

PROPOSED PRELIMINARY PLANS BLACK HILLS CENTER Walmart SUPERCENTER #3872-03 RAPID CITY, PENNINGTON COUNTY, S.D.

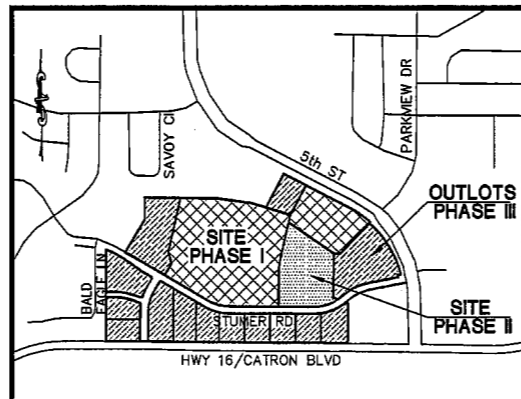
HWY 16 / CATRON BOULEVARD INTERSECTION FIFTH STREET

Wolverton & Associates
Consulting Engineers + Land Surveyors
1225 W. 13th St., Suite 200 - Rapid City, SD 57701
Phone: (605) 394-4155
www.wolverton-assoc.com

UTILITY RESPONSIBILITY MATRIX FOR THIS PROJECT

UTILITY/ GOVERNING AGENCIES CONTACTS	CONTRACTOR RESPONSIBILITY-	OTHERS RESPONSIBILITY-
GAS GAS SERVICE MONTANA-DAKOTA UTILITIES CO. PO BOX 1060 RAPID CITY, SD 57709 CONTACT: MR. MARIO JACOBS PHONE: (605) 355-4016 FAX: (605) 355-4036 E-mail: Mario.jacobs@mdu.com EMERGENCY PHONE: 800-638-3278	-COORDINATE CONSTRUCTION ACTIVITIES WITH GAS COMPANY TO ENSURE INSTALLATION OF GAS LINES ARE COMPLETED PRIOR TO ASPHALT OR CURB PLACEMENT -INSTALL BOLLARD PROTECTION AS SHOWN ON THE PLANS AND PER THE GAS COMPANY REQUIREMENTS	-SERVICE FROM THE POINT OF CONNECTION AT THE EXISTING LINE UP TO AND INCLUDING SETTING OF METER WILL BE BY THE GAS COMPANY -MONTANA-DAKOTA UTILITIES CO. (MDU). -ANY RELOCATION OF EXISTING WILL BE DONE BY MDU
TELEPHONE AT&T, MI, SPRINT MIDCONTINENT COMMUNICATIONS www.midcontinent.com Phone: 1.800.888.7300 GHEAT/ www.qwest.com WOLVOLOGY www.wolvolgy.com	-COORDINATE CONSTRUCTION ACTIVITIES WITH TELEPHONE COMPANY TO ENSURE INSTALLATION OF UNDERGROUND LINES ARE COMPLETED PRIOR TO ASPHALT OR CURB PLACEMENT -PROVIDE AND INSTALL 2-4" SCHEDULE 40 PVC CONDUITS WITH PULL ROPES, INCLUDING ALL TRENCHING AND BACKFILLING FROM THE RISER POLE UP TO THE BUILDING -PROVIDE AND INSTALL PULL BOXES AS PER TELEPHONE COMPANY REQUIREMENTS	-TELEPHONE COMPANY WILL PROVIDE AND INSTALL ALL TELEPHONE CABLES FROM THE POINT OF CONNECTION UP TO THE BUILDING -PRECEDENT RESPONSIBLE PARTIES -ANY RELOCATION OF EXISTING WILL BE DONE BY THE PHONE COMPANY -PRECEDENT RESPONSIBLE PARTIES
ELECTRIC ELECTRIC SERVICE BLACK HILLS POWER PO BOX 1400 RAPID CITY, SD 57709 CONTACT: MR. DON MARTINEZ PHONE: (605) 721-2889 FAX: (605) 719-8917 E-mail: Don.martinez@blackhillscorp.com EMERGENCY PHONE: 805-721-2889 SOUTH DAKOTA ONE CALL: 1-800-781-7474	-COORDINATE CONSTRUCTION ACTIVITIES WITH ELECTRIC COMPANY TO ENSURE INSTALLATION OF UNDERGROUND LINES ARE COMPLETED PRIOR TO ASPHALT OR CURB PLACEMENT -PROVIDE AND INSTALL 2-4" SCHEDULE 40 PVC CONDUITS WITH PULL ROPES, INCLUDING ALL TRENCHING AND BACKFILLING FOR THE UNDERGROUND PORTIONS OF THE PRIMARY FROM THE RISER POLE UP TO THE TRANSFORMER. SCHEDULE 80 PVC CONDUITS SHALL BE USED ON THE RISER POLE AND RIGID METAL LONG RADIIUS ELBOWS SHALL BE USED INSIDE THE UNDERGROUND PORTION MEETS THE RISER POLE AND TRANSFORMER -CONSTRUCT TRANSFORMER PAD AS PER THE ELECTRIC COMPANY'S SPECIFICATIONS -PROVIDE AND INSTALL ALL SECONDARY SERVICE AND MATERIALS	-ELECTRIC COMPANY: BLACK HILLS POWER, WILL PROVIDE AND INSTALL ALL MATERIALS NEEDED TO ESTABLISH PRIMARY OVERHEAD SERVICE FROM POINT OF CONNECTION AT THE EXISTING LINE UP TO THE TRANSFORMER -PRECEDENT RESPONSIBLE PARTIES -ELECTRIC COMPANY WILL PROVIDE AND INSTALL PRIMARY CABLE FOR ALL UNDERGROUND LINES UP TO THE TRANSFORMER -PRECEDENT RESPONSIBLE PARTIES -ANY RELOCATION OF EXISTING LINES OR PILES WILL BE DONE BY RAPID CITY ELECTRIC SYSTEM OR CONTRACTOR -PRECEDENT RESPONSIBLE PARTIES
SANITARY SEWER CITY OF RAPID CITY / SEWER PUBLIC WORKS DEPARTMENT 300 SIXTH STREET, RAPID CITY, SD 57701 CONTACT: MR. STACY STUUS PHONE: (605) 394-4155 FAX: (605) 355-3063	-PROVIDE AND INSTALL SANITARY SEWER LINES AND ASSOCIATED APPURTENANCES PER THE PLANS AND SPECIFICATION -ALL PUBLIC AND PRIVATE SANITARY SEWER LINES SHALL BE PVC BATH 20" -COORDINATE REQUIRED INSPECTION SERVICES WITH ENGINEER OF RECORD AND CITY OF RAPID CITY DEPARTMENT OF PUBLIC WORKS. SEE UTILITY PLAN FOR REQUIREMENTS.	
WATER CITY OF RAPID CITY / WATER PUBLIC WORKS DEPARTMENT 300 SIXTH STREET, RAPID CITY, SD 57701 CONTACT: MR. STACY STUUS PHONE: (605) 394-4155 FAX: (605) 355-3063	-PROVIDE AND INSTALL ALL WATER MAINS AND ASSOCIATED APPURTENANCES PER THE PLANS AND SPECIFICATION -ALL PUBLIC AND PRIVATE WATER MAINS SHALL BE C-300 PVC DR18 CLASS 200 -ALL PORTIONS OF THE FIRE PROTECTION WATER SYSTEM SHALL BE INSTALLED BY A LICENSED FIRE SPRINKLER CONTRACTOR -ALL PORTIONS OF OTHER NON FIRE PROTECTION RELATED LINES MAY BE INSTALLED BY THE PLUMBING CONTRACTOR -COORDINATE REQUIRED INSPECTION SERVICES WITH ENGINEER OF RECORD AND CITY OF RAPID CITY DEPARTMENT OF PUBLIC WORKS. SEE UTILITY PLAN FOR REQUIREMENTS.	-DOMESTIC TAP FROM THE POINT OF CONNECTION AT THE EXISTING LINE UP TO AND INCLUDING SETTING OF METER AT THE PROPERTY LINE WILL BE BY THE WATER COMPANY -PRECEDENT RESPONSIBLE PARTIES -ANY RELOCATION OF EXISTING WILL BE DONE BY CITY OF RAPID CITY PUBLIC WORKS OR CONTRACTOR.
STORM SEWER CITY OF RAPID CITY RAPID CITY, SOUTH DAKOTA 57701-2724 PUBLIC WORKS DEPARTMENT 300 SIXTH STREET CONTACT: TELEPHONE: (605) 394-4155 FAX: (605) 394-6036 WEB: www.rcgov.org	-PROVIDE AND INSTALL ALL STORM SEWER LINES AND ASSOCIATED APPURTENANCES PER THE PLANS AND SPECIFICATION -REFER TO GRADING PLAN FOR INFORMATION ON ALLOWABLE STORM SEWER MATERIALS	
FIRE FIRE DEPARTMENT RAPID CITY DEPARTMENT OF FIRE & EMERGENCY SERVICES PREVENTION DIVISION / PREMIS 1830 PROMISE ROAD, RAPID CITY, SD 57701 CONTACT: CHIEF TIM BESHINGS 605-394-5233 FAX 394-5235		

THIS MATRIX HAS BEEN PROVIDED FOR INFORMATIONAL PURPOSES. THE CONTRACTOR SHALL PROVIDE ANY AND ALL APPURTENANCES, TRENCHING AND BACKFILL, AND OTHER INCIDENTALS TO MEET OR EXCEED THE SPECIFICATIONS OF THE ITEMS LISTED.



LOCATION MAP
NOT TO SCALE

THE SITE IS LOCATED IN THE S1/2 OF THE NE1/4, OR AKA IN THE SW1/4 OF THE NE1/4 AND IN THE SE1/4 OF THE NE1/4. SECTION 24, T1N, R7E, BHM, RAPID CITY, PENNINGTON COUNTY, SOUTH DAKOTA.

- NOTES:**
- THE SITEWORK FOR THE WALMART PORTION OF THIS PROJECT SHALL MEET OR EXCEED THE "WALMART STANDARD SITEWORK SPECIFICATIONS".
 - ALL NECESSARY INSPECTIONS AND/OR CERTIFICATIONS REQUIRED BY CODES AND/OR UTILITY SERVICE COMPANIES SHALL BE PERFORMED PRIOR TO ANNOUNCED BUILDING POSSESSION AND THE FINAL CONNECTION OF SERVICES.

WALMART SUPERCENTER # 3872-03 BLACK HILLS CENTER, RAPID CITY, SD				
SHEET INDEX				
Page Num.	Description	Issued	Latest Revision	Comment
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5	C-1B	PRELIMINARY SITE PLAN (60 SCALE)	03/19/2010	
6	C-2	PRELIMINARY OVERALL GRADING PLAN	03/19/2010	
7	C-2A	PRELIMINARY GRADING PLAN (60 SCALE)	03/19/2010	
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9	C-3	PRELIMINARY OVERALL UTILITY PLAN	03/19/2010	
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12	L-1	PRELIMINARY PLANTING PLAN (60 SCALE)	03/19/2010	
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14	L-3	PRELIMINARY PLANTING PLAN (30 SCALE)	03/19/2010	
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17	L-6	PRELIMINARY PLANTING DETAIL PLAN	03/19/2010	
18	LD-1	SITE LIGHTING PHOTOMETRIC PLAN	03/19/2010	
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21	SL-3	SIGHT LINE PROFILE PLAN	03/19/2010	
22	SL-4	SIGHT LINE PROFILE PLAN	03/19/2010	

ENGINEER-

Wolverton & Associates

Consulting Engineers + Land Surveyors

6745 Sugarloaf Parkway • Suite 100 • Duluth, Georgia 30097
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CONTACT: MR. KELLY J. WAGONER

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Rapid City Growth
Management Department

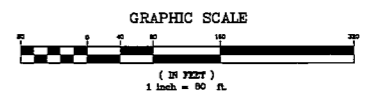
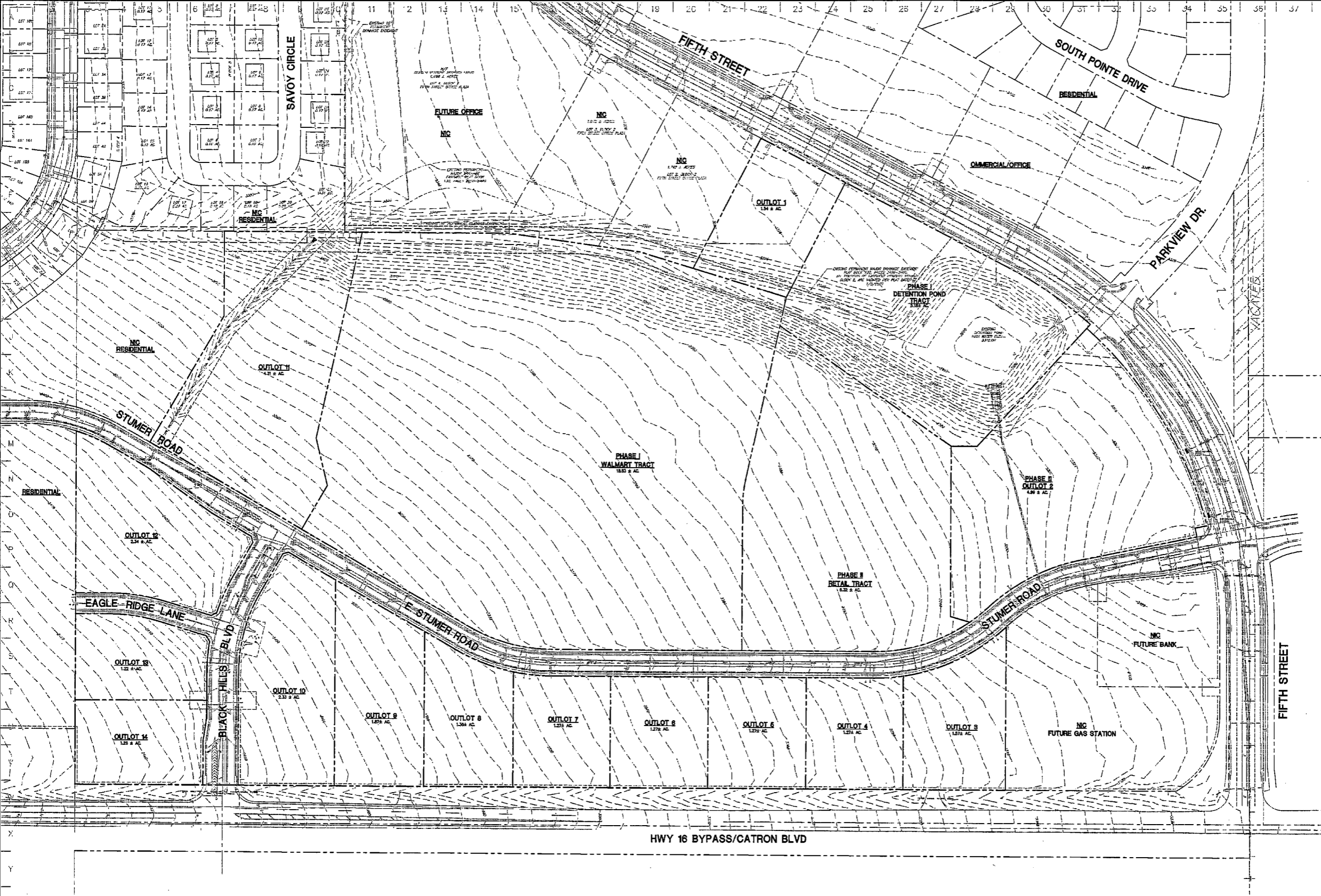
OWNER / DEVELOPER-

THF STONERIDGE DEVELOPMENT, LLC
2127 INNERBELT BUSINESS CENTER DR.
SUITE 200 / ST. LOUIS, MO. 63114

PHONE: (314) 429-0800
FAX: (314) 429-0999

Project Developer
THF STONERIDGE DEVELOPMENT, LLC
 2127 INNERBELT BUSINESS CENTER DR.
 SUITE 200 / ST. LOUIS, MO. 63114
 SHEET NUMBER:
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 Call before you dig



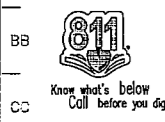
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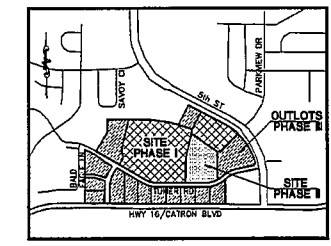
PROPOSED BLACK HILLS CENTER
 Walmart® SUPERCENTER #3872-03
 RAPID CITY, PENNINGTON COUNTY, S.D.
 BY: THE STONERIDGE DEVELOPMENT, LLC
 ST. LOUIS, MO

REVISIONS BY

NO.	DESCRIPTION	DATE	BY

DRAWN BY: CRP
 CHECKED BY: KJW
 DATE: 02/04/2010
 SCALE: 1" = 80'
 JOB NO.: 08-140
 SHEET NUMBER:
EX-1
 OF 8 SHEETS





THE SITE IS LOCATED IN THE S1/2 OF THE NE1/4 OR AKA IN THE SW1/4 OF THE NE1/4 AND IN THE SE1/4 OF THE NE1/4 SECTION 24, T1N, R7E, S14W, RAPID CITY, PENNINGTON COUNTY, SOUTH DAKOTA.

OVERALL SITE ANALYSIS

WALMART RETAIL	154,750 S.F.
TOTAL GROSS AREA	204,850 S.F.
TOTAL PARKING	998 SPACES
PROPOSED RATIO	4.87/1,000 S.F.
REQUIRED RATIO	5.00/1,000 S.F.

WALMART SITE ANALYSIS

WALMART STANDARD SPACES	154,750 S.F.
ACCESSIBLE SPACES	714 SPACES
CART CORRAL	20 SPACES
TOTAL PARKING	28 SPACES
RATIO	734 SPACES / 4.74/1,000 S.F.

RETAIL SITE ANALYSIS

RETAIL TOTAL PARKING	50,100 S.F.
RATIO	270 SPACES / 5.39/1,000 S.F.

SITE AREA ANALYSIS

WALMART	19.17 ± AC.
RETAIL	6.51 ± AC.
DETECTION POND TRACT	4.43 ± AC.
OUTLOTS 1-14	28.18 ± AC.
SITE AREA	58.50 ± AC.

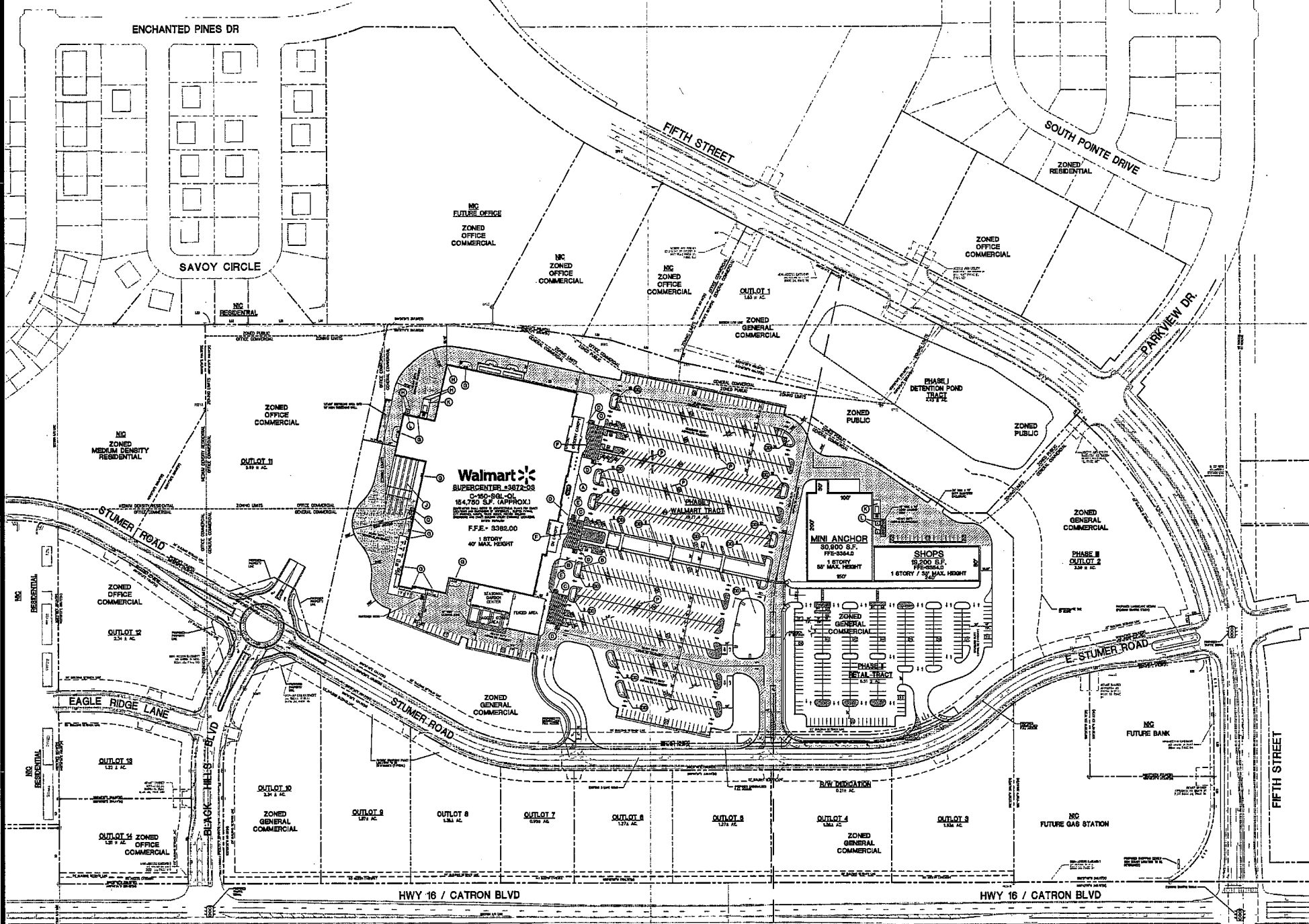
WALMART SUPPLEMENTAL PARKING RATIO BY USE

WALMART MAIN SALES	110,915 S.F.	5.0/1,000 S.F.	554.8 SP
WM SEASONAL GARDEN CENTER	4,048 S.F.	5.0/1,000 S.F.	20.3 SP
WM OUTDOOR SALES AREA	5,793 S.F.	5.0/1,000 S.F.	29.0 SP
TIRE & LUBE EXPRESS	6,140 S.F.	10.0/1,000 S.F.	61.4 SP
FOOD TENANT	1,339 S.F.	11.0/1,000 S.F.	14.7 SP
RETAIL TENANT	1,479 S.F.	5.0/1,000 S.F.	7.4 SP
VISION CENTER	1,454 S.F.	5.0/1,000 S.F.	7.3 SP
STORAGE/REC/MECH	28,842 S.F.	0.25/1,000 S.F.	7.2 SP
WALMART GROSS AREA	159,810 S.F.		701.9 SP

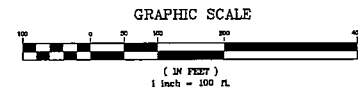
NOTE:
 1. WALMART BUILDING AREAS BASED ON AREAS PROVIDED BY ARCHITECTURAL PLANS.
 2. NON-SALES AREA INCLUDES STORAGE, RECEIVING, ELECTRICAL/MECHANICAL ROOMS, WAREHOUSE USE, VEHICLES, ETC. NOT OPEN TO THE PUBLIC.
 3. TIRE SALES AND SERVICE AND CUSTOMARY VEHICLE SERVICES INCLUDING OIL CHANGES AND BATTERY REPLACEMENT.
 4. TOTAL AREA SHOWN HERE INCLUDES CERTAIN OUTDOOR AND SERVICE AREAS NOT REPRESENTED IN THE OVERALL SITE ANALYSIS TABLE. OVERALL BUILDING AREA PER B.C. 1002.1 DEFINITION.

SITE PLAN NOTES

- ALL WORK AND MATERIALS SHALL COMPLY WITH ALL CITY/COUNTY REGULATIONS AND CODES AND O.S.E.A. STANDARDS.
- CONTRACTOR SHALL REFER TO THE ARCHITECTURAL PLANS FOR EXACT LOCATIONS AND DIMENSIONS OF VESTIBULES, SIDEWALKS, EXIT PORCHES, TRUCK DOCKS, PRECISE BUILDING DIMENSIONS AND EXISTING BUILDING ENTRANCE LOCATIONS.
- ALL DISTURBED AREAS ARE TO RECEIVE FOUR INCHES OF TOPSOIL SEED, MULCH AND WATER UNTIL A HEALTHY STAND OF GRASS IS ESTABLISHED.
- ALL ISLANDS WITH CURB & GUTTER SHALL BE LANDSCAPED. THESE ISLANDS ARE TO HAVE 18" CURB & GUTTER. ALL REMAINING ISLANDS ARE TO BE STRIPPED AS SHOWN.
- ALL CURBED RADII ARE TO BE 5' UNLESS OTHERWISE NOTED. STRIPPED RADII ARE TO BE 5'.
- ALL DRIVEWAYS AND RAMP ARE TO THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
- EXISTING STRUCTURES WITHIN CONSTRUCTION UNITS ARE TO BE ABANDONED, REMOVED OR RELOCATED AS NECESSARY. ALL COST SHALL BE INCLUDED IN BASE BID.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REGULATIONS INCLUDING BUT NOT LIMITED TO, ALL UTILITIES, STORM DRAINAGE, SIGNAGE, TRAFFIC SIGNALS & POLES, ETC. AS REQUIRED. ALL WORK SHALL BE IN ACCORDANCE WITH GOVERNING AUTHORITY'S SPECIFICATIONS AND SHALL BE APPROVED BY SUCH. ALL COST SHALL BE INCLUDED IN BASE BID.
- TOTAL LAND AREA IS 53.38 ± ACRES.
- THE SITE WORK FOR THIS PROJECT SHALL MEET OR EXCEED "THE WAL-MART SITE WORK SPECIFICATIONS".
- SHOPPING CENTER SIGN SHALL BE COMPLETED BY DEVELOPER'S SIGN CONTRACTOR.
- REFER TO ARCHITECTURAL PLANS FOR SITE LIGHTING ELECTRICAL PLAN.
- THE CURRENT ZONING OF ALL PROPERTY SHOWN FOR DEVELOPMENT IS "GENERAL COMMERCIAL", "OFFICE COMMERCIAL" AND "PUBLIC". ADJACENT PROPERTY ZONING AS SHOWN.
- ACCESS ACROSS WALMART AND RETAIL TRACTS ARE PROVIDED FOR PRIVATE AGREEMENT BETWEEN THE PROPERTY OWNERS.



