HANDICAPPED PARKING SIGN EXISTING IRON PIPE

SET-IRON (R) REMOVE

M.H.() EXISTING SANITARY MANHOLE

PROPOSED SANITARY MANHOLE

PROPOSED SANITARY CLEANOUT

EXISTING GUARDRAIL EXISTING OVER-HEAD ELECTRIC Control of the Contro

EXISTING UNDERGROUND ELECTRIC EXISTING WATER

PROPOSED UNDERGROUND TELEPHONE PROPOSED STORM SEWER

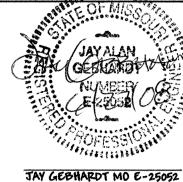
PROPOSED WATER

--- X ---- EXISTING FENCE

700 --- FLOWLINE (F.)

EXISTING TREELINE

CROSSCREEK CENTER C-P STORMWATER: MANAGEMENT/LANDSCAPING - LOT 101



A CIVIL GROUP civil engineering, Planning, Surveying 1123 WILKES BLVD., SUITE 450 COLUMBIA, MO 65201 PHONE: (573)817-5750, FAX: (573)817-1477

06/26/08 DRAWING NO.: KEARO8-0.

\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ LANDSCAPING/TREE PRESERVATION NOTES 1. TOTAL AREA OF LOT= 2.88 AC. = 125,452 SQ.FT. TOTAL PAVED AREA= 49,625 SQ.FT. (40%) TOTAL FUTURE BUILDING AREA = 14,200 SQ.FT. (11%) ∠*PROPOSED* TOTAL IMPERVIOUS AREA= 63,825 SQ.FT. (51%) 42" RCP STORM TOTAL AREA OF LANDSCAPING= 61,627 SQ.FT. (49%) 2. ALL DISTURBED AREAS SHALL BE SEEDED & MULCHED AFTER CONSTRUCTION. 3. PAVED AREA = 49,625 SQ. FT. / 4,500 = 11 TREES APPROX. DETENTION/WATER 4. STREET BUFFER = 345 LF OF PAVED AREA WITHIN 20' OF TREATMENT AREA -PROPOSED FOR CINNAMON HILL LANE RIGHT-OF-WAY. 24" RCP STORM 345 LF / 50' = 7 TREES 345 LF X 50% = 173 LF SCREENING 173 LF SCREENING / 3 LF PER SHRUB = 58 ALL SHRUBS/BUSHES TO BE A MIN. 3' IN HEIGHT 5. 30% OF TOTAL TREES = 10 MED./LG. SHADE TREES. 32 TREES TOTAL SHOWN ON SITE. 6. LANDSCAPING MAY BE ENHANCED BY THE DEVELOPER AS TIME AND BUDGET ALLOWS. 7. ALL STREET PERIMETER LANDSCAPING, THE MEDIAN ISLAND LANDSCAPING, LOT 110 AND LOT 112 LANDSCAPING AND ALL NATIVE GRASS RESTORATION AND REFORESTED AREAS SHALL BE DONE IN ACCORDANCE WITH THE ROST LANDSCAPING PLANS DATED MAY 20, 2008. PLANT SCHEDULE SYMBOL QUANTITY PLANT SPECIES SIZE 101 LARGE DECIDUOUS SHRUB 5 GAL EVERGREEN SHRUB 5 GAL 2.88 AC ORNAMENTAL TREE PROPOSED **BUILDING** SHADE TREE (MED. - LG.) DRUG STORE 1.39 AC. TURF GRASS N/A 14,200 SQ.FT. 42" RCP 4 45' MAX BLDG. HEIGHT ORNAMENTAL GRASS 5' CLUMP RESIDENTIAL SCREENING LOTS 102-104 ABUTT A RESIDENTIALLY USED PROPERTY ALONG THE NORTH PROPERTY LINE. FINAL GRADING WILL PLACE LOTS 102-104 A MINIMUM OF 10' BELOW THE ADJACENT PROPERTY AND WILL USE RETAINING WALLS TO ADJUST GRADES. LOT 101 SHALL HAVE A WOODEN PRIVACY FENCE 8 FT. IN HEIGHT PLACED ALONG THE NORTH AND PVC-SDR 35 SANITARY-EAST SIDES OF THE PROPERTY TO SCREEN RESIDENTIALLY ZONED/USED PROPERTY. SUCH FENCE SHALL HAVE AN OPACITY OF AT LEAST 80% YEAR ROUND. TREE PRESERVATION REFER TO THE OVERALL C-P PLAN (SHEET 1) FOR TREE APPROX. DETENTION/WATER / TREATMENT AREA SHOWN ON INDIVIDUAL SITES IF PRESENT. 15,840 CU.FT.

PRESERVATION DETAILS. TREE PRESERVATION SHALL BE

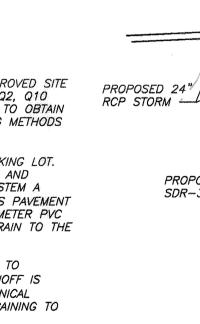
STORMWATER MANAGEMENT

1. IT IS THE INTENT OF THIS PLAN TO CAPTURE THE RUNOFF FROM THE IMPROVED SITE AND DETAIN THE PEAK RUNOFF TO PRE—DEVELOPMENT LEVELS FOR THE Q1, Q2, Q10 AND Q100 DESIGN STORMS. THE Q1 DESIGN STORM SHALL ALSO BE TREATED TO OBTAIN THE APPROPRIATE WATER QUALITY LEVEL OF SERVICE. ONE OF TWO FOLLOWING METHODS MAY BE USED TO ACHEIVE THESE GOALS:

A. THE USE OF PERVIOUS/POROUS PAVEMENT IN PORTIONS OF THE PARKING LOT. THIS TYPE OF PAVEMENT REDUCES THE TOTAL IMPERVIOUS AREA OF THE SITE AND FUNCTIONS AS THE STORM WATER SYSTEM INLET. WITH THIS TYPE OF SYSTEM A GRANULAR STORAGE/FILTRATION BED IS PLACED UNDER THE PERVIOUS/POROUS PAVEMENT FOR DETENTION AND TO ALLOW FOR GROUND WATER RECHARGE. SMALLER DIAMETER PVC PIPES WITHIN THE GRANULAR BED ALLOW FOR EXCESS RETAINED WATER TO DRAIN TO THE PUBLIC STORM SEWER SYSTEM.

B. THE USE OF GUTTERS AND INLETS TO INTERCEPT AND DRAIN RUNOFF TO UNDERGROUND STORAGE TANKS/VAULTS. WITH THIS TYPE OF SYSTEM THE RUNOFF IS DETAINED IN THE STORAGE TANKS/VAULTS AND IS THEN ROUTED TO A MECHANICAL SEPERATION AND FILTRATION DEVICE WHICH TREATS THE RUNOFF PRIOR TO DRAINING TO THE PUBLIC STORM SEWER SYSTEM.

2. ALL STORMWATER MANAGEMENT FACILITIES SHALL BE DESIGNED IN ACCORDANCE WITH CHAPTER 12A AND THE STORMWATER MANAGEMENT AND WATER QUALITY MANUAL OF THE CITY OF COLUMBIA. SUCH FINAL DESIGN SHALL BE PROVIDED BY THE ENGINEER THAT PROVIDES THE FINAL SITE CONSTRUCTION PLANS.



PROPOSED 10" PVC SDR-35 SANITARY

-PROPOSED WATERLINE PROPOSED 10" PVC SDR-35 SANITARY

C-P DEVELOPMENT PLAN

CROSSCREEK CENTER C-P

JUNE 26, 2008

PARKING DATA

BUILDING LOT 102 RESTAURANT

SPACES REQUIRED

4,965 SQ. FT. © 1 SP/100 SQ. FT. = 50 SPACES

(2 HANDICAP/1 VAN ACCESSIBLE & 8 BIKE SPACES INCLUDED

IN ABOVE TOTAL REQUIREMENTS).

4 STACKING SPACES © WINDOW

54 TOTAL SPACES REQUIRED

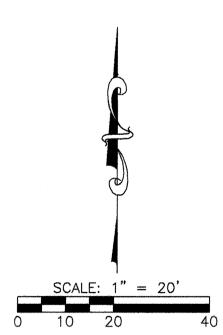
SPACES PROVIDED
52 PARKING SPACES (2 H.C. VAN ACCESS)
8 BIKE SPACES
4 STACKING SPACES @ WINDOW
64 TOTAL SPACES PROVIDED

SIGNAGE

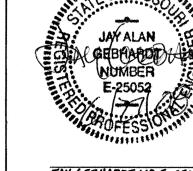
LOT 102 SHALL HAVE ONE FREE STANDING MONUMENT SIGN HAVING A MAXIMUM AREA OF 64 SQ.FT. AND A MAXIMUM HEIGHT OF 8 FEET. WALL MOUNTED AND DIRECTIONAL SIGNS SHALL BE DETERMINED AT A LATER DATE AND SHALL CONFORM TO THE CITY OF COLUMBIA'S SIGN ORDINANCE, CHAPTER 23, FOR C—3 ZONING. REVISIONS TO SIGN LOCATION MAY BE APPROVED AS A MINOR REVISION.

LIGHTING

LIGHT POLES SHOWN SHALL BE SEMI—CUTOFF SHOEBOX FIXTURES, INWARD AND DOWNWARD DIRECTED, WHICH MAY BE RELOCATED OR CHANGED IN TOTAL NUMBER BY THE LIGHTING ENGINEER WITHOUT ADDITIONAL APPROVAL. BUILDING MOUNTED LIGHTING IS UNKNOWN AT THIS TIME. ALL OUTDOOR LIGHTING SHALL BE SHOWN ON A FUTURE LIGHTING PLAN THAT WILL COMPLY WITH CHAPTER 29—30.1 OF THE CITY OF COLUMBIA CODE OF ORDINANCES WITH THE EXCEPTION THAT THE MAXIMUM LIGHT POLE HEIGHT SHALL BE 20 FT.



CROSSCREEK CENTER C-P PLAN - LOT 102





A CIVIL GROUP

CIVIL ENGINEERING, PLANNING, SURVEYING

1123 WILKES BLVD., SUITE 450

COLUMBIA, MO 45201

PHONE: (573)817-5750, FAX: (573)817-1677

TAY GEBHARDT MO E-25052

DRAWN BY: JDC DATE: 06/26/08

ENGR: JAG PM: KPM DRAWING NO.: KEAR08-07

JUNE 26, 2008

LEGEND

WM EXISTING WATER METER

EXISTING FIRE HYDRANT

(R) REMOVE

EXISTING TELEPHONE

EXISTING SANITARY

EXISTING UNDERGROUND ELECTRIC

PROPOSED SANITARY

PROPOSED UNDERGROUND ELECTRIC

ROOF DRAIN

EXISTING TREELINE

HANDICAPPED PARKING

EXISTING SANITARY CLEANOUT

PROPOSED SANITARY MANHOLE

EXISTING GUARDRAIL EXISTING GAS EXISTING OVER-HEAD ELECTRIC EXISTING WATER

PROPOSED UNDERGROUND TELEPHONE

→ W → PROPOSED WATER

-X ---- PROPOSED FENCE

EXISTING CONTOUR

GUARD POST

EXISTING WATER VALVE

HANDICAPPED PARKING SIGN EXISTING IRON PIPE

M.H.() EXISTING SANITARY MANHOLE

PROPOSED SANITARY CLEANOUT

PP O POWER POLE

CONTRACTOR OF CONTRACTOR CONTRACT PROPOSED STORM SEWER

PROPOSED GAS

- X -- - EXISTING FENCE

700 --- FLOWLINE (F.)

REFER TO THE OVERALL C-P PLAN (SHEET 1) FOR TREE

SIZE

5 GAL

N/A

5' CLUMP

STORMWATER MANAGEMENT

PRESERVATION DETAILS. TREE PRESERVATION SHALL BE

LOTS 102-104 ABUTT A RESIDENTIALLY USED PROPERTY ALONG THE NORTH PROPERTY LINE. FINAL GRADING WILL PLACE LOTS 102-104 A MINIMUM OF 10' BELOW THE ADJACENT PROPERTY AND WILL USE RETAINING WALLS TO ADJUST GRADES. LOT 101 SHALL HAVE A WOODEN PRIVACY FENCE 8 FT. IN HEIGHT PLACED ALONG THE NORTH AND EAST SIDES OF THE PROPERTY TO SCREEN RESIDENTIALLY ZONED/USED PROPERTY. SUCH FENCE SHALL HAVE AN

RESIDENTIAL SCREENING

OPACITY OF AT LEAST 80% YEAR ROUND.

SHOWN ON INDIVIDUAL SITES IF PRESENT.

TREE PRESERVATION

1. IT IS THE INTENT OF THIS PLAN TO CAPTURE THE RUNOFF FROM THE IMPROVED SITE AND DETAIN THE PEAK RUNOFF TO PRE-DEVELOPMENT LEVELS FOR THE Q1, Q2, Q10 AND Q100 DESIGN STORMS. THE Q1 DESIGN STORM SHALL ALSO BE TREATED TO OBTAIN THE APPROPRIATE WATER QUALITY LEVEL OF SERVICE. ONE OF TWO FOLLOWING METHODS MAY BE USED TO ACHEIVE THESE GOALS:

LANDSCAPING/TREE PRESERVATION NOTES

2. ALL DISTURBED AREAS SHALL BE SEEDED & MULCHED AFTER CONSTRUCTION.

4. STREET BUFFER = 82 LF OF PAVED AREA WITHIN 20' OF RIGHT-OF-WAY.

PLANT SPECIES

LARGE DECIDUOUS SHRUB

SHADE TREE (MED. - LG.)

EVERGREEN SHRUB

ORNAMENTAL TREE

ORNAMENTAL GRASS

TURF GRASS

1. TOTAL AREA OF LOT= 1.79 AC. = 77,975 SQ.FT. TOTAL PAVED AREA= 40,885 SQ.FT. (51%)

82 LF / 50' = 2 TREES

82 LF X 50% = 41 LF SCREENING

TOTAL FUTURE BUILDING AREA= 4,965 SQ.FT. (6%) TOTAL IMPERVIOUS AREA= 45,850 SQ.FT. (59%) TOTAL AREA OF LANDSCAPING= 32,125 SQ.FT. (41%)

3. PAVED AREA = 40,885 SQ. FT. / 4,500 = 9 TREES REQUIRED.

A. THE USE OF PERVIOUS/POROUS PAVEMENT IN PORTIONS OF THE PARKING LOT. THIS TYPE OF PAVEMENT REDUCES THE TOTAL IMPERVIOUS AREA OF THE SITE AND FUNCTIONS AS THE STORM WATER SYSTEM INLET. WITH THIS TYPE OF SYSTEM A GRANULAR STORAGE/FILTRATION BED IS PLACED UNDER THE PERVIOUS/POROUS PAVEMENT FOR DETENTION AND TO ALLOW FOR GROUND WATER RECHARGE. SMALLER DIAMETER PVC PIPES WITHIN THE GRANULAR BED ALLOW FOR EXCESS RETAINED WATER TO DRAIN TO THE PUBLIC STORM SEWER SYSTEM.

B. THE USE OF GUTTERS AND INLETS TO INTERCEPT AND DRAIN RUNOFF TO UNDERGROUND STORAGE TANKS/VAULTS. WITH THIS TYPE OF SYSTEM THE RUNOFF IS DETAINED IN THE STORAGE TANKS/VAULTS AND IS THEN ROUTED TO A MECHANICAL SEPERATION AND FILTRATION DEVICE WHICH TREATS THE RUNOFF PRIOR TO DRAINING TO THE PUBLIC STORM SEWER SYSTEM.

2. ALL STORMWATER MANAGEMENT FACILITIES SHALL BE DESIGNED IN ACCORDANCE WITH CHAPTER 12A AND THE STORMWATER MANAGEMENT AND WATER QUALITY MANUAL OF THE CITY OF COLUMBIA. SUCH FINAL DESIGN SHALL BE PROVIDED BY THE ENGINEER THAT PROVIDES THE FINAL SITE CONSTRUCTION PLANS.

CROSSCREEK CENTER C-P STORMWATER MANAGEMENT/LANDSCAPING - LOT 102

JAY GEBHARDT MO E-25052

E-25052

A CIVIL GROUP CIVIL ENGINEERING, PLANNING, SURVEYING 1123 WILKES BLVD., SUITE 450

COLUMBIA, MO 65201 PHONE: (573)817-5750, FAX: (573)817-1677

06/26/08 . KEAR08-07 SHEET 5 OF 27

RESTAURANT 41 LF SCREENING / 3 LF PER SHRUB = 14 SHRUB/BUSHES 4,965 SQ.FT. ALL SHRUBS/BUSHES TO BE A MIN. 3' IN HEIGHT 45' MAX BLDG. HEIGHT 5. 30% OF TOTAL TREES = 4 MED./LG. SHADE TREES. 13 TREES TOTAL SHOWN ON SITE. (14) (T4D) (740) 6. LANDSCAPING MAY BE ENHANCED BY THE DEVELOPER AS TIME AND BUDGET ALLOWS. (38) (736) (734) 7. ALL STREET PERIMETER LANDSCAPING, THE MEDIAN ISLAND LANDSCAPING, LOT 110 AND LOT 112 LANDSCAPING AND ALL NATIVE GRASS RESTORATION AND REFORESTED AREAS SHALL BE DONE IN ACCORDANCE WITH THE ROST LANDSCAPING PLANS DATED MAY 20, 2008. PLANT SCHEDULE SYMBOL QUANTITY

(730) APPROX. DETENTION/WATER TREATMENT AREA 9,845 CU.FT.

