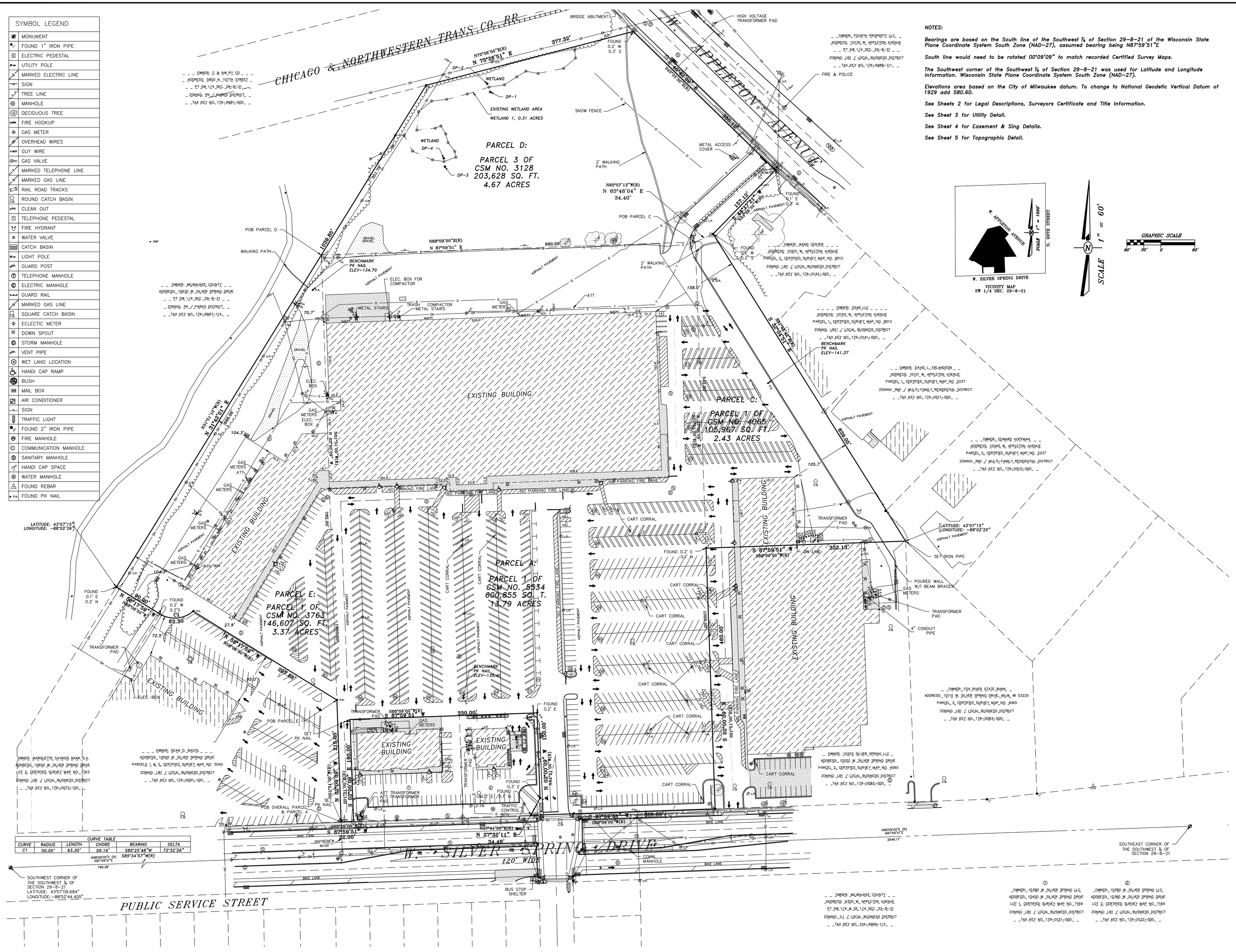
SYMBOL LEGEND
MONUMENT
FOUND 1" IRON PIPE
ELECTRIC PEDESTAL
UTILITY POLE
MARKED ELECTRIC LINE
SIGN
TREE LINE
MANHOLE
DECIDUOUS TREE
FIRE HOOKUP
GAS METER
OVERHEAD WIRES
GUY WIRE
GAS VALVE
MARKED TELEPHONE LINE
MARKED GAS LINE
RAIL ROAD TRACKS
ROUND CATCH BASIN
CLEAN OUT
TELEPHONE PEDESTAL
FIRE HYDRANT
WATER VALVE
CATCH BASIN
LIGHT POLE
GUARD POST
TELEPHONE MANHOLE
ELECTRIC MANHOLE
GUARD RAIL
MARKED GAS LINE
SQUARE CATCH BASIN
ECLECTIC METER
DOWN SPOUT
STORM MANHOLE
VENT PIPE
WET LAND LOCATION
HANDI CAP RAMP
BUSH
MAIL BOX
AIR CONDITIONER
SIGN
TRAFFIC LIGHT
FOUND 2" IRON PIPE
FIRE MANHOLE
COMMUNICATION MANHOLE
SANITARY MANHOLE
HANDI CAP SPACE
WATER MANHOLE
FOUND REBAR
FOUND PK NAIL



NOTES:

Bearings are based on the South line of the Southwest ¼ of Section 29-8-21 of the Wisconsin State Plane Coordinate System South Zone (NAD-27), assumed bearing being N87°59'51"E

South line would need to be rotated 00°09'09" to match recorded Certified Survey Maps.

The Southwest corner of the Southwest ¼ of Section 29-8-21 was used for Latitude and Longitude information. Wisconsin State Plane Coordinate System South Zone (NAD-27).

Elevations area based on the City of Milwaukee datum. To change to National Geodetic Vertical Datum of 1929 add 580.60.

See Sheets 2 for Legal Descriptions, Surveyors Certificate and Title Information.

See Sheet 3 for Utility Detail.

See Sheet 4 for Easement & Sing Details.

See Sheet 5 for Topographic Detail.

ALTA/ACSM LAND TITLE SURVEY

WAL-MART STORES, INC.

2001 S.E. 10TH STREET — 479-204-2106 — BENTONVILLE, AR 72716

FILE NAME: T:\LAND PROJECTS\10091 - TIMMERMAN\DWG\10091A1.DWG — JOB NUMBER: 08-15-10-093

McClure Engineering Associates, Inc.
5417 North 118th Court
Milwaukee, Wisconsin 53225
(414) 616-4880
FAX (414) 616-4885

PLOTTING SCALE: 1" = 60'
DESIGNED BY:
DRAWN BY: MBM
CHECKED BY:
DATE: OCTOBER 21, 2010

REVISIONS		
NO.	ITEM	DATE

SHEET NO.

1 of 5

08-15-10-093

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Exhibit "A"

PARCEL A:

Parcel 1 of Certified Survey Map No. 5534, recorded on April 11, 1991, on Reel 2555, 629 to 631 inclusive, as Document No. 6471812, being a division of that part of the Southeast 1/4 and the Southwest ¼ of the Southwest 1/4 of Section 29, Township 8 North, Range 21 East, City of Milwaukee, County of Milwaukee, State of Wisconsin, bounded and described as follows: Commencing at the Southwest corner of the Southwest ¼ of said Section; thence N87°59'51"E along the South line of the Southwest ¼ of said Section 798.28 feet; thence N02°00'09"W 60.00 feet to the point of beginning, said point also being on the North right-of-way line of W. Silver Spring Drive; thence continuing N02°00'09"W 1000.00 feet; thence N87°59'51"E 660.00 feet; thence S02°00'09"E 1000.00 feet to a point on the North right-of-way line of said Drive; thence S87°59'51"W along the North right-of-way line of said Drive 325.00 feet; thence N27°32'11"E 34.48 feet; thence N02°00'09"W 150.00 feet; thence S87°59'51"W 330.00 feet; thence S02°00'09"E 180.00 feet to a point on the North right-of-way line of said Drive; thence S87°59'51"W along the North right-of-way line of said Drive 22.00 feet to the point of beginning.

Tax Key No. 179-0111-X

ADDRESS: 10316-10350 West Silver Spring Drive

PARCEL B:

Easement for the benefit of Parcels A and C created by Warranty Deed recorded as Document No. 4417894, as amended, restated and clarified by sign Easement Agreement dated May 31, 1991 and recorded on July 18, 1991, on Reel 2595, Image 688, as Document No. 6503158 for the use and maintenance of signs, as provided for therein.

PARCEL C:

Parcel 1 of Certified Survey Map No. 4065, recorded on July 16, 1981, on Reel 1389, Images 701 to 706 inclusive, as Document No. 5488644, a Redivision of Parcel 2 of Certified Survey Map No. 3128, being a part of the SW 1/4, SE 1/4, NW 1/4 and the NE 1/4 of the SW 1/4 of Section 29, Township 8 North, Range 21 East, in the City of Milwaukee, County of Milwaukee, State of Wisconsin, and Parcel 2 of Certified Survey Map No. 3331, being a division of Parcel 1 of Certified Survey Map No. 3128, being a part of the SW 1/4, SE 1/4, NW 1/4 and the NE 1/4 of the SW 1/4 of Section 29, Township 8 North, Range 21 East, in the City of Milwaukee, County of Milwaukee, State of Wisconsin, bounded and described as follows: Commencing at the Southwest corner of the Southwest ¼ of said Section; thence N87°59'51"E along the South line of the Southwest ¼ of said Section 798.28 feet; thence N02°00'09"W 1060.00 feet; thence N87°59'51"E 660.00 feet to the point of beginning; thence N65°48'04"E 34.40 feet; thence S32°04'51"E 639.05 feet; thence S87°59'51"W 352.13 feet; thence N02°00'09"W 540.00 feet to the point of beginning.

Tax Key No. 179-0081-8

ADDRESS: 10202R West Silver Spring Drive

PARCEL D:

Parcel 3 of Certified Survey Map No. 3128, recorded on July 28, 1977, on Reel 1035, Image 712, as Document No. 5125384, being part of the SW 1/4, SE 1/4, NW 1/4 and the NE 1/4 of the SW 1/4 of Section 29, Township 8 North, Range 21 East, in the City of Milwaukee, County of Milwaukee, State of Wisconsin, bounded and described as follows: Commencing at the Southwest corner of the Southwest ¼ of said Section; thence N87°59'51"E along the South line of the Southwest ¼ of said Section 798.28 feet; thence N02°00'09"W 1060.00 feet to the point of beginning; thence N31°42'01"E 351.79 feet to a point on the Southerly righ-of-way line of the Chicago & Northwestern Transportation Company Railway; thence N75°26'51"E along the Southerly right-of-way line of said Railway 377.32 feet to a point on the Southwesterly right-of-way line of W. Appleton Avenue; thence S45°42'39"E along the Southwesterly right-of-way line of said Avenue 350.12 feet; thence S44°17'21"W 157.12 feet; thence S65°48'04"W 34.40 feet; thence S87°59'51"W 660.00 feet to the point of beginning.

Tax Parcel No. 179-0033-6

ADDRESS: 10223 West Appleton Avenue

PARCEL E:

Parcel 1 of Certified Survey Map No. 3763, recorded on October 30, 1979, on Reel 1255, Image 84, as Document No. 5360588, being a division of Parcel 2 of Certified Survey Map No. 3164, being a part of the Southwest 1/4 of the Southwest 1/4 of Section 29, Township 8 North, Range 21 East, City of Milwaukee, County of Milwaukee, State of Wisconsin, bounded and described as follows: Commencing at the Southwest corner of the Southwest ¼ of said Section; thence N87°59'51"E along the South line of the Southwest ¼ of said Section 798.28 feet; thence N02°00'09"W 275.00 feet to the point of beginning; thence N58°17'59"W 297.88 feet; thence Westerly along an arc of a curve, whose center lies to the Northwest, whose radius is 50.00 feet, whose chord bears S85°25'48"W 59.16 feet, a distance of 63.30 feet to a point of tangency; thence N59°17'59"W 90.00 feet; thence N31°42'01"E 688.06 feet; thence S02°00'09"E 785.00 feet to the point of beginning.

Tax Key No. 179-0071-3

ADDRESS: 10426-10448 West Silver Spring Drive

PARCEL F:

Easement for the benefit of Parcels A, C, D and E created by Warranty Deed recorded as Document No. 4417894, as amended, restated and clarified by Reciprocal Cross-Easement Agreement dated October 10, 1980, and recorded on March 26, 1981, on Reel 1364, Image 1452, as Document No. 5465101, and Amendment to Reciprocal Cross-Easement Agreement dated January 10, 2002 and recorded on January 18, 2002, on Reel 5245, Image 4387, as Document No. 8206119, for ingress and egress and parking, as provided for therein.

Combined Legal Description:

Parcel 1 of Certified Survey Map No. 5534, Parcel 1 of Certified Survey Map No. 4065, Parcel 3 of Certified Survey Map No. 3128 and Parcel 1 of Certified Survey Map No. 3763, all being a part of the Northeast ¼, Southeast ¼, Southwest ¼, and Northwest ¼ of the Southwest ¼ of Section 29, Town 8 North, Range 21 East, City of Milwaukee, Milwaukee County, Wisconsin, bounded and described as follow: Commencing at the Southwest corner of the Southwest ¼ of said Section; thence N87°59'51"E along the South line of the Southwest ¼ of said Section 798.28 feet; thence N02°00'09"W 60.00 feet to the point of beginning, said point also being on the North right-of-way line of W. Silver Spring Drive; thence continuing N02°00'09"W 215.00 feet; thence N58°17'59"W 297.88 feet; thence Southwesterly along an arc of a curve, whose center lies to the Northwest, whose radius is 50.00 feet, whose chord bears S85°25'48"W 59.16 feet, a distance of 63.30 feet to a point of tangency; thence N58°17'59"W 90.00 feet; thence N31°42'01"E 1039.85 feet to a point on the Southerly righ-of-way line of the Chicago & Northwestern Transportation Company Railway; thence N75°26'51"E along the Southerly right-of-way line of said Railway 377.32 feet to a point on the Southwesterly right-of-way line of W. Appleton Avenue; thence S45°42'39"E along the Southwesterly right-of-way line of said Avenue 350.12 feet; thence S44°17'21"W 157.12 feet; thence S32°04'51"E 639.05 feet; thence S87°59'51"W 352.13 feet; thence S02°00'09"E 460.00 feet to a point on the North right-of-way line of said Drive; thence S87°59'51"W along the North right-of-way line of said Drive 325.00 feet; thence N27°32'11"E 34.48 feet; thence N02°00'08"W 150.00 feet; thence S87°59'51"W 330.00 feet; thence S02°00'09"E 180.00 feet to a point on the North right-of-way line of said Drive; thence S87°59'51"W along the North right-of-way line of said Drive 22.00 feet to the point of beginning.

SURVEYOR'S CERTIFICATE:

TO Gatlin Development Co., a California corporation, Wal-Mart Real Estate Business Trust, First American Title Insurance Company:

THIS IS TO CERTIFY THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT IS BASED WERE MADE IN ACCORDANCE WITH "MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/ACSM LAND TITLE SURVEYS," JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS IN 2005, AND INCLUDES ITEMS 1, 2, 3, 4, 5, 6, 7(a), 8, 9, 10, 11(b), 13, 16 and 18 OF TABLE A THEREOF. PURSUANT TO THE ACCURACY STANDARDS AS ADOPTED BY ALTA, NSPS, AND IN EFFECT ON THE DATE OF THIS CERTIFICATION, UNDERSIGNED FURTHER CERTIFIES THAT IN MY PROFESSIONAL OPINION, AS A LAND SURVEYOR REGISTERED IN THE STATE OF WISCONSIN, THE RELATIVE POSITIONAL ACCURACY OF THIS SURVEY DOES NOT EXCEED THAT WHICH IS SPECIFIED THEREIN.

DATE: January 12, 2010

SIGNED: _____

MARK D. NESGOOD S-1967

TABLE A
OPTIONAL SURVEY RESPONSIBILITIES AND SPECIFICATIONS

1. Monuments placed (or a reference monument or witness to the corner) at all major corners of the boundary of the property, unless already marked or referenced by an existing monument or witness to the corner - Shown on Survey.

2. Vicinity map showing the property surveyed in reference to nearby highway(s) or major street intersection(s) - Shown on Survey.

3. Flood zone designation (with proper annotation based on Federal Flood Insurance Rate Maps or the state or local equivalent, by scaled map location and graphic plotting only.) Property is not in a Flood area (Zone X) per FIMA Map Number 55079C0056E, dated September 26, 2008.

4. Land area as specified by the client - Parcel A: 600,855 sq. ft. / 13.7937 acres, Parcel C: 105,963 sq. ft. / 2.4326 acres, Parcel D: 203,628 sq. ft. / 4.6747 acres, Parcel E 146,607 sq. ft. / 3.366 acres.

5. Contours and the datum of the elevations - Elevations are based on the City of Milwaukee Datum. Add 580.60 feet to convert to NGVD 1919 Datum.

6. Identify and show if possible, setback, height, and floor space area restrictions of record or disclosed by applicable zoning or building codes (in addition to those recorded in subdivision maps). If none, so state.

Per the City of Milwaukee, Zoning Code the property is zoned LB2 / Local Business Districts

"LOCAL BUSINESS DISTRICTS (LB1-LB2). These districts provide a wide range of goods and services to a large consumer population coming from an extensive area. Within these districts, motor-vehicle-related activities are of major significance. Good access by motor vehicle or public transit is important to local business districts, which are often located adjacent to intersections of major thoroughfares and in closed proximity to bus transfer locations. The LB1 district is characterized by a more suburban development pattern, with larger lots and deeper setbacks, while the development pattern in LB2 district tends to be more urban, with smaller lots and smaller setbacks."

Front setback, minimum - average / Front setback, maximum - 70'
Side street setback, minimum - none / Side street setback, maximum - 25'
Rear street setback, minimum - none / Rear street setback, maximum - none
Side setback, minimum - none / Side setback, maximum - none
Rear setback, minimum - none / Rear setback, maximum - none
Height, minimum - 18' / Height, maximum - 45'
Lot area per dwelling unit, minimum (sq. ft.) 1,200

7.(a) Exterior dimensions of all buildings at ground level - Shown on Survey.

8. Substantial, visible improvements (in addition to buildings) such as signs, parking areas or structures, swimming pools, etc - Shown on Survey.

9. Parking areas and, if striped, the striping and the type (e.g. handicapped, motorcycle, regular, etc.) and number of parking spaces - 907 regular parking spaces and 28 handicap parking spaces / 1.0 to 3.5 spaces required per 1000 sq. ft. of building space.

10. Indication of access to a public way such as curb cuts and driveways - Shown on Survey.

11. Location of utilities (representative examples if which are shown below) existing on or serving the surveyor property as determined by:

(b) Observed evidence together with plans and markings provided by client, utility companies, and other appropriate sources (with reference as to the source of information)

* Railroad tracks and sidings:
* Manholes, catch basins, valve vaults or other surface indications of subterranean uses;
* Wires and cables (including their function) crossing the surveyed premises, all poles on or within ten feet of the surveyed premises, and the dimensions of all crosswires or overhangs affecting the surveyed premises; and
* Utility company installations on the surveyed premises.

Shown on Survey.

13. Names of adjoining owners of platted lands - Shown on Survey.

16. Observable evidence of earth moving work, building construction or building additions within recent months - None observed.

18. Observable evidence of site used as a solid waste dump, sump or sanitary landfill - None observed.

Parcel 1 of Certified Survey Map No. 5534, Parcel 1 of Certified Survey Map No. 4065, Parcel 3 of Certified Survey Map No. 3128 and Parcel 1 of Certified Survey Map No. 3763 are contiguous with no hiatuses or overlaps, gaps or gores.

All parcels are zoned LB1 / Local Business Districts.