OVERALL SITE PLAN



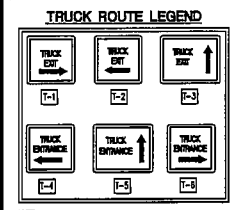
Wolvertson & Associates
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Walmart SUPERCENTER #3872-03
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 BY: THE STONERIDGE DEVELOPMENT, LLC
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REVISIONS	BY

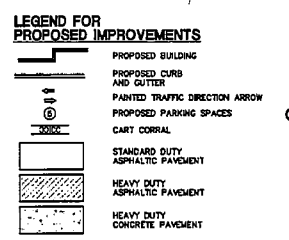
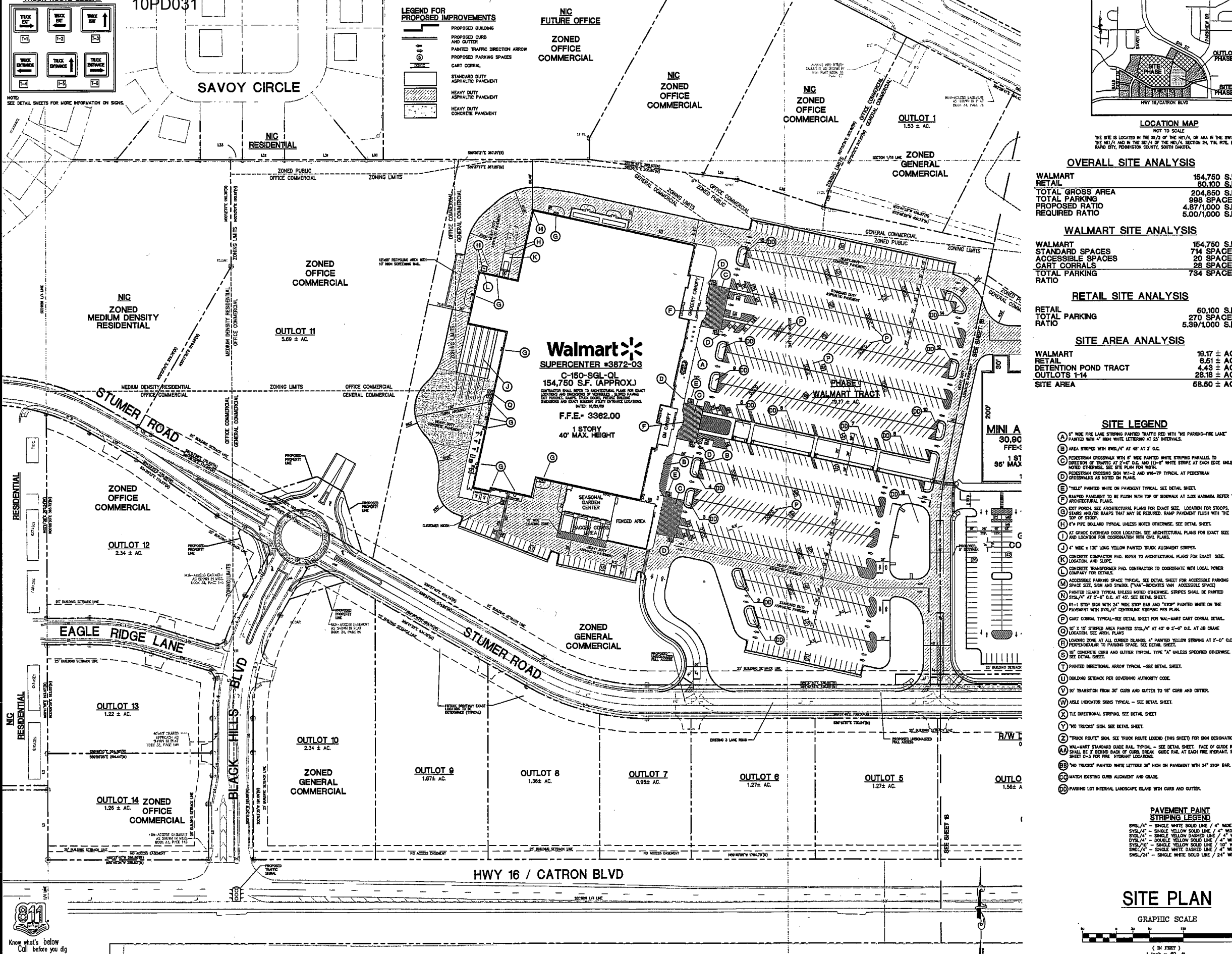
DRAWN BY: DMN
 CHECKED BY: KJW
 DATE: 03/19/2010
 SCALE: 1" = 100'
 JOB NO.: 08-140
 SHEET NUMBER: **C-1**
 OF SHEETS





NOTE:
SEE DETAIL SHEETS FOR MORE INFORMATION ON SIGNS.

10PD031



NIC FUTURE OFFICE
ZONED OFFICE COMMERCIAL
NIC ZONED OFFICE COMMERCIAL

NIC ZONED OFFICE COMMERCIAL
NIC ZONED OFFICE COMMERCIAL

NIC ZONED OFFICE COMMERCIAL
NIC ZONED OFFICE COMMERCIAL

OUTLOT 1
1.53 ± AC.
ZONED GENERAL COMMERCIAL

SAVOY CIRCLE
NIC RESIDENTIAL

ZONED OFFICE COMMERCIAL

OUTLOT 11
5.89 ± AC.

Walmart
SUPERCENTER #3872-03

C-150-SGL-QL
154,760 S.F. (APPROX.)

F.F.E. 3362.00
1 STORY
40' MAX. HEIGHT

PHASE 1
WALMART TRACT
19.17 ± AC.

MINI A
30,900
F.F.E. 1.81
36' MAX

ZONED OFFICE COMMERCIAL

OUTLOT 12
2.34 ± AC.

EAGLE RIDGE LANE

STUMER ROAD

ZONED GENERAL COMMERCIAL

NIC RESIDENTIAL

OUTLOT 13
1.22 ± AC.

OUTLOT 14 ZONED OFFICE COMMERCIAL
1.26 ± AC.

OUTLOT 10
2.34 ± AC.

ZONED GENERAL COMMERCIAL

OUTLOT 9
1.67 ± AC.

OUTLOT 8
1.38 ± AC.

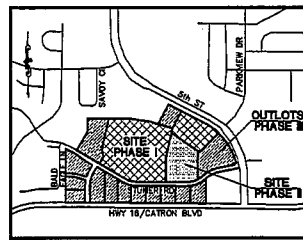
OUTLOT 7
0.85 ± AC.

OUTLOT 6
1.27 ± AC.

OUTLOT 5
1.27 ± AC.

OUTLOT 4
1.56 ± AC.

HWY 16 / CATRON BLVD



LOCATION MAP
NOT TO SCALE
THE SITE IS LOCATED IN THE SW 1/4 OF THE NW 1/4 OF THE NE 1/4 OF SECTION 24, T14N, R7E, S14W, RAPID CITY, PENNINGTON COUNTY, SOUTH DAKOTA.

OVERALL SITE ANALYSIS

WALMART RETAIL	154,750 S.F.
TOTAL GROSS AREA	204,850 S.F.
TOTAL PARKING	988 SPACES
PROPOSED RATIO	4.87/1,000 S.F.
REQUIRED RATIO	5.00/1,000 S.F.

WALMART SITE ANALYSIS

WALMART STANDARD SPACES	154,750 S.F.
ACCESSIBLE SPACES	714 SPACES
CART CORRALS	20 SPACES
TOTAL PARKING RATIO	28 SPACES
	734 SPACES

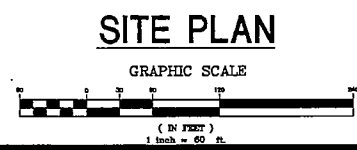
RETAIL SITE ANALYSIS

RETAIL TOTAL PARKING RATIO	60,100 S.F.
	270 SPACES
	5.39/1,000 S.F.

SITE AREA ANALYSIS

WALMART	19.17 ± AC.
RETAIL	6.61 ± AC.
DETENTION POND TRACT	4.43 ± AC.
OUTLOTS 1-14	28.18 ± AC.
SITE AREA	68.60 ± AC.

- SITE LEGEND**
- (A) 5" WIDE FIRE LANE STRIPES PAINTED TRAFFIC RED WITH "NO PARKING-FIRE LANE" PAINTED WITH 4" HIGH WHITE LETTERING AT 25' INTERVALS.
 - (B) AREA STRIPED WITH 500S/4" AT 45° AT 2' O.C.
 - (C) PEDESTRIAN CROSSWALK WITH 6" WIDE PAINTED WHITE STRIPES PARALLEL TO DIRECTION OF TRAFFIC AT 2'-0" O.C. AND (12"-18" WIDE STRIPE AT EACH EDGE UNLESS NOTED OTHERWISE. SEE SITE PLAN FOR WIDTH.
 - (D) PEDESTRIAN CROSSING SIGN WITH 2 AND WITH 7P TYPICAL AT PEDESTRIAN CROSSWALKS AS NOTED ON PLANS.
 - (E) "YIELD" PAINTED WHITE ON PAVED SURFACE. SEE DETAIL SHEET.
 - (F) RAMPED PAVED TO BE FLUSH WITH TOP OF SIDEWALK AT SLOX MAXIMUM. REFER TO ARCHITECTURAL PLANS.
 - (G) CITY FORMS. SEE ARCHITECTURAL PLANS FOR EXACT SIZE. LOCATION FOR STOPS, STAIRS AND/OR RAMPS THAT MAY BE REQUIRED. RAMP PAVEMENT FLUSH WITH TOP OF STOOD.
 - (H) 8" x 8" PAVED ISLANDS TYPICAL UNLESS NOTED OTHERWISE. SEE DETAIL SHEET.
 - (I) 4" x 4" GRID OVERHEAD DOOR LOCATION. SEE ARCHITECTURAL PLANS FOR EXACT SIZE AND LOCATION FOR COORDINATION WITH CIVIL PLANS.
 - (J) 4" WIDE x 135" LONG YELLOW PAINTED TRUCK ALIGNMENT STRIPES.
 - (K) CONCRETE COMPACTOR PAD. REFER TO ARCHITECTURAL PLANS FOR EXACT SIZE, LOCATION AND SLOPE.
 - (L) CONCRETE TRANSFORMER PAD. CONTRACTOR TO COORDINATE WITH LOCAL POWER COMPANY FOR DETAILS.
 - (M) ACCESSIBLE PARKING SPACE TYPICAL. SEE DETAIL SHEET FOR ACCESSIBLE PARKING SPACE SIZE, SIGN AND SYMBOL ("VAN" INDICATES VAN ACCESSIBLE SPACE).
 - (N) PAINTED ISLAND TYPICAL UNLESS NOTED OTHERWISE. STRIPES SHALL BE PAINTED 500S/4" AT 2'-0" O.C. AT 45°. SEE DETAIL SHEET.
 - (O) 18" STOP SIGN WITH 24" WIDE STOP BAR AND "STOP" PAINTED WHITE ON THE PAVEMENT WITH 200S/4" CENTERLINE STRIPING FOR PLAN.
 - (P) CART CORRAL TYPICAL-SEE DETAIL SHEET FOR WAL-MART CART CORRAL DETAIL.
 - (Q) 10' x 15' STOPPED AREA PAINTED 500S/4" AT 45° @ 2'-0" O.C. AT JIB GRADE. LOCATION. SEE ARCH. PLANS.
 - (R) LOADING ZONE AT ALL CURBED ISLANDS. 4" PAINTED YELLOW STRIPING AT 2'-0" O.C. PERPENDICULAR TO PARKING SPACE. SEE DETAIL SHEET.
 - (S) 18" CONCRETE CURB AND GUTTER TYPICAL. TYPE "A" UNLESS SPECIFIED OTHERWISE. SEE DETAIL SHEET.
 - (T) PAINTED DIRECTIONAL ARROW TYPICAL - SEE DETAIL SHEET.
 - (U) BUILDING SETBACK PER GOVERNING AUTHORITY CODE.
 - (V) 10' TRANSITION FROM 30" CURB AND GUTTER TO 18" CURB AND GUTTER.
 - (W) WHEEL INDICATOR SIGN TYPICAL - SEE DETAIL SHEET.
 - (X) TILE DIRECTIONAL STRIPING. SEE DETAIL SHEET.
 - (Y) "NO TRUCKS" SIGN. SEE DETAIL SHEET.
 - (Z) "TRUCK ROUTE" SIGN. SEE TRUCK ROUTE LEGEND (THIS SHEET) FOR SIGN DESIGNATION.
 - (AA) WAL-MART STANDARD GUIDE RAIL TYPICAL - SEE DETAIL SHEET. FACE OF GUIDE RAIL SHALL BE 2" BEHIND BACK OF CURB BREAK. GUIDE RAIL AT EACH FIRE HYDRANT. SEE SHEET C-3 FOR FIRE HYDRANT LOCATIONS.
 - (BB) "NO TRUCKS" PAINTED WHITE LETTERS 34" HIGH ON PAVEMENT WITH 24" STOP BAR.
 - (CC) MATCH EXISTING CURB ALIGNMENT AND GRADE.
 - (DD) PARKING LOT INTERNAL LANDSCAPE ISLAND WITH CURB AND GUTTER.

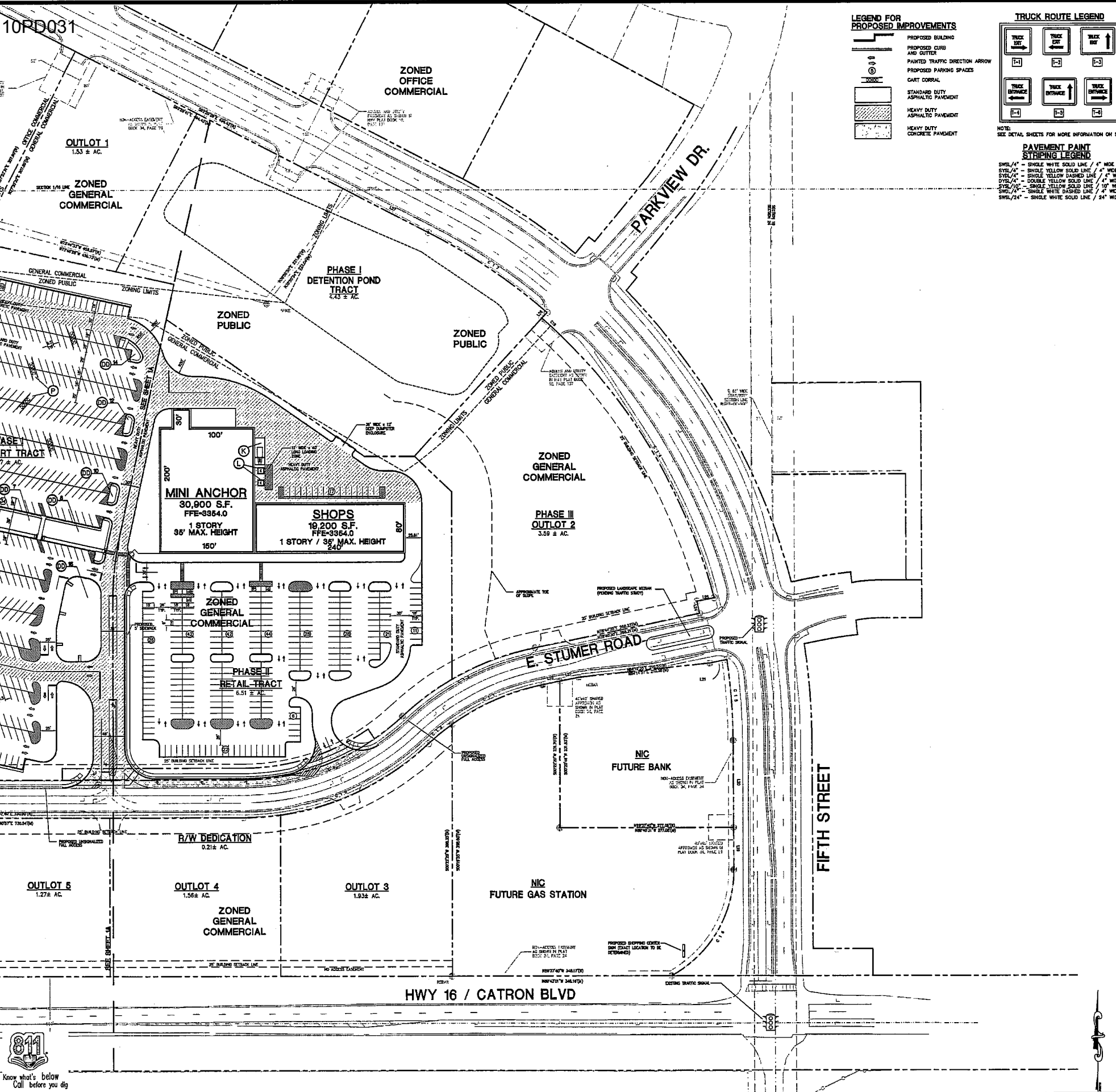


Wolverton & Associates
Consulting Engineers + Land Surveyors
6718 S. Bismarck Avenue - Suite 100 - Bismarck, North Dakota 58507
Phone: (701) 447-0070
www.wolverton-associates.com

PROPOSED BLACK HILLS CENTER
Walmart SUPERCENTER #3872-03
RAPID CITY, PENNINGTON COUNTY, S.D.
BY: THF, STONERIDGE DEVELOPMENT, LLC
ST. LOUIS, MO

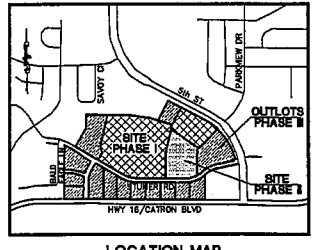
REVISIONS	BY

DRAWN BY: DMN
CHECKED BY: KJW
DATE: 03/19/2010
SCALE: 1"= 80'
JOB NO.: 08-140
SHEET NUMBER: C-1A
OF 8 SHEETS



- LEGEND FOR PROPOSED IMPROVEMENTS**
- PROPOSED BUILDING
 - PROPOSED CURB AND CUTTER
 - PAINTED TRAFFIC DIRECTION ARROW
 - PROPOSED PARKING SPACES
 - GART CORRAL
 - STANDARD DUTY ASPHALTIC PAVEMENT
 - HEAVY DUTY ASPHALTIC PAVEMENT
 - HEAVY DUTY CONCRETE PAVEMENT

- TRUCK ROUTE LEGEND**
- TRUCK ROUTE 1
 - TRUCK ROUTE 2
 - TRUCK ROUTE 3
 - TRUCK ROUTE 4
 - TRUCK ROUTE 5
 - TRUCK ROUTE 6
- PAVEMENT PAINT STRIPING LEGEND**
- SWSL/4" - SINGLE WHITE SOLID LINE / 4" WIDE
 - SYSL/4" - SINGLE YELLOW SOLID LINE / 4" WIDE
 - DYSL/4" - DOUBLE YELLOW SOLID LINE / 4" WIDE EACH
 - SWD/4" - SINGLE WHITE DASHED LINE / 4" WIDE
 - SYD/4" - SINGLE YELLOW DASHED LINE / 4" WIDE
 - SWSL/24" - SINGLE WHITE SOLID LINE / 24" WIDE
- NOTE: SEE DETAIL SHEETS FOR MORE INFORMATION ON SIGNS.



OVERALL SITE ANALYSIS

WALMART RETAIL	154,750 S.F.
TOTAL GROSS AREA	50,100 S.F.
TOTAL SPACES	204,880 S.F.
PROPOSED RATIO	968 SPACES
REQUIRED RATIO	4.87/1,000 S.F.
	5.00/1,000 S.F.

WALMART SITE ANALYSIS

WALMART	154,750 S.F.
STANDARD SPACES	714 SPACES
ACCESSIBLE SPACES	20 SPACES
GART CORRALS	28 SPACES
TOTAL PARKING	734 SPACES
RATIO	4.74/1,000 S.F.

RETAIL SITE ANALYSIS

RETAIL	50,100 S.F.
TOTAL PARKING	270 SPACES
RATIO	5.39/1,000 S.F.

SITE AREA ANALYSIS

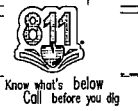
WALMART	19.17 ± AC.
RETAIL	6.51 ± AC.
DETENTION POND TRACT	4.43 ± AC.
OUTLOTS 1-14	28.18 ± AC.
SITE AREA	68.60 ± AC.

- SITE LEGEND**
- (A) 5" WIDE FINE LINE STRIPING PAINTED TRAFFIC RED WITH "NO PARKING-FIRE LANE" PAINTED WITH 4" HIGH WHITE LETTERING AT 2' INTERVALS.
 - (B) AREA STRIPED WITH SWSL/4" AT 45° AT 2' O.C.
 - (C) PEDESTRIAN CROSSWALK WITH 6" WIDE PAINTED WHITE STRIPING PARALLEL TO DIRECTION OF TRAFFIC AT 2'-0" O.C. AND (1)-8" WHITE STRIPE AT EACH EDGE UNLESS NOTED OTHERWISE. SEE SITE PLAN FOR WIDTH.
 - (D) PEDESTRIAN CROSSING SIGN W11-2 AND W18-7P TYPICAL AT PEDESTRIAN CROSSWALKS AS NOTED ON PLANS.
 - (E) "WELD" PAINTED WHITE ON PAVEMENT TYPICAL. SEE DETAIL SHEET.
 - (F) RAMPED PAVEMENT TO BE FLUSH WITH TOP OF SIDEWALK AT 6.0% MAXIMUM. REFER TO ARCHITECTURAL PLANS.
 - (G) EXIST POND. SEE ARCHITECTURAL PLANS FOR EXACT SIZE. LOCATION FOR STAIRS, STAIRS AND/OR RAMPS THAT MAY BE REQUIRED. RAMP PAVEMENT FLUSH WITH THE TOP OF STAIRS.
 - (H) 6" PIPE BOLLARD TYPICAL UNLESS NOTED OTHERWISE. SEE DETAIL SHEET.
 - (I) AT GRADE OVERHEAD DOOR LOCATION. SEE ARCHITECTURAL PLANS FOR EXACT SIZE AND LOCATION FOR COORDINATION WITH CIVIL PLANS.
 - (J) 4" WIDE x 130' LONG YELLOW PAINTED TRUCK ALIGNMENT STRIPES.
 - (K) CONCRETE COMPACTOR PAD. REFER TO ARCHITECTURAL PLANS FOR EXACT SIZE, LOCATION AND SLOPE.
 - (L) CONCRETE TRANSFORMER PAD. CONTRACTOR TO COORDINATE WITH LOCAL POWER COMPANY FOR DETAILS.
 - (M) ACCESSIBLE PARKING SPACE TYPICAL. SEE DETAIL SHEET FOR ACCESSIBLE PARKING SPACE SIZE, SIGN AND SYMBOL ("VAN" INDICATES VAN ACCESSIBLE SPACE).
 - (N) PAINTED ISLAND TYPICAL UNLESS NOTED OTHERWISE. STRIPES SHALL BE PAINTED SWSL/4" AT 2'-0" O.C. AT 45°. SEE DETAIL SHEET.
 - (O) R1-1 STOP SIGN WITH 24" WIDE STOP BAR AND "STOP" PAINTED WHITE ON THE PAVEMENT WITH DYSL/4" CENTERLINE STRIPING PER PLAN.
 - (P) GART CORRAL TYPICAL—SEE DETAIL SHEET FOR WAL-MART GART CORRAL DETAIL.
 - (Q) 10' X 15' STRIPED AREA PAINTED SYSL/4" AT 45° @ 2'-0" O.C. AT JO CRANE LOCATION. SEE ARCH. PLANS.
 - (R) LOADING ZONE AT ALL CURBED ISLANDS. 4" PAINTED YELLOW STRIPING AT 2'-0" O.C. PERPENDICULAR TO PARKING SPACE. SEE DETAIL SHEET.
 - (S) 18" CONCRETE CURB AND CUTTER TYPICAL. TYPE "A" UNLESS SPECIFIED OTHERWISE. SEE DETAIL SHEET.
 - (T) PAINTED DIRECTIONAL ARROW TYPICAL. — SEE DETAIL SHEET.
 - (U) BUILDING SETBACK PER GOVERNING AUTHORITY CODE.
 - (V) 18" TRANSITION FROM 30" CURB AND CUTTER TO 18" CURB AND CUTTER.
 - (W) ASSE INDICATOR SIGNS TYPICAL. — SEE DETAIL SHEET.
 - (X) 18" DIRECTIONAL STRIPING. SEE DETAIL SHEET.
 - (Y) "NO TRUCKS" SIGN. SEE DETAIL SHEET.
 - (Z) "TRUCK ROUTE" SIGN. SEE TRUCK ROUTE LEGEND (THIS SHEET) FOR SIGN DESIGNATION.
 - (AA) WAL-MART STANDARD GUARD RAIL TYPICAL. — SEE DETAIL SHEET. FACE OF GUARD RAIL SHALL BE 2" BEYOND BACK OF CURB. BEYOND GUARD RAIL AT EACH FIRE HYDRANT. SEE SHEET C-3 FOR FIRE HYDRANT LOCATIONS.
 - (BB) "NO TRUCKS" PAINTED WHITE LETTERS 30" HIGH ON PAVEMENT WITH 24" STOP BAR.
 - (CC) MATCH EXISTING CURB ALIGNMENT AND GRADE.
 - (DD) PARKING LOT INTERNAL LANDSCAPE ISLAND WITH CURB AND CUTTER.

SITE PLAN

GRAPHIC SCALE

1" = 60'
1 inch = 60 ft.