1.79 AC

BUILDING

~PROPOSED 24

746

46

CINNAMON HILL LANE

JUNE 26, 2008



-

5 SPACES @ 9'

5 SPACES @ 9

R = 270.60' L = 31.17' CH = N 86'41'30''W31.15'

B BICYCLE
PARKING
SPACES

5' SIDEWALK

5' SIDEWALK

2.87 AC

PROPOSED BUILDING

RETAIL BUILDING 30,800 SQ.FT. 45' MAX BLDG. HEIGHT

220.00'

10' UTILITY ESMT.

O N 88*32'15"W 266.09'

CINNAMON HILL LANE (66' R/W, 38' C & G)

5' SIDEWALK

ENCLOSES DUMPSTER W/FENCE

LIGHT POLE

4 BICYCLI PARKING SPACES

 $\Delta = 18.25.55$ " R = 413.46' L = 133.01' CH = N 79.19.20" 132.44'

PARKING DATA

BUILDING LOT 103 RETAIL

SPACES REQUIRED

30,800 SQ. FT. © 1 SP/200 SQ. FT. = 154 SPACES

(7 HANDICAP/2 VAN ACCESSABLE & 12 BIKE SPACES

INCLUDED IN ABOVE TOTAL REQUIREMENTS).

154 TOTAL SPACES REQUIRED

SPACES PROVIDED

143 REGULAR SPACES (7 H.C. VAN ACCESS)

12 BIKE SPACES

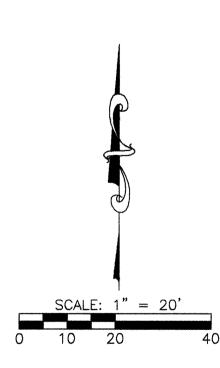
155 TOTAL SPACES PROVIDED

SIGNAGE

LOT 103 SHALL HAVE ONE FREE STANDING MONUMENT SIGN HAVING A MAXIMUM AREA OF 64 SQ.FT. AND A MAXIMUM HEIGHT OF 8 FEET. WALL MOUNTED AND DIRECTIONAL SIGNS SHALL BE DETERMINED AT A LATER DATE AND SHALL CONFORM TO THE CITY OF COLUMBIA'S SIGN ORDINANCE, CHAPTER 23, FOR C-3 ZONING. REVISIONS TO SIGN LOCATION MAY BE APPROVED AS A MINOR REVISION.

<u>LIGHTI</u>

LIGHT POLES SHOWN SHALL BE SEMI—CUTOFF SHOEBOX FIXTURES, INWARD AND DOWNWARD DIRECTED, WHICH MAY BE RELOCATED OR CHANGED IN TOTAL NUMBER BY THE LIGHTING ENGINEER WITHOUT ADDITIONAL APPROVAL. BUILDING MOUNTED LIGHTING IS UNKNOWN AT THIS TIME. ALL OUTDOOR LIGHTING SHALL BE SHOWN ON A FUTURE LIGHTING PLAN THAT WILL COMPLY WITH CHAPTER 29—30.1 OF THE CITY OF COLUMBIA CODE OF ORDINANCES WITH THE EXCEPTION THAT THE MAXIMUM LIGHT POLE HEIGHT SHALL BE 20 FT.



CROSSCREEK CENTER C-P PLAN - LOT 103





PHONE: (513)811-5150, FAX: (513)811-1411

| DRAWN BY: JDC | DATE: 06/26/08

ENGR: JAG PM: KPM DRAWING NO.: KEARO8-07

IPTION BY JOB NO.: KEARO8.07 SHEET 6 OF 27

JUNE 26, 2008

LEGEND

EXISTING WATER METER

GUARD POST

EXISTING WATER VALVE

HANDICAPPED PARKING

HANDICAPPED PARKING SIGN

EXISTING FIRE HYDRANT

EXISTING IRON PIPE

EXISTING SANITARY MANHOLE EXISTING SANITARY CLEANOUT

PROPOSED SANITARY MANHOLE

PROPOSED SANITARY CLEANOUT

EXISTING TELEPHONE O O O EXISTING GUARDRAIL EXISTING GAS - OE EXISTING OVER-HEAD ELECTRIC

EXISTING SANITARY

EXISTING UNDERGROUND ELECTRIC EXISTING WATER

PROPOSED SANITARY PROPOSED UNDERGROUND TELEPHONE

PROPOSED STORM SEWER FLOWLINE (FE)

PROPOSED GAS

PROPOSED UNDERGROUND ELECTRIC

PROPOSED WATER

EXISTING FENCE

EXISTING CONTOUR

EXISTING TREELINE

STORMWATER MANAGEMENT

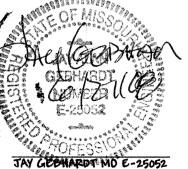
1. IT IS THE INTENT OF THIS PLAN TO CAPTURE THE RUNOFF FROM THE IMPROVED SITE AND DETAIN THE PEAK RUNOFF TO PRE-DEVELOPMENT LEVELS FOR THE Q1, Q2, Q10 AND Q100 DESIGN STORMS. THE Q1 DESIGN STORM SHALL ALSO BE TREATED TO OBTAIN THE APPROPRIATE WATER QUALITY LEVEL OF SERVICE. ONE OF TWO FOLLOWING METHODS MAY BE USED TO ACHEIVE THESE GOALS:

A. THE USE OF PERVIOUS/POROUS PAVEMENT IN PORTIONS OF THE PARKING LOT. THIS TYPE OF PAVEMENT REDUCES THE TOTAL IMPERVIOUS AREA OF THE SITE AND FUNCTIONS AS THE STORM WATER SYSTEM INLET. WITH THIS TYPE OF SYSTEM A GRANULAR STORAGE/FILTRATION BED IS PLACED UNDER THE PERVIOUS/POROUS PAVEMENT FOR DETENTION AND TO ALLOW FOR GROUND WATER RECHARGE. SMALLER DIAMETER PVC PIPES WITHIN THE GRANULAR BED ALLOW FOR EXCESS RETAINED WATER TO DRAIN TO THE PUBLIC STORM SEWER SYSTEM.

B. THE USE OF GUTTERS AND INLETS TO INTERCEPT AND DRAIN RUNOFF TO UNDERGROUND STORAGE TANKS/VAULTS. WITH THIS TYPE OF SYSTEM THE RUNOFF IS DETAINED IN THE STORAGE TANKS/VAULTS AND IS THEN ROUTED TO A MECHANICAL SEPERATION AND FILTRATION DEVICE WHICH TREATS THE RUNOFF PRIOR TO DRAINING TO THE PUBLIC STORM SEWER SYSTEM.

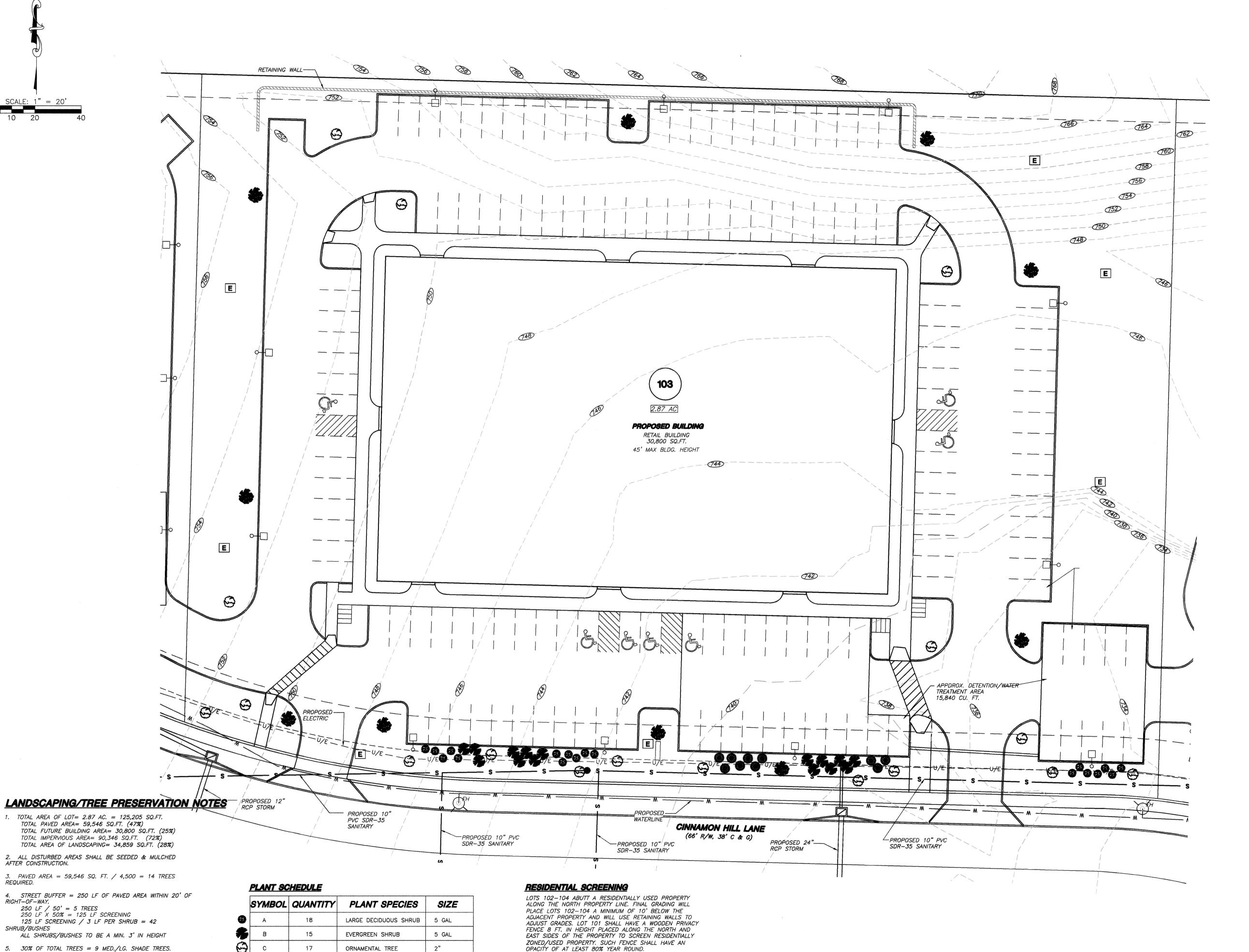
2. ALL STORMWATER MANAGEMENT FACILITIES SHALL BE DESIGNED IN ACCORDANCE WITH CHAPTER 12A AND THE STORMWATER MANAGEMENT AND WATER QUALITY MANUAL OF THE CITY OF COLUMBIA. SUCH FINAL DESIGN SHALL BE PROVIDED BY THE ENGINEER THAT PROVIDES THE FINAL SITE CONSTRUCTION PLANS.

CROSSCREEK CENTER C-P STORMWATER MANAGEMENT/LANDSCAPING - LOT 103



A CIVIL GROUP CIVIL ENGINEERING, PLANNING, SURVEYING 1123 WILKES BLVD., SUITE 450 COLUMBIA, MO 65201 PHONE: (573)817-5150, FAX: (573)817-1671

06/26/08 AWING NO.: KEARO8-07 KEAR08.07



AFTER CONSTRUCTION.

250 LF / 50' = 5 TREES

27 TREES TOTAL SHOWN ON SITE.

AS TIME AND BUDGET ALLOWS.

6. LANDSCAPING MAY BE ENHANCED BY THE DEVELOPER

SHALL BE DONE IN ACCORDANCE WITH THE ROST

LANDSCAPING PLANS DATED MAY 20, 2008.

7. ALL STREET PERIMETER LANDSCAPING, THE MEDIAN ISLAND

LANDSCAPING, LOT 110 AND LOT 112 LANDSCAPING AND

ALL NATIVE GRASS RESTORATION AND REFORESTED AREAS

SHADE TREE (MED. - LG.)

N/A

5' CLUMP

TURF GRASS

ORNAMENTAL GRASS

.87 AC.

TREE PRESERVATION

SHOWN ON INDIVIDUAL SITES IF PRESENT.

REFER TO THE OVERALL C—P PLAN (SHEET 1) FOR TREE PRESERVATION DETAILS. TREE PRESERVATION SHALL BE

REQUIRED.

RIGHT-OF-WAY.

SHRUB/BUSHES

JUNE 26, 2008

PARKING DATA

BUILDING LOT 104 BANK

SPACES REQUIRED

5,500 SQ. FT. @ 1 SP/300 SQ. FT. = 19 SPACES

(1 HANDICAP/1 VAN ACCESSABLE & 4 BIKE SPACES INCLUDED

IN ABOVE TOTAL REQUIREMENTS).

12 STACKING SPACES @ THE WINDOWS

31 TOTAL SPACES REQUIRED

SPACES PROVIDED

20 PARKING SPACES (2 H.C. VAN ACCESS)

4 BIKE SPACES

12 SPACES @ WINDOW 36 TOTAL SPACES PROVIDED

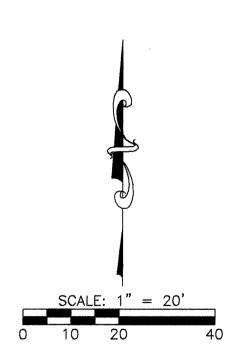
SIGNAGE

LOT 104 SHALL HAVE ONE FREE STANDING MONUMENT
SIGN HAVING A MAXIMUM AREA OF 64 SQ.FT. AND A
MAXIMUM HEIGHT OF 8 FEET. WALL MOUNTED AND
DIRECTIONAL SIGNS SHALL BE DETERMINED AT A LATER

DATE AND SHALL CONFORM TO THE CITY OF COLUMBIA'S SIGN ORDINANCE, CHAPTER 23, FOR C-3 ZONING.
REVISIONS TO SIGN LOCATION MAY BE APPROVED AS A MINOR REVISION.

LIGHTING

LIGHT POLES SHOWN SHALL BE SEMI—CUTOFF SHOEBOX FIXTURES, INWARD AND DOWNWARD DIRECTED, WHICH MAY BE RELOCATED OR CHANGED IN TOTAL NUMBER BY THE LIGHTING ENGINEER WITHOUT ADDITIONAL APPROVAL. BUILDING MOUNTED LIGHTING IS UNKNOWN AT THIS TIME. ALL OUTDOOR LIGHTING SHALL BE SHOWN ON A FUTURE LIGHTING PLAN THAT WILL COMPLY WITH CHAPTER 29—30.1 OF THE CITY OF COLUMBIA CODE OF ORDINANCES WITH THE EXCEPTION THAT THE MAXIMUM LIGHT POLE HEIGHT SHALL BE 20 FT.