Property address for Parcel A: 10316-10350 West Silver Spring Drive
Property address for Parcel C: 10202R West Silver Spring Drive
Property address for Parcel D: 10223 West Appleton Avenue
Property address for Parcel E: 10426-10448 West Silver Spring Drive

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Schedule B Section Exceptions from the Title Commitment prepared by First American Title Insurance Company, Commitment No. NCS-442593-MAD, Revision No. 2, dated September 30, 2010.

SCHEDULE B - SECTION TWO - EXCEPTIONS

#10. Rights of tenants, as tenants only, under unrecorded lease agreements.

#11. Title to that portion of the insured premises laid out, taken, dedicated or used for street, alley or highway purposes.

#12. Restriction against voluntary lot division without Common Council's approval contained in Certified Survey Map No.'s 3128, 3164 and 3331. (In consideration of the approval of the map by the Common Council, the undersigned covenants and agrees to and with the City of Milwaukee that no lot or parcel as hereon set forth shall at any time subsequent to the recording of this map be in any manner divided, described or conveyed so as to result in lots, parcels or building sites having dimensions, areas or courses other than as herein set forth, unless said divisions, descriptions or conveyances are fist approved by the Common Council of the City of Milwaukee, and that such restrictions are binding on the undersigned, his, her, or their heirs and assigns. Such approval, however, shall no be required for the taking of land for public purposes."

#13. Restriction as contained in Certified Survey Map No.'s 3128, 3331 and 4065 providing that all utility lines to provide electric power and telephone service to all parcels in the map shall be installed underground in easements provided therefore.

#14. Restriction as contained on Certified Survey Map No. 3763 reciting as follows: In consideration of the approval of this map by the Common Council and in accordance with Chapter 9 of the Milwaukee Code of Ordinances, the undersigned agrees: a. That all utility lines to provide electric power and telephone services and cable to all parcels in the map shall be installed underground in easements provided therefore where feasible.

#15. Restriction as contained on Certified Survey Map No. 5534 reciting as follows: In consideration of the approval of this map by the Common Council and in accordance with Chapter 119 of the Milwaukee Code of Ordinances, the undersigned agrees: a. That all utility lines to provide electric power and telephone services and cable television or communications systems lines or cables to all lots in the certified survey map shall be installed underground in easements provided therefore.

#16. Easement for sewer and water as contained in Certified Survey Map No. 4065 - Shown on Survey.

#17. Utility easement granted to The Milwaukee Electric Railway and Light Company by instrument dated May 8, 1925 and recorded on December 4, 1925, in Volume 1112, Page 236, as Document No. 1397881 - Easement is along Silver Spring, no exact location given, not Shown on Survey.

#18. Utility easement granted to The Milwaukee Electric Railway and Light Company by instrument dated October 2, 1925 and recorded on December 4, 1925, in Volume 1112, Page 237, as Document No. 1397882 - Easement is along Silver Spring, no exact location given, not Shown on Survey.

#19. Utility easement granted to Wisconsin Electric Power Company by instrument dated April 18, 1941 and recorded on June 12, 1941, in Volume 1733, Page 494, as Document No. 2318959 - Easement is call out in the Southwest ¼, no exact location given, not Shown on Survey.

#20. Limited Highway Easement and Access Rights acquired by the State of Wisconsin under Award of Damages dated January 20, 1966 and recorded on January 31, 1966, in Reel 291, Image 2505, as Document No. 4234976 - Shown on Survey.

#21. Utility easement granted to Wisconsin Electric Power Company and Wisconsin Telephone Company by instrument dated September 1, 1967 and recorded on September 15, 1967, in Reel 380, Image 140, as Document No. 4344225 - Shown on Survey.

#22. Utility easement granted to Wisconsin Electric Power Company by instrument dated February 22, 1968 and recorded on March 12, 1968, in Reel 408, Image 275, as Document No. 4378535 - Shown on Survey.

#23. Utility easement granted to Wisconsin Electric Power Company and Wisconsin Telephone Company by instrument dated May 6, 1970 and recorded on June 4, 1970, in Reel 533, Image 2065, as Document No. 4528886 - Shown on Survey.

#24. Terms and provisions of non-exclusive easement for parking purposes set forth in Warranty Deed dated September 16, 1968 and recorded on September 18, 1968, in Reel 440, Image 1519, as Document No. 4417894 - Exhibit A not attached, unable to locate Parcel II, Not Shown on Survey.

#25. Easement Agreement dated January 26, 1973 and recorded on February 1, 1973, in Reel 702, Image 869, as Document No. 4737639 - Shown on Survey.

#26. Limited Easement Grant dated March 31, 1978 and recorded on April 4, 1978, in Reel 1099, Image 270, as Document No. 5199253 - Shown on Survey.

#27. Party Wall Agreement dated January 24, 1981 and recorded on March 16, 1981, in Reel 1362, Image 1663, as Document No. 5463209 - Shown on Survey.

#28. Reciprocal Cross-Easement Agreement dated October 10, 1980 and recorded on March 26, 1981, in Reel 1364, Image 1452, as Document No. 5465101.

Amendment to Reciprocal Cross-Easement Agreement dated January 10, 2002 and recorded on January 18, 2002, as Document No. 5206119. - Shown on Survey.

#29. Easement set forth in instrument dated December 29, 1981 and recorded on December 31, 1981, in Reel 1421, Image 1375, as Document No. 5518829 - Shown on Survey.

#30. Easement set forth in instrument dated September 14, 1981, and recorded on January 27, 1982, in Reel 1425, Image 1920, as Document No. 5522880 - Shown on Survey.

#31. Utility easement granted to Wisconsin Electric Power Company by instrument dated October 21, 1981 and recorded on November 25, 1981, in Reel 1416, Image 94, as Document No. 5513369 - Shown on Survey.

#32. Declaration of Restriction dated November 3, 1983 and recorded on December 9, 1983, in Reel 1594, Image 746, as Document No. 5677308 - Restriction to what may be sold on Parcel 1 of Certified Survey Map No. 4065.

#33. Settlement Agreement dated November 3, 1983 and recorded on December 14, 1983, in Reel 1595, Image 1593, as Document No. 5678486 - Shown on Survey.

#34. Utility easement granted to Wisconsin Electric Power Company by instrument dated December 2, 1981 and recorded on January 20, 1982, in Reel 1424, Image 1489, as Document No. 5521706 - Shown on Survey.

#35. Declaration of Restrictions dated January 26, 1984 and recorded on May 3, 1984, in Reel 1653, Image 958, as Document No. 5713467 - Restriction as to change of configuration of parking area, affects Parcel A and Parcel C.

#36. Right-of-Way Non-Exclusive Easement disclosed by Tri-Party Agreement dated October 23, 1967 and recorded on September 18, 1968, in Reel 440, Image 1509, as Document No. 4417893 - Shown on Survey.

#37. Utility easement granted to Wisconsin Gas Company by instrument dated February 18, 1981 and recorded on March 17, 1981, in Reel 1363, Image 118, as Document No. 5463272 - Shown on Survey.

#38. Rights of the railroad company servicing the railroad siding located on the subject premises in and to the ties, rails and other properties constituting said railroad siding or in and to the use thereof, and also rights of others entitled thereto, in and to the use thereof - No railroad equipment observed on site.

#39. Declaration of Restrictions dated May 31, 1991 and recorded on July 18, 1991, in Reel 2595, Image 664, as Document No. 6503155 - Shown on Survey.

#40. Driveway Easement Agreement dated May 31, 1991 and recorded on July 18, 1991, in Reel 2595, Image 670, as Document No. 6503156 - Shown on Survey.

#41. Utility Easement and Use Agreement dated May 31, 1991 and recorded on July 18, 1991, in Reel 2595, Image 679, as Document No. 6503157 - Shown on Survey.

#42. Sign Easement Agreement dated May 31, 1991 and recorded on July 18, 1991, in Reel 2595, Image 688, as Document No. 6503158 - Shown on Survey.

#43. Declaration of Easement dated January 23, 1996 and recorded on April 2, 1996, in Reel 3768, Image 1129, as Document No. 7199713 - Shown on Survey.

#44. Ameritech General Easement dated June 6, 2002 and recorded on July 31, 2002, as Document No. 8322457 - Shown on Survey.

UTILITY / GOVERNMENTAL CONTACT LIST

ZONING:
841 N. BROADWAY
MILWAUKEE, WI 53202-3616
(414) 286-8210 (PHONE)

PLANNING REQUIREMENTS:
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809 N. BROADWAY
MILWAUKEE, WI 53202-3616
(414) 286-6076

STORMWATER:
TIM THUR
841 N. BROADWAY
MILWAUKEE, WI 53202-3616
(414) 286-2463

SANITARY:
GREG HOTSON
SUPERVISOR
841 N. BROADWAY
MILWAUKEE, WI 53202-3616
(414) 286-0511

TELEPHONE:
AMERITECH
MOZELLA MRYLES
7721 W. FOND DU LAC, 1ST FLOOR
MILWAUKEE, WI 53218
(414) 535-7404

BUILDING CODE:
841 N. BROADWAY
MILWAUKEE, WI 53202-3616
(414) 286-8210 (PHONE)

CITY ENGINEER:
JEFFERY S. POLENSKE
841 N. BROADWAY
MILWAUKEE, WI 53202-3616
(414) 286-2400

WATER:
MARK SCHELLAR
841 N. BROADWAY
MILWAUKEE, WI 53202-3616
(414) 286-2427

NATURAL GAS:
WE ENERGIES
3100 W. NORTH AVENUE
MILWAUKEE, WI 53208
(414) 449-3002

ELECTRIC:
WE ENERGIES
3100 W. NORTH AVENUE
MILWAUKEE, WI 53270
(414) 362-3002

ALTA/ACSM LAND TITLE SURVEY

WAL-MART STORES, INC.

2001 S.E. 10TH STREET — BENTONVILLE, AR 72716
479-204-6186

FILE NAME: T:\LAND PROJECTS\10091 - TIMMERMAN\DWG\10091A1.DWG — JOB NUMBER: 08-15-10-091

McClure Engineering Associates, Inc.
5417 North 118th Court
Milwaukee, Wisconsin 53225
(414) 616-6565
FAX (414) 616-6565

PLOTTING SCALE: 1" = 60'
DESIGNED BY:
DRAWN BY: MDN
CHECKED BY:
DATE: OCTOBER 21, 2010

REVISIONS

NO.	ITEM	DATE

SHEET NO.
2 of 5

08-15-10-091

SYMBOL LEGEND
MONUMENT
FOUND 1" IRON PIPE
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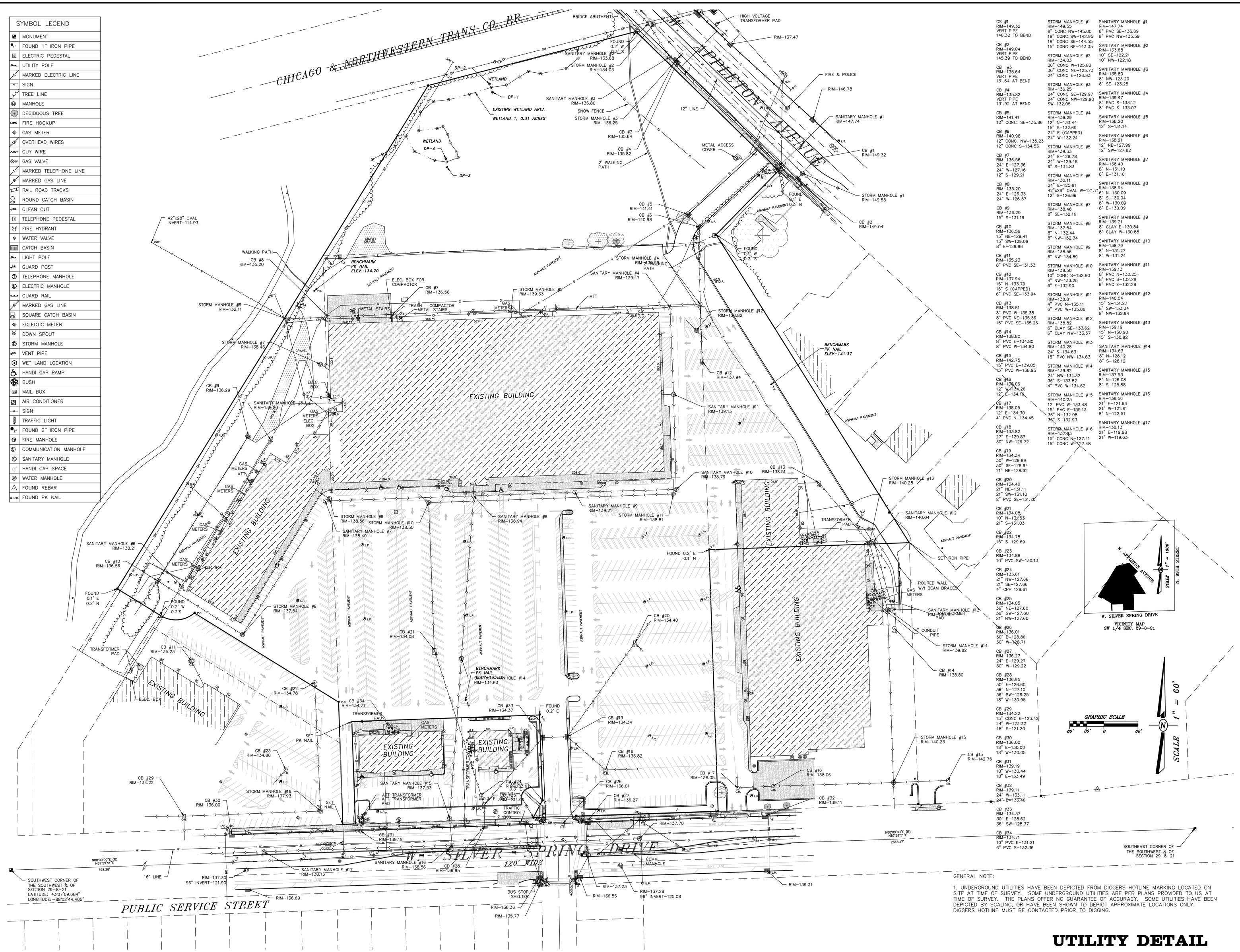
FOUND PK NAIL



CS #1 RIM-149.32 VERT PIPE 146.32 TO BEND
CB #2 RIM-149.04 VERT PIPE 145.39 TO BEND
CB #3 RIM-135.64 VERT PIPE 131.64 AT BEND
CB #4 RIM-135.82 VERT PIPE 131.92 AT BEND
CB #5 RIM-141.41 12" CONC. SE-135.86
CB #6 RIM-140.98 12" CONC. NW-135.23 12" CONC S-134.53
CB #7 RIM-136.56 24" E-127.36 24" W-127.16 12" S-129.21
CB #8 RIM-135.20 24" E-126.33 24" W-126.37
CB #9 RIM-136.29 15" S-131.19
CB #10 RIM-136.56 15" NE-129.41 15" SW-129.06 8" E-129.96
CB #11 RIM-135.23 8" PVC SE-131.33
CB #12 RIM-137.94 15" N-133.79 15" S (CAPPED) 6" PVC SE-133.94
CB #13 RIM-138.51 8" PVC W-135.38 8" PVC NE-135.36 15" PVC SE-135.26
CB #14 RIM-138.80 8" PVC E-134.80 8" PVC W-134.80
CB #15 RIM-142.75 15" PVC E-139.05 15" PVC W-138.95
CB #16 RIM-138.06 12" W-134.26 12" E-134.16
CB #17 RIM-138.05 12" E-134.30 4" PVC N-134.45
CB #18 RIM-133.82 27" E-129.87 30" NW-129.72
CB #19 RIM-134.34 30" W-128.89 30" SE-128.94 21" NE-128.92
CB #20 RIM-134.40 21" NE-131.11 21" SW-131.10 2" PVC SE-131.76
CB #21 RIM-134.08 10" N-133.53 21" S-131.03
CB #22 RIM-134.78 15" S-129.69
CB #23 RIM-134.88 10" PVC SW-130.13
CB #24 RIM-133.61 21" NW-127.66 21" SE-127.66 4" CPP 129.61
CB #25 RIM-134.05 36" NE-127.60 36" SW-127.60 21" NW-127.60
CB #26 RIM-136.01 30" E-128.86 30" W-128.71
CB #27 RIM-136.27 24" E-129.27 30" W-129.22
CB #28 RIM-136.95 30" E-126.60 36" N-127.10 36" SW-126.25 18" W-130.95
CB #29 RIM-134.22 15" CONC E-123.42 24" W-123.32 48" S-121.20
CB #30 RIM-136.00 18" E-130.00 18" W-130.05
CB #31 RIM-139.19 18" W-133.44 18" E-133.49
CB #32 RIM-139.11 24" W-133.11 24" E-133.46
CB #33 RIM-134.37 30" E-128.62 36" SW-128.37
CB #34 RIM-134.71 10" PVC E-131.21 6" PVC S-132.36

STORM MANHOLE #1 RIM-149.55 8" CONC NW-145.00 18" CONC SW-142.95 18" CONC SE-144.55 15" CONC NE-143.35
STORM MANHOLE #2 RIM-134.03 36" CONC W-125.83 36" CONC NE-125.73 24" CONC E-126.93
STORM MANHOLE #3 RIM-136.25 24" CONC SE-129.97 24" CONC NW-129.90 SW-132.05
STORM MANHOLE #4 RIM-139.29 12" N-133.44 15" S-132.69 24" E (CAPPED) 24" W-132.24
STORM MANHOLE #5 RIM-139.33 24" E-129.78 24" W-129.48 6" S-134.83
STORM MANHOLE #6 RIM-132.11 24" E-125.81 42"x28" OVAL W-121.71 12" S-126.96
STORM MANHOLE #7 RIM-138.46 8" SE-132.16
STORM MANHOLE #8 RIM-137.54 8" N-132.44 8" NW-132.34
STORM MANHOLE #9 RIM-138.56 6" NW-134.89
STORM MANHOLE #10 RIM-138.50 10" CONC S-132.80 4" NW-133.25 6" E-132.90
STORM MANHOLE #11 RIM-138.81 4" PVC N-135.11 6" PVC W-135.06
STORM MANHOLE #12 RIM-138.82 6" CLAY SE-133.62 6" CLAY NW-133.57
STORM MANHOLE #13 RIM-140.28 24" S-134.63 15" PVC NW-134.63
STORM MANHOLE #14 RIM-139.82 24" NW-134.32 36" S-133.82 4" PVC W-134.62
STORM MANHOLE #15 RIM-140.23 12" PVC W-133.48 15" PVC E-135.13 36" N-132.98 36" S-132.93
STORM MANHOLE #16 RIM-137.93 15" CONC N-127.41 15" CONC W-127.48

SANITARY MANHOLE #1 RIM-147.74 8" PVC SE-135.69 8" PVC NW-135.59
SANITARY MANHOLE #2 RIM-133.68 10" SE-122.21 10" NW-122.18
SANITARY MANHOLE #3 RIM-135.80 8" NW-123.20 8" SE-123.25
SANITARY MANHOLE #4 RIM-139.47 8" PVC S-133.12 8" PVC S-133.07
SANITARY MANHOLE #5 RIM-138.20 12" S-131.14
SANITARY MANHOLE #6 RIM-138.21 12" NE-127.99 12" SW-127.82
SANITARY MANHOLE #7 RIM-138.40 8" N-131.10 8" E-131.16
SANITARY MANHOLE #8 RIM-138.94 6" N-130.09 8" S-130.04 8" W-130.09 8" E-130.09
SANITARY MANHOLE #9 RIM-139.21 8" CLAY E-130.84 8" CLAY W-130.85
SANITARY MANHOLE #10 RIM-138.79 8" N-131.27 8" W-131.24
SANITARY MANHOLE #11 RIM-139.13 8" PVC N-132.25 8" PVC S-132.28 6" PVC E-132.28
SANITARY MANHOLE #12 RIM-140.04 15" S-131.27 8" SW-133.34 8" NW-132.94
SANITARY MANHOLE #13 RIM-139.19 15" N-130.90 15" S-130.92
SANITARY MANHOLE #14 RIM-134.63 8" N-128.12 8" S-128.12
SANITARY MANHOLE #15 RIM-137.53 8" N-126.08 8" S-125.88
SANITARY MANHOLE #16 RIM-138.56 21" E-121.66 21" W-121.61 8" N-122.51
SANITARY MANHOLE #17 RIM-138.13 21" E-119.68 21" W-119.63

GENERAL NOTE:

1. UNDERGROUND UTILITIES HAVE BEEN DEPICTED FROM DIGGERS HOTLINE MARKING LOCATED ON SITE AT TIME OF SURVEY. SOME UNDERGROUND UTILITIES ARE PER PLANS PROVIDED TO US AT TIME OF SURVEY. THE PLANS OFFER NO GUARANTEE OF ACCURACY. SOME UTILITIES HAVE BEEN DEPICTED BY SCALING, OR HAVE BEEN SHOWN TO DEPICT APPROXIMATE LOCATIONS ONLY. DIGGERS HOTLINE MUST BE CONTACTED PRIOR TO DIGGING.