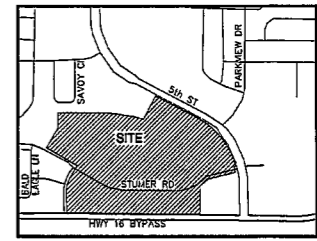
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 BY: THF, STONERIDGE DEVELOPMENT, LLC
 ST. LOUIS, MO

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08-140 V420D



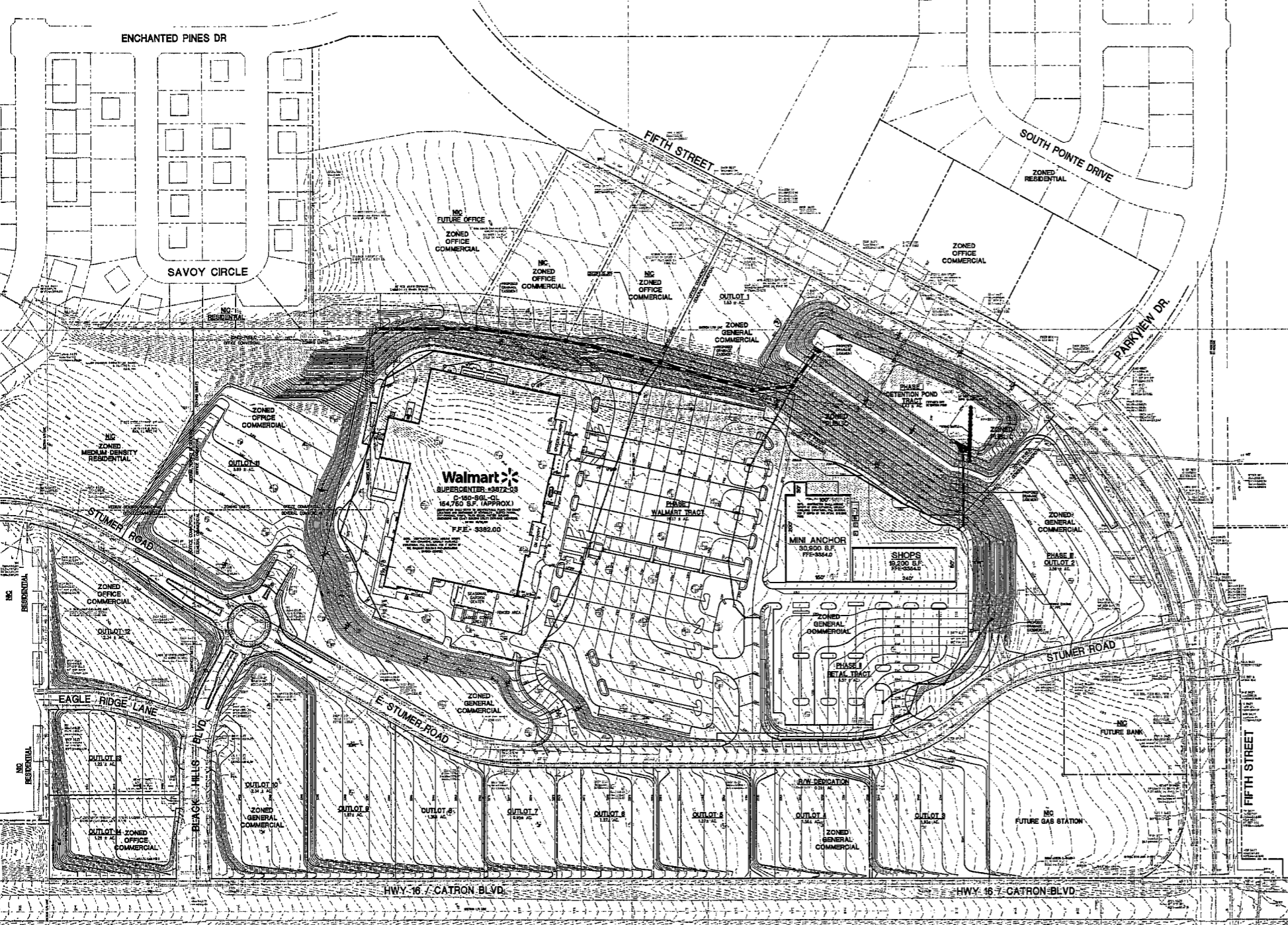
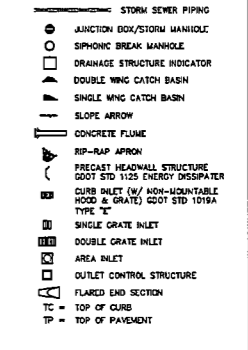
SITE GRADING NOTES

- CONTRACTOR IS RESPONSIBLE FOR DETECTION OF EXISTING UTILITIES INCLUDING REMOVAL OF ANY EXISTING UTILITIES SERVING THE STRUCTURE. UTILITIES ARE TO BE REMOVED TO THE RIGHT-OF-WAY.
- THE CONTRACTOR IS RESPONSIBLE FOR DETECTION OF THE EXISTING WATER SERVICE OF THE SITE AND FOR THE PROVISION OF A PROPER BACKFLOW PREVENTER TO THE STREET SIDE. JOINTS SHALL BE MADE IN THE BACKFLOW PREVENTER TO PROVIDE ACCESS TO THE STREET SIDE FOR TESTING AND INSPECTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROVISION OF A PROPER BACKFLOW PREVENTER TO THE STREET SIDE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROVISION OF A PROPER BACKFLOW PREVENTER TO THE STREET SIDE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROVISION OF A PROPER BACKFLOW PREVENTER TO THE STREET SIDE.
- ALL CUT OR FILL SLOPES SHALL BE 3:1 OR FLATTER UNLESS OTHERWISE NOTED.
- PRECAST STRUCTURES MAY BE USED AT CONTRACTORS OPTION. PRECAST STRUCTURES ARE NOT ALLOWED IN CITY R/W OR EASEMENTS.
- STORM PIPE SHALL BE AS FOLLOWS UNLESS OTHERWISE NOTED:
TYPE 1: RCP PER ASTM C-76, WITH FLEXIBLE PLASTIC BRUSHED GASKETS AT JOINTS.
- FILLS UP TO 12' OVER TOP OF PIPE, CLASS II OR GREATER MAY BE USED.
- FILLS 12' OVER TOP OF PIPE, CLASS IV OR GREATER MAY BE USED.
- FILLS GREATER THAN 20' OVER TOP OF PIPE, CLASS V MUST BE USED.
TYPE 2: CORRUGATED POLYETHYLENE PIPE (CPOP), SMOOTH INTERIOR WITH EXTERIOR OPEN CORRUGATIONS, PER AASHTO M254 MAY BE USED FOR PIPES 4" TO 48" JOINTS SHALL BE WATER TIGHT APPROVED PROTECTIVE AND MANHOLE HEADS WITH SURE-LOCK JOINTS, ADS M-12, NOT ALLOWED IN CITY R/W OR EASEMENTS.
- EXISTING DRAINAGE STRUCTURES TO BE REFINISHED AND REPAIRED AS NEEDED, AND EXISTING PIPES TO BE CLEANED OUT TO REMOVE ALL S.S.T. AND DEBRIS.
- EXISTING GRADE CONTOUR SHOWN AT 1 FOOT INTERVALS.
- PROPOSED GRADE CONTOUR SHOWN AT 1 FOOT INTERVALS.
- IF ANY EXISTING STRUCTURES TO REMAIN ARE DAMAGED DURING CONSTRUCTION IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR AND/OR REPLACE THE EXISTING STRUCTURE AS NECESSARY TO RETURN IT TO EXISTING CONDITIONS OF BETTER.
- ALL STORM PIPE EXTERIOR STRUCTURES SHALL BE GRADED TO ASSURE CONNECTION AT STRUCTURE IS WATER TIGHT.
- ALL STORM SEWER MANHOLES IN PAVED AREAS SHALL BE FLUSH WITH PAVERS, AND SHALL HAVE TRAFFIC BEARING RINGS & CONCRETE MANHOLES IN UNPAVED AREAS SHALL BE 6" ABOVE FINISH GRADE. LIDS SHALL BE LABELED "STORM SEWER".
- THE CONTRACTOR SHALL ADHERE TO ALL TERMS & CONDITIONS AS OUTLINED IN THE GENERAL N.P.E.S. PERMIT AND CITY DRAINAGE CONTROL PERMIT FOR STORMWATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITIES.
- CONTRACTOR SHALL ADJUST AND/OR CUT EXISTING PAVEMENT AS NECESSARY TO ASSURE A SMOOTH FIT AND CONTINUOUS GRADE.
- CONTRACTOR SHALL ASSURE POSITIVE DRAINAGE AWAY FROM BUILDINGS FOR ALL NATURAL AND PAVED AREAS.
- TOPOGRAPHIC INFORMATION TAKEN FROM A TOPOGRAPHIC SURVEY BY DENNER & ASSOCIATES, LLC. IF CONTRACTOR DOES NOT ACCEPT EXISTING TOPOGRAPHY AS SHOWN ON THIS PLAN, MINOR EXCEPTION, HE SHALL HAVE MADE AT HIS EXPENSE, A TOPOGRAPHIC SURVEY BY A REGISTERED LAND SURVEYOR AND SUBMIT IT TO THE OWNER FOR REVIEW.
- ALL UNSURFACED AREAS DISTURBED BY GRADING OPERATION SHALL RECEIVE 4 INCHES OF TOPSOIL. CONTRACTOR SHALL APPLY STABILIZATION FABRIC TO ALL SLOPES AS INDICATED ON THE EROSION CONTROL PLANS. CONTRACTOR SHALL GRASS DISTURBED AREAS IN ACCORDANCE WITH CITY/COUNTY SPECIFICATIONS UNTIL A HEALTHY STAND OF GRASS IS OBTAINED.
- CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE GOVERNING CODES AND BE CONSTRUCTED TO STAY.
- ALL STORM STRUCTURES SHALL HAVE A SMOOTH UNIFORM POWDER WORTAR INVERT FROM INVERT-IN TO INVERT-OUT.
- CONTRACTOR TO CONTACT THE CITY/COUNTY FIRE DEPARTMENT FOR BLASTING REQUIREMENTS. WHERE ASPHALT OVERLAY IS SPECIFIED ON THE PLANS, THE CONTRACTOR SHALL PROVIDE LEVELING WHERE NECESSARY TO ACHIEVE THE PROPOSED GRADES SPECIFIED ON THE GRADING PLAN. THE CONTRACTOR SHALL INCLUDE ALL COSTS IN BASE BID.

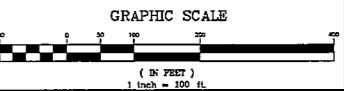
THE CONTRACTOR IS SPECIALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF ALL EXISTING UTILITIES (ABOVE OR BELOW GROUND) AS SHOWN ON THESE PLANS ARE APPROXIMATE AND WERE LOCATED BASED ON EITHER VISUAL OBSERVATION AT THE SITE, OR EXISTING SURVEYS AND/OR FROM UTILITY OWNERS. WOLVERTON AND ASSOCIATES, INC. DOES NOT GUARANTEE THAT EXISTING UTILITY LOCATIONS SHOWN ARE EXACT. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXACT LOCATIONS OF EXISTING UTILITIES (ABOVE OR BELOW GROUND) BEFORE BEGINNING ANY CONSTRUCTION. THE CONTRACTOR SHALL CALL THE APPROPRIATE UTILITY COMPANIES AND THE UTILITIES PROTECTION CENTER AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY OWNER AND/OR ENGINEER OF ANY UTILITY CONFLICTS WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.

- * STRUCTURE TYPE**
CURB INLET - GOOT STANDARD 1019A TYPE C, (SEE DETAIL SHEETS)
GRATE INLET - SEE GRATE INLET DETAIL FOR GRATE TYPE, (SEE DETAIL SHEETS)
JUNCTION BOX - SEE DETAIL SHEETS.
SING - SINGLE WING CATCH BASIN - GOOT STANDARD 1019A, (SEE DETAIL SHEETS)
AREA INLET - SEE DETAIL SHEETS.
HEADWALL - SEE DETAIL SHEETS.
OUTLET CONTROL STRUCTURE - SEE DETAIL SHEETS.
- ** PIPE TYPE**
UNLESS A PIPE TYPE MATERIAL IS SPECIFIED IN THE DRAINAGE SCHEDULE, THE CONTRACTOR MAY USE AT HIS DISCRETION ANY OF THE PIPE MATERIALS LISTED AS APPROVED STORM PIPE MATERIALS IN THE SITE GRADING NOTES.

GRADING/DRAINAGE PLAN LEGEND



OVERALL GRADING PLAN



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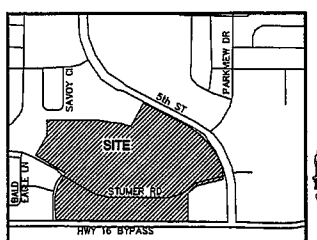
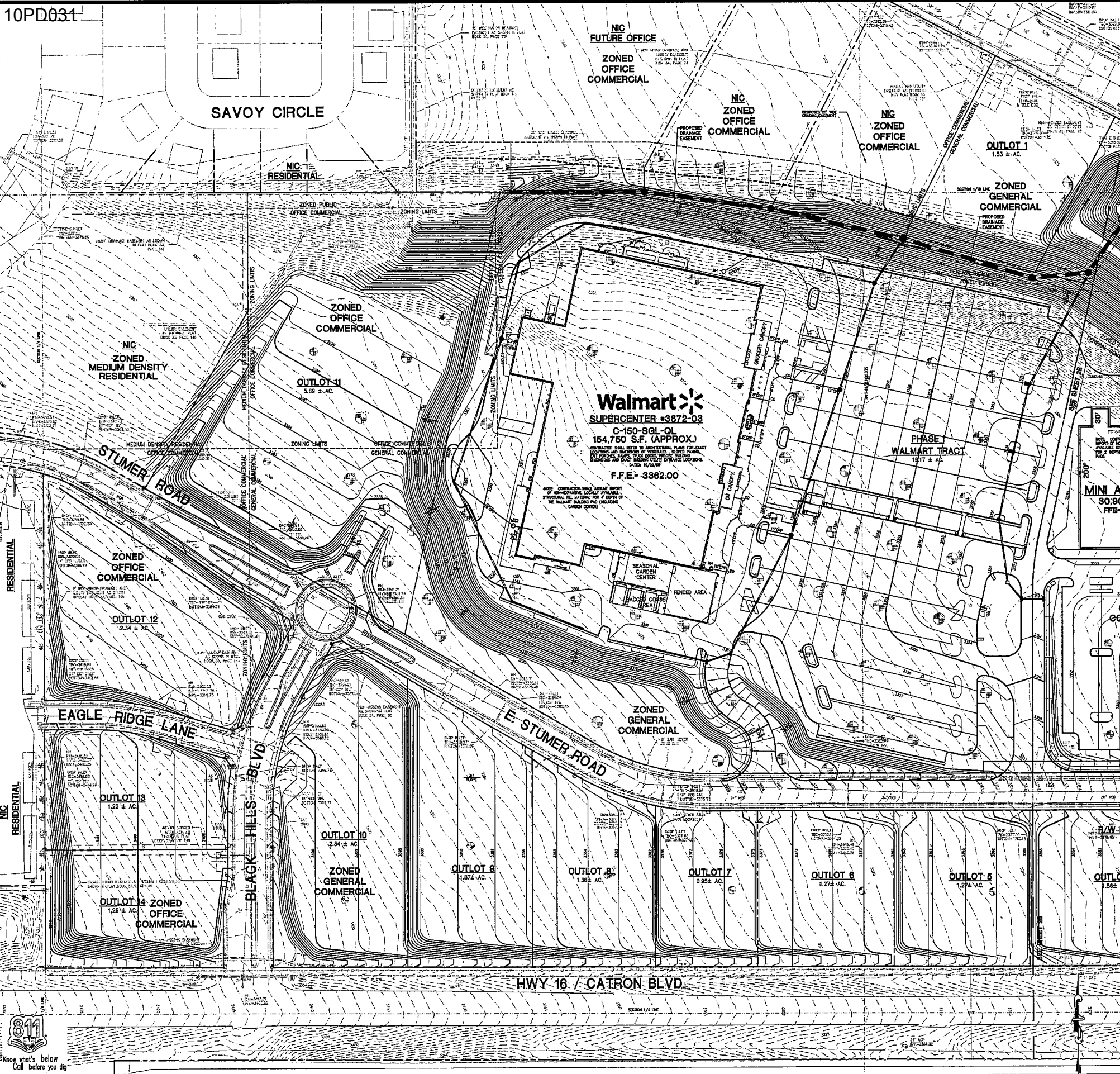
PROPOSED BLACK HILLS CENTER
Walmart Supercenter #3872-03
RAPID CITY, PENNINGTON COUNTY, S.D.
BY: THF, STONERIDGE DEVELOPMENT, LLC
ST. LOUIS, MO

REVISIONS	BY

DRAWN BY DMN
CHECKED BY KJW
DATE 03/22/2010
SCALE 1" = 100'
JOB No. 08-140
SHEET NUMBER

C-2
OF SHEETS





SITE GRADING NOTES

- CONTRACTOR IS RESPONSIBLE FOR SIMULATION OF EXISTING STRUCTURES INCLUDING REMOVAL OF ANY EXISTING UTILITIES SERVING THE STRUCTURE. UTILITIES ARE TO BE REMOVED TO THE RIGHT-OF-WAY.
- CONTRACTOR SHALL MAINTAIN EXISTING UTILITIES AND STRUCTURES TO REMAIN UNLESS OTHERWISE NOTED.
- ALL CUT OR FILL SLOPES SHALL BE 3:1 OR FLATTER UNLESS OTHERWISE NOTED. PRECAST STRUCTURES ARE NOT ALLOWED IN CITY R/W OR EASEMENTS.
- PRECAST STRUCTURES MAY BE USED AT CONTRACTOR'S OPTION. PRECAST STRUCTURES ARE NOT ALLOWED IN CITY R/W OR EASEMENTS.
- STORM PIPE SHALL BE AS FOLLOWS UNLESS OTHERWISE NOTED:
TYPE 1: 18" PER ASTM C-76 WITH FIBERGLASS PLASTIC STRAIN BASKETS AT JOINTS.
- FILLS UP TO 15' OVER TOP OF PIPE CLASS II OR GREATER MAY BE USED.
- FILLS 15' OVER TOP OF PIPE CLASS IV OR GREATER MAY BE USED.
- FILLS GREATER THAN 20' OVER TOP OF PIPE CLASS V MUST BE USED.
TYPE 2: CORRUGATED POLYETHYLENE PIPE (CPP), SMOOTH INTERIOR WITH EXTERIOR OPEN CORRUGATIONS. PER ASTM M294 MAY BE USED FOR PIPES 4" TO 48" JOINTS SHALL BE WATER TIGHT APPROVED PRODUCTS AND HANDED 18" WITH SURE-LOCK JOINTS, ADS N-12. NOT ALLOWED IN CITY R/W OR EASEMENTS.
- EXISTING DRAINAGE STRUCTURES TO BE IMPROVED AND REPAIRED AS NEEDED, AND EXISTING PIPES TO BE CLEANED OUT TO REMOVE ALL SILT AND DEBRIS.
- EXISTING GRADE CONTOUR SHOWN AT 1 FOOT INTERVALS.
- PROPOSED GRADE CONTOUR SHOWN AT 1 FOOT INTERVALS.
- IF ANY EXISTING STRUCTURES TO REMAIN ARE DAMAGED DURING CONSTRUCTION IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR AND/OR REPLACE THE EXISTING STRUCTURE AS NECESSARY TO RETURN IT TO EXISTING CONDITIONS OR BETTER.
- ALL STORM PIPE ENTERING STRUCTURES SHALL BE GROUNDED TO ASSURE CONNECTION AT STRUCTURE IS WATER-TIGHT.
- ALL STORM SEWER MANHOLES IN PAVED AREAS SHALL BE FLUSH WITH PAVEMENT, AND SHALL HAVE TRAFFIC BEARING RINGS & COVERS. MANHOLES IN UNPAVED AREAS SHALL BE 6" ABOVE FINISH GRADE. LIDS SHALL BE LABELED "STORM SEWER".
- THE CONTRACTOR SHALL ADHERE TO ALL TERMS & CONDITIONS AS OUTLINED IN THE GENERAL REGULATIONS POINT AND CITY EROSION CONTROL PERMIT FOR STORMWATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITIES.
- CONTRACTOR SHALL ADJUST AND/OR CUT EXISTING PAVEMENT AS NECESSARY TO ASSURE A SMOOTH FIT AND CONTIGUOUS GRADE.
- CONTRACTOR SHALL ASSURE POSITIVE DRAINAGE AWAY FROM BUILDINGS FOR ALL NATURAL AND PAVED AREAS.
- TOPOGRAPHIC INFORMATION OBTAINED FROM A TOPOGRAPHIC SURVEY BY ROBERT & ASSOCIATES, L.L.C. IF CONTRACTOR DOES NOT ACCEPT EXISTING TOPOGRAPHY AS SHOWN ON THE PLANS, WITHOUT EXCEPTION, HE SHALL OBTAIN HIS OWN TOPOGRAPHIC SURVEY BY A REGISTERED LAND SURVEYOR AND SUBMIT IT TO THE OFFICE FOR REVIEW.
- ALL UNPAVED AREAS ESTABLISHED BY GRADING OPERATIONS SHALL RECEIVE 4 INCHES OF TOPSOIL. CONTRACTOR SHALL EROSION CONTROL FACING TO ALL SLOPES AS INDICATED ON THE EROSION CONTROL PLAN. CONTRACTOR SHALL GRASS DISTURBED AREAS IN ACCORDANCE WITH CITY/COUNTY SPECIFICATIONS UNTIL A HEALTHY STAND OF GRASS IS OBTAINED.
- CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE GOVERNING CODES AND BE CONSTRUCTED TO STAY.
- ALL STORM STRUCTURES SHALL HAVE A SMOOTH UNIFORM Poured Mortar Invert FROM INVERT-IN TO INVERT-OUT.
- CONTRACTOR TO CONTACT THE CITY/COUNTY FIRE DEPARTMENT FOR BLASTING REQUIREMENTS WHERE APPLICABLE OBTAIN IS SPECIFIED ON THE PLAN. THE CONTRACTOR SHALL PROVIDE LOCATING MARKERS NECESSARY TO ACHIEVE THE PROPOSED GRADES SPECIFIED ON THE GRADING PLAN. THE CONTRACTOR SHALL INCLUDE ALL COSTS IN BIDDING.

CONTRACTOR SHALL MAINTAIN EXISTING UTILITIES AND STRUCTURES TO REMAIN UNLESS OTHERWISE NOTED.

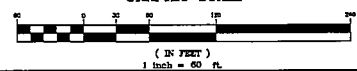
- STRUCTURE TYPE**
- CURB INLET - SEE DETAIL SHEETS
 - MANHOLE - SEE DETAIL SHEETS
 - INTERSECTION BOX - SEE DETAIL SHEETS
 - AREA INLET - SEE DETAIL SHEETS
 - REGULATED - SEE DETAIL SHEETS
 - OUTLET CONTROL STRUCTURE - SEE DETAIL SHEETS
- PIPE TYPE**
- UNLESS A PIPE TYPE MATERIAL IS SPECIFIED IN THE DRAINAGE SCHEDULE, THE CONTRACTOR MAY USE AT HIS DISCRETION ANY OF THE PIPE MATERIALS LISTED AS APPROVED STORM PIPE MATERIALS IN THE SITE GRADING NOTES.

GRADING/DRAINAGE PLAN LEGEND

- STORM SEWER PIPING
- JUNCTION BOX/STORM MANHOLE
- SYPHONIC BREAK MANHOLE
- DRAINAGE STRUCTURE INDICATOR
- DOUBLE WING CATCH BASIN
- SINGLE WING CATCH BASIN
- SLOPE ARROW
- CONCRETE FLUME
- RP-RAP APRON
- PRECAST HEADWALL STRUCTURE
- GOOT STD 1125 ENERGY DISSIPATOR
- CURB INLET (W/ NON-MOUNTABLE HOOD & GRATE) GOOT STD 1019A TYPE "E"
- SINGLE GRATE INLET
- DOUBLE GRATE INLET
- AREA INLET
- OUTLET CONTROL STRUCTURE
- FLARED END SECTION
- TC - TOP OF CURB
- TP - TOP OF PAVEMENT

GRADING PLAN

GRAPHIC SCALE

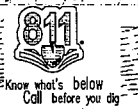


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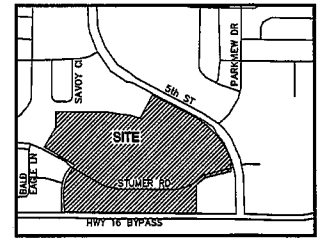
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 OF SHEETS: 8



10PD031

ZONED OFFICE COMMERCIAL



SITE GRADING NOTES

- CONTRACTOR IS RESPONSIBLE FOR DEMOLITION OF EXISTING STRUCTURES INCLUDING REMOVAL OF ANY EXISTING UTILITIES SERVING THE STRUCTURE. UTILITIES ARE TO BE REMOVED TO THE RIGHT-OF-WAY.
- THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF ALL EXISTING UTILITIES (ABOVE OR BELOW GROUND) AS SHOWN ON THESE PLANS ARE APPROXIMATE AND WERE LOCATED BASED ON EITHER VISUAL OBSERVATIONS AT THE SITE, EXISTING SURVEYS AND/OR FROM UTILITY COMPANY RECORDS. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING EXISTING UTILITY LOCATIONS AND DEPTHS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXACT LOCATIONS OF EXISTING UTILITIES (GAS OR SEWER GROUPS) BEFORE BEGINNING ANY CONSTRUCTION. THE CONTRACTOR SHALL CALL THE APPROPRIATE UTILITY COMPANIES AND THE UTILITIES PROTECTION CENTER AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY OWNER AND/OR ENGINEER OF ANY UTILITY CONTACTS WITH THE PROPOSED IMPROVEMENTS SHOWN ON THESE PLANS.
- ALL CUT OR FILL SLOPES SHALL BE 3:1 OR FLATTER UNLESS OTHERWISE NOTED.
- PRECAST STRUCTURES MAY BE USED AT CONTRACTORS OPTION. PRECAST STRUCTURES ARE NOT ALLOWED IN CITY R/W OR EASEMENTS.
- STORM PIPE SHALL BE AS FOLLOWS UNLESS OTHERWISE NOTED:
TYPE 1: RCP PER ASTM C-76, WITH FLEXIBLE PLASTIC BUTTERFLY GASKETS AT JOINTS.
- FILLS UP TO 10' OVER TOP OF PIPE, CLASS II OR GREATER MAY BE USED.
- FILLS 10' OVER TOP OF PIPE, CLASS IV OR GREATER MAY BE USED.
- FILLS GREATER THAN 10' OVER TOP OF PIPE, CLASS V MUST BE USED.
TYPE 2: CORRUGATED POLYETHYLENE PIPE (CPP), SMOOTH INTERIOR WITH EXTERIOR OPEN CORRUGATIONS. PER ASTM M284 MAY BE USED FOR PIPES 4" TO 48" JOINTS SHALL BE WATER TIGHT APPROVED PRODUCTS AND HANGERS 18-24" WITH SURE-LOCK JOINTS, ADS M-12. NOT ALLOWED IN CITY R/W OR EASEMENTS.
- EXISTING DRAINAGE STRUCTURES TO BE INSPECTED AND REPAIRED AS NEEDED, AND EXISTING PIPES TO BE CLEANED OUT TO REMOVE ALL SILT AND DEBRIS.
- EXISTING GRADE CONTOUR SHOWN AT 1 FOOT INTERVALS.
- PROPOSED GRADE CONTOUR SHOWN AT 1 FOOT INTERVALS.
IF ANY EXISTING STRUCTURES TO REMAIN ARE DAMAGED DURING CONSTRUCTION IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO REPAIR AND/OR REPLACE THE DAMAGED STRUCTURE AS NECESSARY TO RETURN IT TO EXISTING CONDITION BEFORE.
- ALL STORM PIPE EXTERIOR STRUCTURES SHALL BE GRouted TO ASSURE CONNECTION AT STRUCTURE IS WATER-TIGHT.
- ALL STORM SEWER MANHOLES IN PAVED AREAS SHALL BE FILLED WITH PAVEMENT, AND SHALL HAVE TRAFFIC BEARING RING & COVERS MANHOLES IN UNPAVED AREAS SHALL BE 4" ABOVE FRESH GRADE. LIDS SHALL BE LABELED "STORM SEWER".
- THE CONTRACTOR SHALL AGREE TO ALL TERMS & CONDITIONS AS OUTLINED IN THE GENERAL N.P.S. PERMIT AND CITY EROSION CONTROL PERMIT FOR STORMWATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITIES.
- CONTRACTOR SHALL ADJUST AND/OR CUT EXISTING PAVEMENT AS NECESSARY TO ASSURE A SMOOTH FIT AND CONTIGUOUS GRADE.
- CONTRACTOR SHALL ASSURE POSITIVE DRAINAGE AWAY FROM BUILDINGS FOR ALL NATURAL AND PAVED AREAS.
- TOPOGRAPHIC INFORMATION TAKEN FROM A TOPOGRAPHIC SURVEY BY ROYNER & ASSOCIATES, L.L.C. IF CONTRACTOR DOES NOT DEEPLY REVEAL TOPOGRAPHY AS SHOWN ON THESE PLANS, WITHOUT EXCEPTION, HE SHALL HAVE MADE, AT HIS EXPENSE, A TOPOGRAPHIC SURVEY BY A REGISTERED LAND SURVEYOR AND SUBMIT IT TO THE OWNER FOR REVIEW.
- ALL UNSURFACED AREAS DISTURBED BY GRADING OPERATION SHALL RECEIVE A INCHES OF TOPSOIL. CONTRACTOR SHALL APPLY STABILIZATION FABRIC TO ALL SLOPES AS INDICATED ON THE EROSION CONTROL PLAN. CONTRACTOR SHALL GRASS DISTURBED AREAS IN ACCORDANCE WITH CITY/COUNTY SPECIFICATIONS UNTIL A HEALTHY STAND OF GRASS IS OBTAINED.
- CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE GOVERNING CODES AND BE CONSTRUCTED TO SAME.
- ALL STORM STRUCTURES SHALL HAVE A SMOOTH UNIFORM POURED MORTAR INVERT FROM INVERT-IN TO INVERT-OUT.
- CONTRACTOR TO CONTACT THE CITY/COUNTY FIRE DEPARTMENT FOR BLASTING REQUIREMENTS, WHERE ASPHALT OVERLAY IS SPECIFIED ON THESE PLANS, THE CONTRACTOR SHALL PROVIDE LEVELING WHERE NECESSARY, TO ACHIEVE THE PROPOSED GRADES SPECIFIED ON THE GRADING PLAN. THE CONTRACTOR SHALL INCLUDE ALL COSTS IN BASE BID.