CROSSCREEK CENTER C-P PLAN - LOT 104



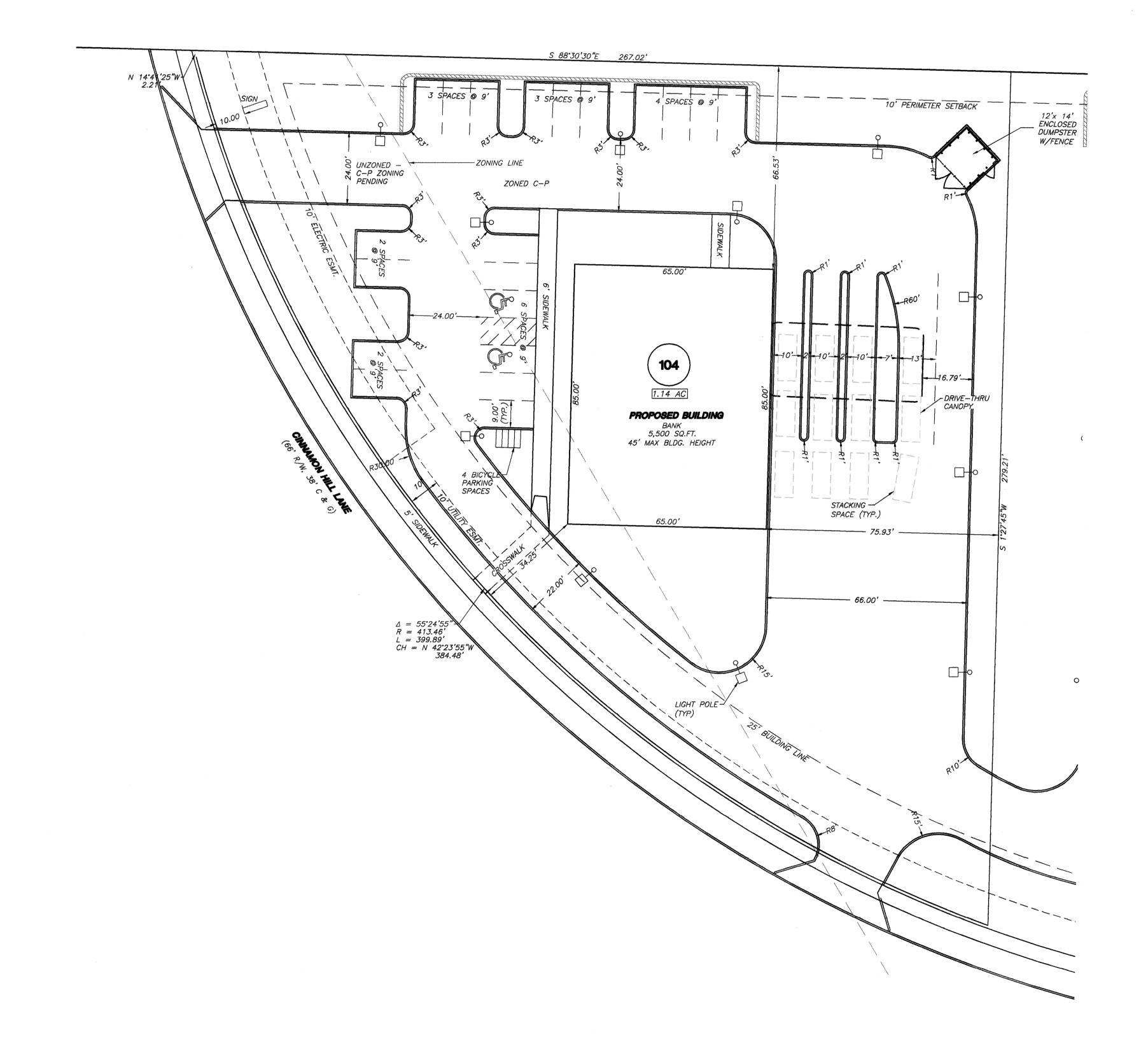


A CIVIL GROUP

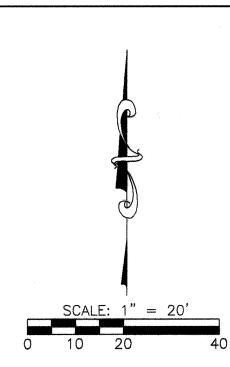
CIVIL ENGINEERING, PLANNING, SURVEYING
1123 WILKES BLVD., SUITE 450

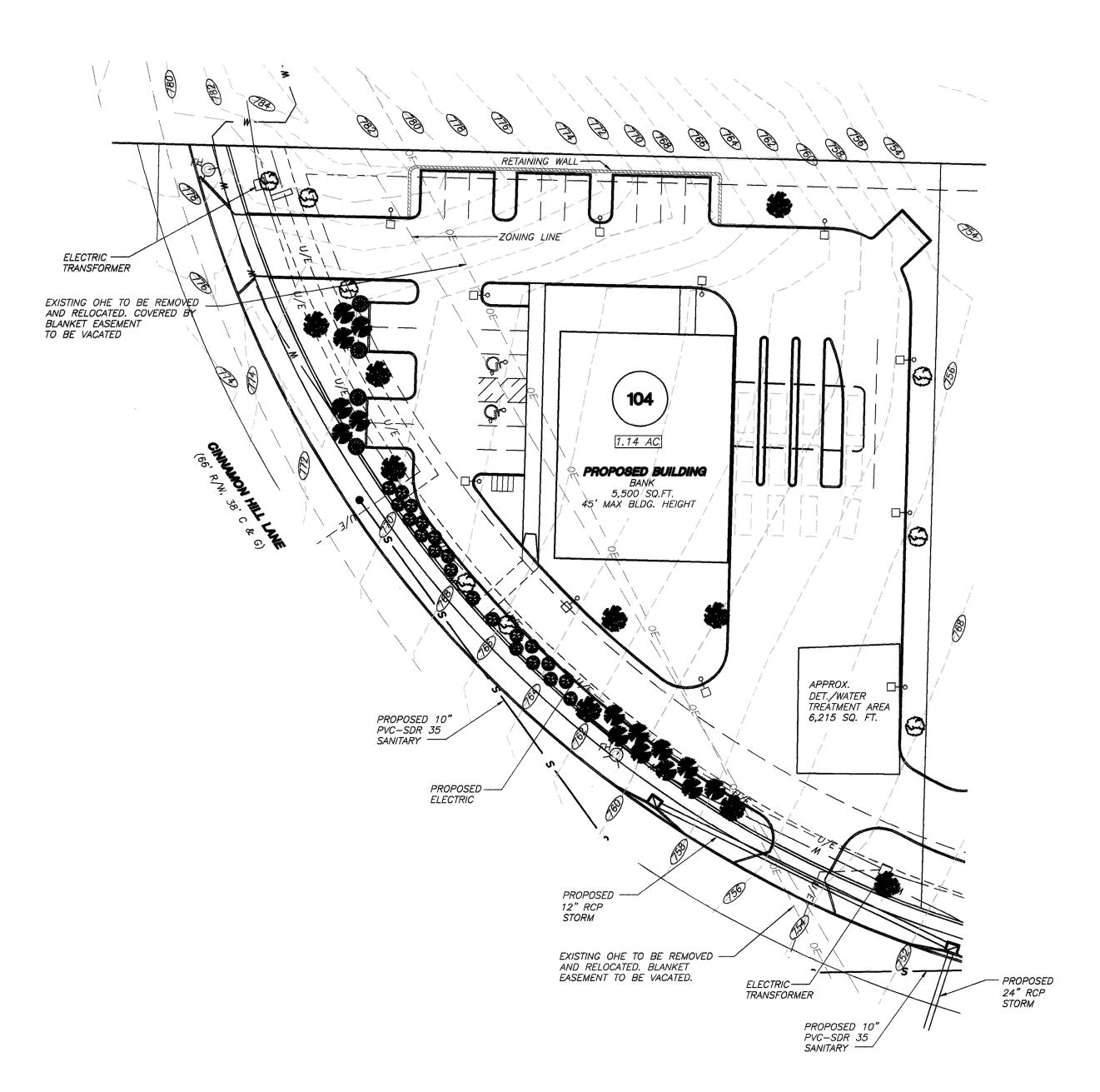
COLUMBIA, MO 65201

PHONE: (573)817-5150, FAX: (573)817-1671



JUNE 26, 2008





LANDSCAPING/TREE PRESERVATION NOTES

1. TOTAL AREA OF LOT= 1.14 AC. = 49,770 SQ.FT.

TOTAL PAVED AREA= 28,941 SQ.FT. (58%)

TOTAL FUTURE BUILDING AREA= 5,500 SQ.FT. (11%)

TOTAL IMPERVIOUS AREA= 34,441 SQ.FT. (69%)

TOTAL AREA OF LANDSCAPING= 15,329 SQ.FT. (31%)

2. ALL DISTURBED AREAS SHALL BE SEEDED & MULCHED AFTER CONSTRUCTION.

3. PAVED AREA = 28,941 SQ. FT. / 4,500 = 7 TREES

4. STREET BUFFER = 240 LF OF PAVED AREA WITHIN 20' OF RIGHT-OF-WAY.

240 LF / 50' = 5 TREES

240 LF X 50% = 120 LF SCREENING 120 LF SCREENING / 3 LF PER SHRUB = 40 SHRUB/BUSHES

ALL SHRUBS/BUSHES TO BE A MIN. 3' IN HEIGHT

5. 30% OF TOTAL TREES = 6 MED./LG. SHADE TREES. 17 TREES TOTAL SHOWN ON SITE.

6. LANDSCAPING MAY BE ENHANCED BY THE DEVELOPER AS TIME AND BUDGET ALLOWS.

7. ALL STREET PERIMETER LANDSCAPING, THE MEDIAN ISLAND LANDSCAPING, LOT 110 AND LOT 112 LANDSCAPING AND ALL NATIVE GRASS RESTORATION AND REFORESTED AREAS SHALL BE DONE IN ACCORDANCE WITH THE ROST LANDSCAPING PLANS DATED MAY 20, 2008.

PLANT SCHEDULE

| SYMBOL | QUANTITY | PLANT SPECIES | SIZE |
|--------|----------|-----------------------|----------|
| Α | 21 | LARGE DECIDUOUS SHRUB | 5 GAL |
| В | 15 | EVERGREEN SHRUB | 5 GAL |
| С | 8 | ORNAMENTAL TREE | 2" |
| D | 9 | SHADE TREE (MED LG.) | 2" |
| E | .74 A.C. | TURF GRASS | N/A |
| F | 4 | ORNAMENTAL GRASS | 5' CLUMP |

RESIDENTIAL SCREENING

LOTS 101-104 ABUTT A RESIDENTIALLY USED PROPERTY ALONG THE NORTH PROPERTY LINE. FINAL GRADING WILL PLACE LOTS 102-104 A MINIMUM OF 10' BELOW THE ADJACENT PROPERTY AND WILL USE RETAINING WALLS TO ADJUST GRADES. LOT 101 SHALL HAVE A WOODEN PRIVACY FENCE 8 FT. IN HEIGHT PLACED ALONG THE NORTH AND EAST SIDES OF THE PROPERTY TO SCREEN RESIDENTIALLY ZONED/USED PROPERTY. SUCH FENCE SHALL HAVE AN OPACITY OF AT LEAST 80% YEAR ROUND.

TREE PRESERVATION

REFER TO THE OVERALL C-P PLAN (SHEET 1) FOR TREE PRESERVATION DETAILS. TREE PRESERVATION SHALL BE SHOWN ON INDIVIDUAL SITES IF PRESENT.

STORMWATER MANAGEMENT

1. IT IS THE INTENT OF THIS PLAN TO CAPTURE THE RUNOFF FROM THE IMPROVED SITE AND DETAIN THE PEAK RUNOFF TO PRE—DEVELOPMENT LEVELS FOR THE Q1, Q2, Q10 AND Q100 DESIGN STORMS. THE Q1 DESIGN STORM SHALL ALSO BE TREATED TO OBTAIN THE APPROPRIATE WATER QUALITY LEVEL OF SERVICE. ONE OF TWO FOLLOWING METHODS MAY BE USED TO ACHEIVE THESE GOALS:

A. THE USE OF PERVIOUS/POROUS PAVEMENT IN PORTIONS OF THE PARKING LOT. THIS TYPE OF PAVEMENT REDUCES THE TOTAL IMPERVIOUS AREA OF THE SITE AND FUNCTIONS AS THE STORM WATER SYSTEM INLET. WITH THIS TYPE OF SYSTEM A GRANULAR STORAGE/FILTRATION BED IS PLACED UNDER THE PERVIOUS/POROUS PAVEMENT FOR DETENTION AND TO ALLOW FOR GROUND WATER RECHARGE. SMALLER DIAMETER PVC PIPES WITHIN THE GRANULAR BED ALLOW FOR EXCESS RETAINED WATER TO DRAIN TO THE PUBLIC STORM SEWER SYSTEM.

B. THE USE OF GUTTERS AND INLETS TO INTERCEPT AND DRAIN RUNOFF TO UNDERGROUND STORAGE TANKS/VAULTS. WITH THIS TYPE OF SYSTEM THE RUNOFF IS DETAINED IN THE STORAGE TANKS/VAULTS AND IS THEN ROUTED TO A MECHANICAL SEPERATION AND FILTRATION DEVICE WHICH TREATS THE RUNOFF PRIOR TO DRAINING TO THE PUBLIC STORM SEWER SYSTEM.

2. ALL STORMWATER MANAGEMENT FACILITIES SHALL BE DESIGNED IN ACCORDANCE WITH CHAPTER 12A AND THE STORMWATER MANAGEMENT AND WATER QUALITY MANUAL OF THE CITY OF COLUMBIA. SUCH FINAL DESIGN SHALL BE PROVIDED BY THE ENGINEER THAT PROVIDES THE FINAL SITE CONSTRUCTION PLANS.

LEGEND

WM EXISTING WATER METER

GP GUARD POST

FH EXISTING FIRE HYDRANT

/ ⋈ EXISTING WATER VALVE

HANDICAPPED PARKING

- HANDICAPPED PARKING SIGN

E EXISTING IRON PIPE

S SET-IRON

(R) REMOVE

(REC.) RECORD

M.H.. EXISTING SANITARY MANHOLE

CO S EXISTING SANITARY CLEANOUT

PROPOSED SANITARY MANHOLE

PROPOSED SANITARY CLEANOUT

C→□ LIGHT POLE

POWER POLE

PP POWER POLE

EXISTING TELEPHONE

EXISTING GUARDRAIL

EXISTING GAS

EXISTING OVER—HEAD ELECTRIC

EXISTING SANITARY

EXISTING WATER

EXISTING UNDERGROUND ELECTRIC EXISTING WATER

PROPOSED SANITARY

-T-----PROPOSED UNDERGROUND TELEPHONE

PROPOSED STORM SEWER

FLOWLINE (F.)

PROPOSED UNDERGROUND ELECTRIC

PROPOSED WATER

ROOF DRAIN

- X - - - EXISTING FENCE

PROPOSED FENCE

EXISTING CONTOUR

700 --- FLOWLINE (F.)

EXISTING TREELINE

CROSSCREEK CENTER C-P STORMWATER MANAGEMEN

STORMWATER MANAGEMENT/LANDSCAPING - LOT 104





A CIVIL GROUP

CIVIL ENGINEERING, PLANNING, SURVEYING

1123 WILKES BLVD., SUITE 450

COLUMBIA, MO 65201

PHONE: (573)817-5750, FAX: (573)817-1677

| _ | UNIE | DESCRIPTION | D. | JUB NU.: | | <u> </u> | | | |
|---|------|-------------|----|---------------|-------------|-----------|-------------|-------|-----------------|
| | DATE | DESCRIPTION | BY | JOB NO.: KEAI | KUO.U/ | SHEET | 9 | OF | 21 |
| | | | | VEA | R08.07 | | 0 | | 27 |
| | | | | ENGR: | PM: | DRAWING | NO.: ^L | ANUE |)-0/ |
| | | | | JAG | KPM | DRAWING I | VI | TAROS | 2_07 |
| | | | | | | | | | - |
| | | | | DRAWN BY: | JDC | DATE: | (| 06/20 | 6/08 |
| | | | L | l | | l | | _ | _ |

JUNE 26, 2008

PARKING DATA

BUILDING LOT 105: BANK

CINNAMON HILL LANE (R/W VARIES-66' MIN. & 38' C & G MIN.)

10' UTILITY EASEMENT

25' BUILDING LINE

4 BICYCLE —

PARKING SPACES

5' SIDEWALK

8 SPACES @ 9'

54,616 SF

PROPOSED BUILDING

BANK 5,525 SQ.FT. 45' MAX BLDG. HEIGHT

STACKING SPACE (TYP.) -

—DRIVE—THRU O-WINDOWS CANOPY

 $\Delta = 9.57.00$ " R = 958.11' L = 166.40' CH = 5.67.56.55"W 166.19'

 $CH = S 62^{\circ}56'35''E$

SPACES REQUIRED 5,000 SQ. FT. PLUS 1,500 SQ. FT. FUTURE EXPANSION @ 1 SP/300 SQ. FT.= 21.7 OR 22 SPACES (2 HANDICAP/1 VAN ACCESSIBLE & 4 BIKE SPACES INCLUDED IN ABOVE REQUIREMENTS). PLUS 3 STACKING SPACES FOR EACH WINDOW (4 WINDOWS 12 SPACES REQUIRED) 34 TOTAL SPACES REQUIRED

<u>SPACES PROVIDED</u> 29 PARKING SPACES (2 H.C. VAN ACCESS) 12 STACKING SPACES

4 BIKE SPACES 45 TOTAL SPACES PROVIDED

LOT 105 SHALL HAVE ONE FREE STANDING MONUMENT SIGN HAVING A MAXIMUM AREA OF 64 SQ.FT. AND A MAXIMUM HEIGHT OF 8 FEET. WALL MOUNTED AND DIRECTIONAL SIGNS SHALL BE DETERMINED AT A LATER DATE AND SHALL CONFORM TO THE CITY OF COLUMBIA'S SIGN ORDINANCE, CHAPTER 23, FOR C-3 ZONING.
REVISIONS TO SIGN LOCATION MAY BE APPROVED AS A MINOR REVISION.

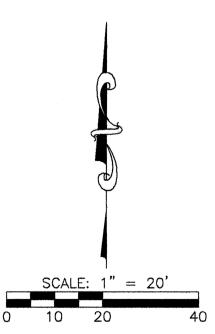
LIGHTING

CROSSWALK

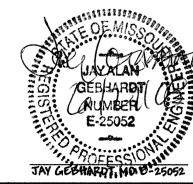
CROSSWALK

 $A = 100^{\circ}19'20''$ R = 103.00' L = 180.35' CH = S 12'48'45''W 158.18'

LIGHT POLES SHOWN SHALL BE SEMI—CUTOFF SHOEBOX FIXTURES, INWARD AND DOWNWARD DIRECTED, WHICH MAY BE RELOCATED OR CHANGED IN TOTAL NUMBER BY THE LIGHTING ENGINEER WITHOUT ADDITIONAL APPROVAL. BUILDING MOUNTED LIGHTING IS UNKNOWN AT THIS TIME. ALL OUTDOOR LIGHTING SHALL BE SHOWN ON A FUTURE ALL COTDOOR LIGHTING SHALL BE SHOWN ON A FOTORE LIGHTING PLAN THAT WILL COMPLY WITH CHAPTER 29—30.1 OF THE CITY OF COLUMBIA CODE OF ORDINANCES WITH THE EXCEPTION THAT THE MAXIMUM LIGHT POLE HEIGHT SHALL BE 20 FT.