UTILITY DETAIL

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ALTA/ACSM LAND TITLE SURVEY

WAL-MART STORES, INC.

2001 S.E. 10TH STREET — 479-204-5106 — BENTONVILLE, AR 72716

FILE NAME: T:\LAND PROJECTS\10091 - THANEMAN\DWG\10091A1.DWG — JOB NUMBER: 08-15-10-093

McClure Engineering Associates, Inc.
5417 North 118th Court
Milwaukee, Wisconsin 53225
(414) 616-4880
FAX (414) 616-4885

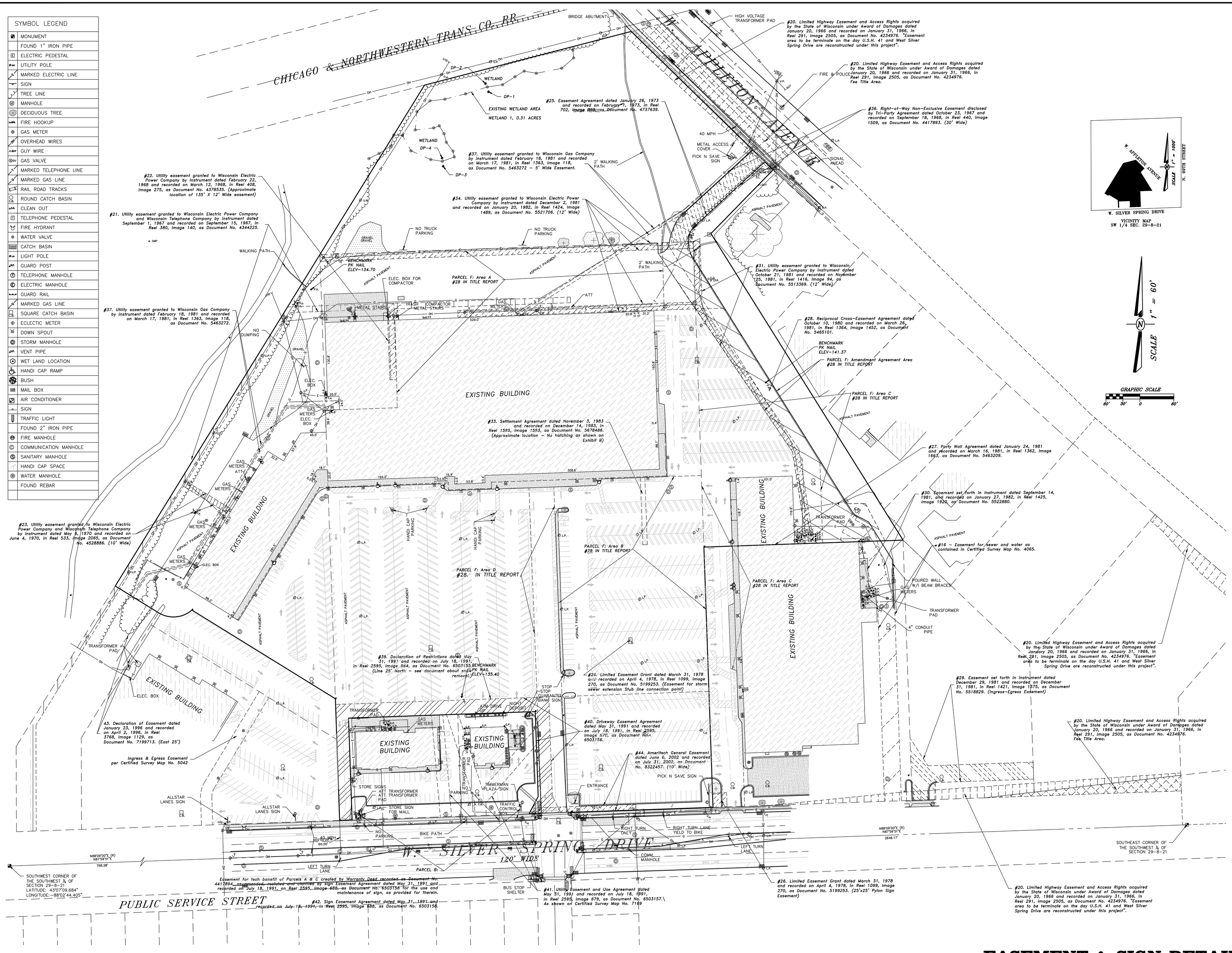
PLOTTING SCALE:	1" = 60'
DESIGNED BY:	
DRAWN BY:	MDM
CHECKED BY:	
DATE:	OCTOBER 21, 2010

REVISIONS		
NO.	ITEM	DATE

SHEET NO.

3 of 5

08-15-10-093



EASEMENT & SIGN DETAIL

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ALTA/ACSM LAND TITLE SURVEY
WAL-MART STORES, INC.

2001 S.E. 10TH STREET — 479-204-2106 — BENTONVILLE, AR 72716

FILE NAME: I:\LAND PROJECTS\10091 – TIMMERMAN\DWG\10091A1.DWG — JOB NUMBER: 08-15-10-093

McClure Engineering Associates, Inc.
5417 North 118th Court
Milwaukee, Wisconsin 53225
(414) 616-4850
FAX (414) 616-4865

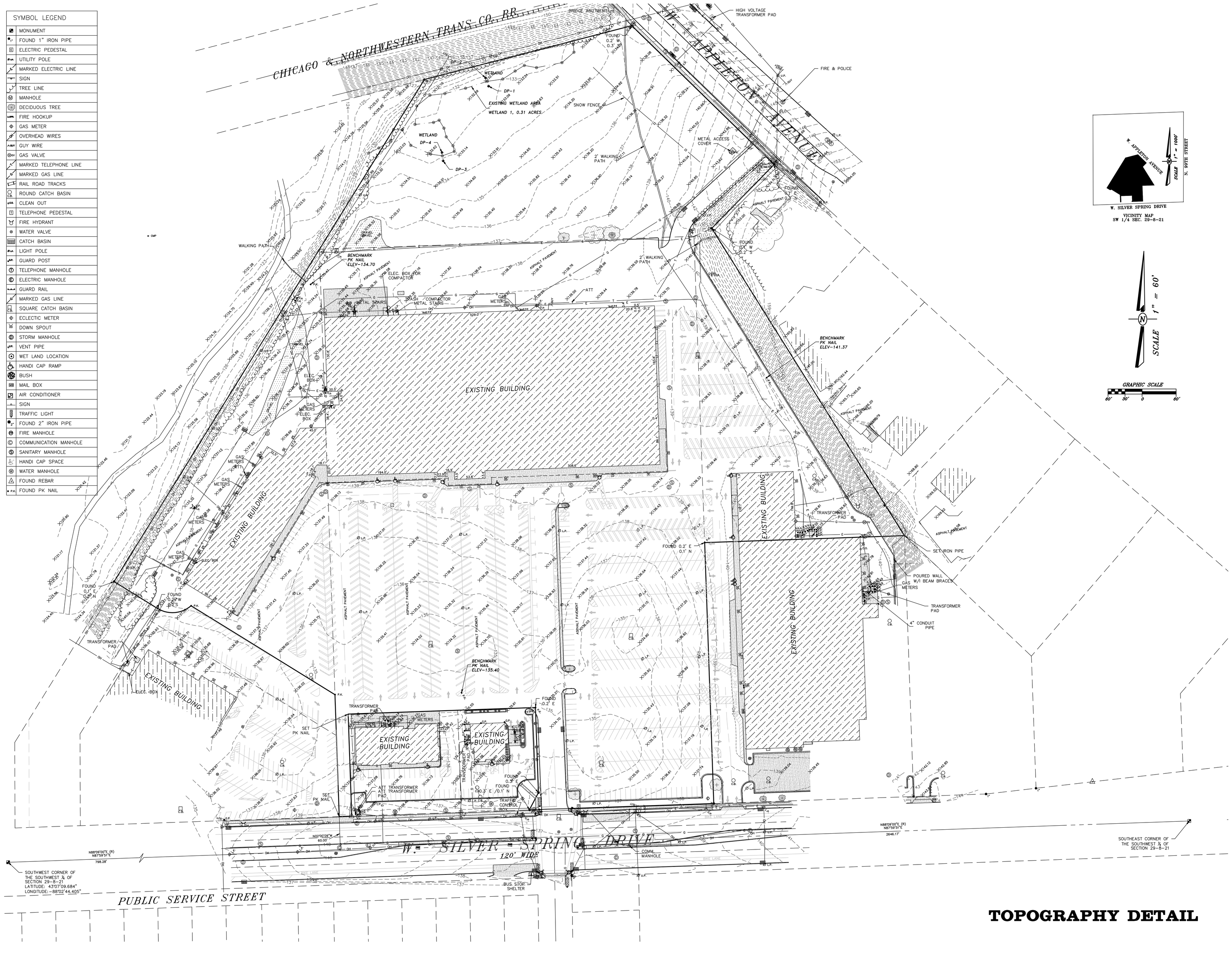
PLOTTING SCALE:	1" = 60'
DESIGNED BY:	
DRAWN BY:	MDM
CHECKED BY:	
DATE:	OCTOBER 21, 2010

REVISIONS		
NO.	ITEM	DATE

SHEET NO.
4 of 5

08-15-10-093

SYMBOL LEGEND
MONUMENT
FOUND 1" IRON PIPE
ELECTRIC PEDESTAL
UTILITY POLE
MARKED ELECTRIC LINE
SIGN
TREE LINE
MANHOLE
DECIDUOUS TREE
FIRE HOOKUP
GAS METER
OVERHEAD WIRES
GUY WIRE
GAS VALVE
MARKED TELEPHONE LINE
MARKED GAS LINE
RAIL ROAD TRACKS
ROUND CATCH BASIN
CLEAN OUT
TELEPHONE PEDESTAL
FIRE HYDRANT
WATER VALVE
CATCH BASIN
LIGHT POLE
GUARD POST
TELEPHONE MANHOLE
ELECTRIC MANHOLE
GUARD RAIL
MARKED GAS LINE
SQUARE CATCH BASIN
ECLECTIC METER
DOWN SPOUT
STORM MANHOLE
VENT PIPE
WET LAND LOCATION
HANDI CAP RAMP
BUSH
MAIL BOX
AIR CONDITIONER
SIGN
TRAFFIC LIGHT
FOUND 2" IRON PIPE
FIRE MANHOLE
COMMUNICATION MANHOLE
SANITARY MANHOLE
HANDI CAP SPACE
WATER MANHOLE
FOUND REBAR
FOUND PK NAIL



TOPOGRAPHY DETAIL

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ALTA/ACSM LAND TITLE SURVEY

WAL-MART STORES, INC.

2001 S.E. 10TH STREET — 479-204-2106 — BENTONVILLE, AR 72716

FILE NAME: T:\LAND PROJECTS\10091 - TIMMERMAN\DWG\10091A1.DWG — JOB NUMBER: 08-15-10-093

McClure Engineering Associates, Inc.
5417 North 118th Court
Milwaukee, Wisconsin 53225
(414) 616-4800
FAX (414) 616-4885

PLOTTING SCALE:	1" = 60'
DESIGNED BY:	
DRAWN BY:	MDN
CHECKED BY:	
DATE:	OCTOBER 21, 2010

REVISIONS		
NO.	ITEM	DATE

SHEET NO.

5 of 5

08-15-10-093

CERTIFIED SURVEY MAP NO. _____

BEING A REDIVISION OF PARCEL 3 OF CERTIFIED SURVEY MAP NO. 3128, PARCEL 1 OF CERTIFIED SURVEY MAP NO. 3763, PARCEL 1 OF CERTIFIED SURVEY MAP NO. 4065, AND PARCEL 1 OF CERTIFIED SURVEY MAP NO. 5534, BEING A PART OF THE NORTHEAST ¼, SOUTHEAST ¼, SOUTHWEST ¼ AND NORTHWEST ¼ OF THE SOUTHWEST ¼ OF SECTION 29, TOWNSHIP 8 NORTH, RANGE 21 EAST, CITY OF MILWAUKEE, COUNTY OF MILWAUKEE, STATE OF WISCONSIN.

SEE SHEETS 2 AND 3 FOR BEARINGS AND DISTANCES.

TAX KEY NO'S: 179-0111-X, 179-0081-8, 179-0033-6 AND 179-0071-3.

ZONED: LB2

– DENOTES 1" IRON PIPE – FOUND.

– DENOTES 1.315" O.D. IRON PIPE, WEIGHTING 1.13 LBS PER LINEAL FOOT, 18" IN LENGTH – SET.

– DENOTES PK NAIL – FOUND

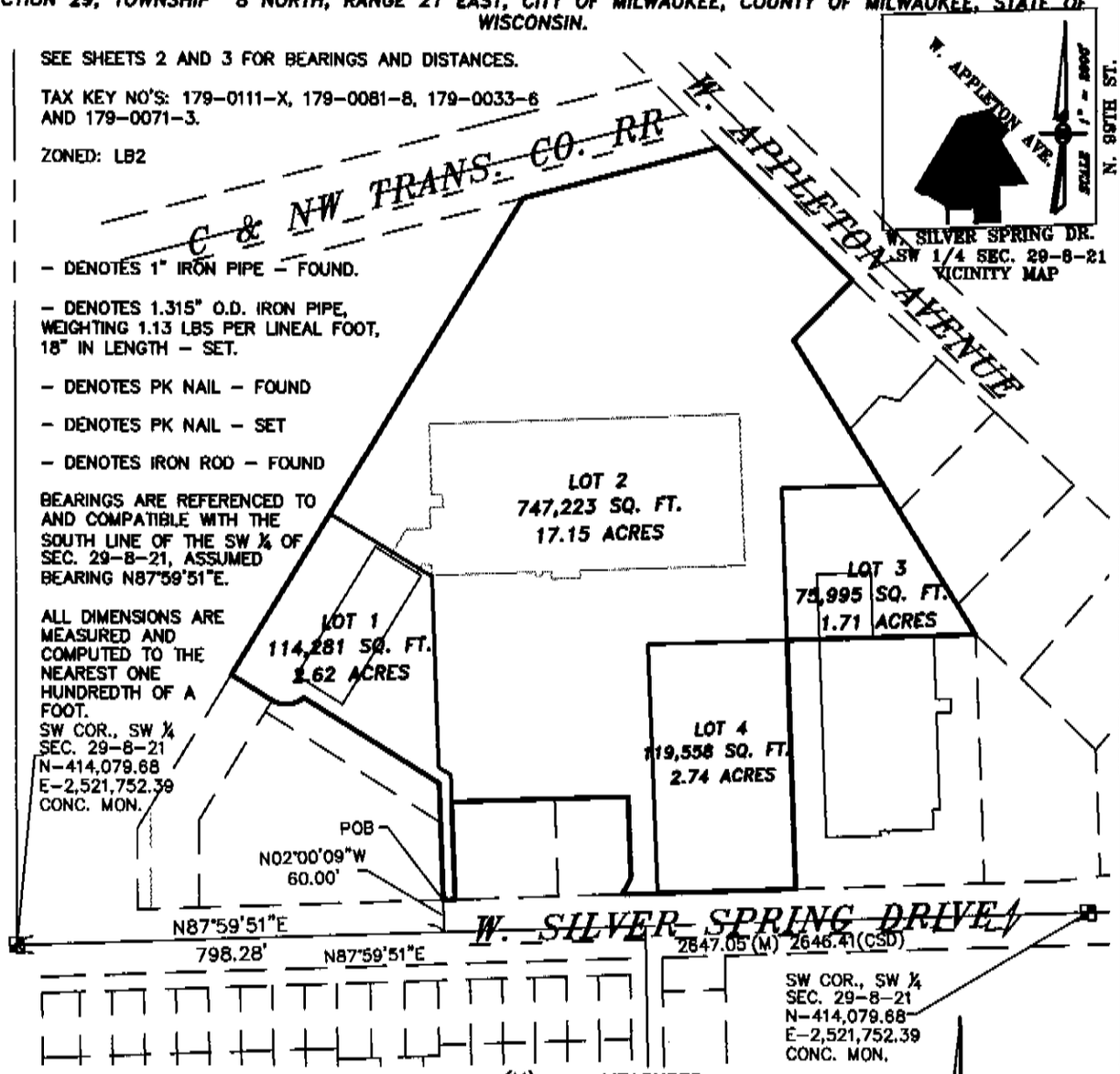
– DENOTES PK NAIL – SET

– DENOTES IRON ROD – FOUND

BEARINGS ARE REFERENCED TO AND COMPATIBLE WITH THE SOUTH LINE OF THE SW ¼ OF SEC. 29-8-21, ASSUMED BEARING N87°59'51"E.

ALL DIMENSIONS ARE MEASURED AND COMPUTED TO THE NEAREST ONE HUNDREDTH OF A FOOT.

SW COR., SW ¼
SEC. 29-8-21
N-414,079.68
E-2,521,752.39
CONC. MON.