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE INFORMATION CONTAINED HEREON IS FOR GENERAL INFORMATION ONLY AND DOES NOT CONSTITUTE A GUARANTEE, REPRESENTATION OR WARRANTY OF ANY KIND. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL INFORMATION SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF ST. LOUIS, MISSOURI, AND THE STATE OF MISSOURI. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF ST. LOUIS, MISSOURI, AND THE STATE OF MISSOURI.

STRUCTURE TYPE

- CURB INLET - GOOT STANDARD 1019A TYPE E (SEE DETAIL SHEETS)
- GRATE INLET - SEE "GRATE INLET" DETAIL FOR GRATE TYPE (SEE DETAIL SHEETS)
- JUNCTION BOX - SEE DETAIL SHEETS
- SINGLE WING CATCH BASIN - GOOT STANDARD 10330 (SEE DETAIL SHEETS)
- HEADWALL - SEE DETAIL SHEETS
- OUTLET CONTROL STRUCTURE - SEE DETAIL SHEETS

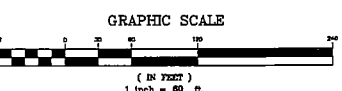
PIPE TYPE

UNLESS A PIPE TYPE MATERIAL IS SPECIFIED IN THE DRAINAGE SCHEDULE, THE CONTRACTOR MAY USE AT HIS DISCRETION ANY OF THE PIPE MATERIALS LISTED AS APPROVED STORM PIPE MATERIALS IN THE SITE GRADING NOTES.

GRADING/DRAINAGE PLAN LEGEND

- STORM SEWER PIPING
- JUNCTION BOX/STORM MANHOLE
 - SIPHONIC BREAK MANHOLE
 - DRAINAGE STRUCTURE INDICATOR
 - DOUBLE WING CATCH BASIN
 - SINGLE WING CATCH BASIN
 - SLOPE ARROW
 - CONCRETE FLUME
 - RP-RAP APRON
 - PRECAST HEADWALL STRUCTURE
 - GOOT STD 1123 ENERGY DISSIPATER
 - CURB INLET (W/ NON-MOUNTABLE WOOD & GRATE) GOOT STD 1019A TYPE "E"
 - SINGLE GRATE INLET
 - DOUBLE GRATE INLET
 - AREA INLET
 - OUTLET CONTROL STRUCTURE
 - FLARED END SECTION
 - TC = TOP OF CURB
 - TP = TOP OF PAVEMENT

GRADING PLAN

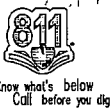


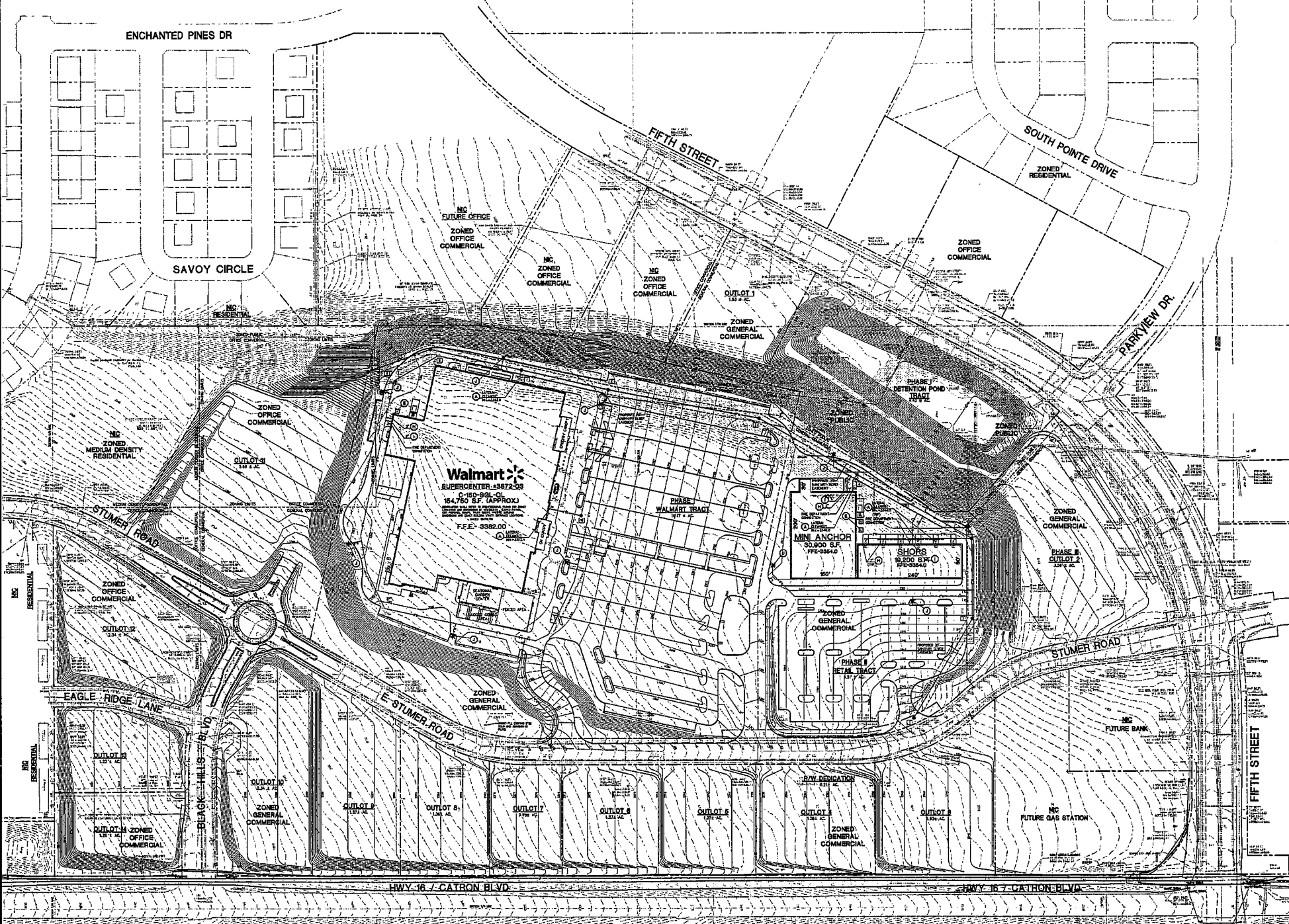
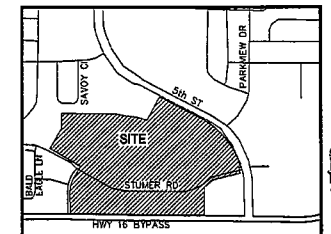
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PROPOSED BLACK HILLS CENTER
Walmart SUPERCENTER #3872-03
RAPID CITY, PENNINGTON COUNTY, S.D.
BY: THF, STONERIDGE DEVELOPMENT, LLC
ST. LOUIS, MO

REVISIONS	BY

DRAWN BY DMN
CHECKED BY KJW
DATE 03/22/2010
SCALE 1" = 60'
JOB NO. 08-140
SHEET NUMBER
C-2B
OF SHEETS





SITE UTILITY NOTES

- ALL FIELD MATERIAL IS TO BE IN PLACE AND COMPACTED BEFORE INSTALLATION OF PROPOSED UTILITIES.
- CONTRACTOR SHALL NOTIFY THE UTILITY AUTHORITIES INSPECTORS 72 HOURS BEFORE CONNECTING TO ANY EXISTING LINE.
- SANITARY SEWER PIPE SHALL BE AS FOLLOWS:
 - 8" PVC SDR35 PIPE ASTM D 3034, FOR PIPES LESS THAN 12' DEEP
 - 8" PVC SDR35 PIPE ASTM D 3034, FOR PIPES MORE THAN 12' DEEP
 - 6" PVC SDR35 PIPE ASTM D 3034
 - DUCTILE IRON PIPE FOR ANNA C150
- WATER LINES SHALL BE AS FOLLOWS:
 - PIPE SIZES LESS THAN 4-INCHES THAT ARE INSTALLED BELOW GRADE AND OUTSIDE BUILDING SHALL COMPLY WITH ONE OR A COMBINATION OF THE FOLLOWING:
 - 1. SEAMLESS COPPER TUBING, TYPE "K" SOFT COPPER, ASTM B 88
 - 2. FITTINGS: WROUGHT COPPER (63-5 TH ANTIKNOT SOLDER JOINT), ASME B 16.22
 - PIPE SIZES 4-INCHES TO 4-INCHES THAT ARE INSTALLED BELOW GRADE AND OUTSIDE BUILDING SHALL COMPLY WITH ONE OR A COMBINATION OF THE FOLLOWING:
 - 1. DUCTILE IRON WATER PIPE: ANNA C151, PRESSURE CLASS 300
 - 2. FITTINGS: EITHER MECHANICAL JOINT OR PUSH-ON JOINT, ANNA C110 OR ANNA C111
 - 3. ELASTOMERIC GASKETS AND LUBRICANTS: ASTM - F477
 - 4. POLYETHYLENE GLYCOLIC (PE) WATER PIPE: PIPE ANNA 6000, RATED OR 18 (CLASS 150), CONTINUALLY MARKED AS REQUIRED
 - 5. ELASTOMERIC GASKETS AND LUBRICANTS: ASTM - F477 FOR SMALLER
 - 6. PIPE JOINTS: INTEGRALLY MOLDED BELL ENDS, ASTM D
 - PIPE SIZES 4-INCHES AND LARGER THAT ARE INSTALLED BELOW GRADE AND OUTSIDE BUILDING SHALL COMPLY WITH THE FOLLOWING:
 - 1. DUCTILE IRON WATER PIPE: ANNA C111, THICKNESS PRESSURE CLASS 350
 - 2. FITTINGS: EITHER MECHANICAL JOINT OR PUSH-ON JOINT, ANNA C110 OR ANNA C111
 - 3. ELASTOMERIC GASKETS AND LUBRICANTS: ASTM - F477
- MINIMUM COVER SHALL BE 2 FEET.
- ALL WATER JOINTS ARE TO BE MECHANICAL JOINTS WITH THRUST BLOCKING AS CALLED OUT IN SPECIFICATIONS.
- ALL UTILITY CROSSINGS SHALL CONFORM TO SECTIONS 8.3.0 AND 8.3.0.0 OF THE RAPID CITY INFRASTRUCTURE DESIGN CRITERIA.
- CONTRACTOR SHALL MAINTAIN A MINIMUM OF 4'-0" COVER ON ALL WATERLINES. IN THE EVENT OF A VERTICAL CONFLICT BETWEEN WATERLINES, SANITARY LINES, STORM LINES AND GAS LINES (EXISTING AND PROPOSED), THE SANITARY LINE SHALL BE DELETED FROM PIPE WITH MECHANICAL JOINTS AT LEAST 12 FEET ON BOTH SIDES OF CROSSING, THE WATERLINE SHALL HAVE MECHANICAL JOINTS WITH APPROPRIATE THRUST BLOCKING AS REQUIRED TO PROVIDE A MINIMUM OF 18" CLEARANCE MEETING REQUIREMENTS OF ANSI A21.10 OR ANSI 21.31 (ANNA D-15) (CLASS 80).
- ALL UNDERGROUND LINES SHALL BE INSTALLED, INSPECTED AND APPROVED BEFORE BACKFILLING.
- TYPES OF EXISTING MANHOLES SHALL BE MARKED AS NECESSARY TO BE FURNISH WITH PROPOSED ELEVATIONS, AND TO BE ONE FOOT ABOVE FINISHED GROUND ELEVATIONS WITH WATER TIGHT LIDS.
- ALL CONCRETE FOR ENCASUREMENTS SHALL HAVE A MINIMUM 28 DAY COMPRESSION STRENGTH AT 3000 P.S.I.
- DRAWINGS DO NOT PURPORT TO SHOW ALL EXISTING UTILITIES.
- COSTING UTILITIES SHALL BE VERIFIED IN FIELD PRIOR TO INSTALLATION OF ANY NEW LINES.
- REFER TO WETLAND PLANNING DRAWINGS FOR T.E.M. OF ALL UTILITIES.
- CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH THE SPECIFICATIONS OF THE LOCAL AUTHORITIES WITH REGARD TO MATERIALS AND INSTALLATION OF THE WATER AND SEWER LINES.
- ALL NECESSARY INSPECTIONS AND/OR CORRECTIONS REQUIRED BY CODE AND/OR UTILITY SERVICE COMPANIES SHALL BE PERFORMED PRIOR TO ANNOUNCED BUILDING POSSESSION AND THE FINAL CONNECTION OF SERVICE.
- CONTRACTOR SHALL COORDINATE WITH ALL UTILITY COMPANIES FOR INSTALLATION REQUIREMENTS AND SPECIFICATIONS.
- CONTRACTOR TO PROVIDE TRENCHING, CONDUIT, PULL WIRE AND BACKFILL FOR TELEPHONE AND ELECTRIC LINES.
- THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING THE EXACT LOCATION, SIZE, AND MATERIAL OF ANY EXISTING WATER OR SEWER FACILITY PROVIDED FOR CONNECTION OR USE BY THIS PROJECT. THE RELOCATION OF ANY WATER/SEWER FACILITY REQUIRED TO AVOID ANY PART OF THIS DEVELOPMENT IS THE RESPONSIBILITY OF THE DEVELOPER.
- ALL CONSTRUCTION TO CONFORM TO APPLICABLE CITY/COUNTY SPECIFICATIONS AND IN ACCORDANCE WITH CITY/COUNTY ORDINANCES.
- TRENCHES OF 30 FEET OR GREATER DEPTHS REQUIRING SHIELDING DESIGN TO BE COVERED BY A PROFESSIONAL ENGINEER. DESIGN SAFETY REQUIREMENTS WILL BE STRICTLY ENFORCED. CONTRACTOR TO MEET OR EXCEED ALL OSHA STANDARDS.
- REFER TO ARCHITECTURAL PLANS FOR SITE LIGHTING AND ELECTRICAL PLANS.
- SEE CONDUIT FOR FIBER OPTIC CABLES SPECIFICATION (THIS SHEET) FOR CONDUIT REQUIREMENTS TO THE FUTURE LEASE LOT.

UTILITY PLAN LEGEND

- UGE — ELECTRICAL CONDUIT
- UGT — TELEPHONE CONDUIT
- 8"SS — SANITARY SEWER PIPE
- 8"W — WATER MAIN PIPE
- 3"W — DOMESTIC WATER PIPING
- GAS — GAS PIPE
- TS — TAMPER SWITCH CONDUIT
- ⊕ — TAPPING SLEEVE & VALVE
- ⊕ — WATER VALVE
- ⊕ — FIRE HYDRANT
- ⊕ — THRUST BLOCK
- ⊕ — SANITARY SEWER MANHOLE
- ⊕ — POWER POLE
- ⊕ — GAS METER

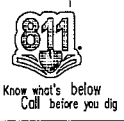
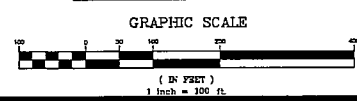
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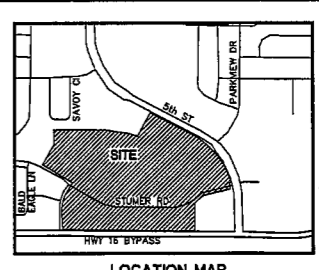
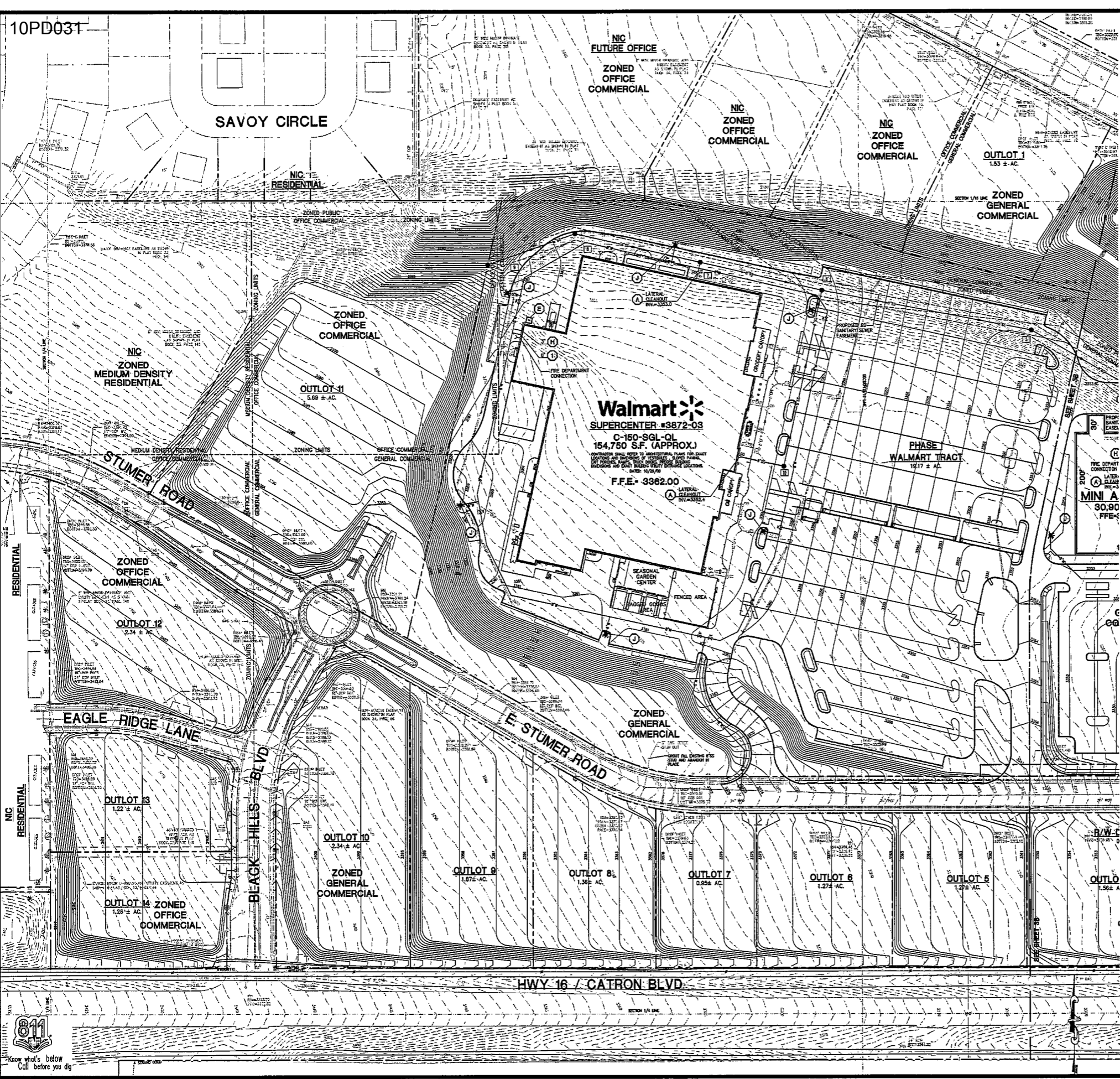
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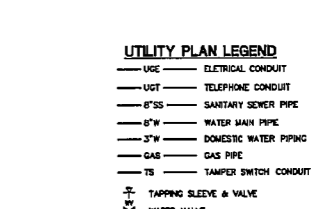
OVERALL UTILITY PLAN





LOCATION MAP NOT TO SCALE

- ### UTILITY LEGEND
- (A) SANITARY SEWER LATERAL AT MINIMUM 1% SLOPE, COORDINATE WITH ARCHITECTURAL PLANS.
 - (B) GAS ENTRY WITH GAS METER AT BUILDING, CONTRACTOR RESPONSIBLE FOR INSTALLING PIPE BOLLARD PROTECTION AT METER, CONTRACTOR SHALL COORDINATE WITH GAS COMPANY FOR TYPING OF MECHANICAL VENTS.
 - (C) CONTRACTOR IS RESPONSIBLE FOR COORDINATION WITH GAS COMPANY REGARDING THE SIZE AND INSTALLATION OF GAS SERVICE LINE.
 - (D) UNDERGROUND ELECTRIC SERVICE FROM POLE TO BUILDING, CONTRACTOR IS RESPONSIBLE FOR ALL TRENCHING, BEDDING, CONDUIT, CABLE, FILL, MIN. SECONDARY CONDUCTORS, TRAPEZOIDAL TRAPEZOIDAL, ETC. WHICH MAY BE REQUIRED BY ELECTRIC COMPANY. CONTRACTOR SHALL COORDINATE SAID WORK WITH UTILITY COMPANIES. THE CONTRACTOR IN CONJUNCTION WITH THE UTILITY COMPANIES SHALL DETERMINE THE AMOUNT OF UTILITY LINE HE IS TO PROVIDE OUTSIDE THE UTILITY COMPANIES' ALLOWANCE.
 - (E) PROPOSED LOCATION OF TRANSFORMER PANEL CONTRIBUTOR TO DETERMINE EXACT LOCATION AND SIZE WITH POWER COMPANY PRIOR TO INSTALLATION. CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLATION OF CONCRETE PAD, CONDUIT AND FIRE COLLARS AS REQUIRED BY THE ELECTRIC COMPANY. CONTRACTOR SHALL COORDINATE SAID WORK WITH THE ELECTRIC COMPANY.
 - (F) UNDERGROUND TELEPHONE FROM POLE TO BUILDING TO BE EXTENDED BY TELEPHONE COMPANY. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY TRENCHING, BEDDING, CONDUIT, FILL, MIN. TRAPEZOIDAL TRAPEZOIDAL, ETC. WHICH MAY BE REQUIRED BY TELEPHONE COMPANY. CONTRACTOR SHALL COORDINATE WITH TELEPHONE COMPANY FOR SAID WORK. PROVIDE CONDUITS AS SHOWN.
 - (G) CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH THE UTILITY COMPANIES FOR THE INSTALLATION OF OVERHEAD/UNDERGROUND ELECTRIC AND TELEPHONE LINES. TYPICAL CONTRACTOR SHALL COORDINATE THE TYPING OF MECHANICAL VENTS WITH THE ELECTRIC COMPANY. SEE NOTE D, E & F FOR ADDITIONAL NOTES PERTAINING TO ELECTRIC AND TELEPHONE LINES.
 - (H) DOMESTIC WATER ENTRY WITH METER PER LOCAL WATER COMPANY REQUIREMENTS. CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING ANY APPURTENANCES ON THE CONCRETE PAD IN SUE BLEND SUCH AS BACKFLOW PREVENTION DEVICES, GATE VALVES, ETC. WHICH MAY BE REQUIRED TO COORDINATE WITH WATER COMPANY.
 - (I) SPRINKLER ENTRY, CONTRACTOR SHALL BE REQUIRED TO INSTALL ANY APPURTENANCES ON THE SPRINKLER LINE SUCH AS, BUT NOT LIMITED TO, A WATER DETECTOR, BACKFLOW PREVENTION DEVICE, IN SERIES WITH A CHECK VALVE, GATE VALVE, ETC. MEETING WATER COMPANY SPECIFICATIONS. CONTRACTOR SHALL COORDINATE WITH ARCHITECTURAL PLANS.
 - (J) PROPOSED FIRE HYDRANT, AND ASSEMBLY, TYPICAL AS SHOWN. CONTRACTOR TO PROVIDE FIRE BOLLARD PROTECTION WHEN FIRE HYDRANT IS LOCATED IN PAVED AREA OR WHERE SHOWN.
 - (K) CONDUIT FOR FIBER OPTIC CABLES.
- CONDUIT SHALL BE 2" DIAMETER CARBON TYPE "DR" DIRECT BURIAL TELEPHONE DUCT OR 2" SCHEDULE 40 PIVC INSTALL GALVANIZED PULL WIRE OR PURPLE POLYPROPYLENE ROPE WITH A MINIMUM PULLING TENSION OF 100 POUNDS. THE MINIMUM BURIAL DEPTH SHALL BE 2'-0". INSTALL AN ORANGE DETECTABLE HAZARD TAPE WITH INTEGRAL "BURIED FIBER OPTIC CABLE" WORKING 12" ABOVE CONDUIT. ALL CHANGES IN DIRECTION OF THE CONDUIT WILL REQUIRE LONG FACTORY SHEEPS (NOT STANDARD SHEEPS) WITH RADII NOT LESS THAN 10 TIMES THE DIAMETER OF THE CONDUIT. NO MORE THAN TWO 90° BENDS WILL BE ALLOWED BETWEEN PULLING POINTS. ON A TOTAL OF 180° COMBINED IN SEVERAL BENDS, PULL BOXES SHALL BE LOCATED EVERY 450 FEET UNLESS THE COMBINED TOTAL OF BENDS REQUIRES ADDITIONAL BENDS. CONDUITS SHOULD ENTER AND EXIT THE PULL BOXES 180° APART.
- PULL BOXES:
ALL PULL BOXES LOCATED IN PAVED AREAS SUBJECT TO TRUCK TRAFFIC SHALL BE 14"-20" LOAD RATED. THE TYPICAL PULL BOX SIZE WILL BE 18"X30"X18" DEEPER BOXES MAY BE REQUIRED WHEN THE CONDUIT ALIGNMENT IS AFFECTED BY OTHER UTILITIES. THE PULL BOX SHALL BE INSTALLED PER THE MANUFACTURER'S SPECIFICATIONS WITH A CONCRETE COLLAR AND A MINIMUM OF 4" OF GRAVEL COMPACTED PER PROJECT SPECIFICATIONS. IF USING A PULL BOX TO CHANGE DIRECTION, THE MINIMUM BOX SIZE SHALL BE 46"X40" PRECAST CONCRETE WITH SEPARATE MANHOLE AND COLLAR. BUILDING ENTRANCE.
A PULL BOX SHALL BE LOCATED AS CLOSE TO THE BUILDING AS POSSIBLE, WITH A SNEEZ BARRIER THE VERTICAL, 30" IN THE STREET.
- CONDUIT FOR FIBER OPTIC CABLES, SECURITY CAMERAS:
A PULL BOX SHALL BE LOCATED WITHIN THE SEVERAL AREA OR AS CLOSE TO THE BUILDING AS POSSIBLE. THE CONDUIT FROM THE BUILDING TO THE FIRST PULL BOX SHALL BE 3" DIAMETER CARBON TYPE "DR" DIRECT BURIAL TELEPHONE DUCT OR 2" SCHEDULE 40 PIVC. INSTALL GALVANIZED PULL WIRE OR PURPLE POLYPROPYLENE ROPE WITH A MINIMUM PULLING TENSION OF 100 POUNDS. THE MINIMUM BURIAL DEPTH SHALL BE 2'-0". INSTALL AN ORANGE DETECTABLE HAZARD TAPE WITH INTEGRAL "BURIED CABLE WORKING 12" ABOVE CONDUIT. WHEN THE SECURITY CAMERA LIGHT POLES ARE LOCATED FURTHER THAN 40 FEET FROM THE FIRST PULL BOX, WHICH IS NEAR TO THE BUILDING, EXTEND THE 3" CONDUIT FROM THE FIRST PULL BOX TO A SECOND PULL BOX. EACH SECURITY CAMERA LIGHT POLE SHALL HAVE A DEDICATED 2" CONDUIT FROM THE NEAREST PAVED AREA PULL BOX TO THE LIGHT POLE. AT EACH ACTION BOX, THE CONDUIT SHALL BE CARBON TYPE "DR" DIRECT BURIAL TELEPHONE DUCT OR SCHEDULE 40 PIVC. INSTALL GALVANIZED PULL WIRE OR PURPLE POLYPROPYLENE ROPE WITH A MINIMUM PULLING TENSION OF 100 POUNDS. THE MINIMUM BURIAL DEPTH SHALL BE 2'-0". INSTALL AN ORANGE DETECTABLE HAZARD TAPE WITH INTEGRAL "BURIED CABLE WORKING 12" ABOVE CONDUIT. THE 2" UP CAMERA CONDUIT SHALL BE SEPARATED FROM THE "SECURITY CAMERA" CONDUIT BY A DIVIDER PLACED IN THE LIGHT POLE BASE JOINTION BOX.
- ALL CHANGES IN DIRECTION OF THE CONDUIT SHALL UTILIZE STANDARD SHEEPS WITH A MINIMUM BENDING RADIUS LISTED IN THE MFG. NO MORE THAN (2) 90-DEGREE BENDS MAY BE ALLOWED BETWEEN PULLING POINTS. ON A TOTAL OF 180 DEGREES COMBINED IN SEVERAL BENDS, PULL BOXES SHALL BE LOCATED EVERY 450 FEET UNLESS THE COMBINED TOTAL OF BENDS REQUIRES ADDITIONAL BENDS.
- ALL PULL BOXES LOCATED IN PAVED AREAS SUBJECT TO TRUCK TRAFFIC SHALL BE 14"-20" LOAD RATED. THE TYPICAL PULL BOX SIZE WILL BE 17" X 20" X 20" "OMAZITE" PORTLAND CEMENT WITH PORTLAND LEO OR APPROVED EQUAL DEEPER BOXES MAY BE REQUIRED WHEN THE CONDUIT ALIGNMENT IS AFFECTED BY OTHER UTILITIES. THE PULL BOX SHALL BE INSTALLED PER THE MANUFACTURER'S SPECIFICATION WITH A CONCRETE COLLAR AND A MINIMUM OF 4" OF GRAVEL COMPACTED PER PROJECT SPECIFICATIONS. UTILITY BOLLARD: SEE INSET ON THIS SHEET.