CROSSCREEK CENTER C-P PLAN - LOT 105





CIVIL ENGINEERING, PLANNING, SURVEYING 1123 WILKES BLVD., SUITE 450 COLUMBIA, MO 65201 PHONE: (573)817-5750, FAX: (573)817-1677

06/26/08 DRAWING NO.: KEARO8-07

JUNE 26, 2008



WM EXISTING WATER METER

GP ← GUARD POST

FH EXISTING FIRE HYDRANT

WV EXISTING WATER VALVE

HANDICAPPED PARKING

■ HANDICAPPED PARKING SIGN

EXISTING IRON PIPE

S SET-IRON

(R) REMOVE

M.H.() EXISTING SANITARY MANHOLE

CO SANITARY CLEANOUT

PROPOSED SANITARY MANHOLE

PROPOSED SANITARY CLEANOUT

LIGHT POLE

PP O POWER POLE
GUY WIRE

EXISTING TELEPHONE

EXISTING GUARDRAIL

EXISTING GAS

EXISTING OVER—HEAD ELECTRIC

EXISTING SANITARY
EXISTING WATER

EXISTING UNDERGROUND ELECTRIC

EXISTING WATER

PROPOSED SANITARY

PROPOSED UNDERGROUND TELEPHONE

PROPOSED STORM SEWER

FLOWLINE (FE)

PROPOSED GAS

— U/E — PROPOSED UNDERGROUND ELECTRIC

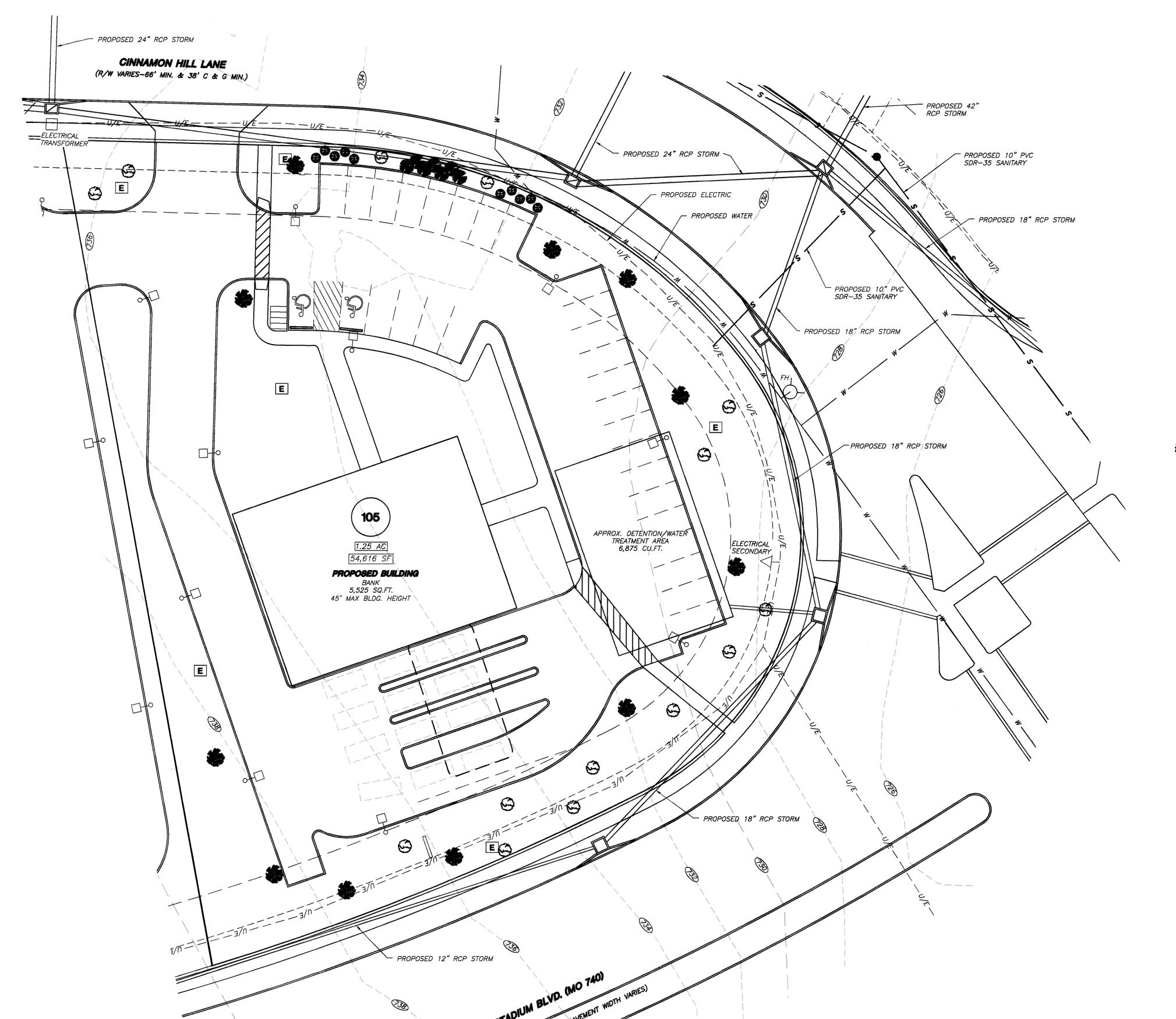
PROPOSED WATER

-X ---- EXISTING FENCE
-X ---- PROPOSED FENCE

[700] ---- EXISTING CONTOUR

700 ---- FLOWLINE (F.)

PRESERVED TREELINE



LANDSCAPING/TREE PRESERVATION NOTES

- 1. TOTAL AREA OF LOT= 1.25 AC. = 54,616 SQ.FT.

 TOTAL PAVED AREA= 23,585 SQ.FT. (43%)

 TOTAL BUILDING AREA= 5525 SQ.FT. (10%)

 TOTAL IMPERVIOUS AREA= 29,110 SQ.FT. (53%)

 TOTAL AREA OF LANDSCAPING= 25,506 SQ.FT. (47%)
- 2. ALL DISTURBED AREAS SHALL BE SEEDED & MULCHED AFTER CONSTRUCTION.
- 3. PAVED AREA = 23,026 SQ. FT. / 4,500 = 6 TREES REQUIRED.
- 4. STREET BUFFER = 103 LF OF PAVED AREA WITHIN 20' OF RIGHT-OF-WAY. 103 LF / 50' = 2 TREES 103 LF X 50% = 52 LF SCREENING
- 52 LF SCREENING / 3 LF PER SHRUB = 17 SHRUB/BUSHES ALL SHRUBS/BUSHES TO BE A MIN. 3' IN HEIGHT
- 5. 30% OF TOTAL TREES = 8 MED./LG. SHADE TREES. 25 TREES TOTAL SHOWN ON SITE.
- 6. LANDSCAPING MAY BE ENHANCED BY THE DEVELOPER AS TIME AND BUDGET ALLOWS.
- 7. ALL STREET PERIMETER LANDSCAPING, THE MEDIAN ISLAND LANDSCAPING, LOT 110
 AND LOT 112 LANDSCAPING AND ALL NATIVE GRASS RESTORATION AND REFORESTED
 AREAS SHALL BE DONE IN ACCORDANCE WITH THE ROST LANDSCAPING PLANS DATED

PLANT SCHEDULE

| SYMBOL | QUANTITY | PLANT SPECIES | |
|--------|----------|------------------------|----------|
| А | 10 | LARGE DECIDUOUS SHRUB | 5 GAL |
| В | 7 | EVERGREEN DECID. SHRUB | 5 GAL |
| С | 14 | ORNAMENTAL TREE | 2" |
| D | 11 | SHADE TREE (MED LG.) | 2" |
| E | 0.52 AC. | TURF GRASS | N/A |
| F | | ORNAMENTAL GRASS | 5' CLUMP |

TREE PRESERVATION NOTES

REFER TO THE OVERALL C-P PLAN (SHEET 1) FOR TREE PRESERVATION DETAILS. TREE PRESERVATION SHALL BE SHOWN ON INDIVIDUAL SITES IF PRESENT.

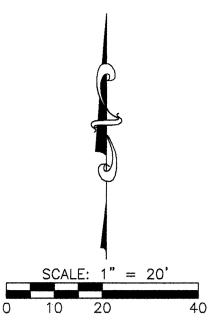
STORMWATER MANAGEMENT

1. IT IS THE INTENT OF THIS PLAN TO CAPTURE THE RUNOFF FROM THE IMPROVED SITE AND DETAIN THE PEAK RUNOFF TO PRE—DEVELOPMENT LEVELS FOR THE Q1, Q2, Q10 AND Q100 DESIGN STORMS. THE Q1 DESIGN STORM SHALL ALSO BE TREATED TO OBTAIN THE APPROPRIATE WATER QUALITY LEVEL OF SERVICE. ONE OF TWO FOLLOWING METHODS MAY BE USED TO ACHEIVE THESE GOALS:

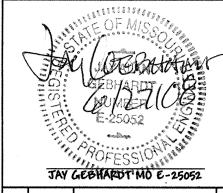
A. THE USE OF PERVIOUS/POROUS PAVEMENT IN PORTIONS OF THE PARKING LOT. THIS TYPE OF PAVEMENT REDUCES THE TOTAL IMPERVIOUS AREA OF THE SITE AND FUNCTIONS AS THE STORM WATER SYSTEM INLET. WITH THIS TYPE OF SYSTEM A GRANULAR STORAGE/FILTRAION BED IS PLACED UNDER THE PERVIOUS/POROUS PAVEMENT FOR DETENTION AND TO ALLOW FOR GROUND WATER RECHARGE. SMALLER DIAMETER PVC PIPES WITHIN THE GRANULAR BED ALLOW FOR EXCESS RETAINED WATER TO DRAIN TO THE PUBLIC STORM SEWER SYSTEM.

B. THE USE OF GUTTERS AND INLETS TO INTERCEPT AND DRAIN RUNOFF TO UNDERGROUND STORAGE TANKS/VAULTS. WITH THIS TYPE OF SYSTEM THE RUNOFF IS DETAINED IN THE STORAGE TANKS/VAULTS AND IS THEN ROUTED TO A MECHANICAL SEPERATION AND FILTRATION DEVICE WHICH TREATS THE RUNOFF PRIOR TO DRAINING TO THE PUBLIC STORM SEWER SYSTEM.

2. ALL STORMWATER MANAGEMENT FACILITIES SHALL BE DESIGNED IN ACCORDANCE WITH CHAPTER 12A AND THE STORMWATER MANAGEMENT AND WATER QUALITY MANUAL OF THE CITY OF COLUMBIA. SUCH FINAL DESIGN SHALL BE PROVIDED BY THE ENGINEER THAT PROVIDES THE FINAL SITE CONSTRUCTION PLANS.



CROSSCREEK CENTER C-P STORM AND LANDSCAPING PLAN - LOT 105





CIVIL ENGINEERING, PLANNING, SURVEYING
1123 WILKES BLVD., SUITE 450
COLUMBIA, MO 65201
PHONE: (573)817-5750, FAX: (573)817-1677

DRAWN BY: TAK
DATE: 06/26/08

ENGR: JAG PM: KPM DRAWING NO.: KEAR08-07

NO. DATE DESCRIPTION BY JOB NO.: KEAR08.07 SHEET 11 OF 27

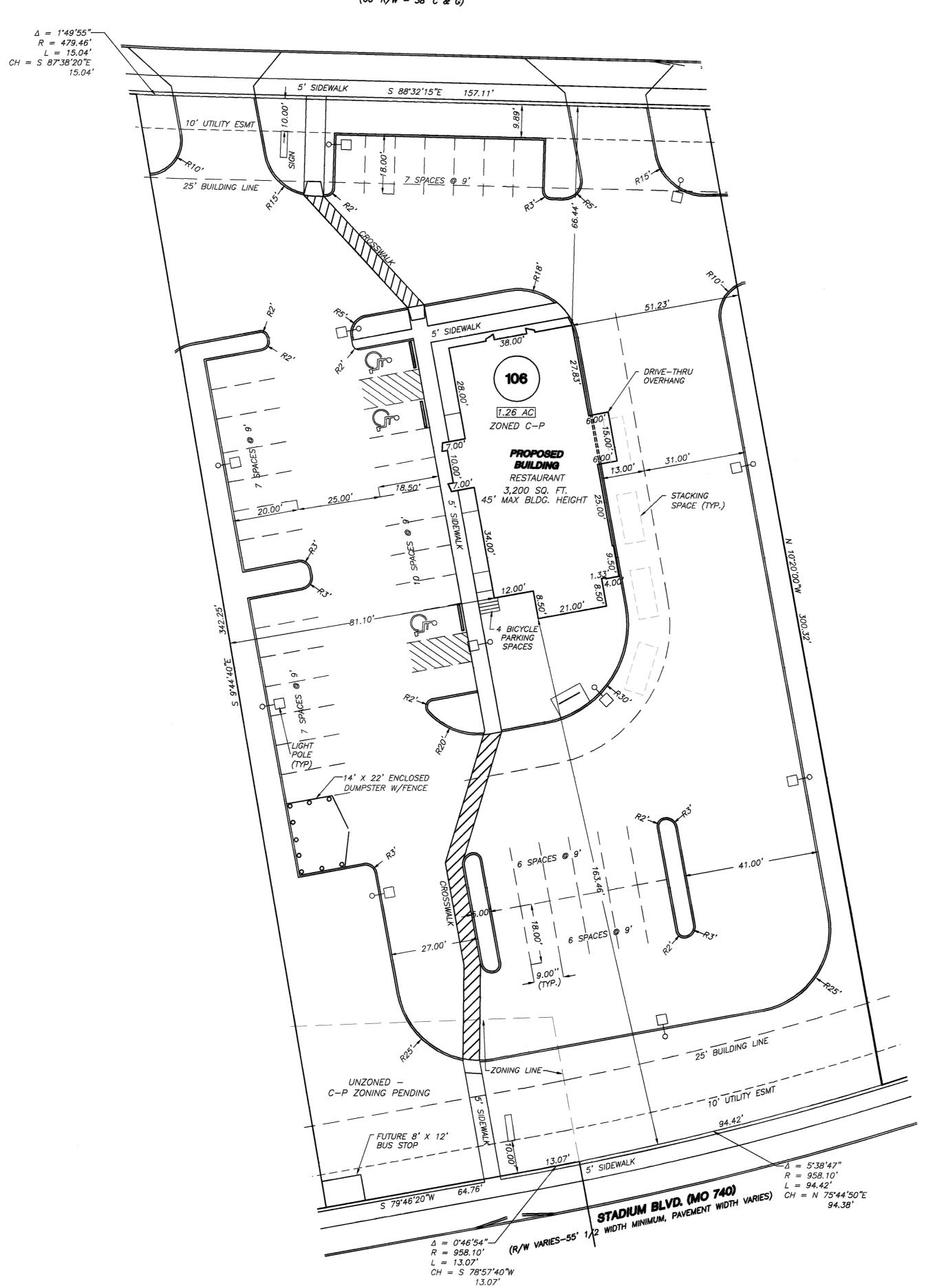
C-P DEVELOPMENT PLAN

CROSSCREEK CENTER C-P

JUNE 26, 2008

(66' R/W - 38' C & G)

CINNAMON HILL LANE



PARKING DATA

BUILDING LOT 106 RESTAURANT

SPACES REQUIRED

3,200 SQ. FT. @ 1 SP/100 SQ. FT. = 32 SPACES (INCLUDING 2 HANDICAP 1 W/VAN ACCESS AND 4 BICYCLE SPACES). 4 STACKING SPACES 36 TOTAL SPACES REQUIRED

SPACES PROVIDED

43 PARKING SPACES (3 H.C. VAN ACCESS)

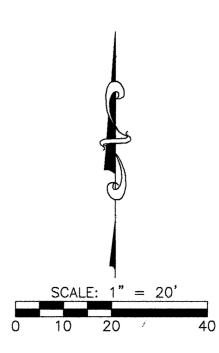
4 BICYCLE SPACES PROVIDED. 4 STACKING SPACES 51 TOTAL SPACES PROVIDED

SIGNAGE

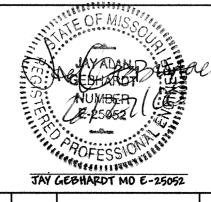
LOT 106 SHALL HAVE ONE FREE STANDING MONUMENT SIGN HAVING A MAXIMUM AREA OF 64 SQ.FT. AND A MAXIMUM HEIGHT OF 8 FEET. WALL MOUNTED AND DIRECTIONAL SIGNS SHALL BE DETERMINED AT A LATER DATE AND SHALL CONFORM TO THE CITY OF COLUMBIA'S SIGN ORDINANCE, CHAPTER 23, FOR C-3 ZONING.
REVISIONS TO SIGN LOCATION MAY BE APPROVED AS A MINOR REVISION.

<u>LIGHTING</u>

LIGHT POLES SHOWN SHALL BE SEMI—CUTOFF SHOEBOX FIXTURES, INWARD AND DOWNWARD DIRECTED, WHICH MAY BE RELOCATED OR CHANGED IN TOTAL NUMBER BY THE LIGHTING ENGINEER WITHOUT ADDITIONAL APPROVAL. BUILDING MOUNTED LIGHTING IS UNKNOWN AT THIS TIME. ALL OUTDOOR LIGHTING SHALL BE SHOWN ON A FUTURE LIGHTING PLAN THAT WILL COMPLY WITH CHAPTER 29-30.1 OF THE CITY OF COLUMBIA CODE OF ORDINANCES WITH THE EXCEPTION THAT THE MAXIMUM LIGHT POLE HEIGHT SHALL BE 20 FT.