McClure Engineering Associates, Inc.
5417 North 118th Court, Milwaukee, WI 53225
(414)616-4880 PROJECT NO.: 08-13-10-091
(414) 616-4885 (FAX)
DRAWING: T:\LAND PROJECTS\10091 - TIMMERMAN\DWG\10091C1.DWG

WISCONSIN REGISTERED LAND SURVEYOR
MARK D. NESGOOD S-1957

THIS INSTRUMENT WAS DRAFTED BY MARK D. NESGOOD, RLS

CERTIFIED SURVEY MAP NO. _____

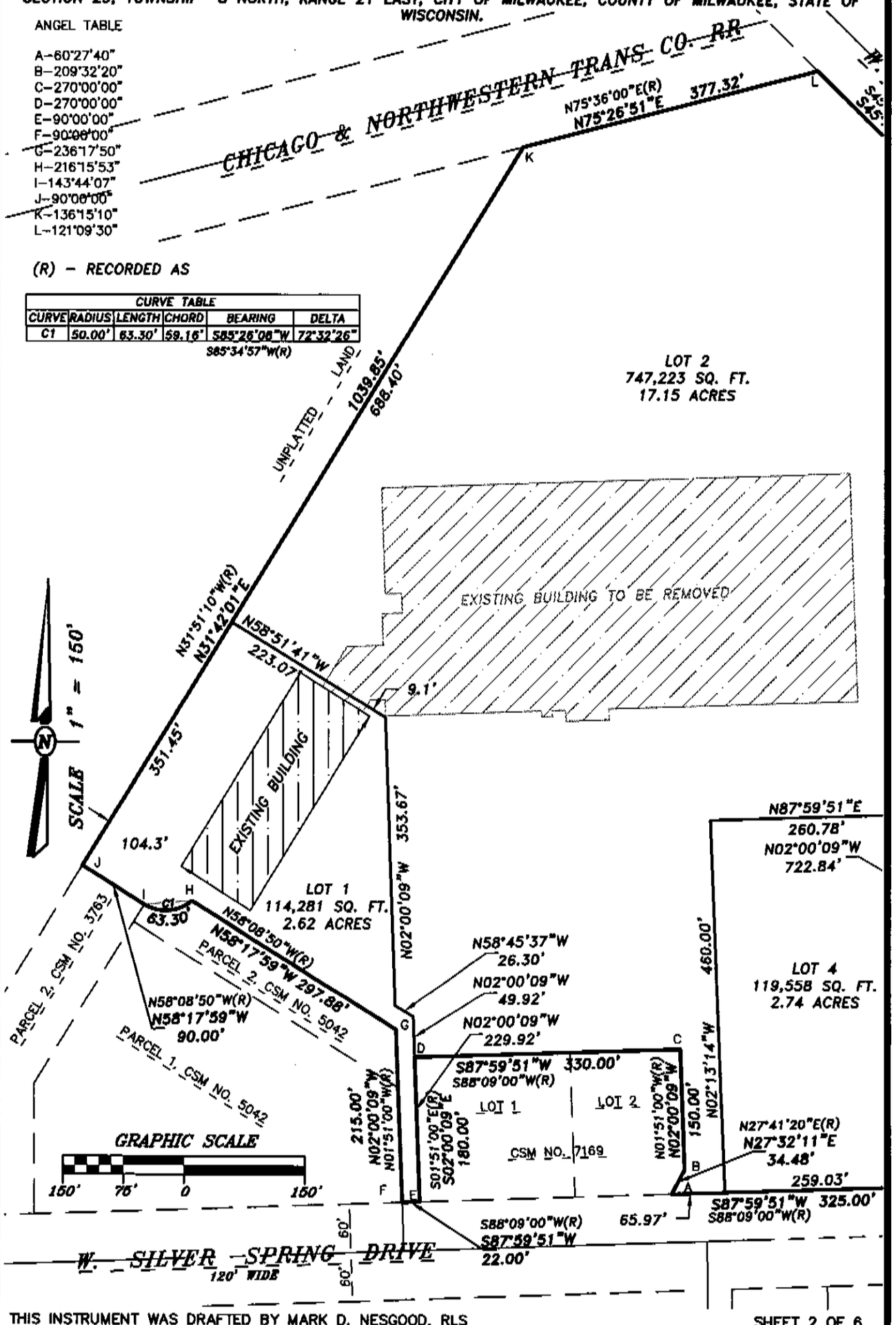
BEING A REDIVISION OF PARCEL 3 OF CERTIFIED SURVEY MAP NO. 3128, PARCEL 1 OF CERTIFIED SURVEY MAP NO. 3763, PARCEL 1 OF CERTIFIED SURVEY MAP NO. 4065, AND PARCEL 1 OF CERTIFIED SURVEY MAP NO. 5534, BEING A PART OF THE NORTHEAST ¼, SOUTHEAST ¼, SOUTHWEST ¼ AND NORTHWEST ¼ OF THE SOUTHWEST ¼ OF SECTION 29, TOWNSHIP 8 NORTH, RANGE 21 EAST, CITY OF MILWAUKEE, COUNTY OF MILWAUKEE, STATE OF WISCONSIN.

ANGEL TABLE

A–60°27'40"
B–209°32'20"
C–270°00'00"
D–270°00'00"
E–90°00'00"
F–90°00'00"
G–236°17'50"
H–216°15'53"
I–143°44'07"
J–90°00'00"
K–136°15'10"
L–121°09'30"

(R) – RECORDED AS

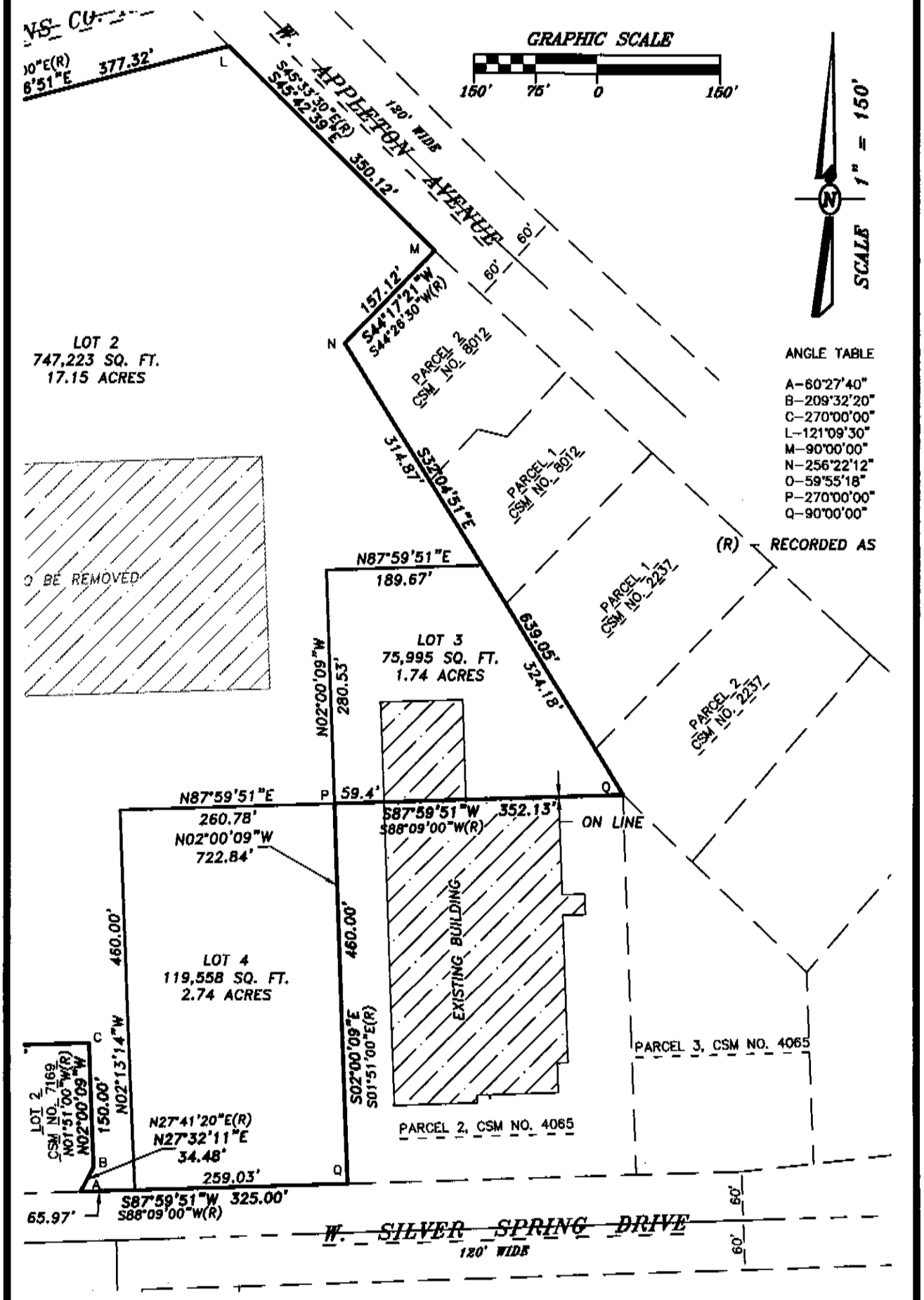
CURVE TABLE					
CURVE	RADIUS	LENGTH	CHORD	BEARING	DELTA
C1	50.00'	63.30'	59.16'	S85°26'08"W	72°32'26"
				S85°34'57"W(R)	



THIS INSTRUMENT WAS DRAFTED BY MARK D. NESGOOD, RLS

CERTIFIED SURVEY MAP NO. _____

BEING A REDIVISION OF PARCEL 3 OF CERTIFIED SURVEY MAP NO. 3128, PARCEL 1 OF CERTIFIED SURVEY MAP NO. 3763, PARCEL 1 OF CERTIFIED SURVEY MAP NO. 4065, AND PARCEL 1 OF CERTIFIED SURVEY MAP NO. 5534, BEING A PART OF THE NORTHEAST ¼, SOUTHEAST ¼, SOUTHWEST ¼ AND NORTHWEST ¼ OF THE SOUTHWEST ¼ OF SECTION 29, TOWNSHIP 8 NORTH, RANGE 21 EAST, CITY OF MILWAUKEE, COUNTY OF MILWAUKEE, STATE OF WISCONSIN.



THIS INSTRUMENT WAS DRAFTED BY MARK D. NESGOOD, RLS

CERTIFIED SURVEY MAP NO. _____

BEING A REDIVISION OF PARCEL 1 OF CERTIFIED SURVEY MAP NO. 5534, PARCEL 1 OF CERTIFIED SURVEY MAP NO. 4065, PARCEL 3 OF CERTIFIED SURVEY MAP NO. 3128 AND PARCEL 1 OF CERTIFIED SURVEY MAP NO. 3763, ALL BEING A PART OF THE NORTHEAST 1/4 , SOUTHEAST 1.4, SOUTHWEST ¼, AND NORTHWEST ¼ OF THE SOUTHWEST ¼ OF SECTION 29, TOWN 8 NORTH, RANGE 21 EAST, CITY OF MILWAUKEE, MILWAUKEE COUTNY,WISCONSIN.

SURVEYOR'S CERTIFICATE

STATE OF WISCONSIN)
MILWAUKEE COUNTY)

I, Mark D. Nesgood, a Registered Land Surveyor do hereby certify that I have surveyed, divided, and mapped a Redivision of Parcel 1 of Certified Survey Map No. 5534, Parcel 1 of Certified Survey Map No. 4065, Parcel 3 of Certified Survey Map No. 3128 and Parcel 1 of Certified Survey Map No. 3763, all being a part of the Northeast 1/4, Southeast 1/4, Southwest 1/4, and Northwest 1/4 of the Southwest 1/4 of Section 29, Town 8 North, Range 21 East, City of Milwaukee, Milwaukee County, Wisconsin, bounded and described as follow:

Commencing at the Southwest corner of the Southwest 1/4 of said Section; thence N87°59'51"E along the South line of the Southwest 1/4 of said Section 798.28 feet; thence N02°00'09"W 60.00 feet to the point of beginning, said point also being on the North line of W. Silver Spring Drive; thence continuing N02°00'09"W 215.00 feet; thence N58°17'59"W 297.88 feet; thence Southwesterly along an arc of a curve, whose center lies to the Northwest, whose radius is 50.00 feet, whose chord bears S85°25'48"W 59.16 feet, a distance of 63.30 feet to a point of tangency; thence N58°17'59"W 90.00 feet; thence N31°42'01"E 1039.85 feet to a point on the Southerly line of the Chicago & Northwestern Transportation Company Railway; thence N75°26'51"E along the Southerly line of said Railway 377.32 feet to a point on the Southwesterly line of W. Appleton Avenue; thence S45°42'39"E along the Southwesterly line of said Avenue 350.12 feet; thence S44°17'21"W 157.12 feet; thence S32°04'51"E 639.05 feet; thence S87°59'51"W 352.13 feet; thence S02°00'09"E 460.00 feet to a point on the North line of said Drive; thence S87°59'51"W along the North line of said Drive 325.00 feet; thence N27°32'11"E 34.48 feet; thence N02°00'08"W 150.00 feet; thence S87°59'51"W 330.00 feet; thence S02°00'09"E 180.00 feet to a point on the North line of said Drive; thence S87°59'51"W along the North line of said Drive 22.00 feet to the point of beginning.

Containing 24.27 acres of land more or less.

That I have made such survey, land division and map by the direction of the Timmerman, LLC, owner of said land.

That such map is a correct representation of the exterior boundaries of the land surveyed and the land division thereof made.

That I have fully complied with the provisions of Chapter 236 of the Wisconsin Statutes and Chapter 119 of the Milwaukee Code of Ordinances in surveying, dividing and mapping the same.

Dated this 9th day of February, 2011.

_____
Wisconsin Registered Land Surveyor
Mark D. Nesgood S-1967

THIS INSTRUMENT WAS DRAFTED BY MARK D. NESGOOD, R.L.S.

CERTIFIED SURVEY MAP NO. _____

BEING A REDIVISION OF PARCEL 1 OF CERTIFIED SURVEY MAP NO. 5534, PARCEL 1 OF CERTIFIED SURVEY MAP NO. 4065, PARCEL 3 OF CERTIFIED SURVEY MAP NO. 3128 AND PARCEL 1 OF CERTIFIED SURVEY MAP NO. 3763, ALL BEING A PART OF THE NORTHEAST 1/4 , SOUTHEAST 1.4, SOUTHWEST ¼, AND NORTHWEST ¼ OF THE SOUTHWEST ¼ OF SECTION 29, TOWN 8 NORTH, RANGE 21 EAST, CITY OF MILWAUKEE, MILWAUKEE COUTNY,WISCONSIN.

CORPORATE OWNER'S CERTIFICATE

Timmerman, LLC, a corporation duly organized and existing under and by virtue of the laws of the State of Delaware, as owner, certifies that said corporation caused the land described on this map to be surveyed, divided, and mapped as represented on this map in accordance with the requirements of Chapter 119 of the Milwaukee Code of Ordinances.

In consideration of the approval of the map by the Common Council and in accordance with Chapter 119 of the Milwaukee Code, the undersigned agrees:

> That all utility lines to provide electrical power and telephone services and cable television or communications systems lines or cables to all lots in the certified survey map shall be installed underground in easements provided therefore, where feasible.

This agreement shall be binding on the undersigned and assigns.

In Witness Whereof, the Timmerman, LLC, has caused these presents to be signed by Gatline Development Co., Inc., a California Corporation, its General Manager, by Loren K. Van Der Silk, its President, at _____, _____, this ____ day of _____, 2011.

IN THE PRESENCE OF:

By: GATLIN DEVELOPMENT CO., INC.
A California Corporation, its General Manager

_____
Witness

_____
Loren K. Van Der Silk / President

_____
Witness

_____

STATE OF _____)
_____ COUNTY)

PERSONALLY came before me this ___ day of _____, 2011, Loren K. Van Der Silk its President of the above named corporation, to me known to be the person who executed the foregoing instrument, and to me known to be the President of the corporation, and acknowledged that he executed the foregoing instrument as such officer's as the deed of the corporation, by its authority.

_____
Notary Public, State of _____
My commission expires _____

THIS INSTRUMENT WAS DRAFTED BY MARK D. NESGOOD, R.L.S.

CERTIFIED SURVEY MAP NO. _____

BEING A REDIVISION OF PARCEL 1 OF CERTIFIED SURVEY MAP NO. 5534, PARCEL 1 OF CERTIFIED SURVEY MAP NO. 4065, PARCEL 3 OF CERTIFIED SURVEY MAP NO. 3128 AND PARCEL 1 OF CERTIFIED SURVEY MAP NO. 3763, ALL BEING A PART OF THE NORTHEAST 1/4 , SOUTHEAST 1.4, SOUTHWEST ¼, AND NORTHWEST ¼ OF THE SOUTHWEST ¼ OF SECTION 29, TOWN 8 NORTH, RANGE 21 EAST, CITY OF MILWAUKEE, MILWAUKEE COUTNY,WISCONSIN.

CERTIFICATE OF CITY TREASURER

STATE OF WISCONSIN)
MILWAUKEE COUNTY)

I, WAYNE F. WHITTOW, being the duly elected, qualified and acting City Treasurer of the City of Milwaukee, do hereby certify that in accordance with the records in the Office of the City Treasurer of the City of Milwaukee, there are no unpaid taxes or unpaid special assessments on the land included in this Certified Survey Map.

Dated this _____ day of _____, 2011.

_____
WAYNE F. WHITTOW, City Treasurer

COMMON COUNCIL CERTIFICATE OF APPROVAL

I HEREBY certify that this Certified Survey Map was approved under Resolution File No. _____adopted by the Common Council of the City of Milwaukee on this ____ day of _____, 2011.

_____
RONALD D. LEONHARDT, City Clerk

_____
Tom Barrett, Mayor

THIS INSTRUMENT WAS DRAFTED BY MARK D. NESGOOD, R.L.S.

Walmart

SAIC
From Science to Solutions

Milwaukee Timmerman, WI #2936-05

Issued March 30, 2011

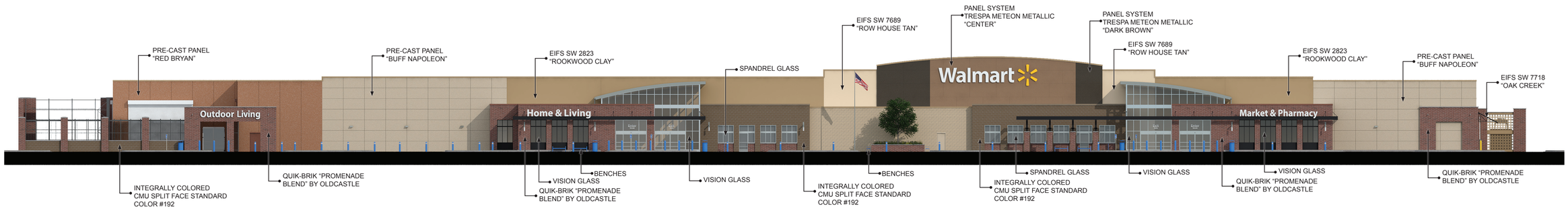
Walmart
Home & Living
Outdoor Living
Market & Pharmacy
Exit
Enter

Outdoor Living
Home & Living

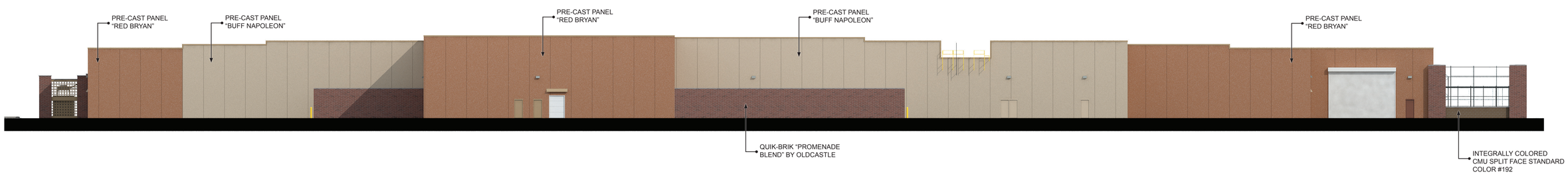
Walmart

Home & Living
Enter
Entrada
Exit
Salida

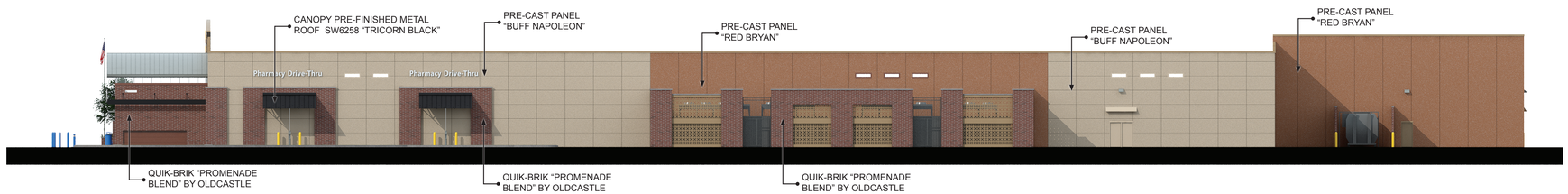
Market & Pharmacy
Exit
Salida
Enter
Entrada