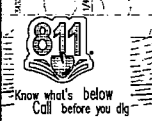
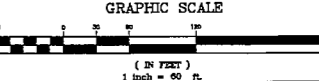
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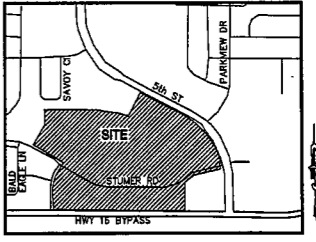
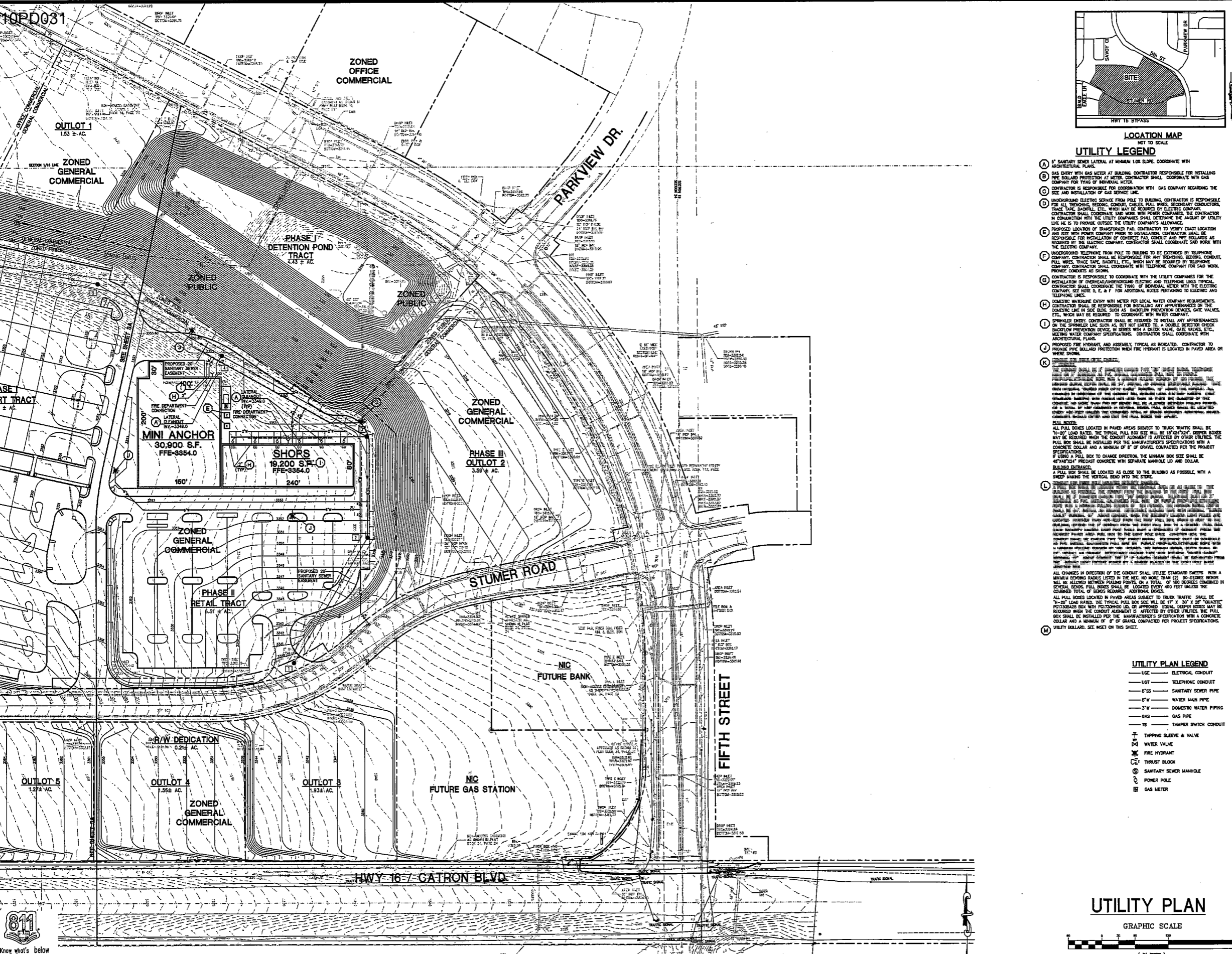
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Walmart Supercenter #3872-03
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 BY: THF, STONERIDGE DEVELOPMENT, LLC
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UTILITY PLAN





LOCATION MAP
NOT TO SCALE

UTILITY LEGEND

- A SANITARY SEWER LATERAL AT MINIMUM SLOPE, COORDINATE WITH ARCHITECTURAL PLANS.
 - B GAS ENTRY WITH GAS METER AT BUILDING. CONTRACTOR RESPONSIBLE FOR INSTALLING PIPE BOLLARD PROTECTION AT METER. CONTRACTOR SHALL COORDINATE WITH GAS COMPANY FOR TYPING OF INDIVIDUAL METER.
 - C CONTRACTOR IS RESPONSIBLE FOR COORDINATION WITH GAS COMPANY REGARDING THE SIZE AND INSTALLATION OF GAS SERVICE LINE.
 - D UNDERGROUND ELECTRIC SERVICE FROM POLE TO BUILDING. CONTRACTOR IS RESPONSIBLE FOR ALL TRENCHING, BEDDING, CONDUIT, CABLES, PULL WIRES, SECONDARY CONDUCTORS, TRACE TAPE, BOLLARD, ETC. WHICH MAY BE REQUIRED BY THE UTILITY COMPANY. CONTRACTOR SHALL COORDINATE SAME WORK WITH POWER COMPANIES. THE CONTRACTOR IN CONSULTATION WITH THE UTILITY COMPANIES SHALL DETERMINE THE AMOUNT OF UTILITY LINE HE IS TO PROVIDE OUTSIDE THE UTILITY COMPANIES ALLOWANCE.
 - E PROPOSED LOCATION OF TRANSFORMER PAD. CONTRACTOR TO VERIFY EXACT LOCATION AND SIZE WITH POWER COMPANY PRIOR TO INSTALLATION. CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLATION OF CONCRETE PAD, CONDUIT AND PIPE BOLLARDS AS REQUIRED BY THE ELECTRIC COMPANY. CONTRACTOR SHALL COORDINATE SAME WORK WITH THE ELECTRIC COMPANY.
 - F UNDERGROUND TELEPHONE FROM POLE TO BUILDING TO BE EXTENDED BY TELEPHONE COMPANY. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY TRENCHING, BEDDING, CONDUIT, PULL WIRES, TRACE TAPE, BOLLARD, ETC. WHICH MAY BE REQUIRED BY TELEPHONE COMPANY. CONTRACTOR SHALL COORDINATE WITH TELEPHONE COMPANY FOR SAME WORK. PROVIDE CONDUITS AS SHOWN.
 - G CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH THE UTILITY COMPANIES FOR THE INSTALLATION OF OVERHEAD UNDERGROUND ELECTRIC AND TELEPHONE LINES. TYPICAL CONTRACTOR SHALL COORDINATE THE TYPING OF INDIVIDUAL METER WITH THE ELECTRIC COMPANY. SEE NOTE D, E & F FOR ADDITIONAL NOTES PERTAINING TO ELECTRIC AND TELEPHONE LINES.
 - H DOMESTIC WATERLINE ENTRY WITH METER PER LOCAL WATER COMPANY REQUIREMENTS. CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING ANY APPURTENANCES ON THE DOMESTIC LINE IN SIZE BOLD, SUCH AS BACKFLOW PREVENTION DEVICES, GATE VALVES, ETC. WHICH MAY BE REQUIRED TO COORDINATE WITH WATER COMPANY.
 - I SPRINKLER ENTRY. CONTRACTOR SHALL BE REQUIRED TO INSTALL ANY APPURTENANCES ON THE SPRINKLER LINE SUCH AS, BUT NOT LIMITED TO, A DOUBLE DETECTOR CHECK BACKFLOW PREVENTION DEVICE IN SERIES WITH A CHECK GATE VALVE, ETC. MEETING WATER COMPANY SPECIFICATIONS. CONTRACTOR SHALL COORDINATE WITH ARCHITECTURAL PLANS.
 - J PROPOSED FIRE HYDRANT, AND ASSEMBLY, TYPICAL AS INDICATED. CONTRACTOR TO PROVIDE PIPE BOLLARD PROTECTION WHEN FIRE HYDRANT IS LOCATED IN PAVED AREA OR WEDGE. SHOWN.
 - K CONTRACTOR TO PROVIDE BOLLARD PROTECTION.
- BOLLARD PROTECTION:**
ALL PULL BOXES LOCATED IN PAVED AREAS SUBJECT TO TRUCK TRAFFIC SHALL BE "H-20" LOAD RATED. THE TYPICAL PULL BOX SIZE SHALL BE 18" DIA. X 24" DEEP. BOXES MAY BE REQUIRED WHEN THE CONDUIT ALIGNMENT IS AFFECTED BY OTHER UTILITIES. THE PULL BOX SHALL BE INSTALLED PER THE MANUFACTURER'S SPECIFICATIONS WITH A CONCRETE COLLAR AND A MINIMUM OF 6" OF GRAVEL COMPACTED PER THE PROJECT SPECIFICATIONS.
IF USING A PULL BOX TO CHANGE DIRECTION OF THE CONDUIT, THE PULL BOX SHALL BE 48" DIA. X 24" PRECAST CONCRETE WITH SEPARATE MANHOLE LID AND COLLAR.
- BUILDING ENTRANCE:**
A PULL BOX SHALL BE LOCATED AS CLOSE TO THE BUILDING AS POSSIBLE, WITH A SLOPE INDICATING THE DIRECTION OF THE CONDUIT INTO THE BUILDING.
- BOLLARD PROTECTION:**
CONTRACTOR SHALL PROVIDE BOLLARD PROTECTION AT ALL METER AND VALVE LOCATIONS IN PAVED AREAS. BOLLARD SHALL BE "H-20" LOAD RATED. BOLLARD SHALL BE 18" DIA. X 24" DEEP. BOLLARD SHALL BE INSTALLED PER THE MANUFACTURER'S SPECIFICATIONS WITH A CONCRETE COLLAR AND A MINIMUM OF 6" OF GRAVEL COMPACTED PER THE PROJECT SPECIFICATIONS.
- BOLLARD PROTECTION:**
CONTRACTOR SHALL PROVIDE BOLLARD PROTECTION AT ALL METER AND VALVE LOCATIONS IN PAVED AREAS. BOLLARD SHALL BE "H-20" LOAD RATED. BOLLARD SHALL BE 18" DIA. X 24" DEEP. BOLLARD SHALL BE INSTALLED PER THE MANUFACTURER'S SPECIFICATIONS WITH A CONCRETE COLLAR AND A MINIMUM OF 6" OF GRAVEL COMPACTED PER THE PROJECT SPECIFICATIONS.
- STANDARD SWEEPERS:**
ALL CHANGES IN DIRECTION OF THE CONDUIT SHALL UTILIZE STANDARD SWEEPERS WITH A MINIMUM BENDING RADIUS LISTED IN THE NEC. NO MORE THAN (2) 90-DEGREE BENDS WILL BE ALLOWED BETWEEN PULLING POINTS OR A TOTAL OF 180 DEGREES COMBINED IN SEVERAL BENDS. PULL BOXES SHALL BE LOCATED EVERY 400 FEET UNLESS THE COMBINED TOTAL OF BENDS REQUIRES ADDITIONAL BOXES.
- ALL PULL BOXES:**
ALL PULL BOXES LOCATED IN PAVED AREAS SUBJECT TO TRUCK TRAFFIC SHALL BE "H-20" LOAD RATED. THE TYPICAL PULL BOX SIZE SHALL BE 18" X 30" X 24" (DIA. X DEPTH X BOX WITH HOISTING HOOD, OR APPROVED EQUAL DEPTH BOXES MAY BE REQUIRED WHEN THE CONDUIT ALIGNMENT IS AFFECTED BY OTHER UTILITIES. THE PULL BOX SHALL BE INSTALLED PER THE MANUFACTURER'S SPECIFICATION WITH A CONCRETE COLLAR AND A MINIMUM OF 6" OF GRAVEL COMPACTED PER PROJECT SPECIFICATIONS. UTILITY BOLLARD. SEE SHEET ON THIS SHEET.

UTILITY PLAN LEGEND

- UGE — ELECTRICAL CONDUIT
- UCT — TELEPHONE CONDUIT
- SSS — SANITARY SEWER PIPE
- WMP — WATER MAIN PIPE
- DWPP — DOMESTIC WATER PIPING
- GP — GAS PIPE
- TS — TAMPER SWITCH CONDUIT
- + TAPPING SLEEVE & VALVE
- WV WATER VALVE
- ⊕ FIRE HYDRANT
- ⊖ THRUST BLOCK
- ⊙ SANITARY SEWER MANHOLE
- ⊕ POWER POLE
- ⊕ GAS METER

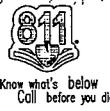
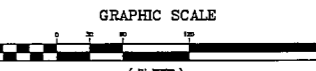
Wolverton & Associates
Consulting Engineers + Land Surveyors
8748 Saguaro Parkway - Suite 300 - Phoenix, Arizona 85028
Phone: (602) 441-1100
www.wolvertonassoc.com

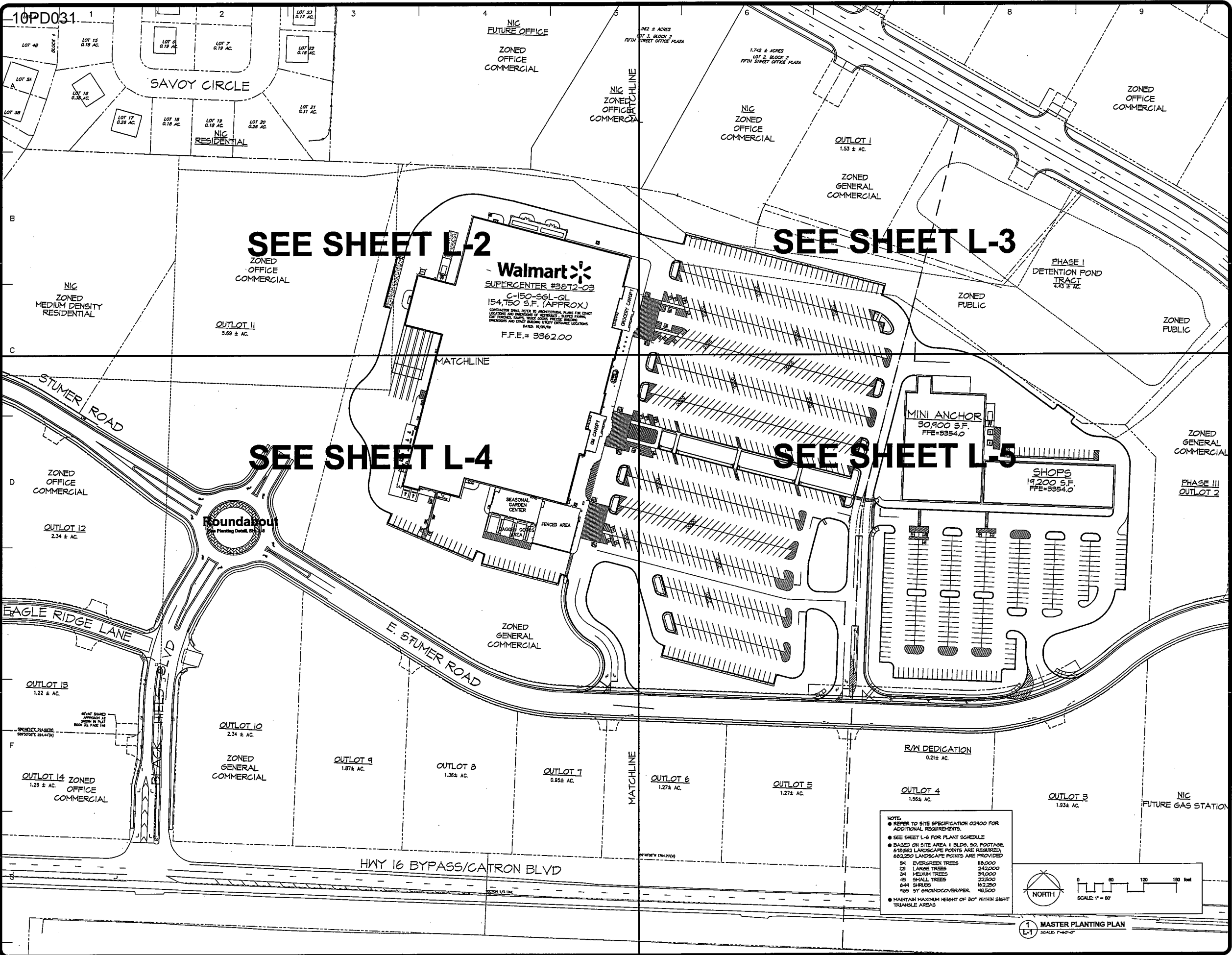
PROPOSED BLACK HILLS CENTER
Walmart SUPERCENTER #3872-03
RAPID CITY, PENNINGTON COUNTY, S.D.
BY: THF, STONERIDGE DEVELOPMENT, LLC
ST. LOUIS, MO

REVISIONS	BY

DRAWN BY: DMN
CHECKED BY: KJW
DATE: 08/22/2010
SCALE: 1" = 60'
JOB NO.: 08-140
SHEET NUMBER: C-3B
OF SHEETS: 8

UTILITY PLAN





SEE SHEET L-2

SEE SHEET L-3

SEE SHEET L-4

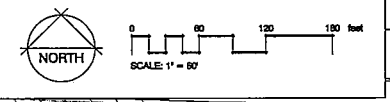
SEE SHEET L-5

NOTE:

- REFER TO SITE SPECIFICATION 02400 FOR ADDITIONAL REQUIREMENTS.
- SEE SHEET L-6 FOR PLANT SCHEDULE
- BASED ON SITE AREA & BLDG. SQ. FOOTAGE, 678,252 LANDSCAPE POINTS ARE REQUIRED; 682,250 LANDSCAPE POINTS ARE PROVIDED

54	EVERGREEN TREES	110,000
120	LARGE TREES	242,000
54	MEDIUM TREES	34,000
45	SMALL TREES	22,500
648	SHRUBS	162,250
925	5" ST. GRASS/COVERPER.	68,500

- MAINTAIN MAXIMUM HEIGHT OF 30' WITHIN SIGHT TRIANGLE AREAS



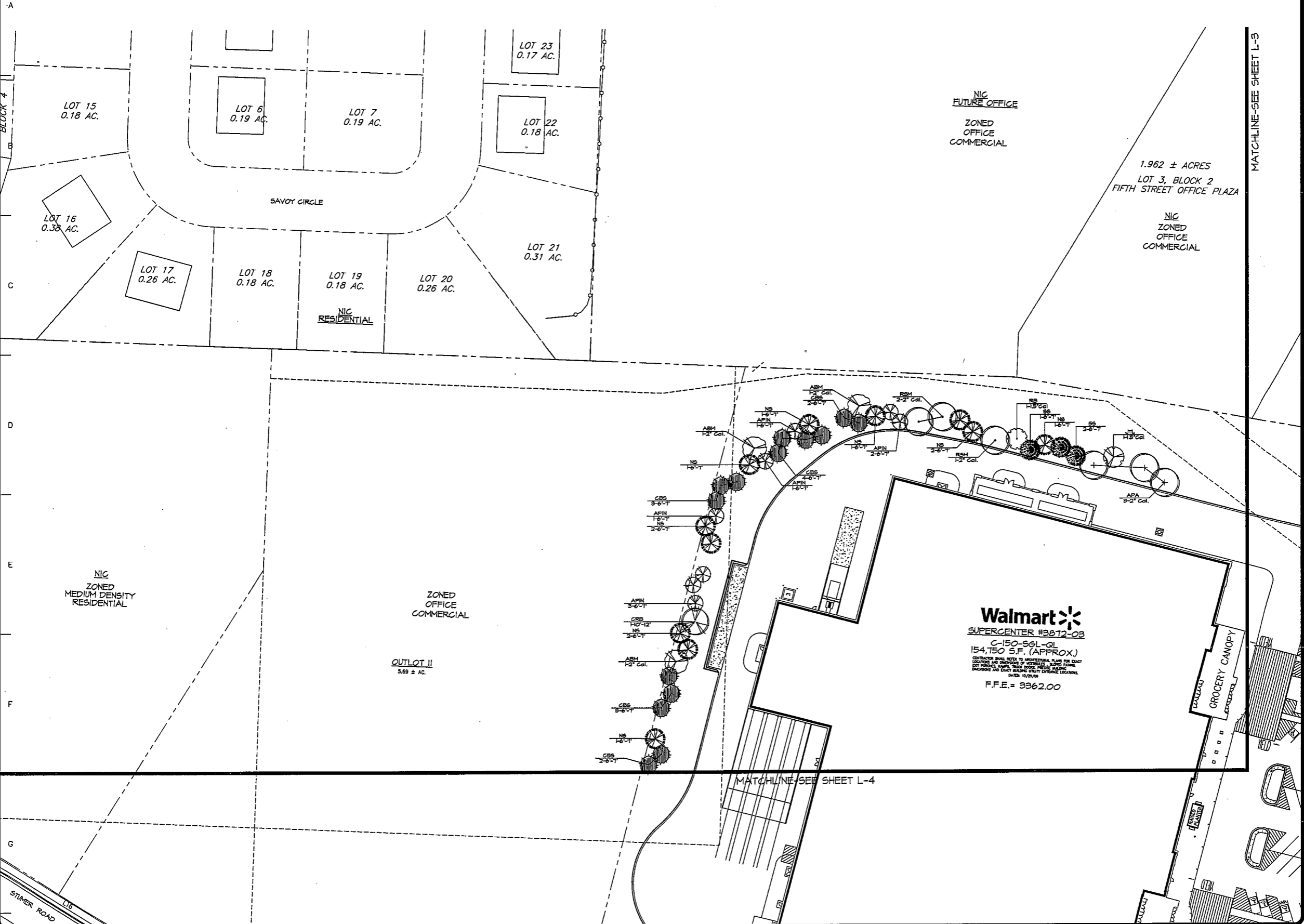
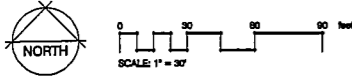
MASTER PLANTING PLAN
SCALE: 1" = 60'

REVISIONS	BY

landscape TECHNOLOGIES
 (605) 438-1200
 51 Jacobs Creek Drive
 St. Charles, Missouri 63041
 Fax: (605) 438-1200

PRELIMINARY PLANTING PLAN FOR THE PROPOSED
Black Hills Center
WAL-MART #3872-03
RAPID CITY, PENNINGTON COUNTY, SOUTH DAKOTA