SITE PLAN - CROSSCREEK CENTER CP - LOT 106





DRAWING NO.: KEARO8-07 BY JOB NO.: KEARO8-07

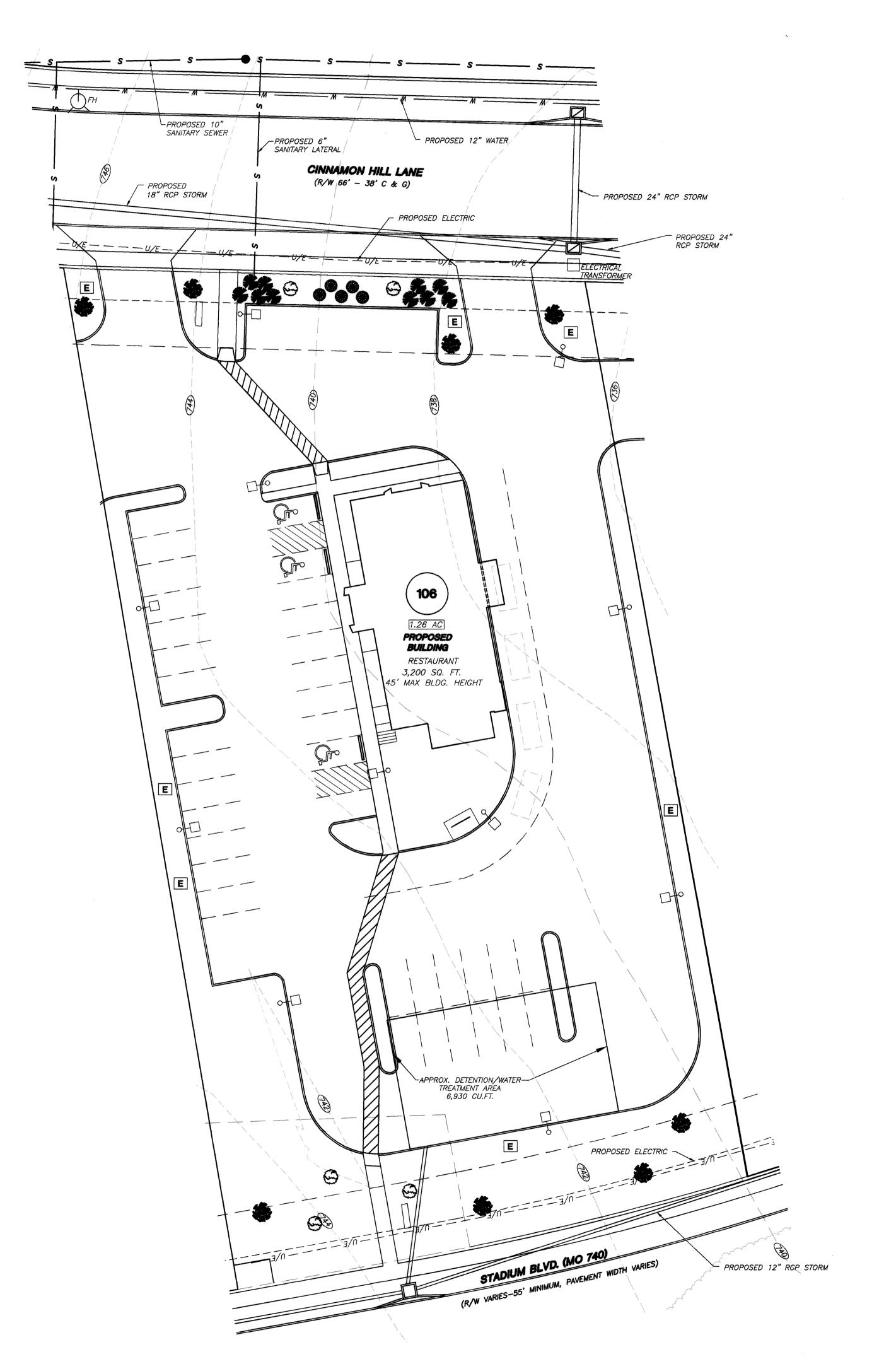
LEGEND WM EXISTING WATER METER GUARD POST EXISTING FIRE HYDRANT EXISTING WATER VALVE HANDICAPPED PARKING - HANDICAPPED PARKING SIGN E EXISTING IRON PIPE S SET-IRON (R) REMOVE (REC.) RECORD M.H. EXISTING SANITARY MANHOLE CO EXISTING SANITARY CLEANOUT PROPOSED SANITARY MANHOLE PROPOSED SANITARY CLEANOUT LIGHT POLE PP O POWER POLE GUY WIRE EXISTING TELEPHONE . O O O EXISTING GUARDRAIL EXISTING GAS EXISTING OVER-HEAD ELECTRIC EXISTING SANITARY EXISTING WATER EXISTING UNDERGROUND ELECTRIC EXISTING WATER PROPOSED SANITARY PROPOSED TELEPHNONE PROPOSED STORM SEWER FLOWLINE (FE) PROPOSED GAS PROPOSED UNDERGROUND ELECTRIC PROPOSED WATER ROOF DRAIN EXISTING FENCE

-X ---- PROPOSED FENCE

EXISTING TREELINE

700 EXISTING CONTOUR

700 ---- FLOWLINE (FE)



C-P DEVELOPMENT PLAN

CROSSCREEK CENTER C-P

JUNE 26, 2008

TREE PRESERVATION

TREE PRESERVATION IS SHOWN AS PER THE APPROVED TREE PRESERVATION PLAN DATED SEPTEMBER 14, 2007. THERE ARE NO TREES TO BE PRESERVED ON THIS LOT.

LANDSCAPING/TREE PRESERVATION NOTES

- 1. TOTAL AREA OF LOT= 1.26 AC. = 54,885 SQ.FT.

 TOTAL PAVED AREA= 39,938 SQ.FT. (73%)

 TOTAL FUTURE BUILDING AREA= 3,200 SQ.FT. (6%)

 TOTAL IMPERVIOUS AREA= 43,138 SQ.FT. (79%)

 TOTAL AREA OF LANDSCAPING= 11,747 SQ.FT. (21%)
- 2. ALL DISTURBED AREAS SHALL BE SEEDED & MULCHED AFTER CONSTRUCTION.
- 3. PAVED AREA = 39,938 SQ. FT. / 4,500 = 9 TOTAL TREES REQUIRED.
 17 TOTAL TREES PROVIDED.
- 4. STREET BUFFER = 65 LF OF PAVED AREA WITHIN 20' OF RIGHT-OF-WAY.
 65 LF / 50' = 1.3 OR 2 TREES
 65 LF X 50% = 32.5 LF SCREENING
 32.5 LF SCREENING / 3 LF PER SHRUB = 11 SHRUB/BUSHES
 ALL SHRUBS/BUSHES TO BE A MIN. 3' IN HEIGHT
- 5. 30% OF TOTAL TREES = 3 MED./LG. SHADE TREES. 10 SHADE TREES SHOWN ON SITE.
- 6. LANDSCAPING MAY BE ENHANCED BY THE DEVELOPER AS TIME AND BUDGET ALLOWS.

PLANT SCHEDULE

| SYMBOL | QUANTITY | PLANT SPECIES | |
|--------|----------|-------------------------|----------|
| Α | 0 | LARGE DECIDUOUS SHRUB | 5 GAL |
| В | 10 | EVERGREEN SHRUB | 5 GAL |
| С | 7 | ORNAMENTAL TREE | 2" |
| D | 10 | SHADE TREE (MED. – LG.) | 2" |
| E | 0.28 AC. | TURF GRASS | N/A |
| F | 5 | ORNAMENTAL GRASS | 5' CLUMP |

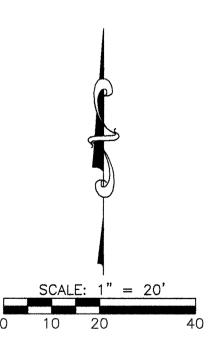
STORMWATER MANAGEMENT

1. IT IS THE INTENT OF THIS PLAN TO CAPTURE THE RUNOFF FROM THE IMPROVED SITE AND DETAIN THE PEAK RUNOFF TO PRE—DEVELOPMENT LEVELS FOR THE Q1, Q2, Q10 AND Q100 DESIGN STORMS. THE Q1 DESIGN STORM SHALL ALSO BE TREATED TO OBTAIN THE APPROPRIATE WATER QUALITY LEVEL OF SERVICE. ONE OF TWO FOLLOWING METHODS MAY BE USED TO ACHEIVE THESE GOALS:

A. THE USE OF PERVIOUS/POROUS PAVEMENT IN PORTIONS OF THE PARKING LOT. THIS TYPE OF PAVEMENT REDUCES THE TOTAL IMPERVIOUS AREA OF THE SITE AND FUNCTIONS AS THE STORM WATER SYSTEM INLET. WITH THIS TYPE OF SYSTEM A GRANULAR STORAGE/FILTRAION BED IS PLACED UNDER THE PERVIOUS/POROUS PAVEMENT FOR DETENTION AND TO ALLOW FOR GROUND WATER RECHARGE. SMALLER DIAMETER PVC PIPES WITHIN THE GRANULAR BED ALLOW FOR EXCESS RETAINED WATER TO DRAIN TO THE PUBLIC STORM SEWER SYSTEM.

B. THE USE OF GUTTERS AND INLETS TO INTERCEPT AND DRAIN RUNOFF TO UNDERGROUND STORAGE TANKS/VAULTS. WITH THIS TYPE OF SYSTEM THE RUNOFF IS DETAINED IN THE STORAGE TANKS/VAULTS AND IS THEN ROUTED TO A MECHANICAL SEPERATION AND FILTRATION DEVICE WHICH TREATS THE RUNOFF PRIOR TO DRAINING TO THE PUBLIC STORM SEWER SYSTEM.

2. ALL STORMWATER MANAGEMENT FACILITIES SHALL BE DESIGNED IN ACCORDANCE WITH CHAPTER 12A AND THE STORMWATER MANAGEMENT AND WATER QUALITY MANUAL OF THE CITY OF COLUMBIA. SUCH FINAL DESIGN SHALL BE PROVIDED BY THE ENGINEER THAT PROVIDES THE FINAL SITE CONSTRUCTION PLANS.



CROSSCREEK CENTER C-P STORM AND LANDSCAPING PLAN - LOT 106





| | 77.7 | ACC 111 (-2 1 1:10 -2 -2)07= | | , ,,,,,,, | 0. (717)011 7170 | 7, 1144 (XI | 7/011 1011 | |
|-----|------|------------------------------|----|---------------|------------------|-------------|-------------|--------------|
| | | | | DRAWN BY: | TAK | DATE: | 06/2 | 6/08 |
| | | | | ENGR: JAG | PM: KPM | DRAWING | NO.: KEAROS | 3- <i>07</i> |
| 10. | DATE | DESCRIPTION | BY | JOB NO.: KEAR | 208-07 | SHEET | 13 of | 27 |

JUNE 26, 2008

PARKING DATA

R = 479.46'L = 500.14

UNZONED -C-P ZONING PENDING

ZONING LINE ---

CH = N 56.51.25"W

477.77'

CINNAMON HILL LANE

(R/W VARIES-66' MIN. & 38' C & G MIN.)

ZONED C-P

0.99 AC.

BUILDING RESTAURANT 3,900 SQ. FT.

45' MAX BLDG. HEIGHT

5' SIDEWALK

DUMPSTER W/FENCE

– STACKING SPACE (TYP.

– EXISTING LOT LINE

BUILDINGS LOT 107 RESTAURANT

43 TOTAL SPACES REQUIRED

SPACES REQUIRED

3900 SQ. FT @ 1 SP/100 SQ. FT. = 39 SPACES. (2 HANDICAP

W/VAN ACCESS PLUS 4 BIKE SPACES INCLUDED IN ABOVE TOTAL)

4 STACKS SPACES @ BINDOW

SPACES PROVIDED

35 PARKING SPACES (2 H.C. VAN ACCESS)

4 STACKING SPACES @ WINDOW

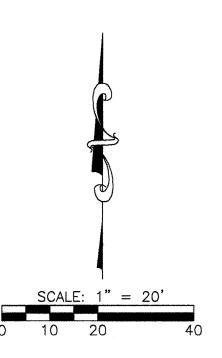
4 BICYCLE SPACES PROVIDED

43 TOTAL SPACES PROVIDED

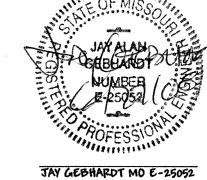
LOT 107 SHALL HAVE ONE FREE STANDING MONUMENT SIGN HAVING A MAXIMUM AREA OF 64 SQ.FT. AND A MAXIMUM HEIGHT OF 8 FEET. WALL MOUNTED AND DIRECTIONAL SIGNS SHALL BE DETERMINED AT A LATER DATE AND SHALL CONFORM TO THE CITY OF COLUMBIA'S SIGN ORDINANCE, CHAPTER 23, FOR C-3 ZONING.
REVISIONS TO SIGN LOCATION MAY BE APPROVED AS A MINOR REVISION.

<u>LIGHTING</u>

LIGHT POLES SHOWN SHALL BE SEMI—CUTOFF SHOEBOX FIXTURES, INWARD AND DOWNWARD DIRECTED, WHICH MAY BE RELOCATED OR CHANGED IN TOTAL NUMBER BY THE LIGHTING ENGINEER WITHOUT ADDITIONAL APPROVAL. BUILDING MOUNTED LIGHTING IS UNKNOWN AT THIS TIME. ALL OUTDOOR LIGHTING SHALL BE SHOWN ON A FUTURE LIGHTING PLAN THAT WILL COMPLY WITH CHAPTER 29-30.1
OF THE CITY OF COLUMBIA CODE OF ORDINANCES WITH
THE EXCEPTION THAT THE MAXIMUM LIGHT POLE HEIGHT



CROSSCREEK CENTER C-P PLAN - LOT 107





CIVIL ENGINEERING, PLANNING, SURVEYING 1123 WILKES BLVD., SUITE 450 COLUMBIA, MO 65201 PHONE: (573)817-5750, FAX: (573)817-1677

06/26/08

JUNE 26, 2008

LEGEND

WM EXISTING WATER METER GP GUARD POST

EXISTING FIRE HYDRANT

EXISTING WATER VALVE

HANDICAPPED PARKING

HANDICAPPED PARKING SIGN

EXISTING IRON PIPE

S SET-IRON

(R) REMOVE

(REC.) RECORD

EXISTING SANITARY CLEANOUT

PROPOSED SANITARY MANHOLE

PROPOSED SANITARY CLEANOUT

LIGHT POLE PP O POWER POLE

O O EXISTING GUARDRAIL EXISTING GAS EXISTING OVER-HEAD ELECTRIC ______S____EXISTING SANITARY W EXISTING WATER

EXISTING TELEPHONE

EXISTING UNDERGROUND ELECTRIC

EXISTING WATER PROPOSED SANITARY PROPOSED UNDERGROUND TELEPHONE PROPOSED STORM SEWER

— G — PROPOSED GAS

-X ---- PROPOSED FENCE

PROPOSED WATER

ZOO EXISTING CONTOUR 700 ---- FLOWLINE (F.) EXISTING TREELINE

CINNAMON HILL LANE (R/W VARIES-66' MIN. & 38' C & G MIN.) - PROPOSED 18" RCP STORM 88888 EXISTING OHE TO BE REMOVED AND RELOCATED. COVERED BY BLANKET EASEMENT TO BE VACATED ZONING LINE

107

0.99 AC.

PROPOSED BUILDING

15' MAX BLDG. HEIGHT

APPROX. DETENTION/WATER 5,500 SQ.FT.

PROPOSED 12" RCP STORM

(R/W VARIES-55' MINIMUM, PAVEMENT WIDTH VARIES)

PROPOSED 12" RCP STORM

LANDSCAPING/TREE PRESERVATION NOTES

- 1. TOTAL AREA OF LOT= 0.99 AC. = 43,090 SQ.FT. TOTAL PAVED AREA= 30,389 SQ.FT. (71%) TOTAL FUTURE BUILDING AREA = 3,900 SQ.FT. (9%) TOTAL IMPERVIOUS AREA = 34,289 SQ.FT. (80%) TOTAL AREA OF LANDSCAPING= 8,801 SQ.FT. (20%)
- 2. ALL DISTURBED AREAS SHALL BE SEEDED & MULCHED AFTER CONSTRUCTION.
- 3. PAVED AREA = 30,389 SQ. FT. / 4,500 = 7 TREES REQUIRED.
- 4. STREET BUFFER = 125 LF OF PAVED AREA WITHIN 20' OF RIGHT-OF-WAY. 125 LF / 50' = 3 TREES 125 LF X 50% = 63 LF SCREENING 63 LF SCREENING / 3 LF PER SHRUB = 21 SHRUB/BUSHES ALL SHRUBS/BUSHES TO BE A MIN. 3' IN HEIGHT
- 5. 30% OF TOTAL TREES = 4 MED./LG. SHADE TREES. 13 TREES TOTAL SHOWN ON SITE.
- 6. LANDSCAPING MAY BE ENHANCED BY THE DEVELOPER AS TIME AND BUDGET ALLOWS.
- 7. ALL STREET PERIMETER LANDSCAPING, THE MEDIAN ISLAND LANDSCAPING, LOT 110 AND LOT 112 LANDSCAPING AND ALL NATIVE GRASS RESTORATION AND REFORESTED AREAS SHALL BE DONE IN ACCORDANCE WITH THE ROST LANDSCAPING PLANS DATED

PLANT SCHEDULE

| SYMBOL | QUANTITY | PLANT SPECIES | |
|--------|----------|------------------------|----------|
| Α | 16 | LARGE DECIDUOUS SHRUB | 5 GAL |
| В | 9 | EVERGREEN DECID. SHRUB | 5 GAL |
| С | 9 | ORNAMENTAL TREE | 2" |
| D | 4 | SHADE TREE (MED LG.) | 2" |
| E | 0.14 AC. | TURF GRASS | N/A |
| F | 7 | ORNAMENTAL GRASS | 5' CLUMP |

TREE PRESERVATION NOTES

REFER TO THE OVERALL C-P PLAN (SHEET 1) FOR TREE PRESERVATION DETAILS. TREE PRESERVATION SHALL BE SHOWN ON INDIVIDUAL SITES IF PRESENT.