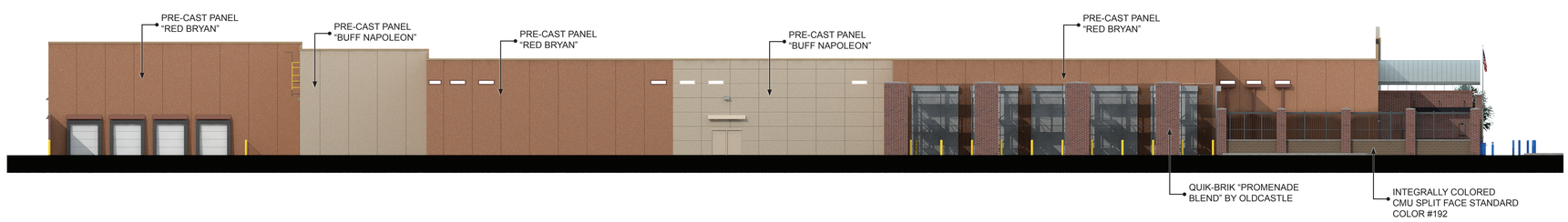
Front Elevation



Rear Elevation



Right Elevation



Left Elevation

Sign	Qty	Color	Height	Illumination	Sq.Ft	Total Sq.Ft
Walmart	1	White/Yellow	5'-6"	Internal	298.00	298.00
Market & Pharmacy	1	White	2'-6"	N/A	102.58	102.58
Home & Living	1	White	2'-6"	N/A	72.62	72.62
Outdoor Living	1	White	2'-6"	N/A	77.24	77.24
Pharmacy Drive-Thru	2	White	1'-6"	N/A	39.88	79.76
					Total Building Signage:	**630.20**

Walmart

STORE No. 2936-05
WEST SILVER SPRING DRIVE
MILWAUKEE, WISCONSIN

DIGGERS HOTLINE
TOLL FREE (800) 242-8511
MILWAUKEE AREA (414) 259-1181
HEARING IMPAIRED TDD (800) 542-2289
WWW.DIGGERSHOTLINE.COM

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DEVELOPER

WAL-MART REAL ESTATE BUSINESS TRUST
SAM M. WALTON DEVELOPMENT COMPLEX
2001 S.E. 10th STREET
BENTONVILLE, ARKANSAS 72712-0550
PH: (501) 273-4000

SITE ENGINEER

McCLURE ENGINEERING ASSOCIATES, INC.
MILWAUKEE OFFICE
5417 NORTH 118TH COURT
MILWAUKEE, WI 53225
PH:(414) 616-4880
FAX (414) 616-4885

McCLURE ENGINEERING ASSOCIATES, INC.
ROCKFORD OFFICE
7282 ARGUS DRIVE
ROCKFORD, ILLINOIS 61107
PH:(815) 398-2332
FAX (815) 398-2496

LOCATION OF PROJECT INDICATED THUS: ▲

UTILITIES/GOVERNMENT

ZONING:
CITY OF MILWAUKEE
841 N. BROADWAY
MILWAUKEE, WI 53202-3616
(414) 286-8210 (PHONE)

PLANNING REQUIREMENTS:
CITY OF MILWAUKEE
CONTACT: JUDY ALLEN
809 N. BROADWAY
MILWAUKEE, WI 53202-3616
(414) 286-6076

STORMWATER:
CITY OF MILWAUKEE
CONTACT: TIM THUR
841 N. BROADWAY
MILWAUKEE, WI 53202-3616
(414) 286-2463

SANITARY:
CITY OF MILWAUKEE
CONTACT: GREG HOTSON-SUPERVISOR
841 N. BROADWAY
MILWAUKEE, WI 53202-3616
(414) 286-0511

TELEPHONE:
AT&T
CONTACT: MOZELLA MRYLES-ENGINEER
7721 W. FOND DU LAC, 1ST FLOOR
MILWAUKEE, WI 53218
(414) 535-7404

FIRE DEPARTMENT:
MILWAUKEE FIRE DEPARTMENT
711 W. WELLS, 3RD FL.
MILWAUKEE, WI. 53233
(414)-286-8948

HEALTH DEPARTMENT:
MILWAUKEE HEALTH DEPT.
841 N. BROADWAY, ROOM 315
MILWAUKEE, WI. 53202
(414)-286-3521

POLICE:
CITY OF MILWAUKEE POLICE DEPT.
DISTRICT 4
6929 W. SILVER SPRING DRIVE
(414) 935-7243

BUILDING CODE:
CITY OF MILWAUKEE
841 N. BROADWAY
MILWAUKEE, WI 53202-3616
(414) 286-8210 (PHONE)

CITY ENGINEER:
CITY OF MILWUAKEE
CONTACT: JEFFERY S. POLENSKE
841 N. BROADWAY
MILWAUKEE, WI 53202-3616
(414) 286-2400

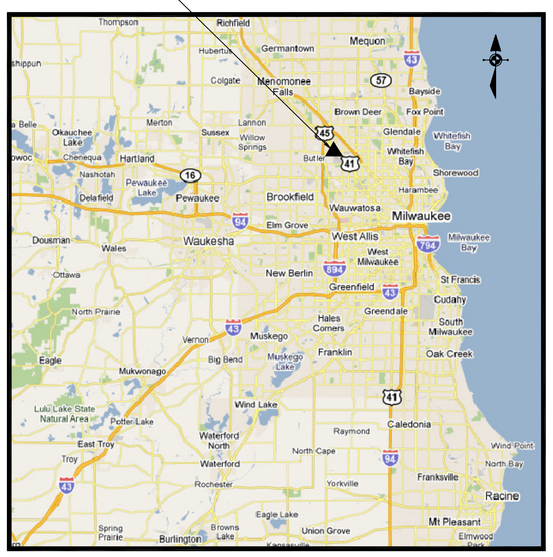
WATER:
CITY OF MILWAUKEE
MILWAUKEE WATER WORKS
CONTACT: MARK SCHELLAR
841 N. BROADWAY
MILWAUKEE, WI 53202-3616
(414) 286-2427

NATURAL GAS:
WE ENERGIES
CONTACT: GLORIA HARMON
3100 W. NORTH AVENUE
MILWAUKEE, WI 53208
(414) 362-5162

ELECTRIC:
WE ENERGIES
CONTACT: GLORIA HARMON
3100 W. NORTH AVENUE
MILWAUKEE, WI 53208
(414) 362-5162

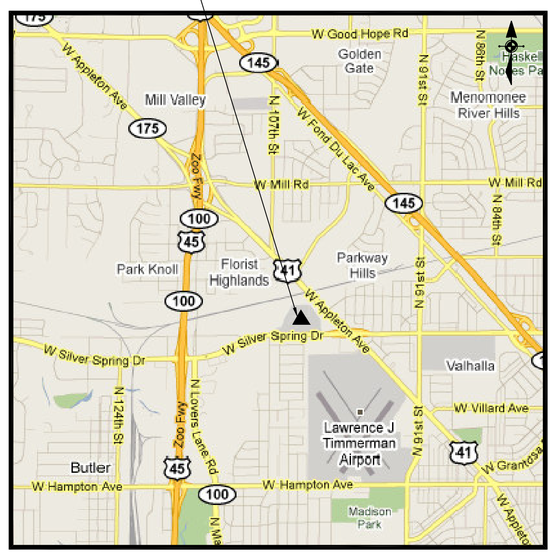
WISCONSIN DEPARTMENT OF TRANSPORTATION:
SOUTHEAST REGION
CONTACT: DEWAYNE JOHNSON- DIRECTOR
141 NW BARSTOW ST.
P.O. BOX 798
WAUKESHA, WI 53187-0798
(262) 548-5903
(262) 548-6424 (FAX)

SITE



VICINITY MAP

SITE



LOCATION MAP

ALL NECESSARY INSPECTIONS AND/OR CERTIFICATIONS REQUIRED BY CODES AND/OR UTILITY SERVICE COMPANIES SHALL BE PERFORMED PRIOR TO ANNOUNCED POSSESSION AND THE FINAL CONNECTION OF SERVICES.

ALL SITE WORK SHALL MEET OR EXCEED THE "WAL-MART SITE WORK SPECIFICATIONS."

NOT FOR CONSTRUCTION

I hereby certify that this engineering document was prepared by me or under my direct personal supervision, except those sheets signed by others, and that I am a duly Licensed Professional Engineer under the laws of the State of Wisconsin.

Signature: _____

Date: _____ Reg No.: _____
(Month, Day, Year)

My registration renewal date is July 31, 2010

(Original seal if in red only)

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COVER
WALMART STORE NO. 2936-05
WEST SILVER SPRING DRIVE MILWAUKEE, WISCONSIN
FILE NAME: \\DR-15-10-066-CATLIN-MLW SILVER SPRING\DESIGN\DRAWINGS\C1.0 COVER.DWG JOB NUMBER: 08-15-10-091

McClure Engineering Associates, Inc.
5417 North 118th Court Milwaukee, Wisconsin 53225
(414) 616-4880 FAX (414) 616-4885

Walmart

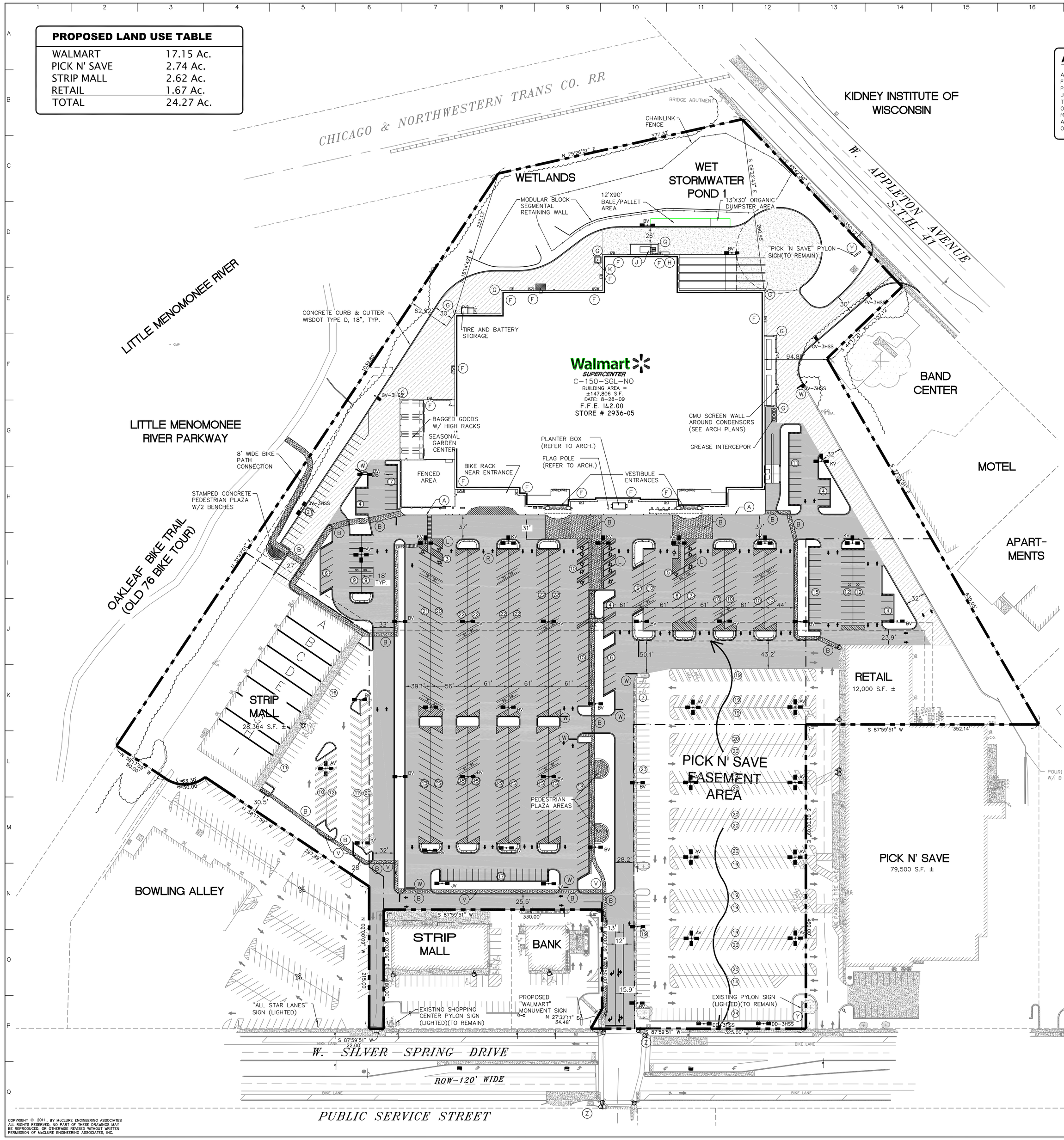
PLOTTING SCALE: 1" =60'
DESIGNED BY: BCS
DRAWN BY: BCS
CHECKED BY: JLJ
DATE: FEBRUARY 17, 2011

REVISIONS

NO.	ITEM	DATE
1	PER CITY COMMENTS	3/7/2011
1	PER CITY COMMENTS	3/24/2011

SHEET NO.
C1.0
08-15-10-091

PROPOSED LAND USE TABLE	
WALMART	17.15 Ac.
PICK N' SAVE	2.74 Ac.
STRIP MALL	2.62 Ac.
RETAIL	1.67 Ac.
TOTAL	24.27 Ac.



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ALERT TO CONTRACTOR:

ALL WM GENERAL CONTRACTOR WORK TO BE COMPLETED (EARTHWORK, FINAL UTILITIES, AND FINAL GRADING) BY THE MILESTONE DATE IN PROJECT DOCUMENTS. IF APPLICABLE, OUTLOT AREA TO BE KEPT FREE OF JOB TRAILERS AND STORAGE AFTER THE CONTRACT MILESTONE DATE FOR THE OUTLOT. WM GENERAL CONTRACTOR TO PROVIDE CLEAR ACCESS FOR OUTLOT CONTRACTOR TO THE SPECIFIC PARCEL AT ALL TIMES AFTER MILESTONE DATE. PURCHASER OF OUTLOT TO PROVIDE PERMIT DOCUMENTS AND SWPPP REQUIRED BY STATE/LOCAL REQUIREMENTS FOR SPECIFIC OUTLOT.

GRAPHIC SCALE

60 0 30 60 120 240

(IN FEET)
1 inch = 60 ft.

DIGGERS HOTLINE
TOLL FREE (800) 242-8511
MILWAUKEE AREA (414) 259-1181
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WWW.DIGGERSHOTLINE.COM

SITE NOTES

1. ALL WORK AND MATERIALS SHALL COMPLY WITH ALL CITY/COUNTY REGULATIONS AND CODES AND O.S.H.A. STANDARDS.
2. CONTRACTOR SHALL REFER TO THE ARCHITECTURAL PLANS FOR EXACT LOCATIONS AND DIMENSIONS OF VESTIBULES, SLOPE PAVING, SIDEWALKS, EXIT PORCHES, TRUCK DOCKS, PRECISE BUILDING DIMENSIONS AND EXACT BUILDING UTILITY ENTRANCE LOCATIONS.
3. ALL DISTURBED AREAS ARE TO RECEIVE FOUR INCHES OF TOPSOIL, SEED, MULCH AND WATER UNTIL A HEALTHY STAND OF GRASS IS ESTABLISHED. SEE 02900 SPECIFICATION.
4. ALL CURBED RADII ARE TO BE 10' UNLESS OTHERWISE NOTED. STRIPED RADII ARE TO BE 5'.
5. ALL DIMENSIONS AND RADII ARE TO THE FACE OF CURB UNLESS OTHERWISE NOTED.
6. EXISTING STRUCTURES WITHIN CONSTRUCTION LIMITS ARE TO BE ABANDONED, REMOVED OR RELOCATED AS NECESSARY. ALL COST SHALL BE INCLUDED IN BASE BID.
7. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL RELOCATIONS, (UNLESS OTHERWISE NOTED ON PLANS) INCLUDING BUT NOT LIMITED TO, ALL UTILITIES, STORM DRAINAGE, SIGNS, TRAFFIC SIGNALS & POLES, ETC. AS REQUIRED. ALL WORK SHALL BE IN ACCORDANCE WITH GOVERNING AUTHORITIES REQUIREMENTS AND PROJECT SITE WORK SPECIFICATIONS AND SHALL BE APPROVED BY SUCH. ALL COST SHALL BE INCLUDED IN BASE BID.
8. SITE BOUNDARY, TOPOGRAPHY, UTILITY AND ROAD INFORMATION BASED UPON ALTA/ACSM SURVEY BY McCLURE ENGINEERING ASSOCIATES, INC.
9. THE SITE WORK FOR THIS PROJECT SHALL MEET OR EXCEED "THE WAL-MART STANDARD SITE WORK SPECIFICATIONS".

KEY NOTES

(A) 6" WIDE FIRE LANE STRIPING PAINTED TRAFFIC RED W/ "NO PARKING FIRE LANE" PAINTED WITH 4" HIGH WHITE LETTERING AT 25' O.C. SEE DETAIL SHEET.

(B) INTEGRALLY COLORED CONCRETE PEDESTRIAN CROSSWALK. SEE SITE PLAN FOR DIMENSIONS.

(C) PEDESTRIAN CROSSING SIGN TYPICAL AT PEDESTRIAN CROSSWALKS AS NOTED ON PLANS.

(D) "YIELD" PAINTED WHITE ON PAVEMENT TYPICAL. SEE DETAIL SHEET.

(E) EXISTING LIGHT POLE AND BASE SHALL REMAIN. CONTRACTOR SHALL REPLACE LIGHTING FIXTURE AS WELL AS REMOVE THE PAINT ON THE EXISTING BASE AND RE-PAINT THE EXISTING BASE TRAFFIC YELLOW

(F) EXIT PORCH. SEE ARCHITECTURAL PLANS FOR EXACT SIZE, LOCATION FOR STOOPS, STAIRS AND/OR RAMPS THAT MAY BE REQUIRED. RAMP PAVEMENT FLUSH WITH THE TOP OF STOOP.

(G) 6"Ø PIPE BOLLARD TYPICAL UNLESS NOTED OTHERWISE. SEE DETAIL SHEET.

(H) AT GRADE OVERHEAD DOOR LOCATION. SEE ARCHITECTURAL PLANS FOR EXACT SIZE AND LOCATION FOR COORDINATION WITH CIVIL PLANS.

(I) 4" WIDE X 150' LONG YELLOW PAINTED TRUCK ALIGNMENT STRIPES. CENTER ON DOCK SEALS

(J) 12' X 36' CONCRETE COMPACTOR PAD AND 12' X 36' HEAVY DUTY PAD (ORIENT FOR TRUCK LOADING). REFER TO ARCHITECTURAL PLAN FOR EXACT LOCATION AND SLOPE.

(K) CONCRETE TRANSFORMER PAD. CONTRACTOR TO COORDINATE WITH LOCAL POWER COMPANY FOR DETAILS.

(L) ACCESSIBLE PARKING SPACE TYPICAL. SEE DETAIL SHEET FOR ACCESSIBLE PARKING SPACE SIZE, SIGN AND SYMBOL ("VAN"-INDICATES VAN ACCESSIBLE SPACE).

(M) PAINTED ISLAND TYPICAL UNLESS NOTED OTHERWISE. STRIPES SHALL BE PAINTED SYSL/4" AT 2'-0" O.C. PERPENDICULAR TO THE PARKING SPACE. SEE DETAIL SHEET.

(N) CART CORRAL TYPICAL. SEE DETAIL SHEET FOR CART CORRAL DETAIL

(O) 10' X 15' STRIPED AREA PAINTED SYSL/4" AT 45° @ 2'-0" O.C. AT JIB CRANE LOCATION. SEE ARCH. PLANS

(P) 2'-0" LOADING ZONE AT ALL CURBED PARKING SPACES TYPICAL. 4" PAINTED YELLOW STRIPING AT 2'-0" O.C. PERPENDICULAR TO PARKING SPACE. SEE DETAIL SHEET.