DRAWN R. HARRIS
CHECKED RHH/B
DATE 3/7/10
SCALE 1"=60'-0"
JOB NO. 2010-106
SHEET L-1
OF SEVEN SHEETS

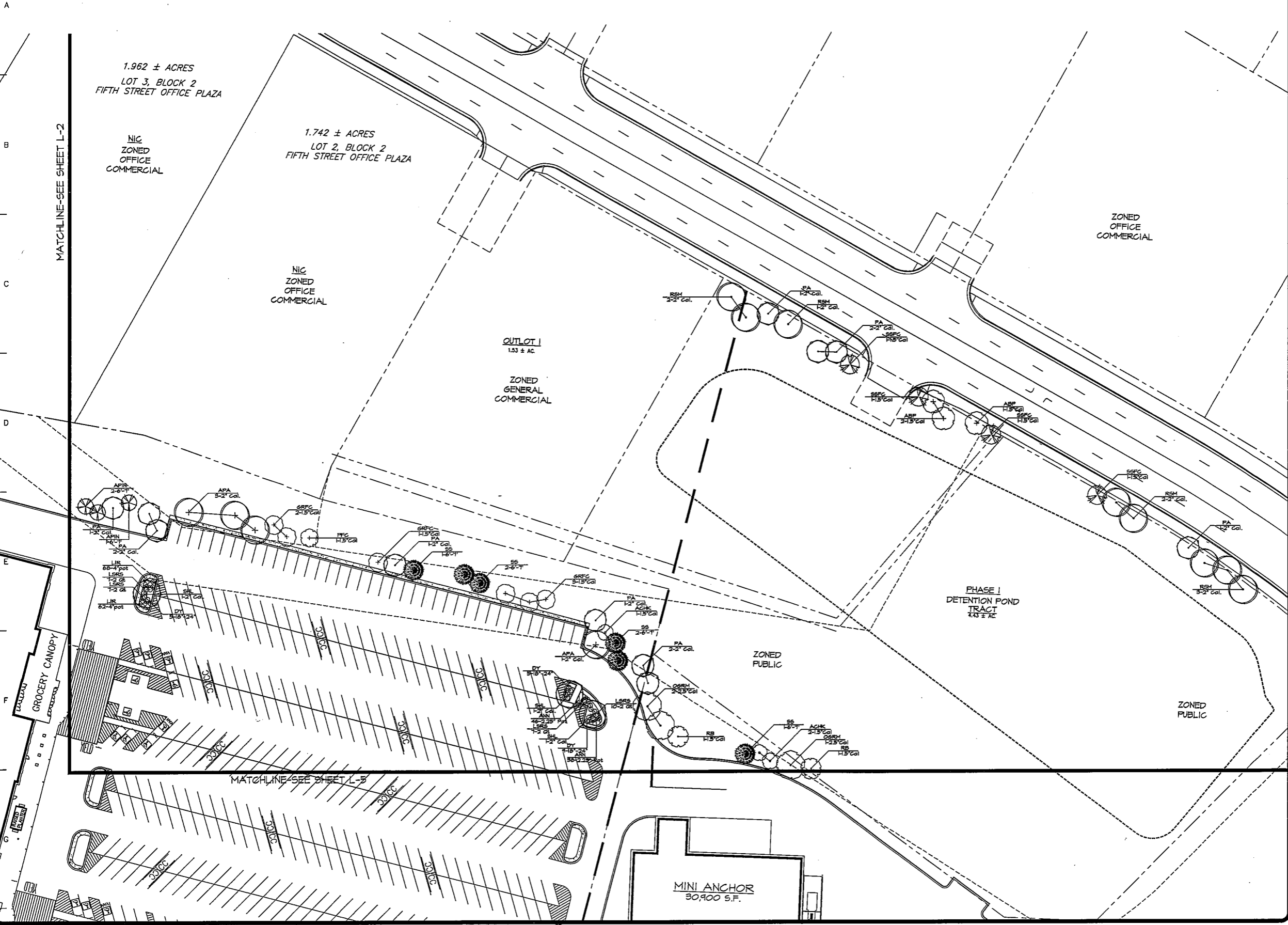
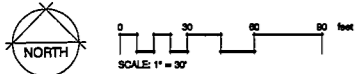


REVISIONS	BY

landscape TECHNOLOGIES
 1015 Jackson Creek Drive
 Rapid City, South Dakota 57701
 Phone: (605) 328-1488
 Fax: (605) 328-1483

PRELIMINARY PLANTING PLAN FOR THE PROPOSED
Black Hills Center
 WAL-MART #3872-03
 RAPID CITY, PENNINGTON COUNTY, SOUTH DAKOTA

DRAWN	R. HARDSIS
CHECKED	R.H.H./S.B.
DATE	3/14/10
SCALE	1"=50'-0"
JOB NO.	2010-106
SHEET	L-2
OF SEVEN SHEETS	



REVISIONS	BY



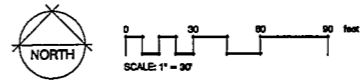
PRELIMINARY PLANTING PLAN FOR THE PROPOSED
Black Hills Center
 WAL-MART #3872-03
 RAPID CITY, PENNINGTON COUNTY, SOUTH DAKOTA

DRAWN R. HARRIS
CHECKED RHH/LB
DATE 3/1/10
SCALE 1"=30'-0"
JOB No. 2010-106
SHEET L-3
OF SEVEN SHEETS

10PD031

ZONED MEDIUM DENSITY RESIDENTIAL

OUTLOT 11
5.89 ± AC.



MATCHLINE-SEE SHEET L-2

Walmart
SUPERCENTER #3872-03
C-150-SGL-Q1
154,750 S.F. (APPROX.)

SEASONAL GARDEN CENTER
BAGGED GOODS AREA
FENCED AREA

GM CANOPY

Entrance A
See Planting Detail, Sht. L-6

ZONED GENERAL COMMERCIAL

E STUMER ROAD

BLACK HILLS BOULEVARD

ZONED OFFICE COMMERCIAL

OUTLOT 12
2.34 ± AC.

RIDGE LANE

OUTLOT 13

OUTLOT 10
2.34 ± AC.

ZONED GENERAL COMMERCIAL

OUTLOT 9
1.87 ± AC.

OUTLOT 8
1.36 ± AC.

OUTLOT 7
0.99 ± AC.

OUTLOT 6
1.27 ± AC.

ZONED OFFICE COMMERCIAL

REVISIONS	BY

landscape TECHNOLOGIES
 51. Charles, Minnesota 55304
 Fax: (650) 432-4489
 (651) 432-4488

PRELIMINARY PLANTING PLAN FOR THE PROPOSED
Black Hills Center
 WAL-MART #3872-03
 RAPID CITY, PENNINGTON COUNTY, SOUTH DAKOTA

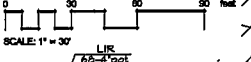
DRAWN
R. HARDSIS
CHECKED
R. HARDSIS

DATE
5/14/10

SCALE
1"=30'-0"

JOB NO.
2010-106

SHEET
L-4
OF SEVEN SHEETS



MATCHLINE-SEE SHEET L-3

ZONED PUBLIC

ZONED GENERAL COMMERCIAL

PHASE III OUTLOT 2

MINI ANCHOR
30,900 S.F.
FFE=3354.0

SHOPS
19,200 S.F.
FFE=3354.0

Entrance B
See Planting Detail, Sht. L-6

Entrance C
See Planting Detail, Sht. L-6

R/W DEDICATION
0.21± AC.

OUTLOT 4

OUTLOT 6
1.27± AC.

OUTLOT 5
1.27± AC.

OUTLOT 3

REVISIONS	BY

landscape TECHNOLOGIES
 87 Jacobs Creek Drive
 St. Charles, Missouri 63044
 (636) 428-1200
 Fax: (636) 428-1665

PRELIMINARY PLANTING PLAN FOR THE PROPOSED
Black Hills Center
 WAL-MART #3872-03
 RAPID CITY, PENNINGTON COUNTY, SOUTH DAKOTA

DRAWN
R. HARDS
CHECKED
RMM/LS
DATE
3/15/10
SCALE
1"=30'-0"
JOB No.
2010-106
SHEET
L-5
OF SEVEN SHEETS

LANDSCAPE GUIDELINE SPECS:

GENERAL:

- All natural vegetation shall be maintained where it does not interfere with construction or the permanent plan of operation. Every effort possible shall be made to protect existing structures or vegetation from damage due to equipment usage. Contractor shall be responsible for any coordination with other site related work being performed by other contractors. Refer to architectural drawings for further coordination of work to be done.
- Underground facilities, structures and utilities must be considered approximate only. There may be others not shown below or shown. It shall be the landscape contractor's responsibility to determine or verify the existence of and exact location of the above (Call 1-800-368-5878).
- Plant material are to be planted in the same relationship to grade as was grown in nursery conditions. All planting beds shall be cultivated to 6" depth minimum and graded smooth immediately before planting of plants. Plant groundcover to within 12" of trunk of trees or shrubs planted within the area.
- It shall be the landscape contractor's responsibility to:
 - Verify all existing and proposed features shown on the drawings prior to commencement of work.
 - Report all discrepancies found with regard to existing conditions or proposed design to the landscape architect immediately for a decision.
 - Stake the locations of all proposed plant material and obtain the approval of the owner's representative or landscape architect prior to installation.
- Items shown on this drawing take precedence over the material list. It shall be the landscape contractor's responsibility to verify all quantities and conditions prior to implementation of the plan. No substitutions of types or sizes of plant materials will be accepted without written approval from the landscape architect.
- Provide single-stem trees unless otherwise noted in plant schedule.
- All plant material shall comply with the recommendations and requirements of ANSI Z602 American Standards for Nursery Stock.
- It shall be the contractor's responsibility to provide for inspection of the plant material by the Landscape Architect prior to acceptance. Plants not conforming exactly to the plant list will not be accepted and shall be replaced at the landscape contractor's expense.
- All bids are to have unit prices listed. The Owner has the option to delete any portion of the contract prior to signing the contract or beginning work. This will be a unit price contract.
- All plant material to be transplanted shall be transplanted according to guidelines set by ANSI standards. Transplanted material will not be guaranteed by the landscape contractor.

MULCH:

- All mulch to be shredded oak bark, mulch at 4" depth (after compaction) unless otherwise noted. Mulch shall be clean and free of all foreign materials, including twigs, nails, debris, etc.
- Edge all beds with black vinyl edge where any turf meets planting beds. Provide alternate price for Permacolor aluminum edging in lieu of vinyl edge.

TOPSOIL:

- Topsoil mix for all proposed landscape plantings shall be five (5) parts well-sieved screened organic topsoil to one (1) part Canadian sphagnum peat moss as per planting details. Note: fill topsoil mix to a depth of 6" minimum and grade smooth.
- Provide a soil analysis, as requested, made by an independent soil-testing agency outlining the % of organic matter, inorganic matter, deleterious materials, pH and mineral content.
- Any foreign topsoil used shall be free of roots, stumps, weeds, brush, stones (larger than 1"), litter or any other extraneous or toxic material.
- Landscape contractor to apply pre-emergent herbicide to all planting beds upon completion of planting operations and before application of shredded bark mulch.

MISC. MATERIAL:

- Provide stakes and deadmen of sound, new hardwood, free of knots/holes and defects.
- Tree wrap tape shall be 4" minimum, designed to prevent borer damage and winter freezing. Additionally, only 5-ply burlap material shall be used.

TURF:

- All disturbed lawn areas to be sodded with Turf-Type Fescue. Lawn areas shall be conditionally warranted for a period of 90 days from date of final acceptance. Bare areas more than one square foot per any 50 square feet shall be replaced.
- Sod shall be cut at a uniform thickness of 3/4". No broken pieces, irregular pieces or torn pieces will be accepted.
- Any points carrying concentrated water loads and all slopes of 1% or greater shall be sodded; all slopes of 3% or greater shall be staked at 36" O.C.
- All sod shall be placed a maximum of 24 hours after harvesting.
- Recondition existing lawn areas damaged by contractor's operations including equipment/material storage and movement of vehicles.

ADDITIONAL XERISCAPE NOTES:

- All landscaped areas are to receive a minimum of 4" topsoil. See 2100 Specification.
- All plant material shall be healthy, vigorous and free of pests and diseases.
- All plant material shall be container grown or balled and burlapped as directed in the plant schedule.
- All trees shall have a straight trunk and full head and meet all requirements specified.
- All material is subject to the approval of the Landscape Architect before, during and after the installation.
- All trees must be girded and staked as shown in the planting details. All planting areas shall be completely mulched as specified.
- Prior to construction, the contractor shall be responsible for locating all underground utilities and shall avoid damage to all utilities during the course of the work. Locations of existing buried utilities shown on the plans are based upon best available information and are to be considered approximate. It shall be the responsibility of the contractor to verify the locations of utility lines adjacent to the work area. 2) protect all of the utility lines during construction and 3) repair any and all damage to utilities, structures, site appurtenances, etc. which occurs as a result of the construction.
- The contractor shall be responsible for verifying all quantities shown on these plans before starting the work.
- Any plant material which is diseased, distressed, dead or rejected (prior to substantial completion) shall be promptly removed from the site and replaced with material of the same species, quantity and size and meeting all plant list specifications.
- The contractor shall completely guarantee all plant material for a period defined in the 02100 Specification and shall promptly make all replacements during the normal planting season.
- After being dug at the nursery source, all trees in leaf shall be acclimated for two (2) weeks under a mist system prior to installation.
- Standards set forth in "American Standard for Nursery Stock" represent guideline specifications only and shall constitute minimum quality requirements for plant material.
- Where shown on the plans and details, planting beds are to be completely covered with a hardwood mulch from a local source harvested in a sustainable manner to a minimum depth of four (4) inches. Refer to Mid-Trip specifications for information needed for implementation of planting plans.
- All plant material quantities shown are approximate. Contractor shall be responsible for complete coverage of all planting beds at spacing shown.
- This plan is to be implemented cooperatively with SWPPP plan, as needed, to maximize the effectiveness of the SWPPP plan for this site. The contractor is encouraged to complete temporary or permanent seeding or sodding for soil stabilization as areas are completed after grading.
- This plan does not present any temporary stabilization required as part of the SWPPP plan.

WARRANTY:

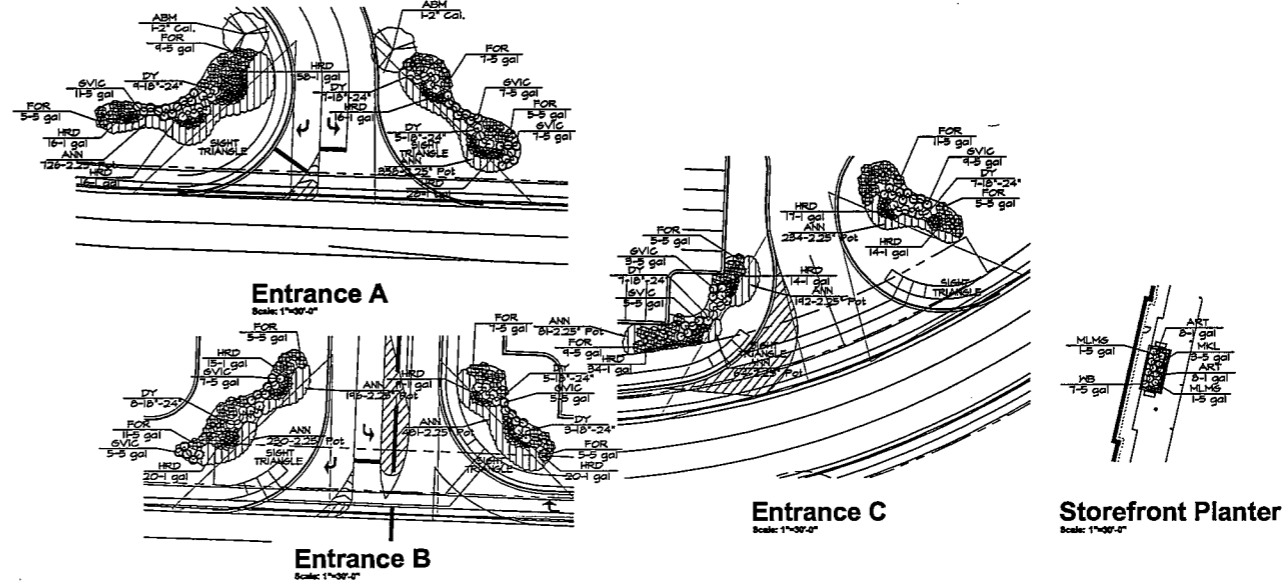
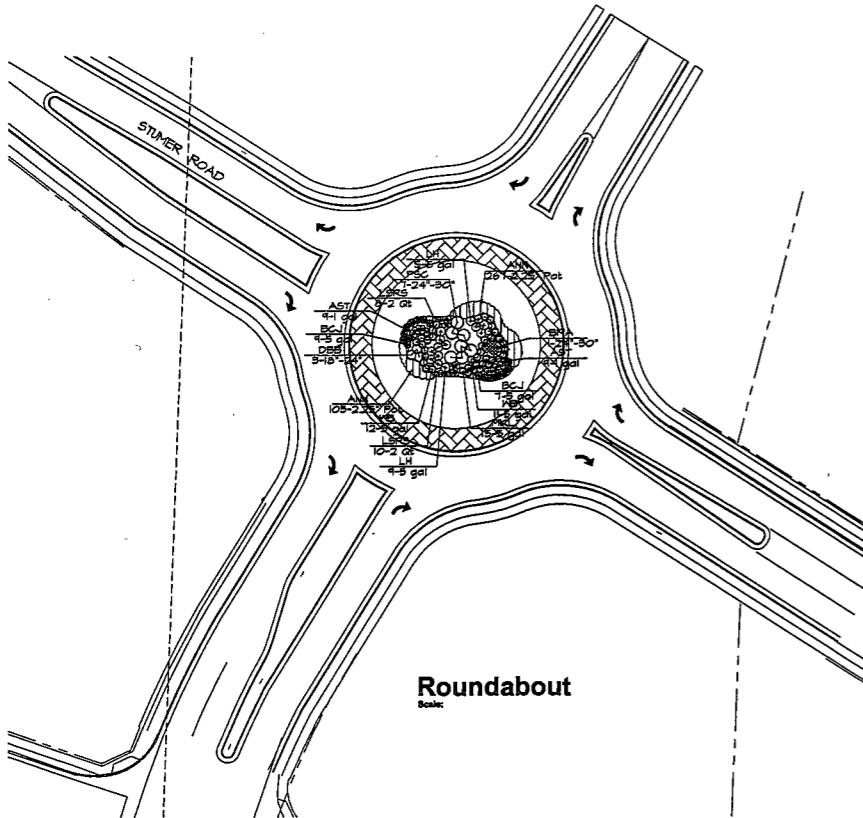
- All plant material (excluding ground cover, perennials and annuals) are to be warranted for a period of 12 months after installation at 100% of the installed price.
- Any plant material found to be defective shall be removed and replaced within 30 days of notification or in growth season determined to be best for that plant.
- Only one replacement per tree or shrub shall be required at the end of the warranty period, unless loss is due to failure to comply with warranty.
- Lawn establishment period will be in effect once the lawn has been mowed three times. Plant establishment period shall commence on the date of acceptance and 100% completion.

MAINTENANCE:

- Landscape Contractor shall provide a separate proposal to maintain all plants, shrubs, groundcover, perennials and annuals for a period of 12 months after acceptance.
- Contractor shall ensure that only competent and trained personnel shall provide such services and that such services be provided in a timely manner.

PLANT SCHEDULE

TREES	QTY	BOTANICAL NAME / COMMON NAME	SIZE
RSM	11	Acer rubrum 'Franksred' / 'Red Sunset' Maple	2" Cal.
OGRM	15	Acer rubrum 'October Glory' / 'October Glory' Maple	2.5" Cal.
ABM	25	Acer x freemanii 'Jeffersred' / 'Autumn Blaze Maple	2" Cal.
CRB	4	Betula nigra 'Cully' / Heritage River Birch	10'-12'
HACK	6	Celtis occidentalis / Common Hackberry	2" Cal.
APA	7	Fraxinus americana 'Autumn Purple' / Autumn Purple Ash	2" Cal.
PA	15	Fraxinus pennsylvanica 'Patmore' / 'Patmore' Ash	2" Cal.
SHL	27	Gleditsia triacanthos 'Skyline' / 'Skyline' Locust	2" Cal.
GL	13	Tilia cordata 'Greenspire' / Greenspire Littleleaf Linden	2" Cal.
HE	4	Ulmus 'Homestead' / Homestead Elm	2" Cal.
EVERGREEN TREES	QTY	BOTANICAL NAME / COMMON NAME	SIZE
NS	15	Picea abies / Norway Spruce	6'-7'
SS	12	Picea omorika / Serbian Spruce	6'-7'
CBS	22	Picea pungens 'Glauca' / Colorado Blue Spruce	6'-7'
APIN	24	Pinus nigra / Austrian Pine	6'-7'
FLOWERING TREES	QTY	BOTANICAL NAME / COMMON NAME	SIZE
RB	20	Cercis canadensis / Redbud	1.5" Cal.
GRFC	13	Malus 'Golden Raindrops' / Golden Raindrops Flowering Crab	1.5" Cal.
PFC	12	Malus 'Fraisfire' / Frairifire Crabapple	1.5" Cal.
SSFC	7	Malus 'Spring Snow' / Spring Snow Flowering Crab	1.5" Cal.
ACHK	8	Prunus maackii / Amur Chokecherry	1.5" Cal.
ABP	27	Pyrus calleryana 'Autumn Blaze' / Autumn Blaze Pear	1.5" Cal.
JTL	5	Syringa reticulata 'Ivory Silk' / Ivory Silk Japanese Tree Lilac	1.5" Cal.
SHRUBS	QTY	BOTANICAL NAME / COMMON NAME	SIZE
WB	87	Buxus microphylla 'Wintergreen' / Wintergreen Boxwood	5 gal
DBB	34	Euonymus alatus 'Compactus' / Compact Burning Bush	18"-24"
FOR	84	Forsythia intermedia 'Northern Gold' / Northern Gold Forsythia	5 gal
LH	14	Hydrangea paniculata 'Limelight' TM / Limelight Hydrangea	5 gal
SGJ	105	Juniperus chinensis 'Sea Green' / Sea Green Juniper	5 gal
BCJ	62	Juniperus horizontalis 'Blue Chip' / Blue Chip Juniper	5 gal
GVIC	59	Ligustrum vicaryi / Golden Privet	5 gal
PSC	7	Prunus x cistena / Purple Sand Cherry	24"-30"
MKL	18	Syringa patula 'Miss Kim' / Miss Kim Lilac	5 gal
DY	127	Taxus media 'Densiformis' / Dense Yew	18"-24"
BMA	1	Viburnum dentatum 'Blue Muffin' / Blue Muffin Arrowwood	24"-30"
WRN	39	Weigela florida 'Wine & Roses' / Wine & Roses Weigela	5 gal
ANNUALS/PERENNIALS	QTY	BOTANICAL NAME / COMMON NAME	SIZE
ART	16	Artemisia schmidtiana 'Silver Mound' / Silver Mound Artemisia	1 gal
AST	18	Aster novae-angliae 'Purple Dome' / Purple Dome Aster	1 gal
HRD	277	Hemerocallis hybrid 'Happy Returns' / Happy Returns Daylily	1 gal
LSRS	178	Perovskia atriplicifolia 'Little Spire' TM / Little Spire Russian Sage	2 qt
GRASSES	QTY	BOTANICAL NAME / COMMON NAME	SIZE
MLMG	2	Miscanthus sinensis 'Morning Light' / Morning Light Maiden Grass	5 gal
GROUND COVERS	QTY	BOTANICAL NAME / COMMON NAME	SIZE
	5,232	Liriope spicata / Creeping Liriope	4" pot @ 12" oc
	3,156	Min. of Five Varieties / Mixed Annuals	2.25" Pot @ 12" oc