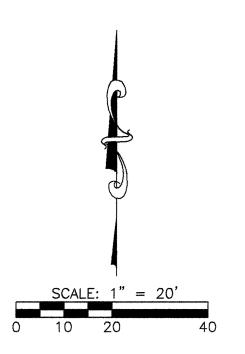
STORMWATER MANAGEMENT

IT IS THE INTENT OF THIS PLAN TO CAPTURE THE RUNOFF FROM THE IMPROVED SITE AND DETAIN THE PEAK RUNOFF TO PRE-DEVELOPMENT LEVELS FOR THE Q1, Q2, Q10 AND Q100 DESIGN STORMS. THE Q1 DESIGN STORM SHALL ALSO BE TREATED TO OBTAIN THE APPROPRIATE WATER QUALITY LEVEL OF SERVICE. ONE OF TWO FOLLOWING METHODS MAY BE USED TO ACHEIVE THESE GOALS:

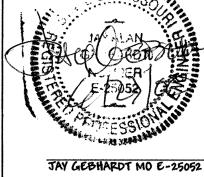
A. THE USE OF PERVIOUS/POROUS PAVEMENT IN PORTIONS OF THE PARKING LOT. THIS TYPE OF PAVEMENT REDUCES THE TOTAL IMPERVIOUS AREA OF THE SITE AND FUNCTIONS AS THE STORM WATER SYSTEM INLET. WITH THIS TYPE OF SYSTEM A GRANULAR STORAGE/FILTRAION BED IS PLACED UNDER THE PERVIOUS/POROUS PAVEMENT FOR DETENTION AND TO ALLOW FOR GROUND WATER RECHARGE. SMALLER DIAMETER PVC PIPES WITHIN THE GRANULAR BED ALLOW FOR EXCESS RETAINED WATER TO DRAIN TO THE PUBLIC STORM SEWER SYSTEM.

B. THE USE OF GUTTERS AND INLETS TO INTERCEPT AND DRAIN RUNOFF TO UNDERGROUND STORAGE TANKS/VAULTS. WITH THIS TYPE OF SYSTEM THE RUNOFF IS DETAINED IN THE STORAGE TANKS/VAULTS AND IS THEN ROUTED TO A MECHANICAL SEPERATION AND FILTRATION DEVICE WHICH TREATS THE RUNOFF PRIOR TO DRAINING TO THE PUBLIC STORM SEWER SYSTEM.

2. ALL STORMWATER MANAGEMENT FACILITIES SHALL BE DESIGNED IN ACCORDANCE WITH CHAPTER 12A AND THE STORMWATER MANAGEMENT AND WATER QUALITY MANUAL OF THE CITY OF COLUMBIA. SUCH FINAL DESIGN SHALL BE PROVIDED BY THE ENGINEER THAT PROVIDES THE FINAL SITE CONSTRUCTION PLANS.



CROSSCREEK CENTER C-P STORM AND LANDSCAPING PLAN - LOT 107



A CIVIL GROUP CIVIL ENGINEERING, PLANNING, SURVEYING 1123 WILKES BLVD., SUITE 450 COLUMBIA, MO 65201 PHONE: (573)817-5750, FAX: (573)817-1677

06/26/08 DRAWING NO.: KEARO8-0 SHEET 15 OF 27



JUNE 26, 2008

PARKING DATA

ZONED C-P

8 BICYCLE _____ PARKING SPACES

ZONING LINE ---

 $\Delta = 59^{\circ}46'00"$

L = 500.14'CH = S 56'51'25''W

R = 479.46'

BUILDINGS LOT 108 RESTAURANT

SPACES REQUIRED

7,500 SQ. FT @ 1 SP/100 SQ. FT. = 75 SPACES. (3 HANDICAP,

1 W/VAN ACCESS PLUS 8 BIKE SPACES INCLUDED IN ABOVE TOTAL)

75 TOTAL SPACES REQUIRED

SPACES PROVIDED 91 PARKING SPACES (4 H.C. VAN ACCESS) 8 BICYCLE SPACES PROVIDED 99 TOTAL SPACES PROVIDED

SIGNAG

23 12' X 14' ENCLOSED

DUMPSTER W/FENCE

108

PROPOSED BUILDING RESTAURANT

7,500 SQ. FT.

45' MAX BLDG. HEIGHT

LOT 108 SHALL HAVE ONE FREE STANDING MONUMENT SIGN HAVING A MAXIMUM AREA OF 64 SQ.FT. AND A MAXIMUM HEIGHT OF 8 FEET. WALL MOUNTED AND DIRECTIONAL SIGNS SHALL BE DETERMINED AT A LATER DATE AND SHALL CONFORM TO THE CITY OF COLUMBIA'S SIGN ORDINANCE, CHAPTER 23, FOR C-3 ZONING. REVISIONS TO SIGN LOCATION MAY BE APPROVED AS A MINOR REVISION.

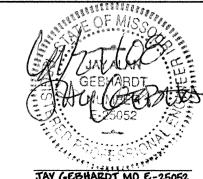
<u>LIGHTING</u>

LIGHT POLES SHOWN SHALL BE SEMI—CUTOFF SHOEBOX FIXTURES, INWARD AND DOWNWARD DIRECTED, WHICH MAY BE RELOCATED OR CHANGED IN TOTAL NUMBER BY THE LIGHTING ENGINEER WITHOUT ADDITIONAL APPROVAL. BUILDING MOUNTED LIGHTING IS UNKNOWN AT THIS TIME. ALL OUTDOOR LIGHTING SHALL BE SHOWN ON A FUTURE LIGHTING PLAN THAT WILL COMPLY WITH CHAPTER 29—30.1 OF THE CITY OF COLUMBIA CODE OF ORDINANCES WITH THE EXCEPTION THAT THE MAXIMUM LIGHT POLE HEIGHT SHALL BE 20 FT.





CROSSCREEK CENTER C-P PLAN - LOT 108

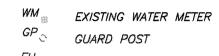




TAY GEBHARDT MO E-25052 PHONE: (573)817-5750, FAX: (573)817-1671

| | | | | DRAWN | BY: | IAK | | DATE: | 0 | 6/20 | 5/08 | |
|-----|------|-----------|-----|-------|------|--------------|-----|---------|---------|--------|------|---|
| | | | | | JAG | | KPM | DRAWING | KF | AROS | 3O7 | |
| | | | | ENGR: | WFA | PM: | | | NO.: NL | 7///00 | 07 | |
| 440 | 2040 | ACAAAMWAL | - N | | KEAI | <i>R08.0</i> | | SHEET | 10 | OF | 2/ | Ĺ |

JUNE 26, 2008



LEGEND

FH S EXISTING FIRE HYDRANT

EXISTING WATER VALVE
HANDICAPPED PARKING

+ HANDICAPPED PARKING SIGN

EXISTING IRON PIPE

S SET-IRON
(R) REMOVE

(REC.) RECORD

M.H. EXISTING SANITARY MANHOLE

CO EXISTING SANITARY CLEANOUT

PROPOSED SANITARY MANHOLE
 PROPOSED SANITARY CLEANOUT

LP ←□ LIGHT POLE

PP ○ POWER POLE

EXISTING TELEPHONE

EXISTING GUARDRAIL

EXISTING GAS

EXISTING OVER—HEAD ELECTRIC

EXISTING SANITARY

EXISTING WATER

U/E

EXISTING UNDERGROUND ELECTRIC

PROPOSED SANITARY

PROPOSED UNDERGROUND TELEPHONE

PROPOSED STORM SEWER

FLOWLINE (F)

FROPOSED GAS

PROPOSED UNDERGROUND ELECTRIC

PROPOSED WATER

700 EXISTING CONTOUR

700 FLOWLINE (F.)

FXISTING TREFLINE

EXISTING TREELINE

PRESERVED TREELINE

LANDSCAPING/TREE PRESERVATION NOTES

ZONING LINE ----

EXISTING OHE TO BE REMOVED . AND RELOCATED. COVERED BY

PROPOSED ELECTRIC

ELECTRIC TRANSFORMER -

BLANKET EASEMENT TO BE VACATED

PROPOSED SANITARY

- 1. TOTAL AREA OF LOT= 2.19 AC. = 95,565 SQ.FT.

 TOTAL PAVED AREA= 61,735 SQ.FT. (65%)

 TOTAL FUTURE BUILDING AREA= 7,500 SQ.FT. (8%)

 TOTAL IMPERVIOUS AREA= 69,235 SQ.FT. (72%)

 TOTAL AREA OF LANDSCAPING= 26,330 SQ.FT. (28%)
- 2. ALL DISTURBED AREAS SHALL BE SEEDED & MULCHED AFTER CONSTRUCTION.
- 3. PAVED AREA = 61,735 SQ. FT. / 4,500 = 14 TREES REQUIRED.
- 4. STREET BUFFER = 535 LF OF PAVED AREA WITHIN 20' OF RIGHT-OF-WAY.
 535 LF / 50' = 10.7 OR 11 TREES
 535 LF X 50% = 267.5 LF SCREENING
 267.5 LF SCREENING / 3 LF PER SHRUB = 90 SHRUB/BUSHES
 ALL SHRUBS/BUSHES TO BE A MIN. 3' IN HEIGHT
- 5. 30% OF TOTAL TREES = 11 MED./LG. SHADE TREES. 34 TREES TOTAL SHOWN ON SITE.
- 6. LANDSCAPING MAY BE ENHANCED BY THE DEVELOPER AS TIME AND BUDGET ALLOWS.
- 7. ALL STREET PERIMETER LANDSCAPING, THE MEDIAN ISLAND LANDSCAPING, LOT 110
 AND LOT 112 LANDSCAPING AND ALL NATIVE GRASS RESTORATION AND REFORESTED
 AREAS SHALL BE DONE IN ACCORDANCE WITH THE ROST LANDSCAPING PLANS DATED
 MAY 20, 2008.

PLANT SCHEDULE

| | SYMBOL | QUANTITY | PLANT SPECIES | |
|----------|--------|----------|------------------------|----------|
| 3 | А | 43 | LARGE DECIDUOUS SHRUB | 5 GAL |
| | В | 28 | EVERGREEN DECID. SHRUB | 5 GAL |
| | C | 14 | ORNAMENTAL TREE | 2" |
| | D | 20 | SHADE TREE (MED LG.) | 2" |
| | Ε | 0.69 AC. | TURF GRASS | N/A |
| | F | 19 | ORNAMENTAL GRASS | 5' CLUMP |

TREE PRESERVATION NOTES

REFER TO THE OVERALL C—P PLAN (SHEET 1) FOR TREE PRESERVATION DETAILS. TREE PRESERVATION SHALL BE SHOWN ON INDIVIDUAL SITES IF PRESENT.

STORMWATER MANAGEMENT

PROPOSED

BUILDING

RESTAURANT

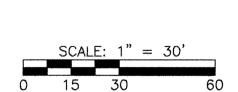
7,500 SQ. FT. 45' MAX BLDG. HEIGHT

1. IT IS THE INTENT OF THIS PLAN TO CAPTURE THE RUNOFF FROM THE IMPROVED SITE AND DETAIN THE PEAK RUNOFF TO PRE—DEVELOPMENT LEVELS FOR THE Q1, Q2, Q10 AND Q100 DESIGN STORMS. THE Q1 DESIGN STORM SHALL ALSO BE TREATED TO OBTAIN THE APPROPRIATE WATER QUALITY LEVEL OF SERVICE. ONE OF TWO FOLLOWING METHODS MAY BE USED TO ACHEIVE THESE GOALS:

A. THE USE OF PERVIOUS/POROUS PAVEMENT IN PORTIONS OF THE PARKING LOT. THIS TYPE OF PAVEMENT REDUCES THE TOTAL IMPERVIOUS AREA OF THE SITE AND FUNCTIONS AS THE STORM WATER SYSTEM INLET. WITH THIS TYPE OF SYSTEM A GRANULAR STORAGE/FILTRAION BED IS PLACED UNDER THE PERVIOUS/POROUS PAVEMENT FOR DETENTION AND TO ALLOW FOR GROUND WATER RECHARGE. SMALLER DIAMETER PVC PIPES WITHIN THE GRANULAR BED ALLOW FOR EXCESS RETAINED WATER TO DRAIN TO THE PUBLIC STORM SEWER SYSTEM.

B. THE USE OF GUTTERS AND INLETS TO INTERCEPT AND DRAIN RUNOFF TO UNDERGROUND STORAGE TANKS/VAULTS. WITH THIS TYPE OF SYSTEM THE RUNOFF IS DETAINED IN THE STORAGE TANKS/VAULTS AND IS THEN ROUTED TO A MECHANICAL SEPERATION AND FILTRATION DEVICE WHICH TREATS THE RUNOFF PRIOR TO DRAINING TO THE PUBLIC STORM SEWER SYSTEM.

2. ALL STORMWATER MANAGEMENT FACILITIES SHALL BE DESIGNED IN ACCORDANCE WITH CHAPTER 12A AND THE STORMWATER MANAGEMENT AND WATER QUALITY MANUAL OF THE CITY OF COLUMBIA. SUCH FINAL DESIGN SHALL BE PROVIDED BY THE ENGINEER THAT PROVIDES THE FINAL SITE CONSTRUCTION PLANS.



EXISTING STORM SEWER

(REPLACING WITH STADIUM BOULEVARD EXTENSION)

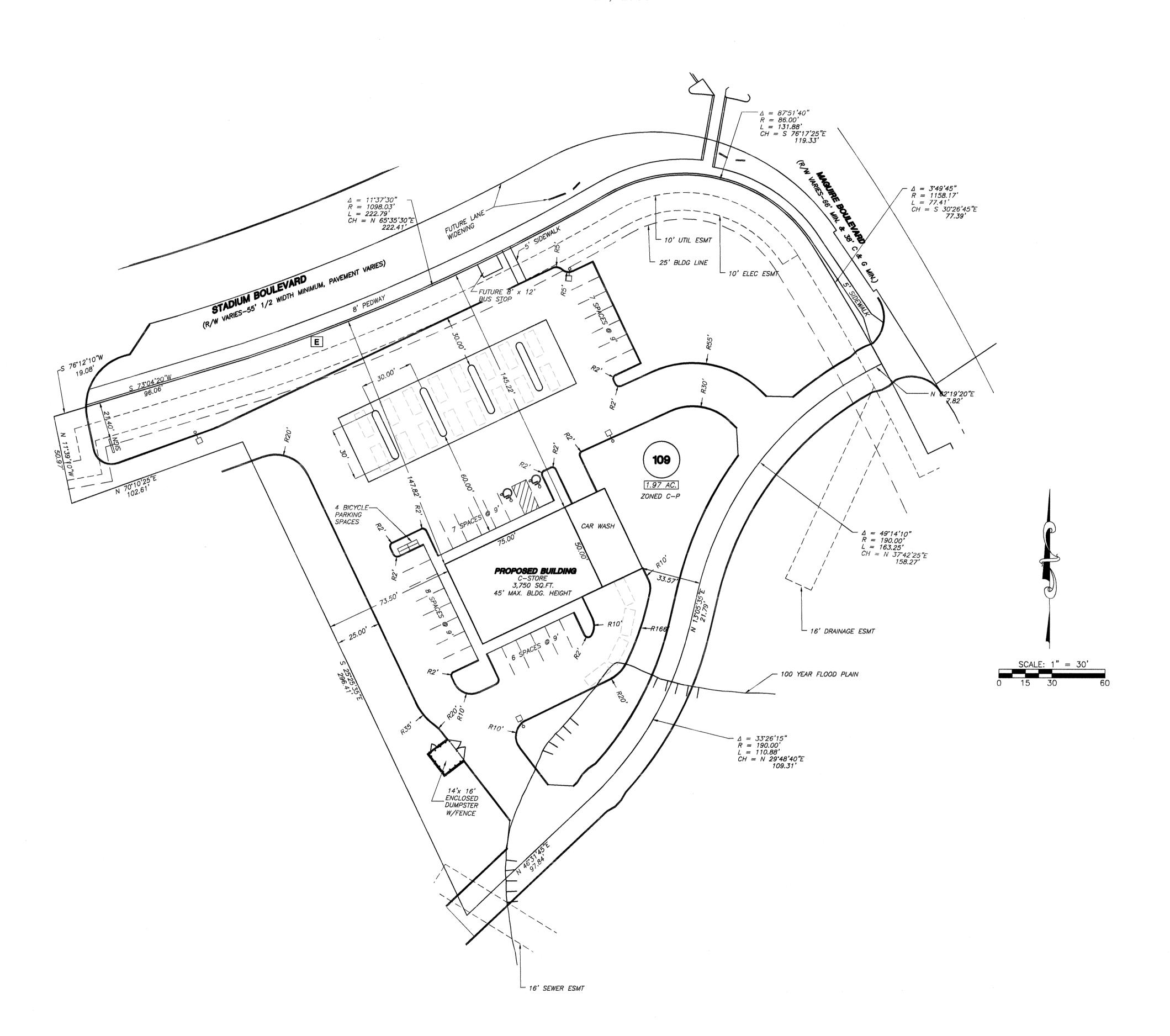
CROSSCREEK CENTER C-P STORM AND LANDSCAPING PLAN - LOT 108





| | 400 | 300117401 MO 0"23032 | | | riioido. (5) | 27011-2120 | , rrv. (3) | 7/011-14 | | · |
|----|------|----------------------|----|-----------|--------------|------------|------------|----------|-----|------|
| | | | | DRAWN BY: | TAK | | DATE: | 0 | 6/2 | 6/08 |
| | | | | ENGR: JAC | G PM: | KPM | DRAWING | no.: KE | ARO | 3-07 |
| 0. | DATE | DESCRIPTION | BY | JOB NO.: | KEARO8. | 07 | SHEET | 17 | or | 27 |

JUNE 26, 2008



PARKING DATA

BUILDING LOT 109 CONVENIENCE STORE

SPACES REQUIRED

3,750 SQ. FT. © 1 SP/200 SQ. FT. = 19 SPACES
(2 HANDICAP 1 W\VAN ACCESS & 4 BIKE SPACES

ABOVE TOTAL REQUIREMENTS). 19 TOTAL SPACES REQUIRED

- SPACES PROVIDED

 26 REGULAR SPACES

 2 HANDICAP W/VAN ACCESS.

 4 BIKE SPACES

 16 SPACES @ GAS PUMPS

 48 TOTAL SPACES PROVIDED

LOT 109 SHALL HAVE ONE FREE STANDING MONUMENT SIGN HAVING A MAXIMUM AREA OF 64 SQ.FT. AND A MAXIMUM HEIGHT OF 8 FEET. WALL MOUNTED AND DIRECTIONAL SIGNS SHALL BE DETERMINED AT A LATER DIRECTIONAL SIGNS SMALL BE DETERMINED AT A LATER DATE AND SHALL CONFORM TO THE CITY OF COLUMBIA'S SIGN ORDINANCE, CHAPTER 23, FOR C—3 ZONING. REVISIONS TO SIGN LOCATION MAY BE APPROVED AS A MINOR REVISION.