(Q) WISDOT TYPE 'D', 18" CONCRETE CURB AND GUTTER TYPICAL. SEE PLAN FOR TYPE. SEE DETAIL SHEET.

(R) PAINTED DIRECTIONAL ARROW TYPICAL. SEE DETAIL SHEET

(S) AISLE INDICATOR SIGNS TYPICAL. SEE DETAIL SHEET.

(T) "STOP" SIGN. SEE DETAIL SHEET.

(U) EXTENT OF ASPHALT OVERLAY

(V) PCC SIDEWALK, 4"

(W) STOP BAR. SEE DETAIL SHEET.

(X) "ACCESSIBLE SPACE" SIGN TYPICAL. SEE DETAIL SHEET.

(Y) EXISTING PYLON SIGN TO REMAIN

(Z) EXISTING BUS STOP

LEGEND

- PROPOSED HANDICAP PARKING SYMBOL 4" TRAFFIC WHITE
- PROPOSED BUILDING
- PROPOSED 18" CURB AND GUTTER
- CURB AND GUTTER ISLAND
- PROPOSED STRIPING 4" TRAFFIC YELLOW
- INTERIOR PROPERTY LINE
- EXTERIOR PROPERTY LINE
- EASEMENT LINE
- PAINTED SIDEWALK/CROSSWALK
- DETAIL NUMBER / SHEET ON WHICH DETAIL APPEARS
- PROPOSED PARKING SPACES SYSL/4"
- ASSOCIATED PARKING SPACES SWSL/4"
- CART CORRAL
- HEAVY DUTY ASPHALTIC CONCRETE PAVEMENT
- STANDARD DUTY CONCRETE PAVEMENT
- STANDARD DUTY ASPHALTIC CONCRETE PAVEMENT
- HEAVY DUTY CONCRETE BUFFER 3' TYP.

PARKING RATIO

	BUILDING SQ.FT.	NO. of SPACES	RATIO
EXIST. CENTER	293,723	986	3.36/ 1,000 S.F.
PROP. CENTER	267,670	1070	4.00/ 1,000 S.F.
PROP. WALMART	147,806	598	4.05/ 1,000 S.F.

PROPOSED WALMART SITE ANALYSIS TABLE

WAL-MART	147,806 S.F.
PARKING	598 SPACES*
ACCESSIBLE	18 SPACES**
CART CORRALS (2 SPACES EACH)	16 CORRALS
RATIO	4.05/1,000 S.F.

* COUNT INCLUDES ACCESSIBLE SPACES AND SPACES USED BY CART CORRALS
** CITY OF MILWAUKEE MEDIAN AGE = 31.0

SIGN LIST

- (A) "STOP SIGN"
- (B) "TRUCK ENTRANCE / TRUCK EXIT SIGN"
- (C) "PED XING SIGN"
- (D) "VAN ACCESSIBLE PARKING SPACE"
- (E) "NO TRUCKS SIGN"
- (F) "AISLE INDICATOR SIGN"
- (G) "ACCESSIBLE SPACE SIGN"
- (H) "TLE + GARDEN CENTER SIGN"
- (I) "DO NOT ENTER SIGN"
- (J) "MERGING TRAFFIC SIGN"

PAVEMENT MARKING LEGEND

(1) – SINGLE WHITE SOLID LINE/4" WIDE
(2) – SINGLE YELLOW SOLID LINE/4" WIDE EACH
(3) – DOUBLE YELLOW SOLID LINE/4" WIDE EACH
(4) – SINGLE YELLOW SOLID LINE/10" WIDE
(5) – SINGLE WHITE DASHED LINE/4" WIDE
(6) – SINGLE YELLOW BROKEN LINE/4" WIDE/ 2' DASH W/ 6' SPACING
(7) – SINGLE WHITE SOLID LINE/24" WIDE/ STOP LINE
(8) – SINGLE WHITE SOLID LINE/6"/TURN LANE LINE
(9) – CHANNELIZING LINES– 12" DIANGONAL @ 45°, YELLOW, 10' C–C
(10) – LETTERS AND SYMBOLS, WHITE

SITE PLAN

WALMART STORE NO. 2936-05
WEST SILVER SPRING DRIVE — MILWAUKEE, WISCONSIN

FILE NAME: \\VR-15-10-090-04\SILVER SPRING\DESIGN\DRAWINGS\5.0 SITE PLANNING — JOB NUMBER: 08-15-10-091

McClure Engineering Associates, Inc.
5417 North 118th Court
Milwaukee, Wisconsin 53225
(414) 616-4880
FAX (414) 616-4885

Walmart

PLOTTING SCALE: 1" =60'
DESIGNED BY: BCS
DRAWN BY: BCS
CHECKED BY: JLJ
DATE: FEBRUARY 17, 2011

REVISIONS			
NO.	ITEM	DATE	
1	PER CITY COMMENTS	3/7/2011	
2	PER CITY COMMENTS	3/24/2011	

SHEET NO.
C5.0
08-15-10-091

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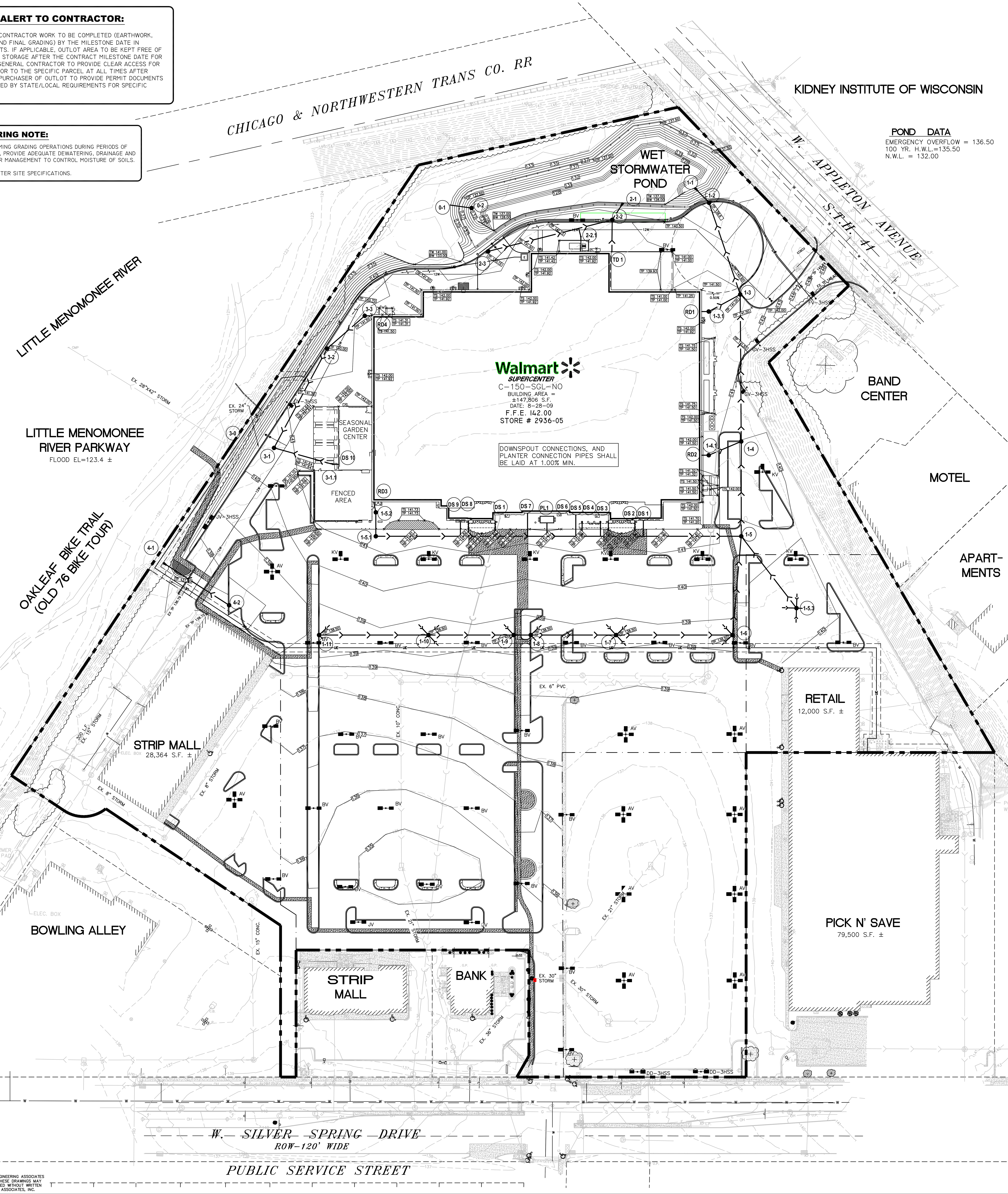
DEWATERING NOTE:

WHEN PERFORMING GRADING OPERATIONS DURING PERIODS OF WET WEATHER, PROVIDE ADEQUATE DEWATERING, DRAINAGE AND GROUND WATER MANAGEMENT TO CONTROL MOISTURE OF SOILS.

REFER TO MASTER SITE SPECIFICATIONS.



POND DATA

EMERGENCY OVERFLOW = 136.50
100 YR. H.W.L.=135.50
N.W.L. = 132.00

DIGGERS HOTLINE

TOLL FREE (800) 242-8511
MILWAUKEE AREA (414) 259-1181
HEARING IMPAIRED TDD (800) 542-2289
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GRAPHIC SCALE

60 0 30 60 120 240

(IN FEET)
1 inch = 60 ft.

NORTH

BENCHMARKS

DESCRIPTION	ELEVATION
BM # 1: PK NAIL 69' NORTHEAST OF STORM SEWER MANHOLE.	134.70
BM # 2: PK NAIL 57' NORTH OF EXISTING BANK.	135.40
BM # 3: PK NAIL 291' SOUTHEAST OF FIRE HYDRANT	141.37
BM: SOUTHWEST CORNER OF THE SOUTHWEST ¼ OF SECTION 29-8-21. 798' WEST OF THE SOUTHEAST CORNER OF PROPERTY, CONCRETE MONUMENT WITH BRASS CAP.	126.54

Elevations area based on the City of Milwaukee datum. To change to National Geodetic Vertical Datum of 1929 add 580.60.

(1-1) 36" F.E.S.
INV = 132.00

(1-2) STM. SWR. INLET TYPE 1-C
RIM = 138.50
INV (IN) 132.08
INV (OUT) 132.08

(1-3) STM. SWR. INLET TYPE 1-C
RIM = 141
INV (W) 136.80
INV (IN) 132.41
INV (OUT) 132.41

(1-4) STM. SWR. INLET TYPE 1-C
RIM = 140
INV (IN) 132.83
INV (OUT) 132.83

(1-5) STM. SWR. INLET TYPE 1-C
RIM = 140.50
INV (SE) 135.22
INV (IN) 133.20
INV (OUT) 133.20

(1-6) STM. SWR. INLET TYPE 1-C
RIM = 138.50
INV (IN) 133.48
INV (OUT) 133.48

(1-7) STM. SWR. INLET TYPE 1-C
RIM = 138.50
INV (IN) 134.04
INV (OUT) 134.04

(1-8) STM. SWR. INLET TYPE 1-C
RIM = 138.50
INV (IN) 134.35
INV (OUT) 134.35

(1-9) STM. SWR. INLET TYPE 1-C
RIM = 138.50
INV (IN) 134.50
INV (OUT) 134.50

(1-10) STM. SWR. INLET TYPE 1-C
RIM = 138.50
INV (IN) 135.03
INV (OUT) 135.03

(1-11) STM. SWR. INLET TYPE 1-C
RIM = 138.50
INV (OUT) 135.65

(1-5.3) STM. SWR. INLET TYPE 1-C
RIM = 139.50
INV (OUT) 136.50

(1-5.1) STM. SWR. INLET TYPE 1-C
RIM = 141.30
INV (IN) 136.82
INV (OUT) 136.82

(1-5.2) SIPHONIC BREAK STORM MANHOLE
INV = 141.90
INV (IN) 137.50
INV (OUT) 137.50

(1-4.1) SIPHONIC BREAK STORM MANHOLE
INV = 141.80
INV (IN) 137.50
INV (OUT) 137.50

(1-3.1) SIPHONIC BREAK STORM MANHOLE
INV = 141.40
INV (IN) 137.50
INV (OUT) 137.50

(2-1) 12' FES
INV = 136.81

(2-2) STM. SWR. INLET TYPE 1-C
RIM = 137.69
INV (IN) 137.09
INV (OUT) 137.09

(2-2.1) STM. SWR. INLET TYPE 1-C
RIM = 139.50
INV (IN) 137.50
INV (OUT) 137.50

(2-3) STM. SWR. INLET TYPE 1-C
RIM = 140.75
INV (OUT) 138.00

(3-1) STM. SWR. INLET TYPE 1-C
RIM = 141
INV (IN) 133.65
INV (EX, OUT) 133

(3-2) STM. SWR. INLET TYPE 1-C
RIM = 140.50
INV (IN) 136.03
INV (OUT) 136.03

(3-3) SIPHONIC BREAK STORM MANHOLE
RIM = 141.40
INV (IN) 137.50
INV (OUT) 137.50

(4-1) 15" FES
INV = 133.67

(4-2) STM. SWR. INLET TYPE 1-C
RIM = 138
INV (OUT) 135

GRADING NOTES

1. SIINCE THE SITE HAS A RECOGNIZED ENVIRONMENTAL CONDITION (REC) ON THE HISTORIC USE OF LEAD ARSENATE PESTICIDES, CONTRACTOR SHALL REFER TO THE SOIL MANAGEMENT PLAN AND COORDINATE WITH CEC FOR TOPSOIL STRIPPING.
2. 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.
3. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANIES AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.
4. ALL CUT OR FILL SLOPES SHALL BE 3:1 OR FLATTER UNLESS OTHERWISE NOTED.
5. PRECAST STORM SEWER STRUCTURES MAY BE USED AT CONTRACTORS OPTION.
6. STORM PIPE SHALL BE ADS, N-12 (OR EQUAL) UNLESS OTHERWISE NOTED: (SEE MASTER SITE SPECIFICATIONS SECTION 02630 FOR ALLOWED MATERIALS.
7. EXISTING PIPES TO REMAIN SHALL BE CLEANED OUT TO REMOVE ALL SILT AND DEBRIS.
8. STORM SEWER PIPE LENGTHS ARE MEASURED ALONG THE CENTER OF PIPE FROM CENTER OF STRUCTURE (MANHOLE) TO CENTER OF STRUCTURE (MANHOLE) OR FROM CENTER OF STRUCTURE TO FREE OUTLET (END SECTION INLCUDED).
9. EXISTING GRADE CONTOUR INTERVALS SHOWN AT 1 FOOT INTERVALS.
10. PROPOSED GRADE CONTOUR INTERVALS SHOWN WHEN AVAILABLE AT 1 FOOT INTERVALS (FOR REFERENCE ONLY. REFER TO SPOT ELEVATIONS FOR EXACT CONSTRUCTION OPERATIONS.)
11. IF ANY EXISTING STRUCTURES TO REMAIN ARE DAMAGED DURING CONSTRUCTION IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO REPAIR AND/OR REPLACE THE EXISTING STRUCTURE AS NECESSARY TO RETURN IT TO EXISTING CONDITIONS OR BETTER.
12. ALL STORM PIPE ENTERING STRUCTURES SHALL BE GROUTED TO ASSURE CONNECTION AT STRUCTURE IS WATERTIGHT.
13. ALL STORM SEWER MANHOLES IN PAVED AREAS SHALL BE FLUSH WITH PAVEMENT, AND SHALL HAVE TRAFFIC BEARING RING & COVERS. MANHOLES IN UNPAVED AREAS SHALL BE 6" ABOVE FINISH GRADE. LIDS SHALL BE LABELED "STORM SEWER".
14. THE CONTRACTOR SHALL ADHERE TO ALL TERMS & CONDITIONS AS OUTLINED IN THE EPA OR APPLICABLE STATE GENERAL W.P.D.E.S. PERMIT FOR STORM WATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITIES AND THE WAL-MART SPECIAL CONDITIONS, SECTION 8, ENVIRONMENTAL COMPLIANCE AND STORM WATER POLLUTION PREVENTION. THIS APPLIES TO WAL-MART BUILT PROJECTS ONLY.
15. CONTRACTOR SHALL ADJUST AND/OR CUT EXISTING PAVEMENT AS NECESSARY TO ASSURE A SMOOTH FIT AND CONTINUOUS GRADE.
16. CONTRACTOR SHALL ASSURE POSITIVE DRAINAGE AWAY FROM BUILDINGS FOR ALL NATURAL AND PAVED AREAS.
17. TOPOGRAPHIC INFORMATION IS TAKEN FROM A TOPOGRAPHIC SURVEY BY LAND SURVEYORS. IF THE CONTRACTOR DOES NOT ACCEPT EXISTING TOPOGRAPHY AS SHOWN ON THE PLANS, WITHOUT EXCEPTION, THEN THE CONTRACTOR SHALL SUPPLY, AT THEIR EXPENSE, A TOPOGRAPHIC SURVEY BY A REGISTERED LAND SURVEYOR TO THE OWNER FOR REVIEW.
18. ALL UNSURFACED AREAS DISTURBED BY GRADING OPERATION SHALL RECEIVE 4 INCHES OF TOPSOIL. CONTRACTOR SHALL APPLY STABILIZATION FABRIC TO ALL SLOPES 3H:1V OR STEEPER. CONTRACTOR SHALL STABILIZE DISTURBED AREAS IN ACCORDANCE WITH GOVERNING SPECIFICATIONS UNTIL A HEALTHY STAND OF VEGETATION IS OBTAINED.
19. CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE GOVERNING CODES AND BE CONSTRUCTED TO SAME.
20. ALL STORM STRUCTURES SHALL HAVE A SMOOTH UNIFORM POURED MORTAR INVERT FROM INVERT IN TO INVERT OUT.
21. "TW", "BW", "TRW" ELEVATIONS REFER TO FINISHED GRADE AT EACH NOTED LOCATION. ACTUAL TOP AND BOTTOM OF ROCK OR BLOCK ELEVATIONS MAY VARY DUE TO DETAILS. REFER TO RETAINING WALL DESIGN PLANS FOR EXACT DIMENSIONS AND ELEVATIONS.