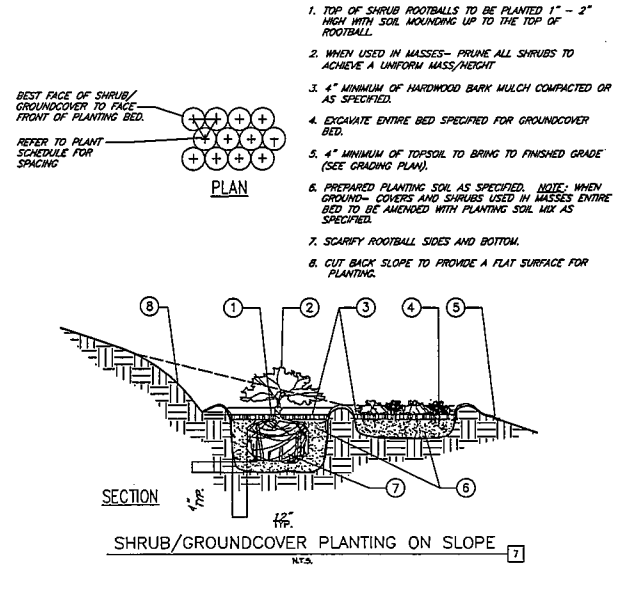
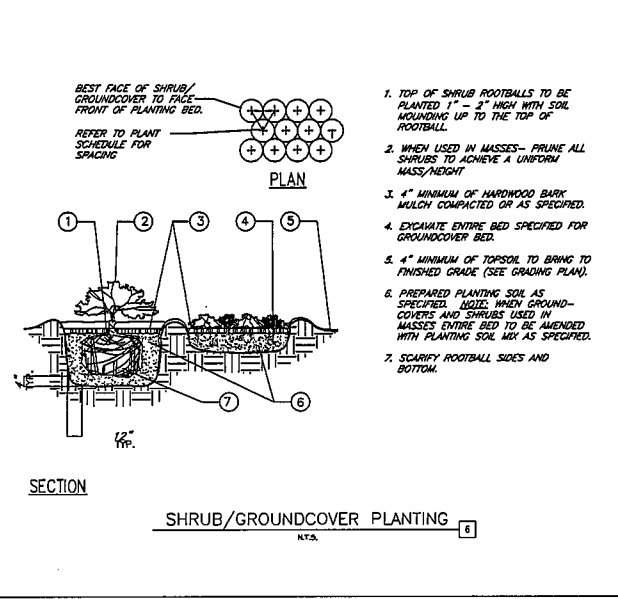
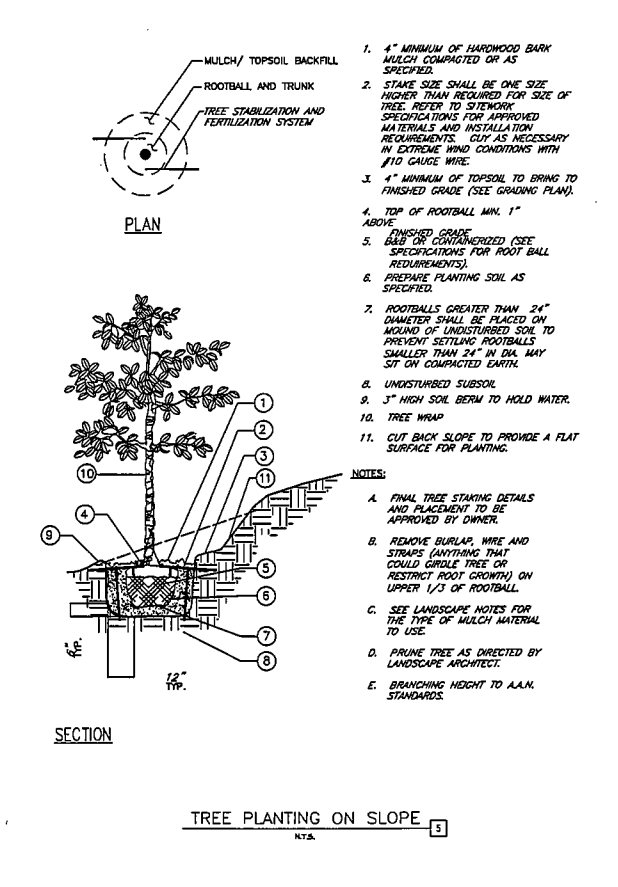
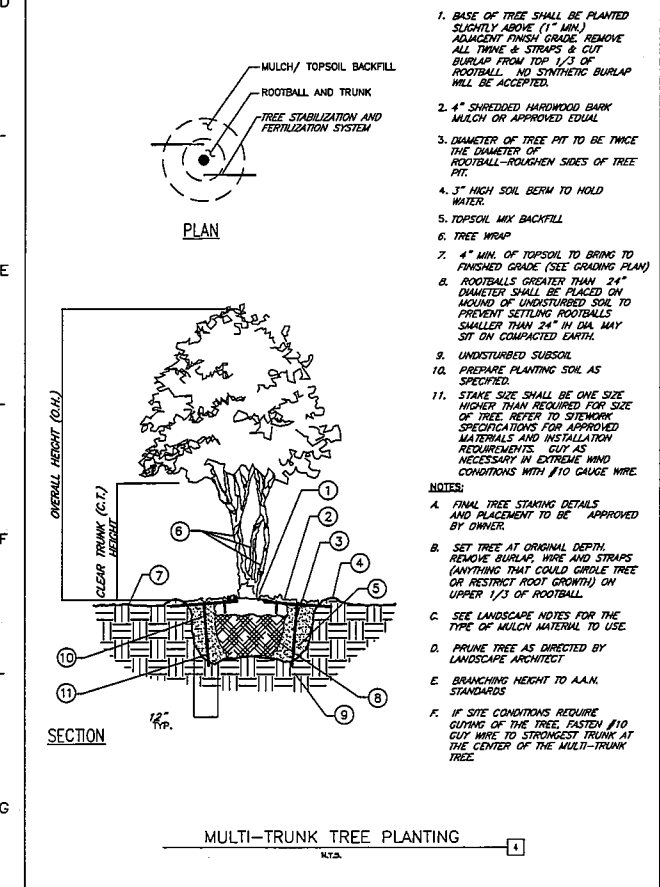
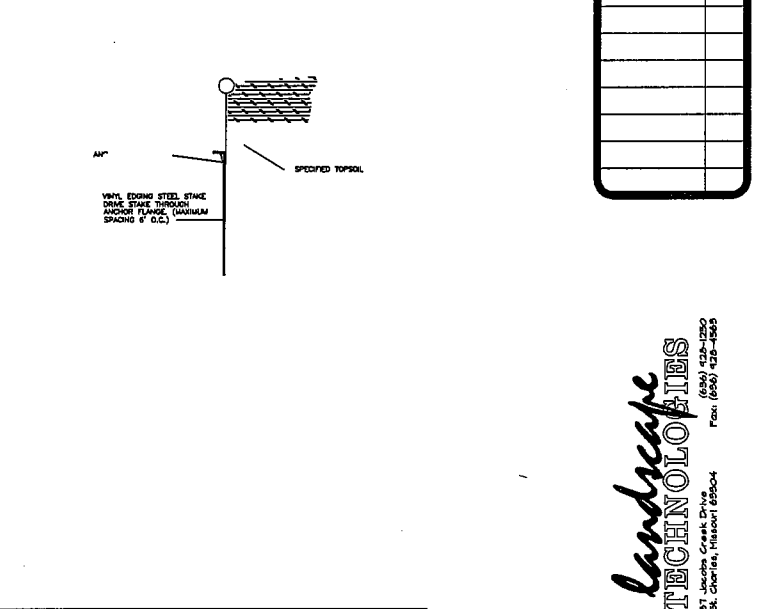
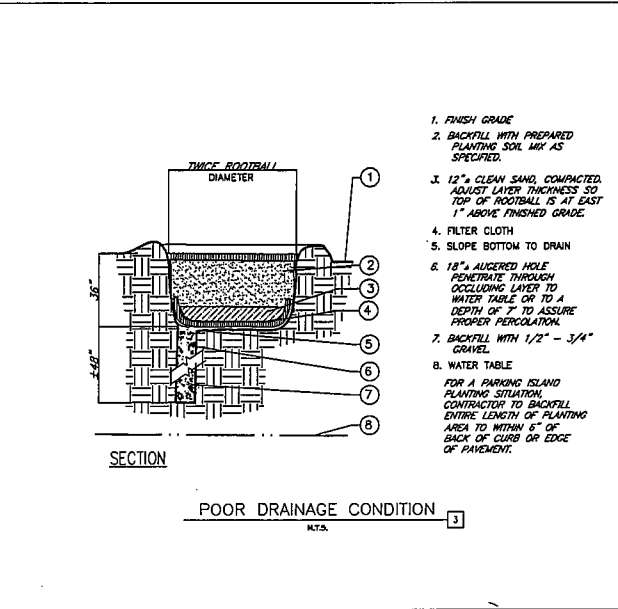
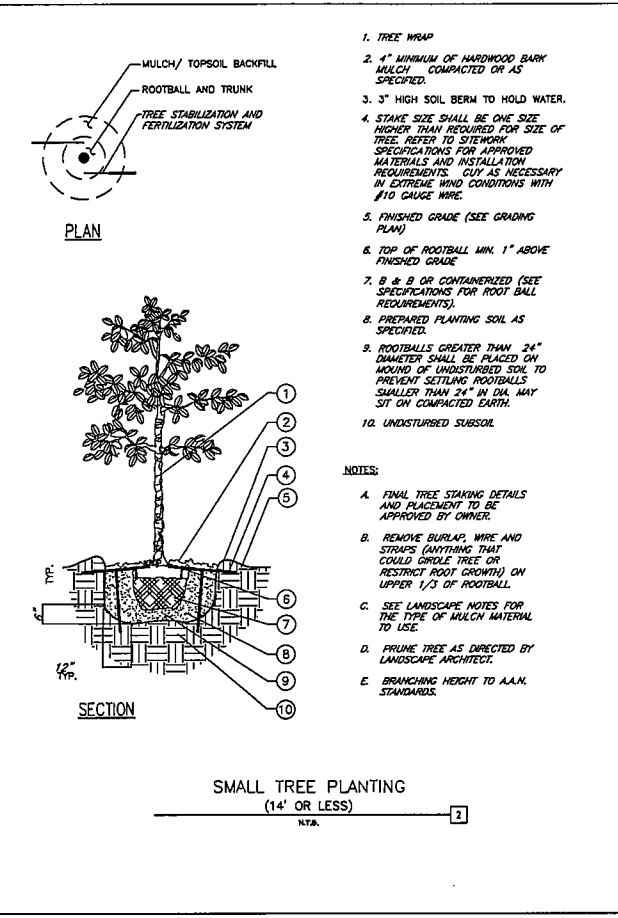
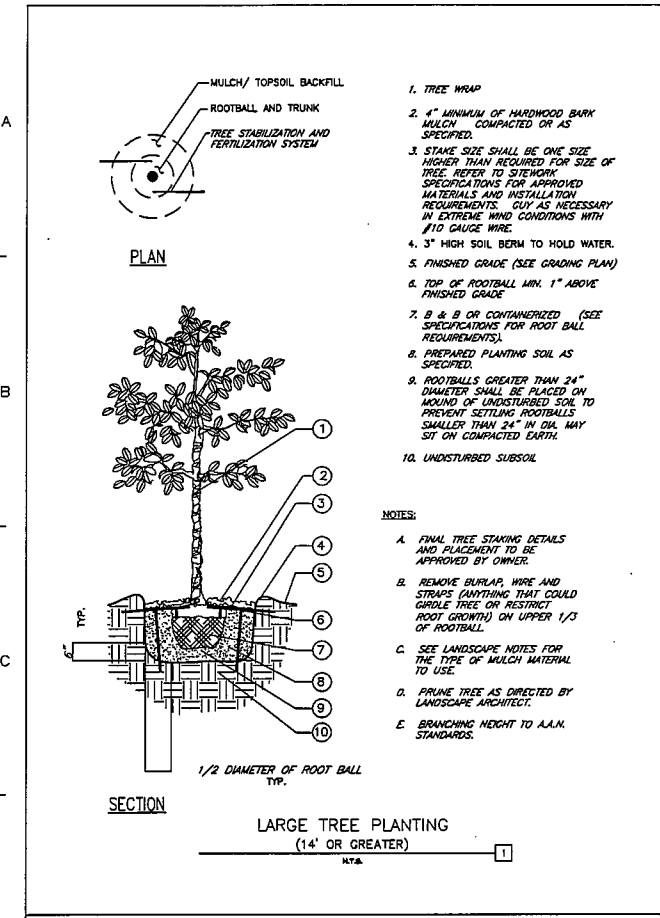
REVISIONS	BY

landscape TECHNOLOGIES
 67 Locust Creek Drive
 St. Charles, Missouri 63041
 (636) 922-1200
 Fax: (636) 922-1599

PRELIMINARY PLANTING PLAN FOR THE PROPOSED
Black Hills Center
 WAL-MART #3872-03
 RAPID CITY, PENNINGTON COUNTY, SOUTH DAKOTA

DRAWN: R. HARDS
 CHECKED: RHM/MLB
 DATE: 3/1/10
 SCALE: 1"=30'-0"
 JOB No. 2010-106
 SHEET
L-6
 OF SEVEN SHEETS

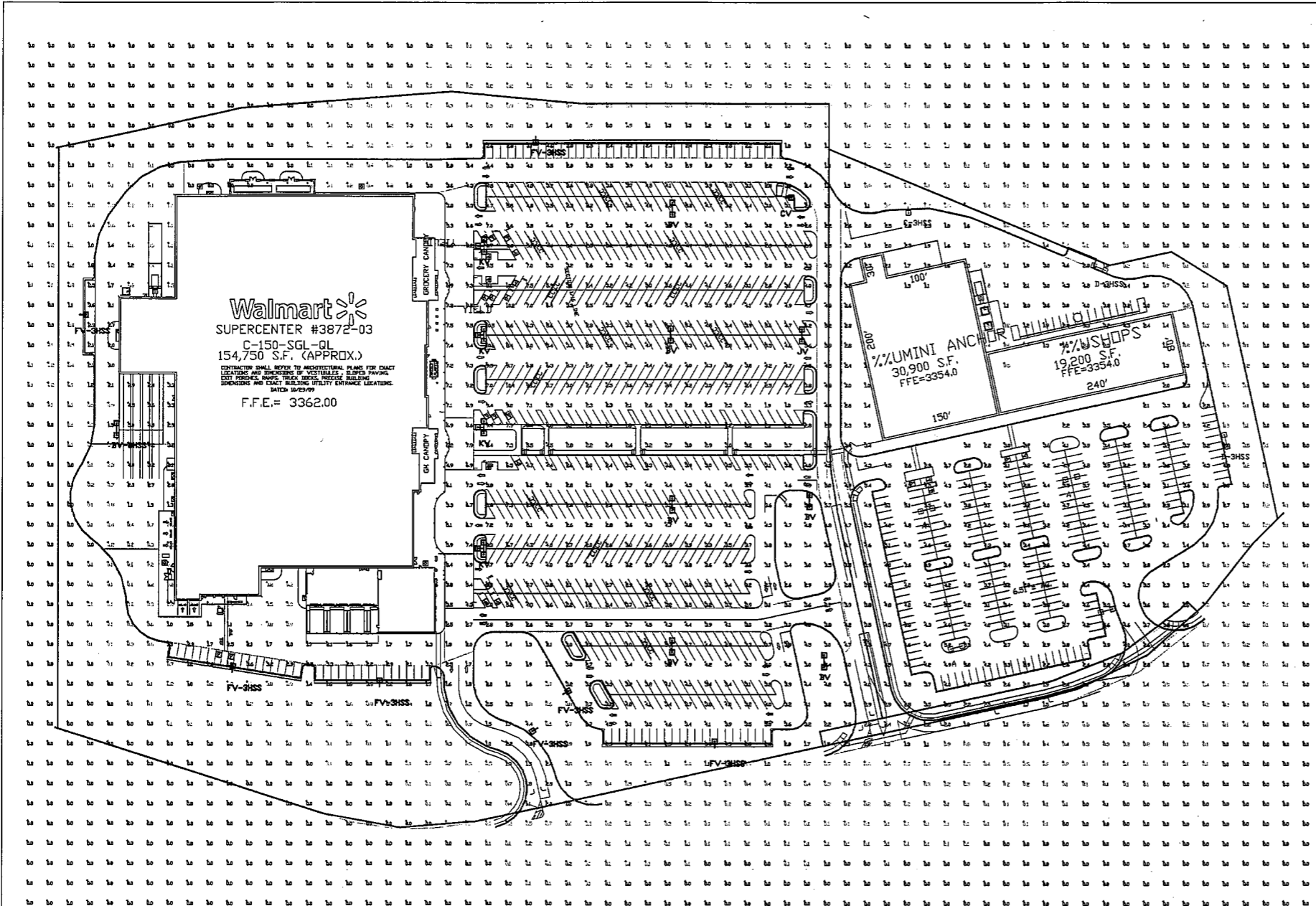
REVISIONS	BY



landscape TECHNOLOGIES
 97 Jacobs Creek Drive
 St. Charles, Missouri 63004
 Phone: (636) 425-1550
 Fax: (636) 425-1559

PRELIMINARY PLANTING PLAN FOR THE PROPOSED
Black Hills Center
 WAL-MART #3872-03
 RAPID CITY, PENNINGTON COUNTY, SOUTH DAKOTA

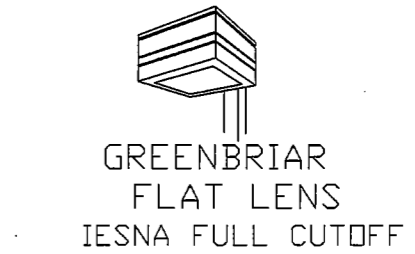
DRAWN
 R. HARDSIS
 CHECKED
 RHWG-8
 3/19/10
 1"=30'-0"
 2010-106
L-7
 OF SEVEN SHEETS



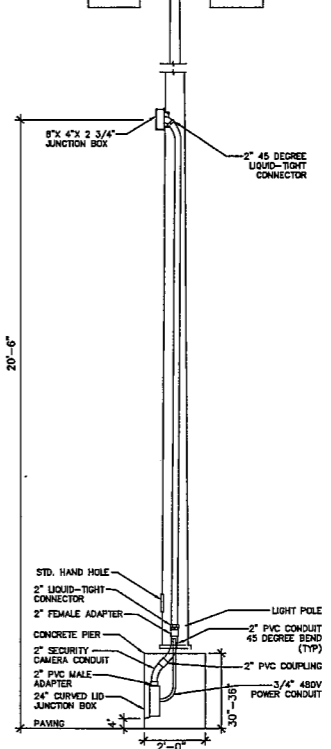
Walmart
SUPERCENTER #3872-03
 C-150-SGL-QL
 154,750 S.F. (APPROX.)
 CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS FOR EXACT
 LIGHTING AND DIMENSIONS OF VESTIBULES, SLOPED PAVING,
 SIDE WALKS, DRIVEWAYS, DRIVEWAYS, DRIVEWAYS, DRIVEWAYS,
 DRIVEWAYS AND DRIVEWAYS. ALL DIMENSIONS ARE IN FEET.
 DATED 10/23/07
 F.F.E. = 3362.00

1/2% LUMINI ANCHOR
 30,900 S.F.
 FFE=3354.0

1/2% SHOPS
 19,200 S.F.
 FFE=3354.0



Lei INDUSTRIES™
 FOR SALES QUOTING AND AVAILABILITY ON
 OUT LOTS PLEASE CONTACT:
 CHERI KIEFFER NATIONAL ACCOUNT SALES
 2880 ALLANCE RD. P.O. BOX 46753 CINCINNATI, OHIO 45242
 800-542-7888 EXT. 3222 • FAX: 513-793-2447



POLE MOUNTED CAMERA DETAIL
 N.T.S.
 10/02/07

NOTE:
 ONLY FOR POLE LOCATIONS DESIGNATED WITH
 CAM SUFFIX ONLY, I.E. EV-CAM, CAMERAS AND
 WIRING BY OTHERS.

Symbol	Qty	Label	Arrangement	Lumens	LLF	Description	Total Watts
[Symbol]	5	EV	BACK-SHOCK	120000	0.750	GFR-S40-1000-PSRV-F-39" POLE + 3" BASE	2160
[Symbol]	1	EV-3HSS	ROTATED 2 IN 90	120000	0.750	GFR-S40-1000-PSRV-F-39" POLE + 3" BASE	2160
[Symbol]	1	EV	SINGLE	120000	0.750	GFR-S40-1000-PSRV-F-39" POLE + 3" BASE	1080
[Symbol]	7	FV-3HSS	SINGLE	120000	0.750	GFR-S40-1000-PSRV-F-39" POLE + 3" BASE	1080
[Symbol]	11	LJ	ROTATED 2 IN 90	120000	0.750	GFR-S40-1000-PSRV-F-39" POLE + 3" BASE	2160
[Symbol]	4	EV	3 @ 90 DEGREES	120000	0.750	GFR-S40-1000-PSRV-F-39" POLE + 3" BASE	2880
[Symbol]	4	A	BACK-SHOCK	120000	0.750	GFR-S40-1000-PSRV-F-39" POLE + 3" BASE	2160
[Symbol]	1	C-3HSS	SINGLE	120000	0.750	GFR-S40-1000-PSRV-F-39" POLE + 3" BASE	1080
[Symbol]	2	D-3HSS	ROTATED 2 IN 90	120000	0.750	GFR-S40-1000-PSRV-F-39" POLE + 3" BASE	2160

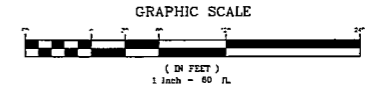
Label	Avg	Max	Min	Avg/Fsq	Max/Fsq
FRONT DRIVE SUMMARY	6.58	9.5	2.5	2.67	3.89
MAIN LOT SUMMARY	4.25	12.6	1.2	2.25	3.29

Based on the information provided, all dimensions and luminaire locations shown represent recommended positions. The engineer and/or architect must determine applicability of the layout to existing or future field conditions.

This lighting pattern represents illumination levels calculated from laboratory data taken under controlled conditions utilizing current industry standard lamp ratings in accordance with Illuminating Engineering Society approved methods. Actual performance of any manufacturer's luminaire may vary due to variation in electrical voltage, tolerance in lamps and other variable field conditions.

Lei INDUSTRIES™
 LIGHTING PROPOSAL FOR
 WAL-MART STORE #3872
 RAPID CITY, SD
 SOLD #387 LD-89299-3
 DATE 10/23/07
 BY MJK
 SHEET 1 OF 1

SITE LIGHTING PHOTOMETRIC PLAN

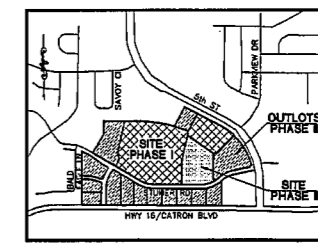


Wolverton & Associates
 Consulting Engineers • Land Surveyors
 6165 Reschke Parkway, Suite 100 • Oakdale, Georgia 30567
 Phone: (770) 447-2699 • Fax: (770) 447-6210
 www.wolverton-associates.com

PROPOSED BLACK HILLS CENTER
Walmart Supercenter #3872-03
 RAPID CITY, PENNINGTON COUNTY, S.D.
 BY: THF STONERIDGE DEVELOPMENT, LLC
 ST. LOUIS, MO

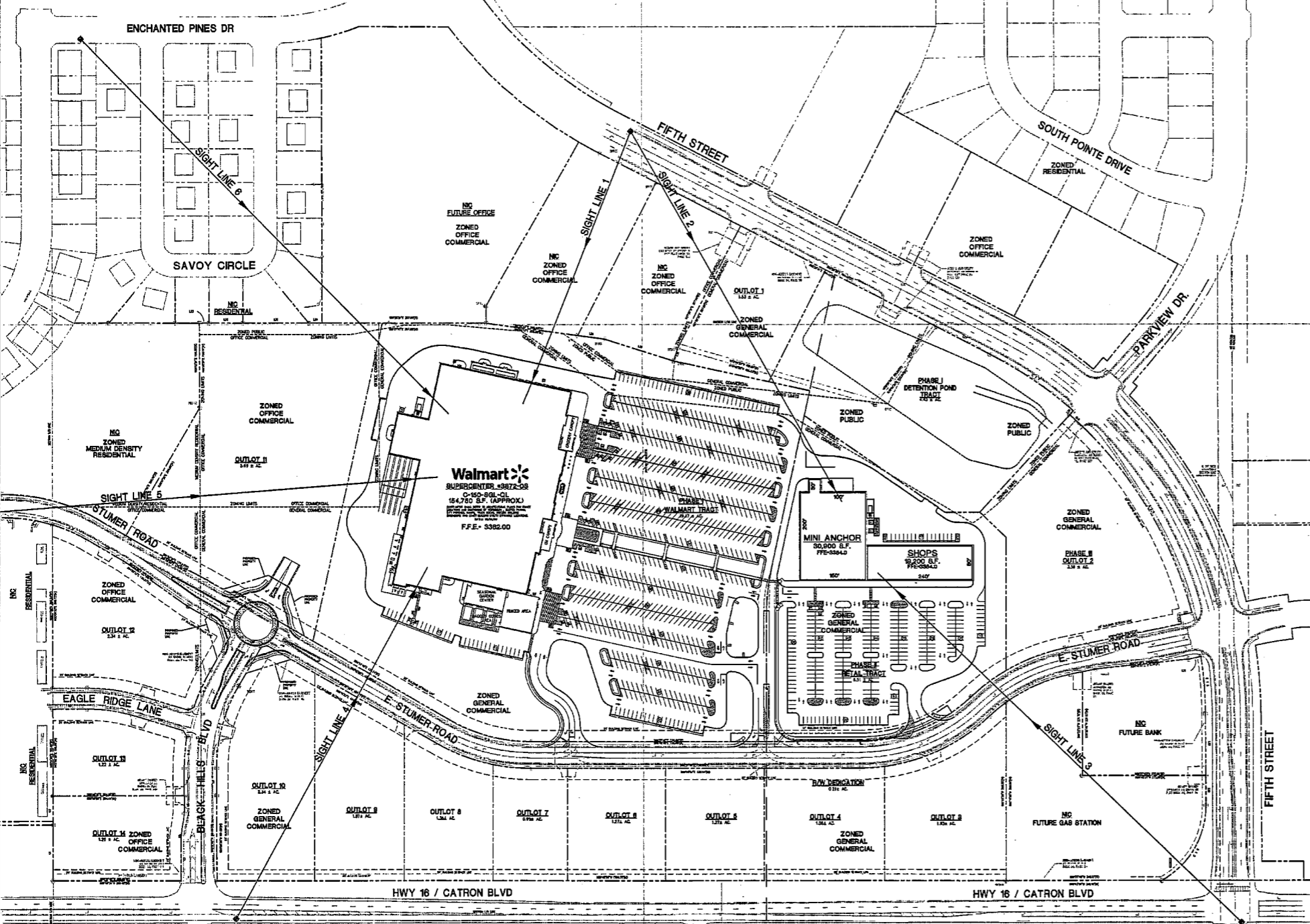
REVISIONS	BY

DRAWN BY CRP
 CHECKED BY KJW
 DATE 03/16/2010
 SCALE 1" = 80'
 JOB NO. 08-140
 SHEET NUMBER
L0-1
 OF SHEETS



LOCATION MAP
 NOT TO SCALE
 THE SITE IS LOCATED IN THE SE 1/4 OF THE NE 1/4 OR N/A IN THE SW 1/4 OF THE NE 1/4 AND IN THE SE 1/4 OF THE NE 1/4, SECTION 24, T4N, R7E, S4M, RAPID CITY, PENNINGTON COUNTY, SOUTH DAKOTA.

Wolverton & Associates
 Consulting Engineers + Land Surveyors
 6716 Sunset Parkway - Suite 100 - Rapid City, South Dakota 57702
 Phone: (605) 447-5500 • Fax: (605) 447-8070
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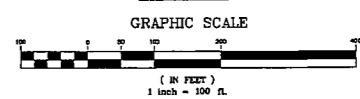
PROPOSED BLACK HILLS CENTER
Walmart SUPERCENTER #3872-03
 RAPID CITY, PENNINGTON COUNTY, S.D.
 BY: THF, STONERIDGE DEVELOPMENT, LLC
 ST. LOUIS, MO

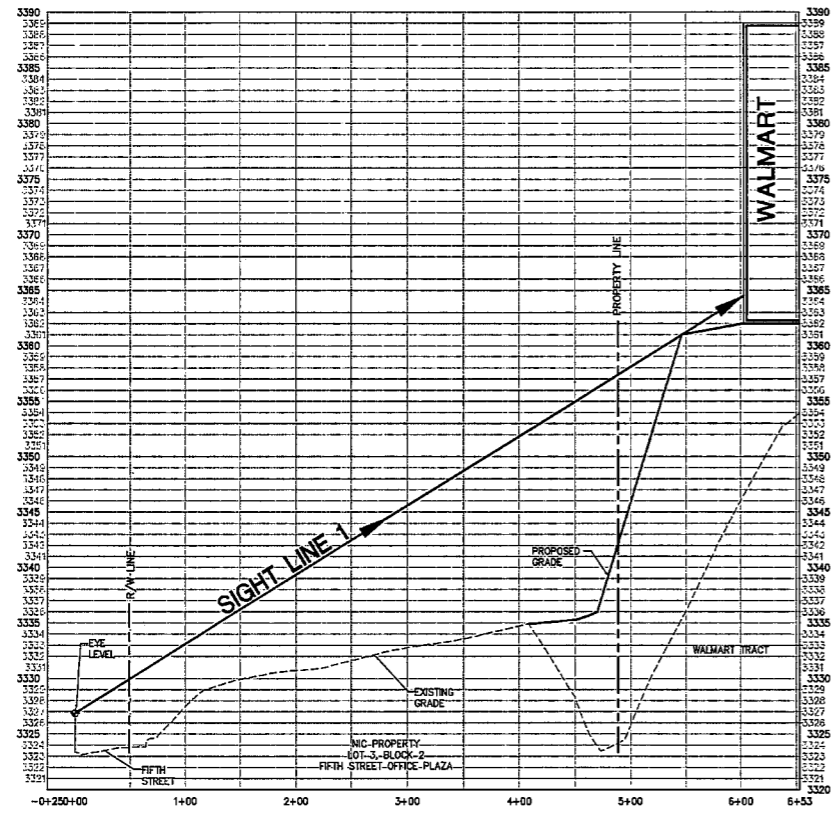
REVISIONS	BY

DRAWN BY DMN
 CHECKED BY KJW
 DATE 03/19/2018
 SCALE 1" = 100'
 JOB NO. 08-140
 SHEET NUMBER

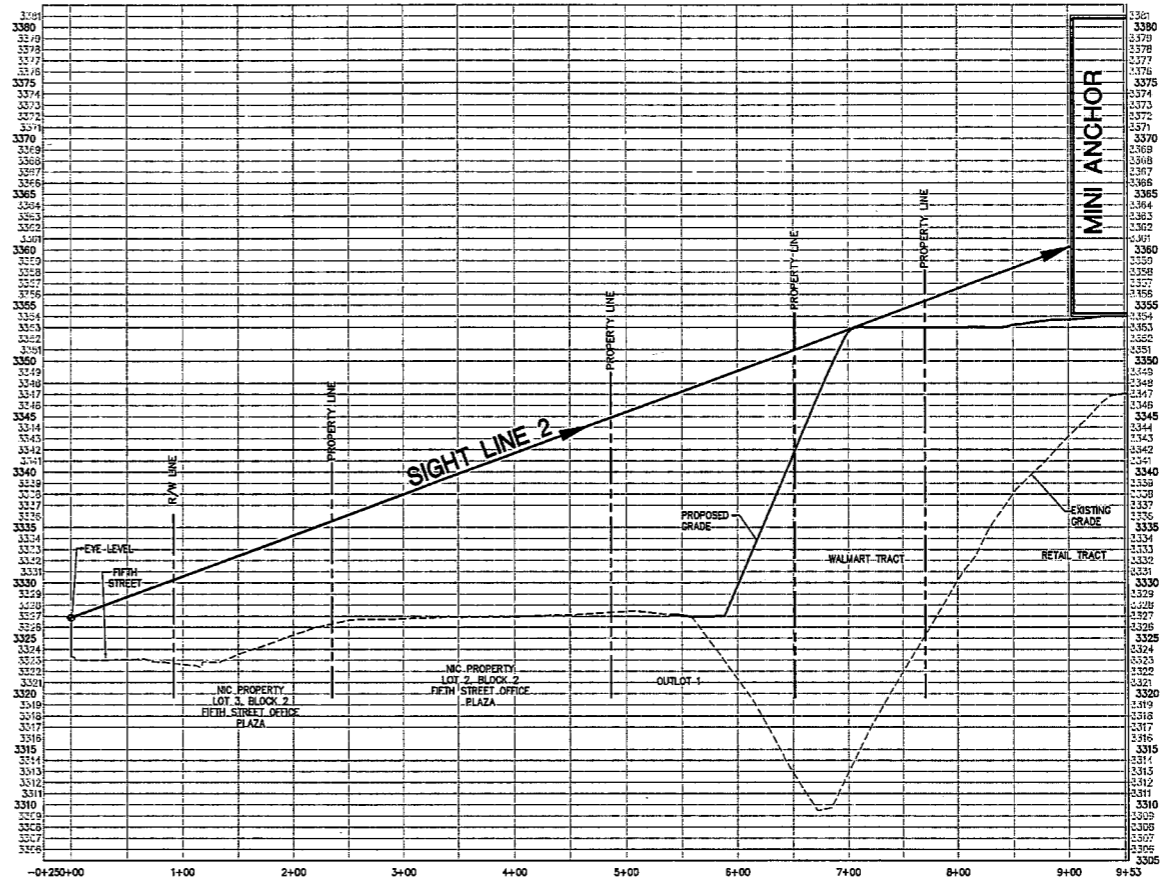
SL-1
 OF SHEETS

SIGHT LINES PLAN





SIGHT LINE 1
 scale: 1"=60' horizontal
 1"=6' vertical



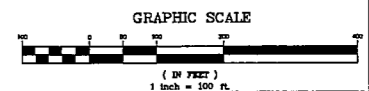
SIGHT LINE 2
 scale: 1"=60' horizontal
 1"=6' vertical