LIGHT POLES SHOWN SHALL BE SEMI—CUTOFF SHOEBOX FIXTURES, INWARD AND DOWNWARD DIRECTED, WHICH MAY BE RELOCATED OR CHANGED IN TOTAL NUMBER BY THE LIGHTING ENGINEER WITHOUT ADDITIONAL APPROVAL. BUILDING MOUNTED LIGHTING IS UNKNOWN AT THIS TIME. BUILDING MOUNTED LIGHTING IS UNKNOWN AT THIS TIME.
ALL OUTDOOR LIGHTING SHALL BE SHOWN ON A FUTURE
LIGHTING PLAN THAT WILL COMPLY WITH CHAPTER 29-30.1
OF THE CITY OF COLUMBIA CODE OF ORDINANCES WITH
THE EXCEPTION THAT THE MAXIMUM LIGHT POLE HEIGHT
SHALL BE 20 FT.

SITE PLAN - CROSSCREEK CENTER CP - LOT 109





1123 WILKES BLVD., SUITE 450 COLUMBIA, MO 65201 PHONE: (573)817-5750, FAX: (573)817-1477

06/26/08 WING NO.: KEARO8-07

JUNE 26, 2008

PROPOSED ELECTRIC

APPROX. DETENTION/WATER
TREATMENT AREA

EXISTING UTILITIES

FROM THE NORTH AS SHOWN.

NORTH AS SHOWN.

SANITARY SEWER: EXISTING AND PROPOSED SANITARY SEWER

WATER: PROPOSED WATER MAIN TO BE EXTENDED FROM THE

ELECTRIC: PROPOSED ELECTRIC SERVICE TO BE EXTENDED

11,165 CU.FT.

PROPOSED 12" WATER

EXISTING WATER METER

GUARD POST

EXISTING FIRE HYDRANT

EXISTING WATER VALVE

HANDICAPPED PARKING SIGN

HANDICAPPED PARKING

O EXISTING IRON PIPE

SET-IRON (R) REMOVE

(REC.) RECORD

M.H. EXISTING SANITARY MANHOLE

EXISTING SANITARY CLEANOUT

PROPOSED SANITARY MANHOLE

PROPOSED SANITARY CLEANOUT

LIGHT POLE POWER POLE

GÜY WIRE

EXISTING TELEPHONE

. O O EXISTING GUARDRAIL

EXISTING OVER-HEAD ELECTRIC

_____ S_____ EXISTING SANITARY

EXISTING WATER -----U/E -----

EXISTING UNDERGROUND ELECTRIC

EXISTING WATER

PROPOSED UNDERGROUND TELEPHONE

PROPOSED STORM SEWER

— U/E ———— PROPOSED UNDERGROUND ELECTRIC

- X -- EXISTING FENCE

-X ---- PROPOSED FENCE

700 EXISTING CONTOUR

700 --- FLOWLINE (FE)

TREE PRESERVATION NOTE:

TREE PRESERVATION IS SHOWN AS PER THE APPROVED TREE PRESERVATION PLAN DATED SEPTEMBER 14, 2007. THERE IS NO TREE PRESERVATION ON THIS LOT.

LANDSCAPING/TREE PRESERVATION NOTES:

- 1. TOTAL AREA OF LOT= 1.97 AC. = 85,876 SQ.FT. TOTAL PAVED AREA = 43,796 SQ.FT. (51%) TOTAL FUTURE BUILDING AREA = 3,435 SQ.FT. (4%) TOTAL IMPERVIOUS AREA = 48,262 SQ.FT. (55%) TOTAL AREA OF LANDSCAPING= 38,644 SQ.FT. (45%)
- 2. ALL DISTURBED AREAS SHALL BE SEEDED & MULCHED AFTER CONSTRUCTION.
- 3. PAVED AREA = 43,796. FT. / 4,500 = 9 TOTAL TREES REQUIRED. 20 TOTAL TREES PROVIDED.
- 4. ALL PAVED AREAS ARE A MINIMUM OF 20' FROM RIGHT—OF—WAY. NO LANDSCAPE BUFFER REQUIRED.
- 5. 30% OF TOTAL TREES = 3 MED./LG. SHADE TREES. 9 SHADE TREES SHOWN ON SITE.
- 6. LANDSCAPING MAY BE ENHANCED BY THE DEVELOPER AS TIME AND BUDGET ALLOWS.

| PLANT SCHEDULE | | | | | | | |
|----------------|----------|--------|---------------------------|--|--|--|--|
| SYMBOL | QUANTITY | SIZE | CATEGORY | | | | |
| A | O | 5 GAL. | LARGE DECIDUOUS SHRUB | | | | |
| B | 0 | 5 GAL. | EVERGREEN SHRUB | | | | |
| С | 11 | 2" | ORNAMENTAL TREE | | | | |
| D | 9 | 2" | SHADE TREE (MED. — LARGE) | | | | |
| E | 0.92 AC. | N/A | TURF GRASS | | | | |

PROPOSED 15" RCP

PROPOSED BUILDING

45' MAX. BLDG. HEIGHT

STORMWATER MANAGEMENT

1. IT IS THE INTENT OF THIS PLAN TO CAPTURE THE RUNOFF FROM THE IMPROVED SITE AND DETAIN THE PEAK RUNOFF TO PRE-DEVELOPMENT LEVELS FOR THE Q1, Q2, Q10 AND Q100 DESIGN STORMS. THE Q1 DESIGN STORM SHALL ALSO BE TREATED TO OBTAIN THE APPROPRIATE WATER QUALITY LEVEL OF SERVICE. THE FOLLOWING METHODS MAY BE USED TO ACHEIVE THESE GOALS:

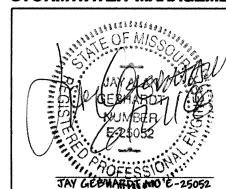
STADIUM BOULEVARD

A. THE USE OF FILTRATION STRIPS ALONG THE EDGE OF THE PARKING LOT PAVEMENT THAT CAN PROVIDE SEDIMENT REMOVAL PRIOR TO DRAINING TO A PERMANENT WET POOL RETENTION BASIN. ADDITIONAL STORAGE AND TREATMENT MAY BE PROVIDED BY BIORETENTION RAIN GARDENS FOR SMALL PORTIONS OF THE SITE. SMALL DIAMETER PIPES SHALL DRAIN EXCESS STORM WATER TO THE PUBLIC STORM SEWER SYSTEM.

B. THE USE OF GUTTERS AND INLETS TO INTERCEPT AND DRAIN RUNOFF TO UNDERGROUND STORAGE TANKS/VAULTS. WITH THIS TYPE OF SYSTEM THE RUNOFF IS DETAINED IN THE STORAGE TANKS/VAULTS AND IS THEN ROUTED TO A MECHANICAL SEPERATION AND FILTRATION DEVICE WHICH TREATS THE RUNOFF PRIOR TO DRAINING TO THE PUBLIC STORM SEWER SYSTEM.

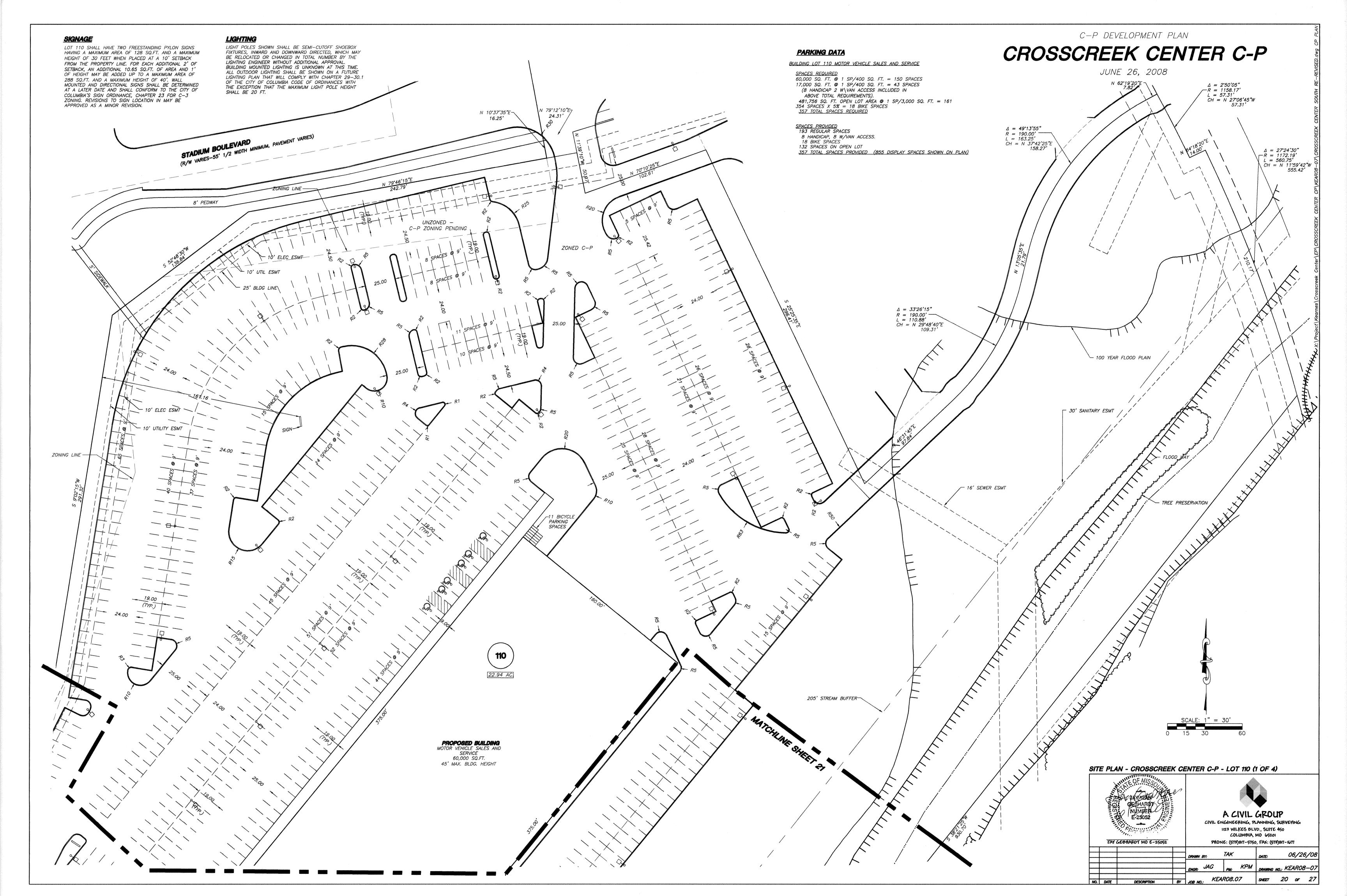
2. ALL STORMWATER MANAGEMENT FACILITIES SHALL BE DESIGNED IN ACCORDANCE WITH CHAPTER 12A AND THE STORMWATER MANAGEMENT AND WATER QUALITY MANUAL OF THE CITY OF COLUMBIA. SUCH FINAL DESIGN SHALL BE PROVIDED BY THE ENGINEER THAT PROVIDES THE FINAL SITE CONSTRUCTION PLANS.