LEGEND

Symbol	Description
TS 000.00 ×	TOP OF SLAB ELEVATION
TP 000.00 ×	TOP OF PAVEMENT ELEVATION
TC 000.00 ×	TOP OF CURB ELEVATION
FG 000.00 ×	FINISHED GRADE ELEVATION
TRW 000.00 ×	TOP OF ROCK WALL ELEVATION
TW 000.00 ×	TOP OF WALL ELEVATION
BW 000.00 ×	BOTTOM OF WALL ELEVATION
EX 000.00 ×	EXISTING SPOT ELEVATION
640	PROPOSED CONTOUR
640	EXISTING CONTOUR
2.00%	DIRECTION OF SHEET FLOW
■	CATCHBASIN OR INLET
●	MANHOLE
(1-2)	STRUCTURE IDENTIFICATION NUMBER
	PROPOSED STORM SEWER
	EXISTING STORM SEWER
1/6	DETAIL NUMBER / SHEET ON WHICH DETAIL APPEARS
✕	CATCH BASIN WITH FINGER DRAINS, SEE DETAIL SHEET

Storm Sewer Pipe Sizing Table

From	To	Area Ac.	Comp C	Slope %	Inc. Flow CFS	Cum. Flow CFS	Cum Flow GPM	Dia Req'd In.	Dia Prv'd In.
PIPE RUN 1									
1-11	1-10	0.52	0.92	0.40%	2.98	2.98	1340	13	15
1-10	1-9	0.64	0.94	0.44%	3.62	6.49	2911	18	18
1-9	1-8	0.35	0.92	0.65%	1.93	8.25	3704	18	18
1-8	1-7	0.35	0.92	0.25%	1.92	10.14	4552	23	24
1-7	1-6	0.58	0.94	0.34%	3.10	12.99	5828	24	24
1-6	1-5	0.56	0.89	0.20%	2.79	15.40	6914	28	30
1-5	1-4	0.00	0.95	0.28%	0.00	21.57	9681	30	30
1-4	1-3	1.17	0.67	0.20%	3.95	27.98	12556	35	36
1-3	1-2	0.00	0.95	0.24%	0.00	32.11	14411	36	36
1-2	1-1	0.80	0.84	0.29%	3.40	35.51	15939	36	36
PIPE RUN 1 LATERALS									
RD3	1-5.2	1.02	0.95	2.00%	4.92	4.92	2210	12	12
1-5.2	1-5.1	0.00	0.95	2.00%	0.00	4.92	2207	12	12
1-5.1	1-5	0.00	0.95	0.58%	0.00	4.90	2200	15	15
RD2	1-4.1	0.51	0.95	0.50%	2.46	2.46	1105	12	12
1-4.1	1-4	0.00	0.95	0.50%	0.00	2.46	1103	12	12
RD1	1-3.1	0.86	0.95	1.40%	4.15	4.15	1863	12	12
1-3.1	1-3	0.00	0.95	1.40%	0.00	4.15	1861	12	12
1-5.3	1-5	0.70	0.76	1.00%	3.37	3.37	1514	12	12
PIPE RUN 2									
2-3	2-2	0.21	0.95	0.50%	1.26	1.26	566	9	12
2-2	2-1	0.35	0.69	1.00%	1.45	2.65	1191	11	12
TD1	2-2	0.11	0.95	1.00%	0.64	0.64	288	6	12
PIPE RUN 3									
RD4	3-3	0.90	0.95	2.10%	5.20	5.20	2335	12	12
3-3	3-2	0.00	0.95	2.10%	0.00	5.37	2411	12	12
3-2	3-1	0.34	0.95	1.50%	2.02	7.34	3293	15	15
3-1	3-0	0.00	0.95	0.50%	0.00	7.18	3221	18	24
PIPE RUN 4									
4-2	4-1	1.23	0.88	1.20%	6.85	6.85	3074	15	15

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GRADING PLAN

WALMART STORE NO. 2936-05
WEST SILVER SPRING DRIVE
MILWAUKEE, WISCONSIN

JOB NUMBER: 08-15-10-091

McClure Engineering Associates, Inc.
5417 North 118th Court
Milwaukee, Wisconsin 53225
(414) 616-4880
FAX (414) 616-4885

Walmart

PLOTTING SCALE: 1" =60'
DESIGNED BY: BCS
DRAWN BY: BCS
CHECKED BY: JLJ
DATE: FEBRUARY 17, 2011

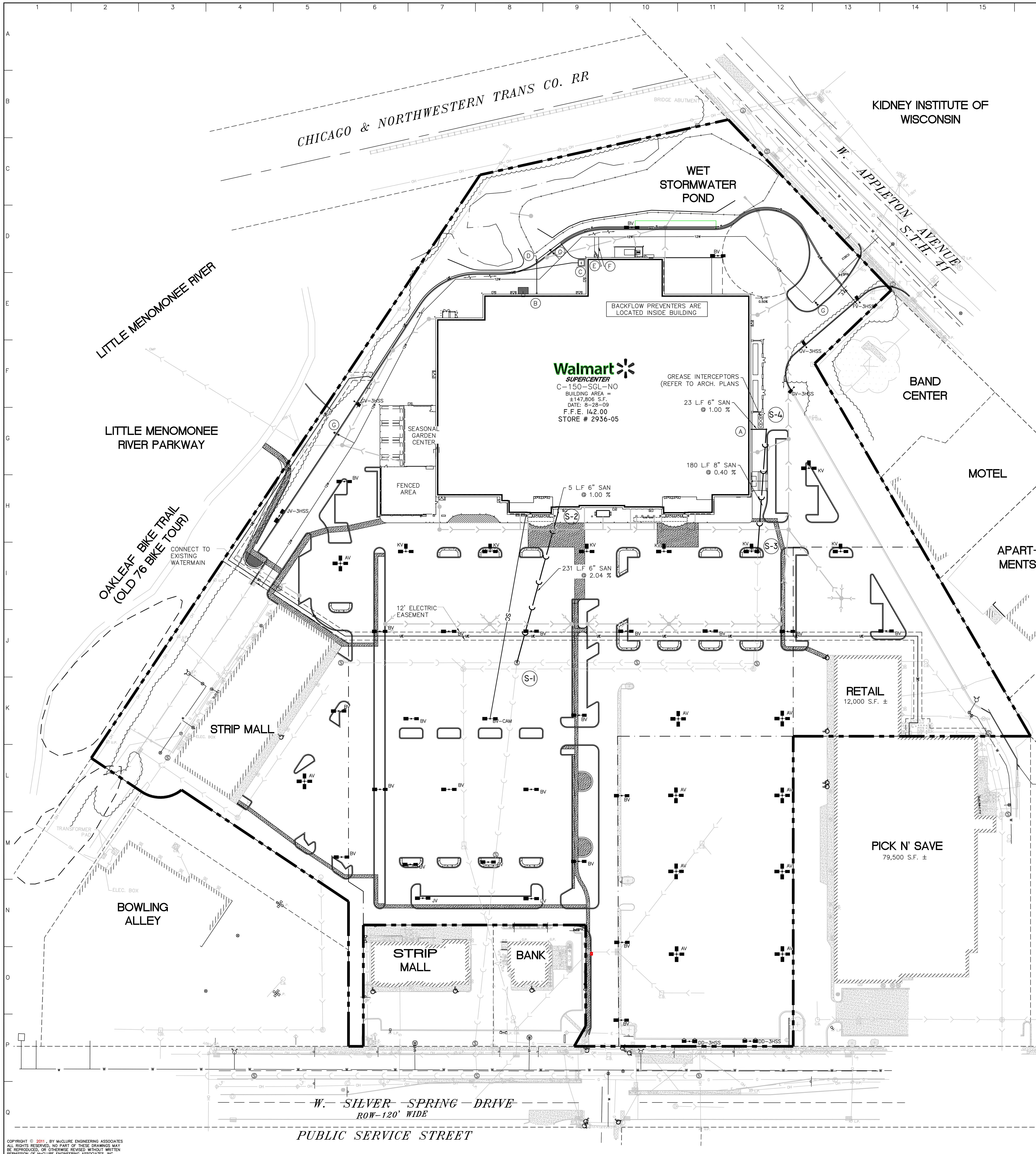
REVISIONS

NO.	ITEM	DATE
1	PER CITY COMMENTS	3/7/2011
2	PER CITY COMMENTS	3/24/2011

SHEET NO.

C6.0

08-15-10-091



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GRAPHIC SCALE

60 0 30 60 120 240

(IN FEET)
1 inch = 60 ft.

DIGGERS HOTLINE
TOLL FREE (800) 242-8511
MILWAUKEE AREA (414) 259-1181
HEARING IMPAIRED TDD (800) 542-2289
WWW.DIGGERSHOTLINE.COM

NORTH

ALERT TO CONTRACTOR:

ALL WM GENERAL CONTRACTOR WORK TO BE COMPLETED (EARTHWORK, FINAL UTILITIES, AND FINAL GRADING) BY THE MILESTONE DATE IN PROJECT DOCUMENTS. IF APPLICABLE, OUTLOT AREA TO BE KEPT FREE OF JOB TRAILERS AND STORAGE AFTER THE CONTRACT MILESTONE DATE FOR THE OUTLOT. WM GENERAL CONTRACTOR TO PROVIDE CLEAR ACCESS FOR OUTLOT CONTRACTOR TO THE SPECIFIC PARCEL AT ALL TIMES AFTER MILESTONE DATE. PURCHASER OF OUTLOT TO PROVIDE PERMIT DOCUMENTS AND SWPPP REQUIRED BY STATE/LOCAL REQUIREMENTS FOR SPECIFIC OUTLOT.

STRUCTURE LIST

(S-1) SANITARY MANHOLE
ADJUST RIM FROM 138.94 TO 139.00
6" N-130.09 CONNECT
8" S-130.04
8" W-130.09
8" E-130.09

(S-2) SAN SWR CLEANOUT
RIM 141.95
INV(N) 134.80
INV(S) 647.79

(S-3) SANITARY MANHOLE
ADJUST RIM FROM 139.13 TO 141.00
8" PVC N-132.25 CONNECT
8" PVC S-132.28
6" PVC E-132.28

(S-4) SAN SWR CLEANOUT
RIM 141.50
INV(W) 133.00
INV(S) 133.00

LEGEND

- EXISTING OVERHEAD ELECTRIC
- EXISTING UNDERGROUND FIBER OPTIC
- EXISTING UNDERGROUND ELECTRIC
- EXISTING WATER MAIN
- EXISTING GAS MAIN
- EXISTING STORM SEWER
- EXISTING SANITARY SEWER
- EXISTING ELECTRIC HANDHOLE
- EXISTING TRAFFIC SIGNAL
- EXISTING STORM MANHOLE
- EXISTING SANITARY MANHOLE
- EXISTING CATCH BASIN
- EXISTING WATER VALVE
- PROPOSED SANITARY SEWER
- PROPOSED 8" WATER MAIN
- PROPOSED UNDERGROUND TELEPHONE
- PROPOSED UNDERGROUND ELECTRIC
- PROPOSED GAS MAIN
- PROPOSED 2 FIXTURE LIGHT POLE AND BASE
- PROPOSED 3 FIXTURE LIGHT POLE AND BASE
- PROPOSED SHIELDED 2 FIXTURE LIGHT POLE AND BASE
- SINGLE FIXTURE LIGHT POLE AND BASE
- PIPE BOLLARD
- PROPOSED FIRE HYDRANT ASSEMBLY
- PROPOSED TEE
- PROPOSED VALVE
- PROPOSED SANITARY CLEANOUT
- PROPOSED SANITARY MANHOLE
- UTILITY CONFICT CHECK

UTILITY NOTES

1. SANITARY SEWER AND WATERMAIN CONSTRUCTION SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR SEWER AND WATER CONSTRUCTION IN WISCONSIN, CURRENT EDITION AS WELL AS THE REQUIREMENTS SET FORTH BY THE CITY OF MILWAUKEE, WI.
2. WATER MAIN, FIRE HYDRANTS, AND VALVES IN CITY ROW/EASEMENTS SHALL INCORPORATE THE CITY OF MILWAUKEE, WI MATERIAL STANDARDS.
3. ALL FILL MATERIAL IS TO BE IN PLACE, AND COMPACTED BEFORE INSTALLATION OF PROPOSED UTILITIES.
4. CONTRACTOR SHALL NOTIFY THE UTILITY AUTHORITIES INSPECTORS 72 HOURS BEFORE CONNECTING TO ANY EXISTING LINE.
5. SANITARY SEWER PIPE SHALL BE AS FOLLOWS:
   8" PVC SDR35 PER ASTM D 3034, FOR PIPES LESS THAN 12' DEEP
   8" PVC SDR26 PER ASTM D 3034, FOR PIPES MORE THAN 12' DEEP
   6" PVC SCHEDULE 40
   DUCTILE IRON PIPE PER AWWA C150
6. WATER LINES SHALL BE AS FOLLOWS:
   6" AND LARGER, PVC C-900 PER ASTM D 2241
   CLASS 200 UNDER COUNTY ROADS, OTHERWISE CLASS 150
   6" AND LARGER DUCTILE IRON PIPE PER AWWA C150
   SMALLER THAN 6" EITHER COPPER TUBE TYPE "L" (SOFT) PER ANSI 816.22 OR PVC, 200 P.S.I., PER ASTM D1784 AND D2241
7. MINIMUM TRENCH WIDTH SHALL BE 2 FEET.
8. ALL WATER JOINTS ARE TO BE MECHANICAL JOINTS WITH THRUST BLOCKING AS CALLED OUT IN SPECIFICATIONS.
9. ALL UTILITIES SHOULD BE KEPT TEN (8') APART (PARALLEL) OR 18" VERTICAL CLEARANCE WHEN CROSSING (CENTER OF PIPE TO CENTER OF PIPE).
10. CONTRACTOR SHALL MAINTAIN A MINIMUM OF 6'-0" COVER ON ALL WATERLINES.
11. IN THE EVENT OF A VERTICAL CONFLICT BETWEEN WATER LINES, SANITARY LINES, STORM LINES AND GAS LINES (EXISTING AND PROPOSED), THE SANITARY LINE SHALL BE DUCTILE IRON PIPE WITH MECHANICAL JOINTS AT LEAST 10 FEET ON BOTH SIDES OF CROSSING, THE WATER LINE 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 21.11 (AWWA C-151) (CLASS 50).
12. LINES UNDERGROUND SHALL BE INSTALLED, INSPECTED AND APPROVED BEFORE BACKFILLING.
13. TOPS OF EXISTING MANHOLES SHALL BE RAISED AS NECESSARY TO BE FLUSH WITH PROPOSED PAVEMENT ELEVATIONS.
14. ALL CONCRETE FOR ENCASEMENTS SHALL HAVE A MINIMUM 28 DAY COMPRESSION STRENGTH AT 3000 P.S.I.
15. EXISTING UTILITIES SHALL BE VERIFIED IN FIELD PRIOR TO INSTALLATION OF ANY NEW LINES.
16. REFER TO ARCHITECTURAL INTERIOR PLUMBING DRAWINGS FOR TIE-IN OF ALL UTILITIES.
17. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANIES AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.
18. CONTRACTOR IS RESPONSIBLE FOR ALL NECESSARY INSPECTIONS AND/OR CERTIFICATIONS REQUIRED BY CODES AND/OR UTILITY SERVICE COMPANIES. THIS AND THE FINAL CONNECTIONS OF THE SERVICE SHALL BE COMPLETED 30 DAYS PRIOR TO STORE POSSESSION.
19. CONTRACTOR SHALL COMPLY TO THE FULLEST EXTENT WITH THE LATEST STANDARDS OF OSHA DIRECTIVES OR ANY OTHER AGENCY HAVING JURISDICTION FOR EXCAVATION AND TRENCHING PROCEDURES. THE CONTRACTOR SHALL USE SUPPORT SYSTEMS, SLOPING, BENCHING, AND OTHER MEANS OF PROTECTION, TO INCLUDE BUT NOT LIMITED FOR ACCESS AND EGRESS FROM ALL EXCAVATION AND TRENCHING.
20. CONTRACTOR IS RESPONSIBLE TO COMPLY WITH PERFORMANCE CRITERIA FOR OSHA.
21. CONTRACTOR SHALL COORDINATE WITH ALL UTILITY COMPANIES FOR INSTALLATION REQUIREMENTS AND SPECIFICATIONS.
22. UTILITIES SHOWN AS EXISTING IN PUBLIC R/W (WATER, SEWER, STORM) AND THE ROADWAYS THEMSELVES ARE NOT CONSTRUCTED AS OF THIS DATE. THIS INFRASTRUCTURE IS PROPOSED TO BE BUILT AS SHOWN (BY OTHERS) BUT MAY NOT ALL BE COMPLETED AT TIME OF WALMARTS CONSTRUCTION.
23. REFER TO ARCHITECTURAL BUILDING PLANS FOR SITE LIGHTING ELECTRICAL PLAN.

UTILITY LEGEND

(A) 6" SANITARY SEWER LATERAL AT MINIMUM 1.0% SLOPE. COORDINATE WITH ARCHITECTURAL PLANS.

(B) GAS ENTRY WITH GAS METER. CONTRACTOR RESPONSIBLE FOR INSTALLING PIPE BOLLARD PROTECTION AT METER. CONTRACTOR SHALL COORDINATE WITH GAS COMPANY FOR TYING OF INDIVIDUAL METER. CONTRACTOR IS RESPONSIBLE FOR COORDINATION WITH GAS COMPANY REGARDING THE SIZE AND INSTALLATION OF GAS SERVICE LINE.

(C) 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 SAID WORK WITH THE ELECTRIC COMPANY. FINAL LOCATION OF TRANSFORMER AND BOLLARD CANNOT CONFLICT WITH TRUCK ACCESS TO DOCK DOOR.
UNDERGROUND TELEPHONE FROM POLE TO BUILDING TO BE EXTENDED BY TELEPHONE COMPANY.

(D) CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH THE TELEPHONE COMPANY FOR THE INSTALLATION OF OVERHEAD TELEPHONE LINES. CONTRACTOR SHALL COORDINATE THE TYING OF INDIVIDUAL METERS WITH THE ELECTRIC COMPANY. CONTRACTOR TO COORDINATE WITH TELEPHONE COMPANY TO INSURE PROPER SEPARATION BETWEEN OVERHEAD LINES AND LIGHT POLES.

(E) 3" DOMESTIC WATER LINE ENTRY WITH METER PER CITY OF MILWAUKEE WATER WORKS REQUIREMENTS. CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING ANY APPURTENANCES ON THE DOMESTIC LINE SUCH AS BACKFLOW PREVENTION DEVICES, GATE VALVES, ETC., WHICH MAY BE REQUIRED. CONTRACTOR TO COORDINATE WITH CITY OF MILWAUKEE WATER WORKS.

(F) 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 VALVE, GATE VALVES, ETC., MEETING CITY OF MILWAUKEE WATER WORKS SPECIFICATIONS.

(G) PROPOSED FIRE HYDRANT AND ASSEMBLY, TYPICAL AS INDICATED. SEE DETAIL SHEET.

(H) REMOTE GARDEN CENTER UTILITIES PIPE BOLLARD. SEE DETAIL SHEET.

(I) ALL LP CAMERA PULL BOXES LOCATED IN PAVED AREAS SUBJECT TO TRUCK TRAFFIC SHALL BE "H-20" LOAD RATED. THE TYPICAL PULL BOX SIZE WILL BE 17" X 30" X 28" "QUAZITE" PG1730BA28 BOX WITH PG1730HH00 LID, 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 8" OF GRAVEL COMPACTED PER PROJECT SPECIFICATIONS.

(J) ONE 3" DIAMETER CARLON TYPE "DB" DIRECT BURIAL TELEPHONE DUCT OR 3" SCHEDULE 40 PVC. INSTALL GALVANIZED PULL WIRE OR PURPLE PROPYLPOLYETHYLENE ROPE WITH A MINIMUM PULLING TENSION OF 100 POUNDS. THE MINIMUM BURIAL DEPTH SHALL BE 24". INSTALL AN ORANGE DETECTABLE HAZARD TAPE WITH INTEGRAL "BURIED CABLE" WORDING, 12" ABOVE CONDUIT.

(K) ONE 2" CONDUIT SHALL BE CARLON TYPE "DB" DIRECT BURIAL TELEPHONE DUCT OR SCHEDULE 40 PVC. INSTALL GALVANIZED PULL WIRE OR PURPLE PROPYLPOLYETHYLENE ROPE WITH A MINIMUM PULLING TENSION OF 100 POUNDS. THE MINIMUM BURIAL DEPTH SHALL BE 24". INSTALL AN ORANGE DETECTABLE HAZARD TAPE WITH INTEGRAL "BURIED CABLE" WORDING, 12" ABOVE CONDUIT. THE 2" LP CAMERA CONDUIT SHALL BE SEPARATED FROM THE 480VAC LIGHT FIXTURE POWER BY A DIVIDER PLACED IN THE LIGHT POLE BASE JUNCTION BOX.