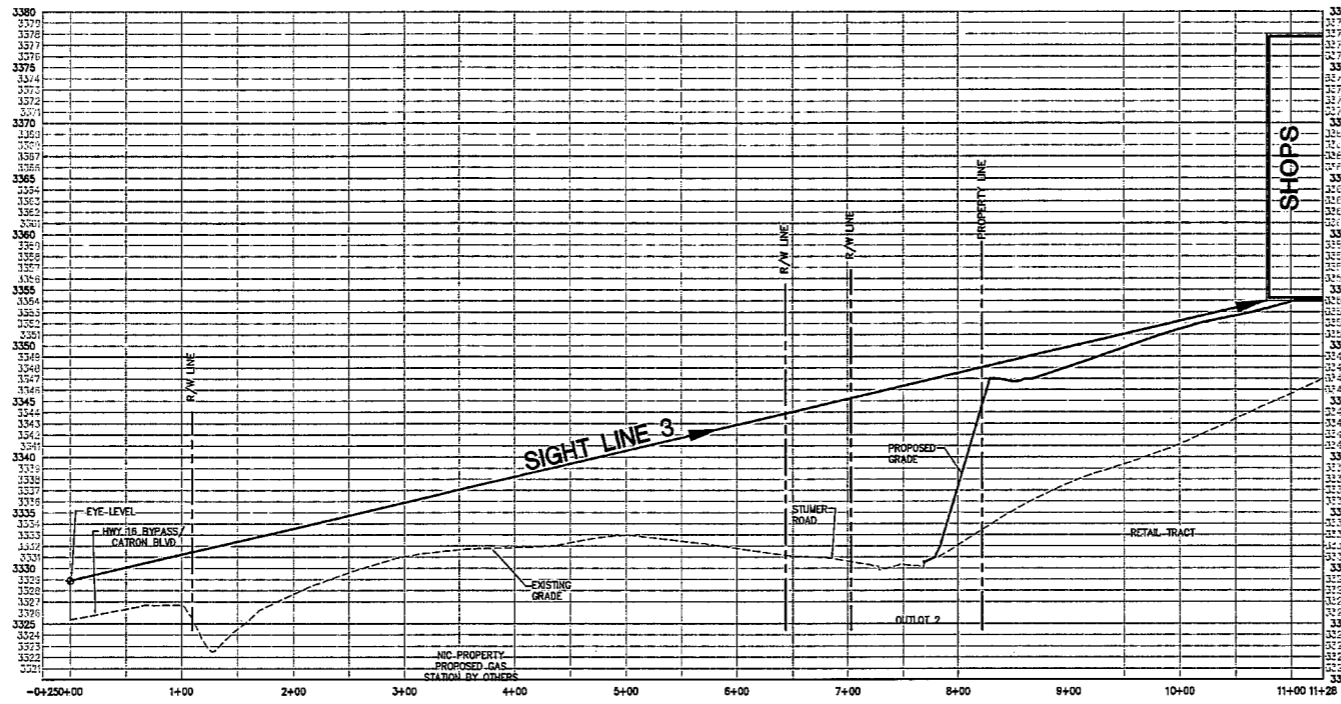
PROPOSED BLACK HILLS CENTER
 Walmart SUPERCENTER #3872-03
 RAPID CITY, PENNINGTON COUNTY, S.D.
 BY: THF, STONERIDGE DEVELOPMENT, LLC
 ST. LOUIS, MO

REVISIONS	BY

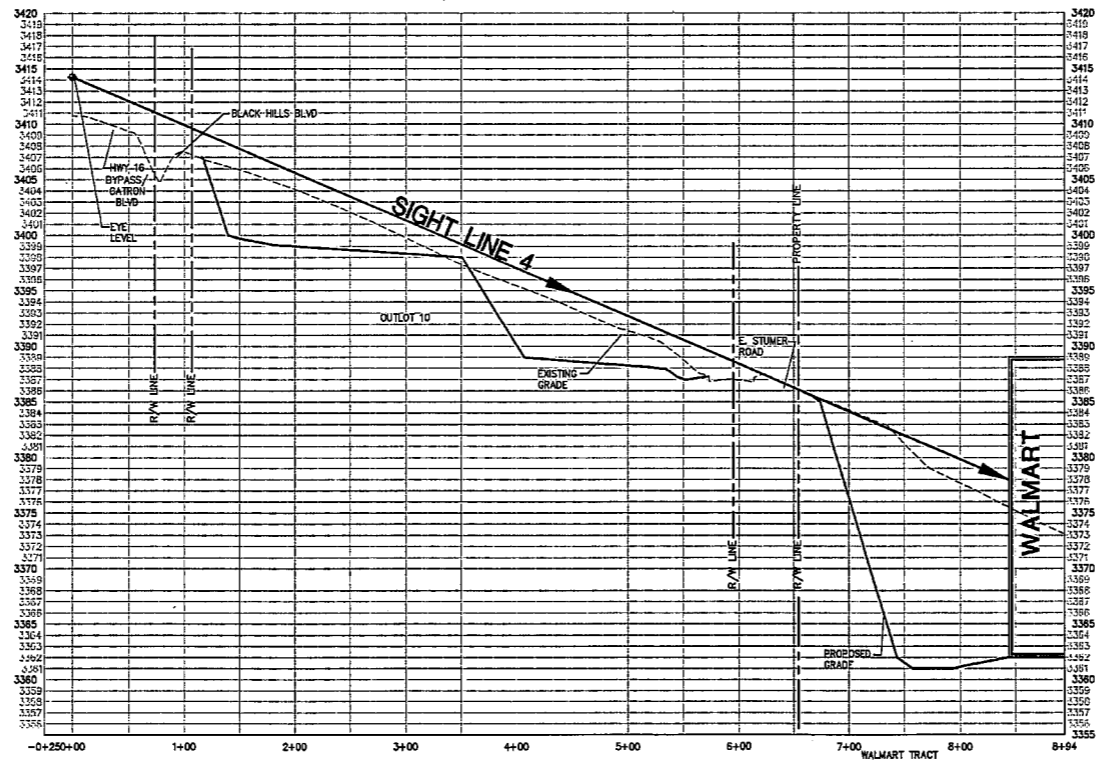
DRAWN BY: DMN
 CHECKED BY: KJW
 DATE: 03/19/2010
 SCALE: AS NOTED
 JOB NO: 08-140
 SHEET NUMBER: SL-2
 OF SHEETS: 6

SIGHTLINE PROFILES



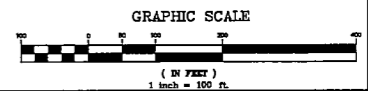


SIGHT LINE 3
 scale: 1"=60' horizontal
 1"=6' vertical



SIGHT LINE 4
 scale: 1"=60' horizontal
 1"=6' vertical

SIGHTLINE PROFILES



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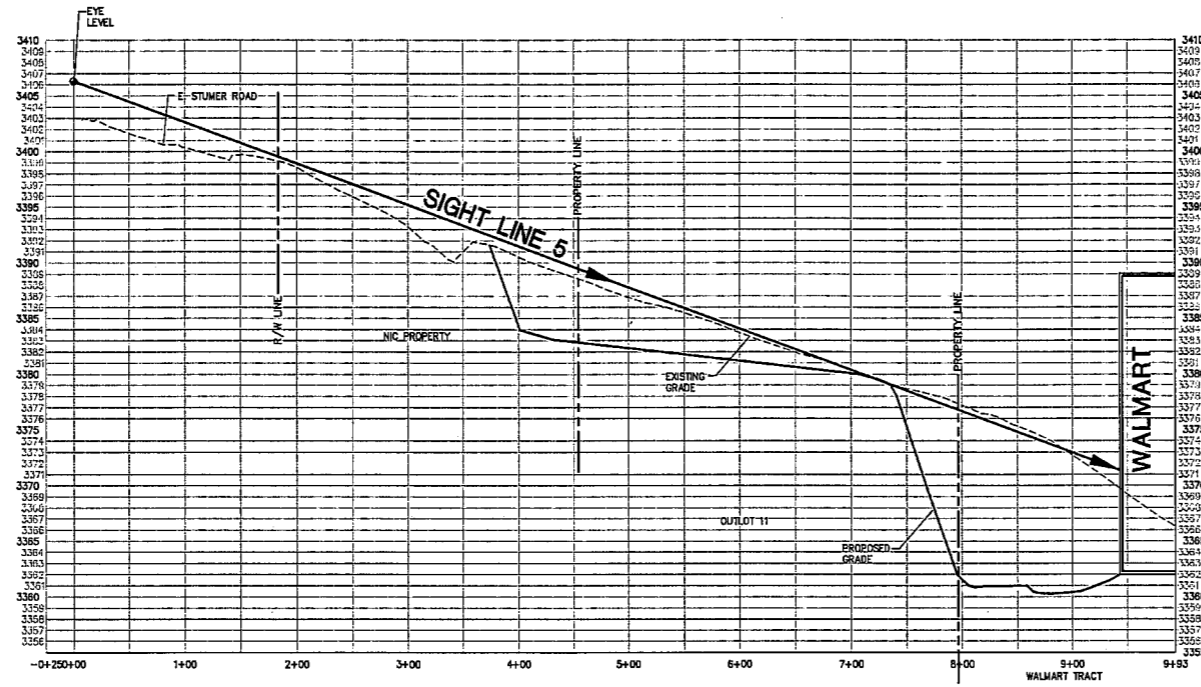
REVISIONS	BY

DRAWN BY DMN
 CHECKED BY KJW
 DATE 03/19/2010
 SCALE AS NOTED
 JOB No. 08-140
 SHEET NUMBER

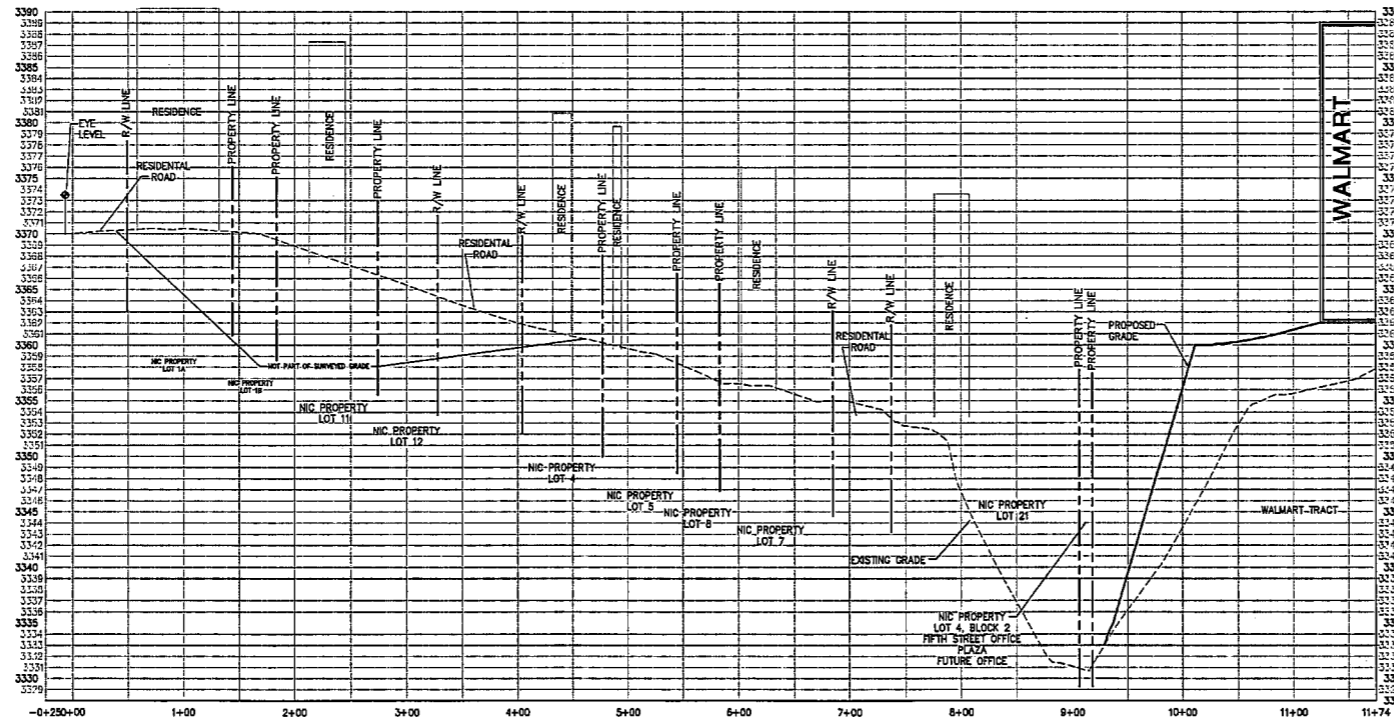
SL-3

OF SHEETS



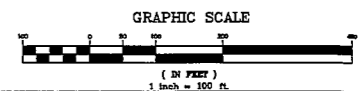


SIGHT LINE 5
 scale: 1"=60' horizontal
 1"=6' vertical



SIGHT LINE 6
 scale: 1"=60' horizontal
 1"=6' vertical

SIGHTLINE PROFILES



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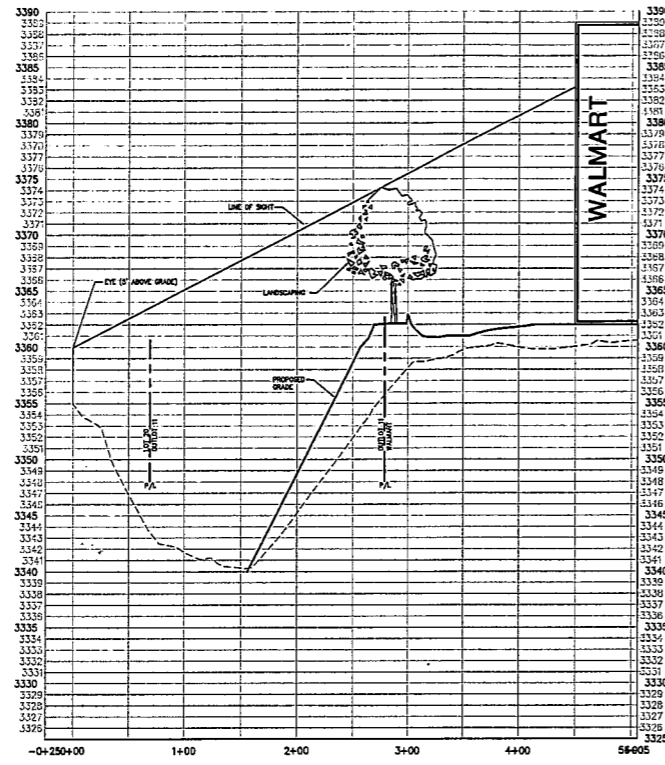
REVISIONS BY

DRAWN BY: DMN
 CHECKED BY: KJW
 DATE: 03/19/2010
 SCALE: AS NOTED
 JOB NO.: 08-140
 SHEET NUMBER

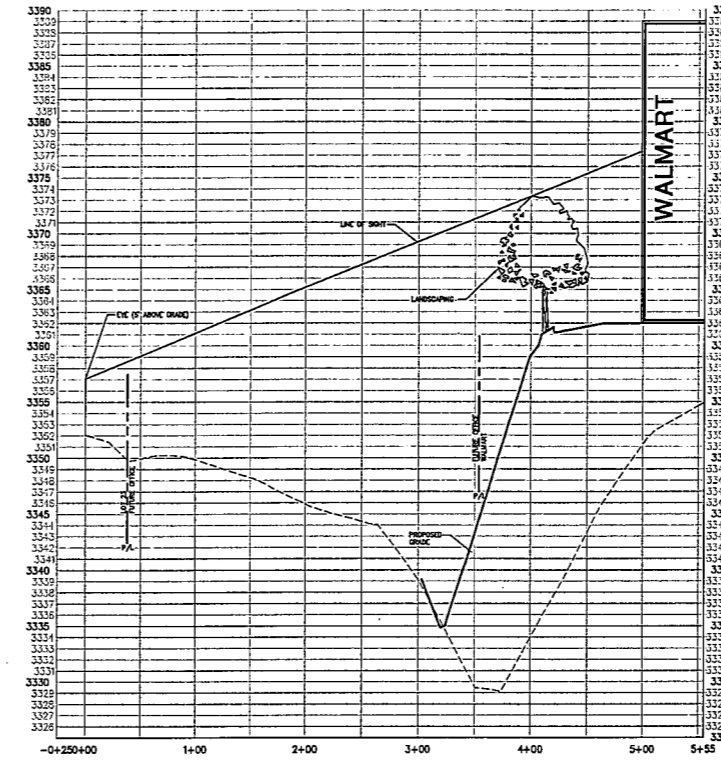
SL-4

OF SHEETS

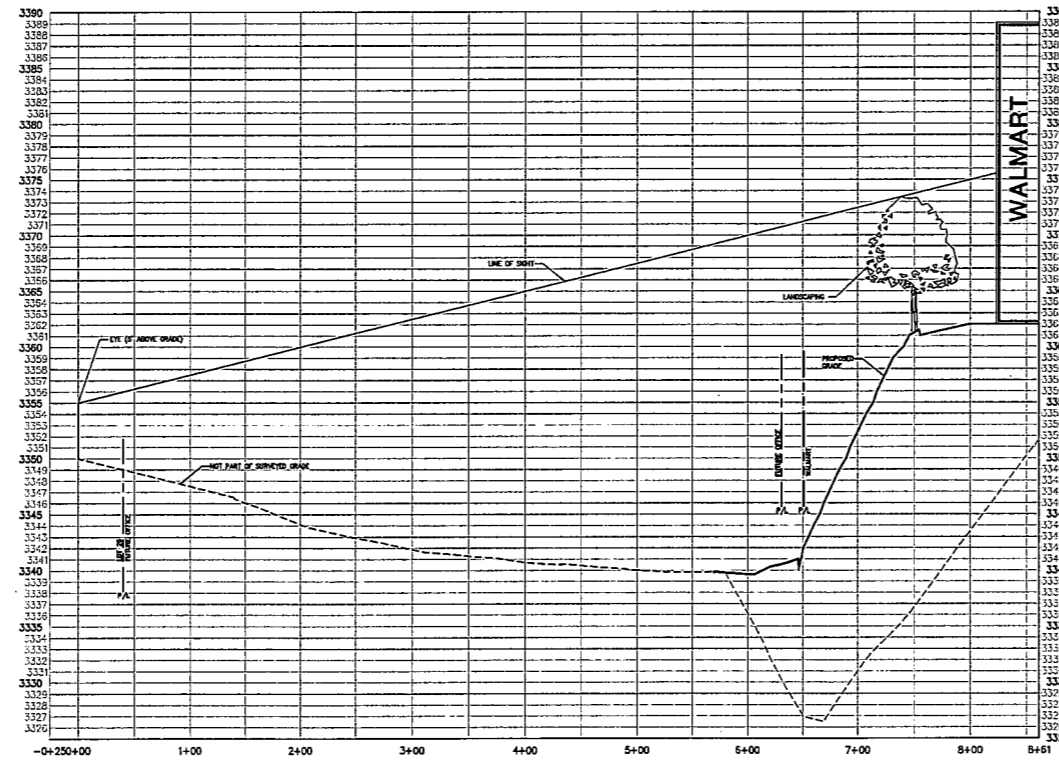




SIGHT LINE LOT 20
scale: 1"=60' horizontal
1"=6' vertical

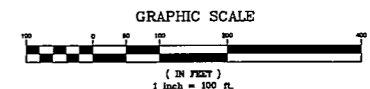


SIGHT LINE LOT 23
scale: 1"=60' horizontal
1"=6' vertical



SIGHT LINE LOT 26
scale: 1"=60' horizontal
1"=6' vertical

SIGHTLINE PROFILES

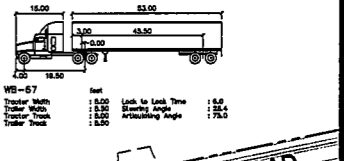
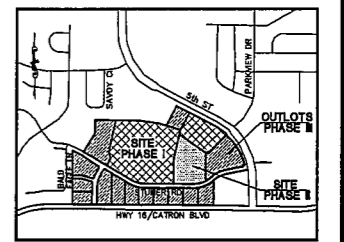
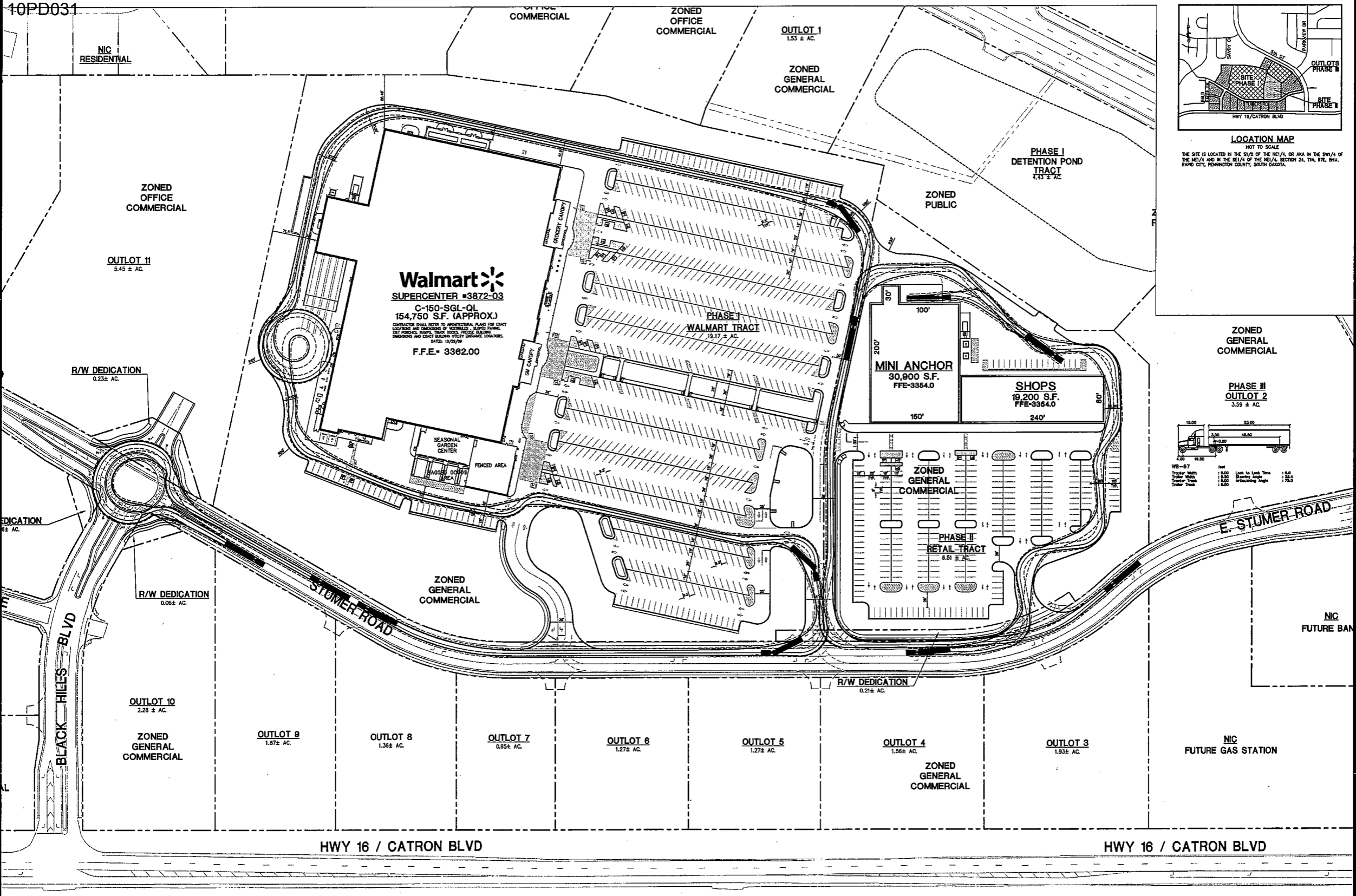


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REVISIONS	BY

DRAWN BY: DMN
CHECKED BY: KJW
DATE: 03/10/2010
SCALE: AS NOTED
JOB No.: 08-140
SHEET NUMBER:





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 618 Superior Blvd., Suite 100, Rapid City, SD 57701-4670
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DRAWN BY: DMN
 CHECKED BY: KJW
 DATE: 03/19/2010
 SCALE: 1" = 60'
 JOB NO.: 08-140
 SHEET NUMBER

TR-1
 OF SHEETS



OPERATIONAL SITE PLAN

GRAPHIC SCALE

(IN FEET)
 1 inch = 60 ft

08-140 V4-TR-1_TROVOLDWG
 10/29/09 - Rev 24, 2010 - 2:13pm
 2 Day Plot/Print/Vent/Plot/08-140-V4-TR-1_TROVOLDWG