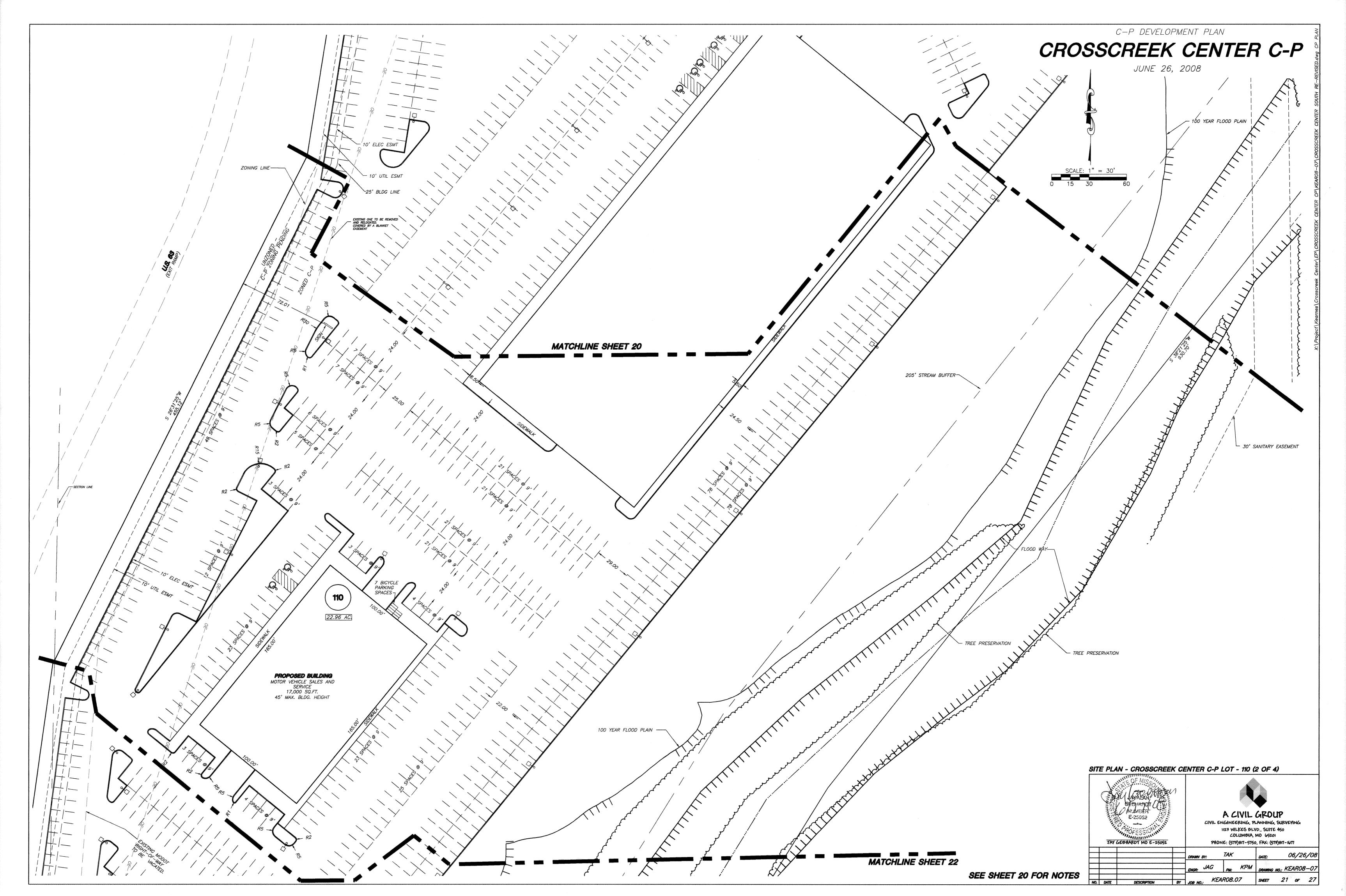
CROSSCREEK CENTER C-P STORMWATER MANAGEMENT/LANDSCAPING - LOT 109





PHONE: (513)817-5150, FAX: (513)817-1471 06/26/08 WING NO.: KEARO8-07

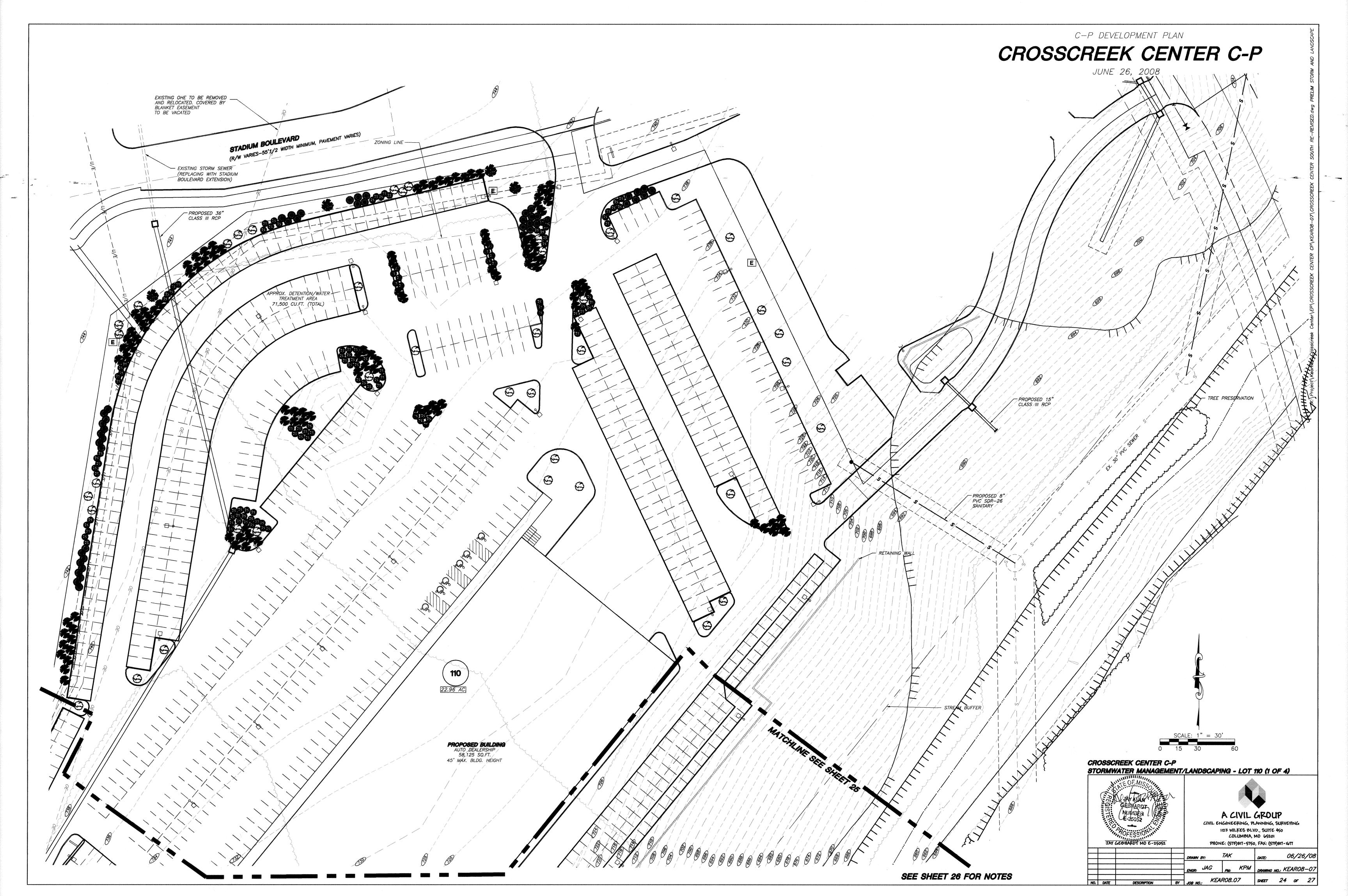


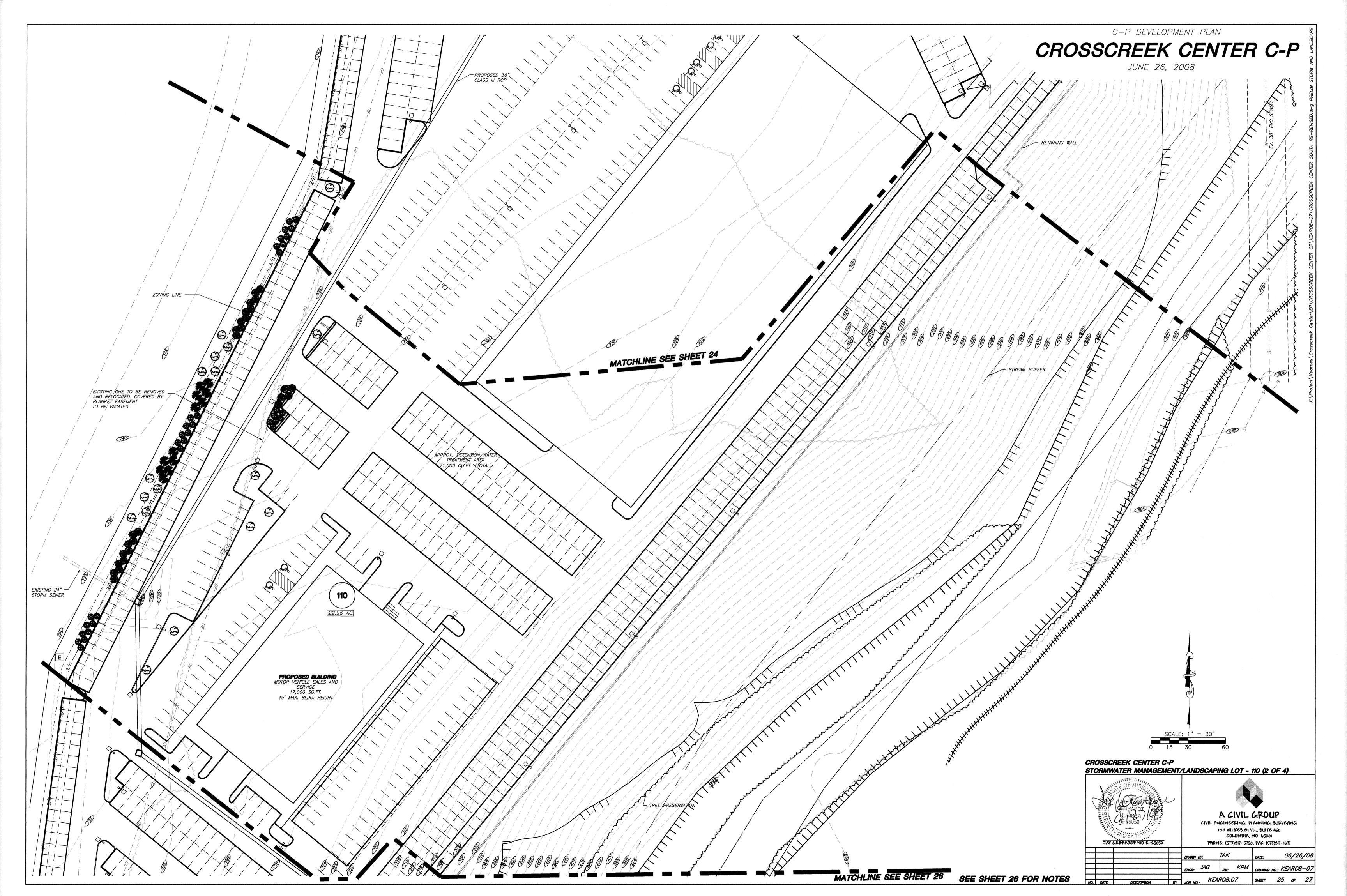


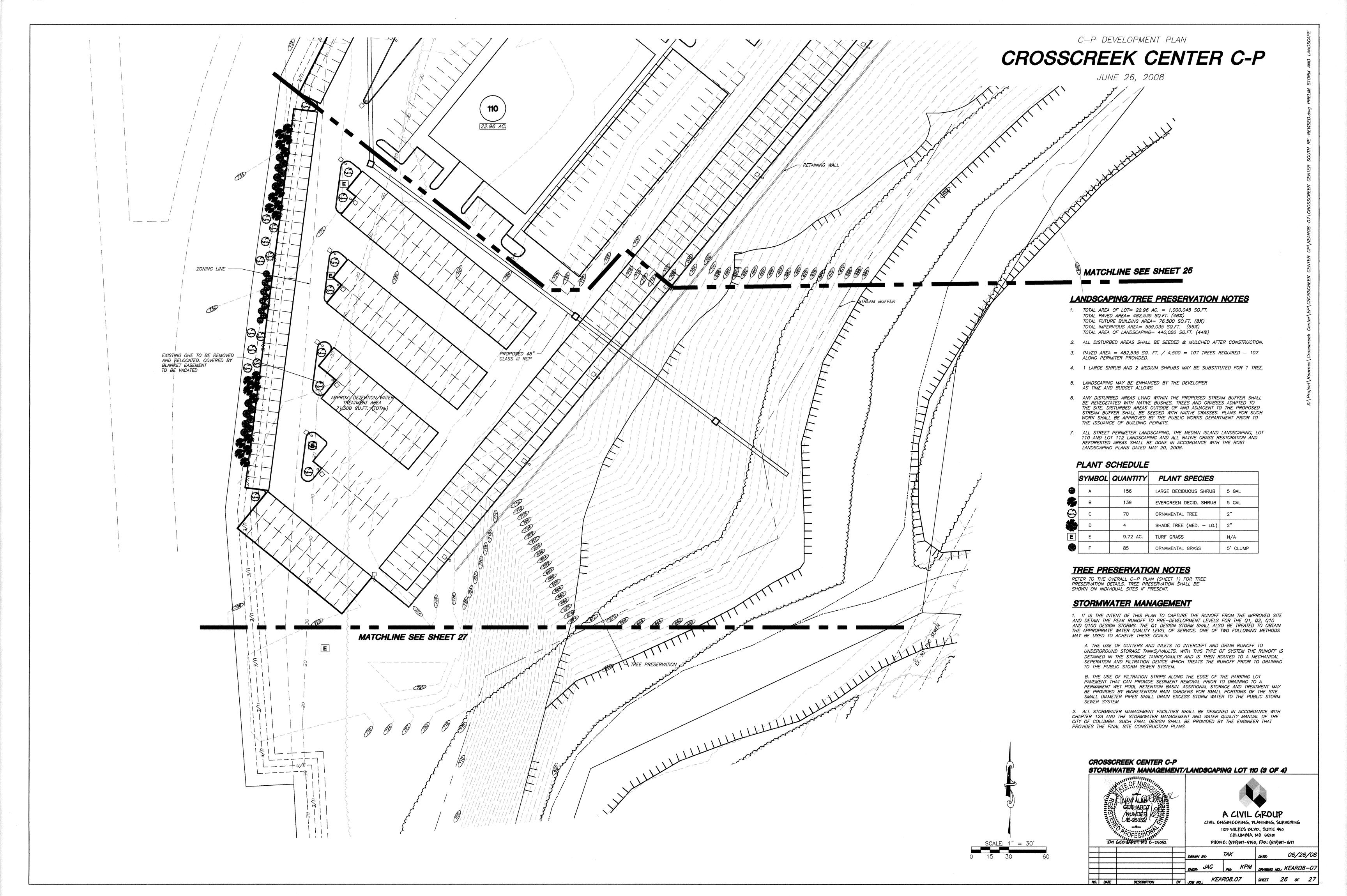
C-P DEVELOPMENT PLAN CROSSCREEK CENTER C-P JUNE 26, 2008 MATCHLINE SHEET 21 MATCHLINE SHEET 23 - 10' ELEC ESMT -ZONING LINE SITE PLAN - CROSSCREEK CENTER C-P LOT - 110 (3 OF 4) - 10' UTIL ESMT A CIVIL GROUP CIVIL ENGINEERING, PLANNING, SURVEYING 1123 WILKES BLVD., SUITE 450 COLUMBIA, MO 45201 JAY GEBHARDT MO E-25052 PHONE: (573)817-5750, FAX: (573)817-1671 06/26/08 SEE SHEET 20 FOR NOTES

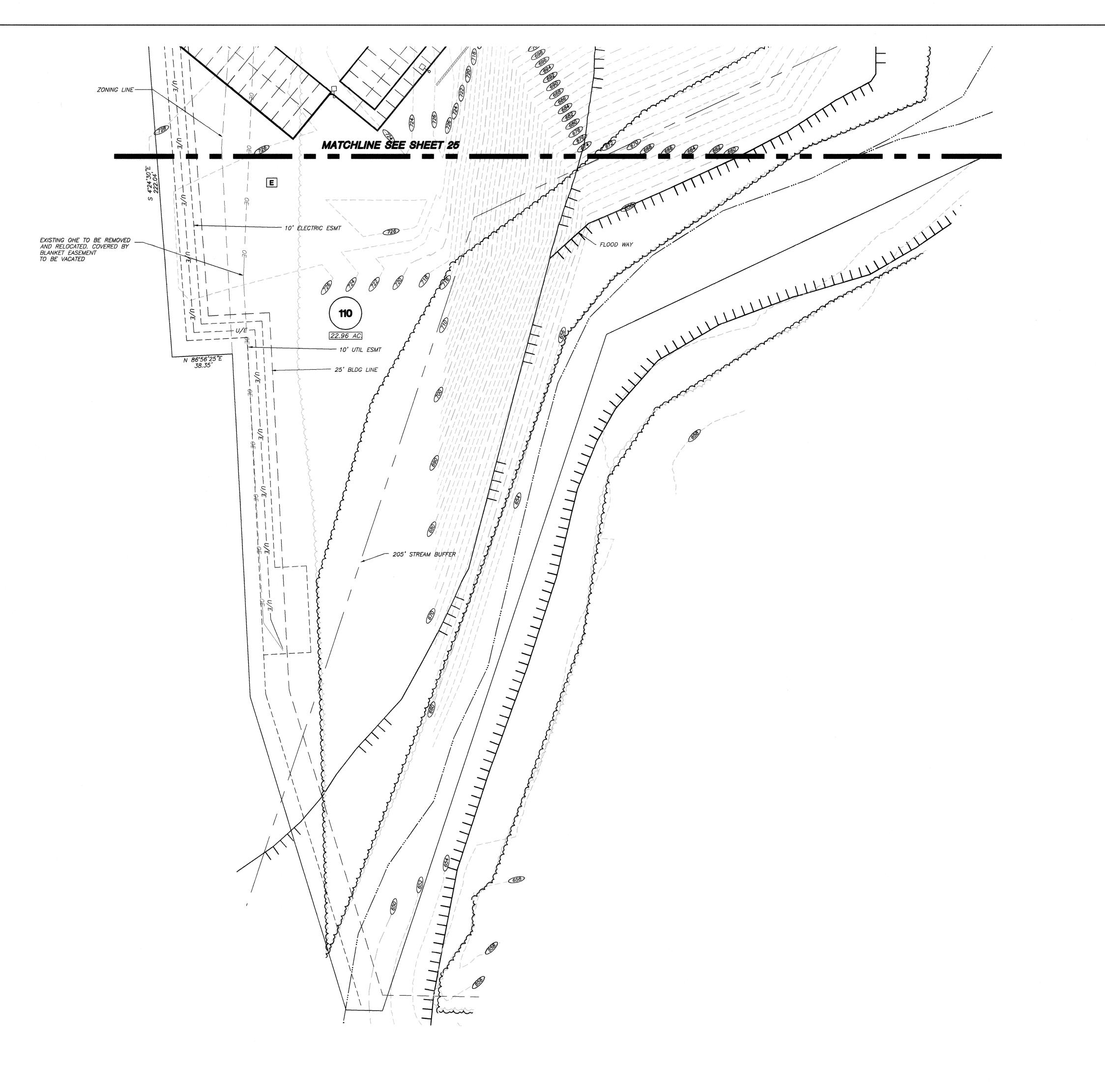
C-P DEVELOPMENT PLAN CROSSCREEK CENTER C-P JUNE 26, 2008 MATCHLINE SHEET 22 22.96 AC. 205' STREAM BUFFER 100 YEAR FLOOD PLAIN -SITE PLAN - CROSSCREEK CENTER C-P LOT - 110 (4 OF 4) CIVIL ENGINEERING, PLANNING, SURVEYING 1123 WILKES BLVD., SUITE 450 COLUMBIA, MO 65201 JAY GEBHARDY MO E-25052 PHONE: (573)817-5750, FAX: (573)817-1677 SEE SHEET 20 FOR NOTES

06/26/08









C-P DEVELOPMENT PLAN

CROSSCREEK CENTER C-P

JUNE 26, 2008

<u>LEGEND</u>

WM EXISTING WATER METER GP GUARD POST

EXISTING FIRE HYDRANT EXISTING WATER VALVE

HANDICAPPED PARKING SIGN

HANDICAPPED PARKING

EXISTING IRON PIPE

SET-IRON (R) REMOVE

(REC.) RECORD

EXISTING SANITARY CLEANOUT

PROPOSED SANITARY MANHOLE

PROPOSED SANITARY CLEANOUT

PP ① POWER POLE

EXISTING TELEPHONE EXISTING GUARDRAIL EXISTING GAS

> - OE EXISTING OVER-HEAD ELECTRIC EXISTING SANITARY EXISTING WATER EXISTING UNDERGROUND ELECTRIC

EXISTING WATER PROPOSED SANITARY

PROPOSED UNDERGROUND TELEPHONE

PROPOSED STORM SEWER FLOWLINE (F) PROPOSED GAS

PROPOSED UNDERGROUND ELECTRIC PROPOSED WATER

- X -- - EXISTING FENCE -X ---- PROPOSED FENCE

ROOF DRAIN

EXISTING CONTOUR 700 --- FLOWLINE (F.)

CROSSCREEK CENTER C-P STORMWATER, MANAGEMENT/LANDSCAPING LOT 110 (4 OF 4)





CIVIL ENGINEERING, PLANNING, SURVEYING 1123 WILKES BLVD., SUITE 450 COLUMBIA, MO 65201

JAY GEBHARDT MO E-25052

PHONE: (573)817-5750, FAX: (573)817-1677 KEAR08.07