UTILITY PLAN

WALMART STORE NO. 2936-05

WEST SILVER SPRING DRIVE — MILWAUKEE, WISCONSIN

FILE NAME: I:\08-15-10-066-CATLIN-MILW SILVER SPRING\DESIGN\DRAWINGS\C7.0 UTILITY PLAN.DWG

JOB NUMBER: 08-15-10-091

McClure Engineering Associates, Inc.
5417 North 118th Court, Milwaukee, Wisconsin 53225
(414) 616-4880 FAX (414) 616-4885

Walmart

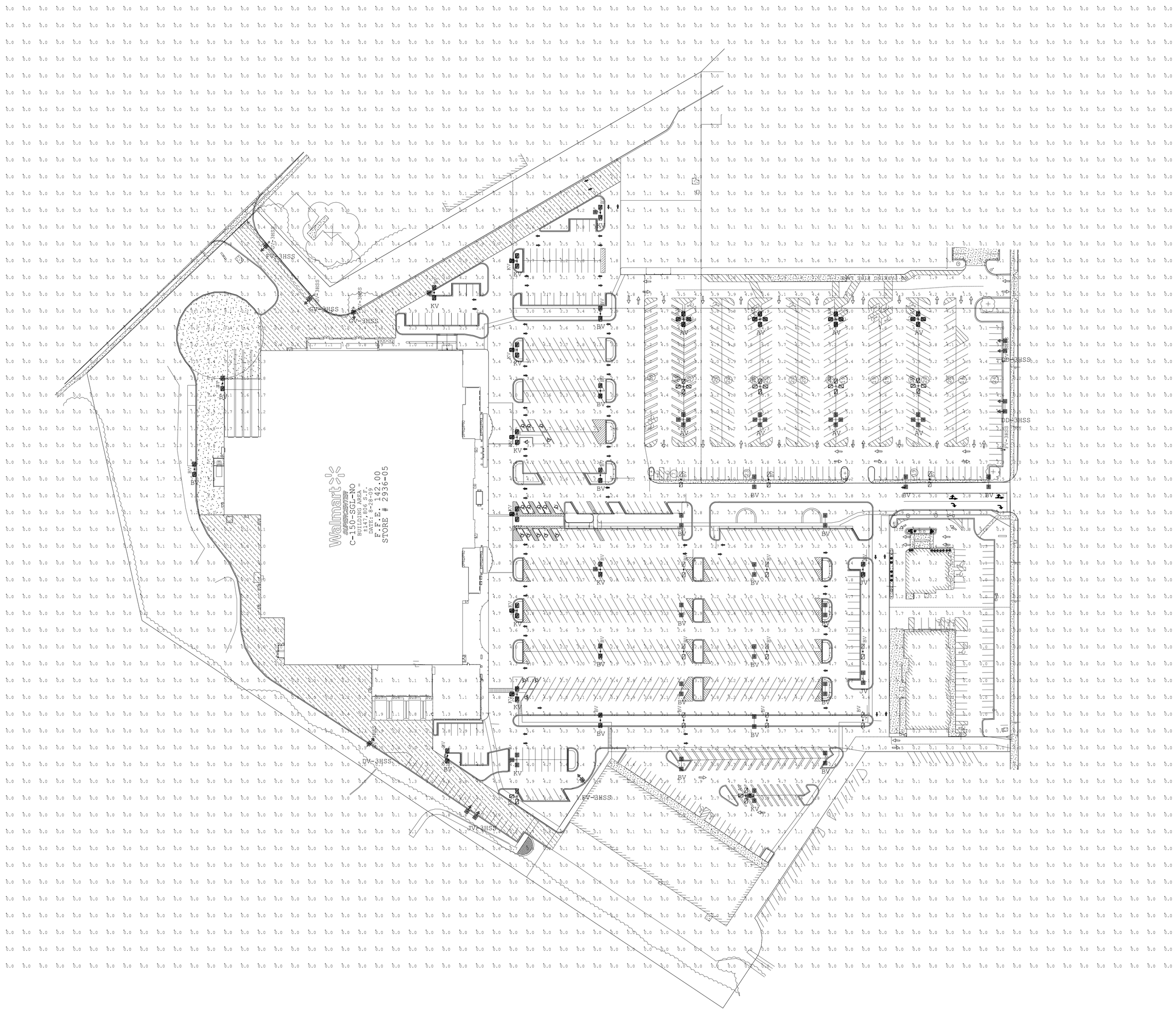
PLOTTING SCALE:	1" =60'
DESIGNED BY:	BCS
DRAWN BY:	BCS
CHECKED BY:	JLJ
DATE:	FEBRUARY 17, 2011

REVISIONS

NO.	ITEM	DATE
1	PER CITY COMMENTS	3/7/2011
2	PER CITY COMMENTS	3/24/2011

SHEET NO. C7.0

08-15-10-091



GREENBRIAR
FLAT LENS
IESNA FULL CUTOFF

Maintained Footcandle levels at grade.

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
FRONT DRIVE SUMMARY	Illuminance	Fc	3.56	4.7	1.8	1.98	2.61
MAIN LOT SUMMARY	Illuminance	Fc	3.57	7.3	1.8	1.98	4.06

Luminaire Schedule								
Symbol	Qty	Label	Arrangement	Description	LLF	Lumens/Lamp	Arr. Lum. Lumens	Arr. Watts
	8	AV	4 @ 90 DEGREES	GFR-5-400-PSMV-F 27' POLE 3' BASE	0.750	44000	104192	1808
	22	BV	D180	GFR-5-400-PSMV-F 27' POLE 3' BASE	0.750	44000	52096	904
	2	DD-3HSS	ROTATED 2 IN 90	GFR-FP-400-PSMV-F-3HSS 27' POLE 3' BASE	0.750	44000	32294	904
	1	DV-3HSS	SINGLE	GFR-FP-400-PSMV-F-3HSS 27' POLE 3' BASE	0.750	44000	16147	452
	2	FV-3HSS	SINGLE	GFR-2-400-PSMV-F-3HSS 27' POLE 3' BASE	0.750	44000	16015	452
	2	GV-3HSS	SINGLE	GFR-3-400-PSMV-F-3HSS 27' POLE 3' BASE	0.750	44000	14363	452
	2	JV	ROTATED 2 IN 90	GFR-2-400-PSMV-F 27' POLE 3' BASE	0.750	44000	51888	904
	1	JV-3HSS	ROTATED 2 IN 90	GFR-2-400-PSMV-F-3HSS 27' POLE 3' BASE	0.750	44000	32030	904
	11	KV	3 @ 90 DEGREES	GFR-5-400-PSMV-F 27' POLE 3' BASE	0.750	44000	78144	1356

Total Project Watts
Total Watts = 56048

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. Calculations do not include obstructions such as buildings, curbs, landscaping, or any other architectural elements unless noted.

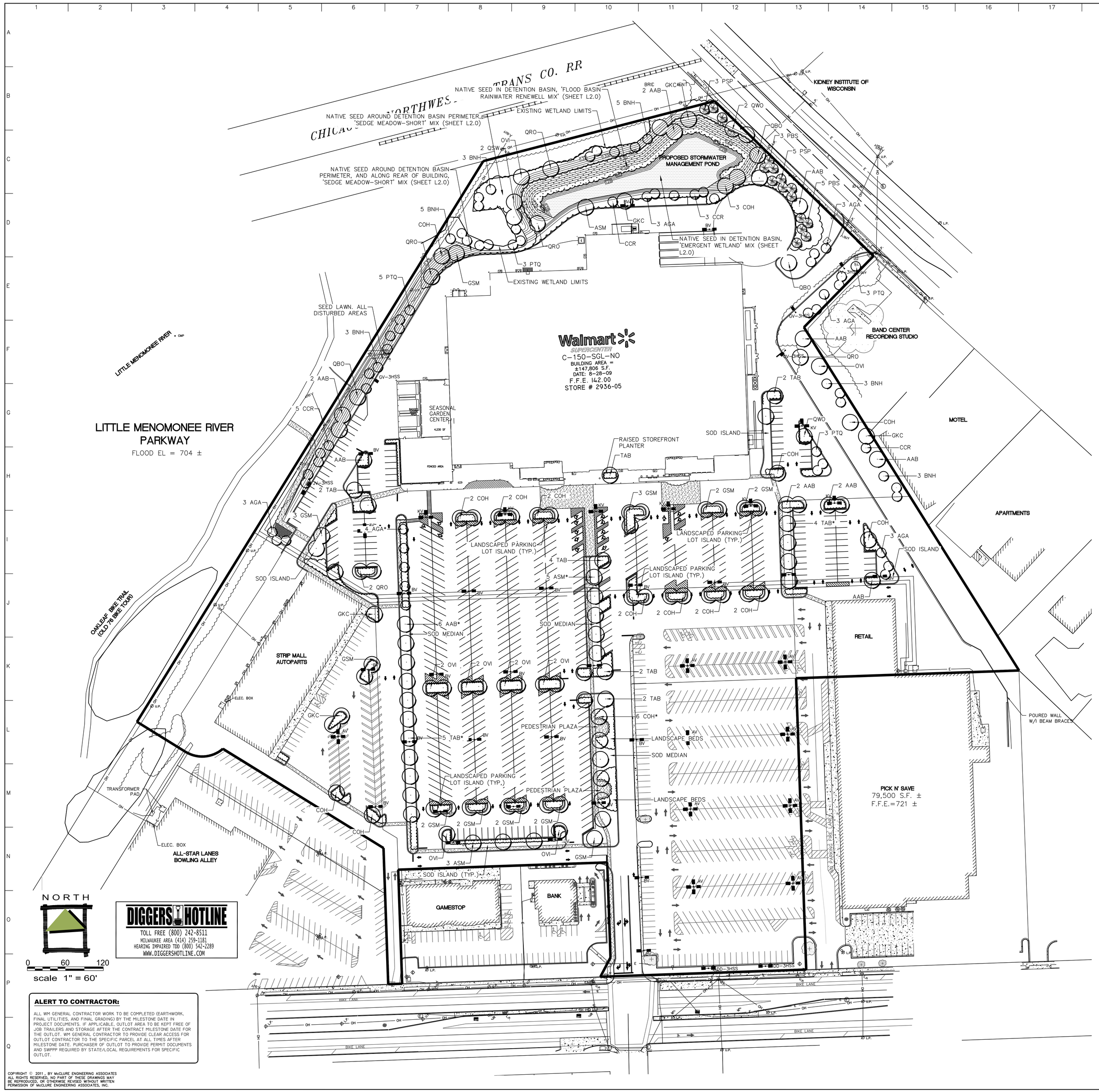
80Ft

INDUSTRIES™
10000 ALLIANCE RD. CINCINNATI, OHIO 45242 USA
(513) 745-1200 * FAX (513) 793-0022

LIGHTING PROPOSAL FOR

WAL-MART STORE #2936
MILWAUKEE, MI

SCALE: 1"=80'	LO-105340-2
DATE: 3/24/11	
BY: VLM	SHEET 1 OF 1



ALERT TO CONTRACTOR:

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PROPOSED SHADE TREE

EXISTING SHADE TREE

PROPOSED EVERGREEN TREES

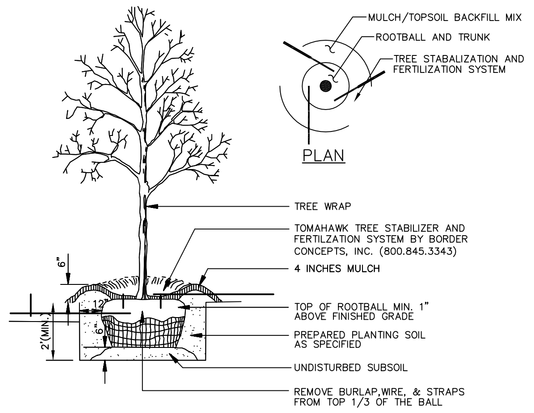
EXISTING EVERGREEN TREE

PROPOSED ORNAMENTAL TREE

PROPOSED SHRUB GROUPINGS

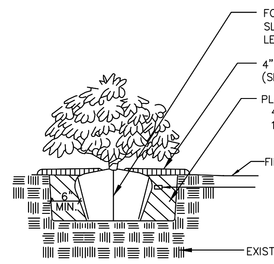
A / L1 TREE PLANTING DETAIL

NO SCALE



B / L1 TREE PLANTING DETAIL

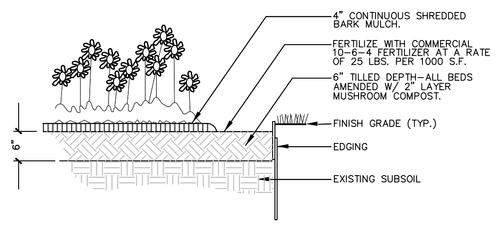
NO SCALE



1. TOP OF SHRUB ROOTBALLS TO BE PLANTED 1" - 2" HIGH WITH SOIL MOUNDING UP TO THE TOP OF ROOTBALL.
2. WHEN USED IN MASSES- PRUNE ALL SHRUBS TO ACHIEVE A UNIFORM MASS/HEIGHT
3. 4" MINIMUM OF HARDWOOD BARK MULCH COMPACTED OR AS SPECIFIED.
4. EXCAVATE ENTIRE BED SPECIFIED FOR GROUNDCOVER BED.
5. 4" MINIMUM OF TOPSOIL TO BRING TO FINISHED GRADE (SEE GRADING PLAN).
6. PREPARED PLANTING SOIL AS SPECIFIED. NOTE: WHEN GROUND-COVERS AND SHRUBS USED IN MASSES ENTIRE BED TO BE AMENDED WITH PLANTING SOIL MIX AS SPECIFIED.
7. SCARIFY ROOTBALL SIDES AND BOTTOM.

C / L1 SHRUB PLANTING DETAIL

NO SCALE



D / L1 PERENNIAL PLANTING DETAIL

NO SCALE

L1 - LANDSCAPE PLAN

WALMART STORE NO. 2936-05

MILWAUKEE, WISCONSIN

WEST SILVER SPRING DRIVE

JOB NUMBER: 08-15-10-091

FILE NAME:

McClure Engineering Associates, Inc.
5417 North 118th Court
Milwaukee, Wisconsin 53225
(414) 616-4880
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Walmart

PLOTTING SCALE:	1" =60'
DESIGNED BY:	SLS
DRAWN BY:	SLS
CHECKED BY:	SLS
DATE:	MARCH 29, 2011

NO.	ITEM	DATE

REVISIONS

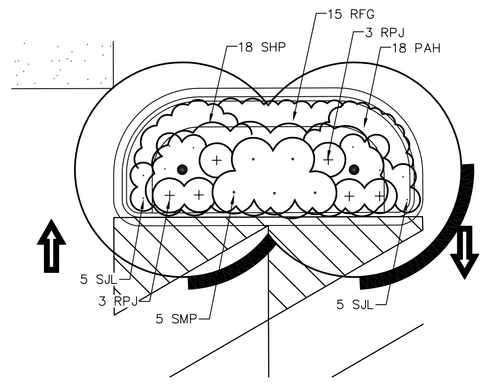
SHEET NO.

L1

08-15-10-091

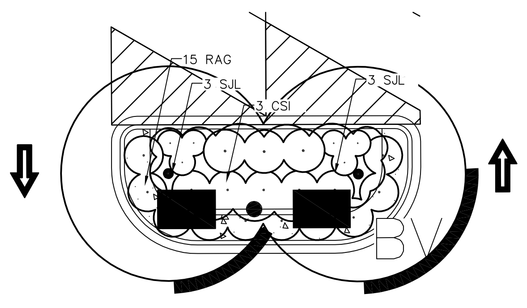
native seed notes

1. SEEDING SHALL BE PEFORMED BY A QUALIFIED CONTACTOR WITH EXPERIENCE IN NATURAL AND WETLAND SEEDING INSTALLATION.
2. NATIVE PRAIRIE AND BASIN SEEDING SHALL OCUR IN LATE FALL OR EARLY SPRING, BETWEEN NOVEMBER 15 AND JULY 1. SEEDS SHALL HAVE PROPER STRATIFICATION AND SCARIFICATION TO BREAK SPRING DORMANCY FOR SPRING PLANTING. ALL LEGUMES SHALL BE INOCULATED WITH THE PROPER RHIZOBIA AT THE APPROPRIATE TIME PRIOR TO PLANTING.
3. ALL SEED SHALL BE FRESH DRY NEW SEED CROP TESTED FOR PURITY AND GERMINATION AND MIXED IN PROPORTIONS BY WEIGHT. SEED WEIGHTS SPECIFIED INDICATE WEIGHTS PER ACRE IN PURE LIVE SEED.
4. SEED MIXTURES SHALL BE BLENDED BY THE VENDOR, AND ACCOMPANIED BY A WRITTEN AFFIDAVIT CERTIFYING COMPOSITION OF SEED MIXTURES AND INTEGRITY OF SEED WITH RESPECT TO SPECIES, VARIETY AND SOURCE.
5. **TAKE CARE TO COMPLETELY REMOVE ALL EXISTING VEGETATION FROM ALL AREAS THAT ARE TO RECEIVE PRAIRIE OR WETLAND SEEDING. SMOTHER OR TILL EXISTING TURF GRASSES OR APPLY NON-SELECTIVE HERBACIDE SUCH AS ROUND-UP DURING GROWING SEASON. REMOVE ANY CLUMPS OF SOD, THATCH, OR OTHER VEGETATION TO CREATE SMOOTH SEED BED.**
6. ALL SEED SHALL BE PREFERENTIALLY INSTALLED WITH A RANGELAND TYPE GRAIN DRILL OR NO-TILL PLANTER, SUCH AS A TRUAX OR EQUIVELANT. PRIOR TO STARTING WORK, CALIBRATE THE SEEDING EQUIPMENT TO SOW SEDS AT THE PROPER SEEDING RATE. EQUIPMENT SHALL BE OPERATED IN A MANNER TO ENSURE COMPLETE AND UNIFORM COVERAGE OF ENTIRE AREA.
7. DRILL-SEED SLOPES GREATER THAN 5:1 PARALLEL TO CONTOURS. DRILL-SEED ALL AREAS GREATER THAN 5:1 SLOPE BY DRILLING ONCE AT HALF THE SPECIFIED RATE IN ONE DIRECTION, AND AGAIN AT HALF THE SPECIFIED WEIGHT PERPENDICULAR TO THE FIRST TO ENSURE EVEN AND COMPLETE COVERAGE.
8. ALL AREAS RECEIVING SWALE SEEDING MIX SHALL BE PROTECTED WITH EROSION CONTROL SLOPE BLANKET. SLOPE BLANKET SHALL BE MACHINE PRODUCED 100% BIODEGRADABLE MAT OF AGRICULTURAL STRAW OR EXCELSIOR MATERIAL WITH A FUNCTIONAL LONGEVITY OF TWELVE (12) MONTHS. ACCEPTABLE MATERIALS INCLUDE S75BN STRAW BLANKET BY NORTH AMERICAN GREEN, CURLEX 1 EXCELSIOR OR AEC PREMIER STRAW TYPESS-02 BY AMERICAN EXCELSIOR COMPANY.
9. ALL SEEDED AREAS SHALL BE MULCHED WITHIN THREE (3) DAYS OF SEEDING. ALL AREAS THAT ARE ON SLOPES GREATER THAN 5:1 THAT ARE NOT COVERED WITH EROSION CONTROL BLANKET SHALL BE MULCHED USING CRIMPED STRAW OR HAY AT A RATE OF 200 POUNDS PER ACRE. CRIMP MULCH WITH A STRAIGHT DISC OR SPECIALIZED CRIMPING ROLLER PULLED AT RIGHT ANGLES TO THE SLOPES. HAY, OR THRESHED STRAW (WHEAT, RYE, OATS, OR BARLEY) SHALL BE SEED FREE. FOR HYDROMULCH APPLICTION USE WOODCELLULOSE FIBER WITHOUT ANY TACKIFIER AND CONTAINING NO GROWTH OR GERMINATION INHIBITING FACTORS.
10. MOW ALL SEEDED AREAS TO A HEIGHT OF 8"-10" AFTER VEGETATION HAS REACHED A HEIGHT OF 18", AND BEFORE NON-NATIVE SPECIES GO TO SEED DURING THE FIRST TWO MONTHS OF THE GROWING SEASON.



A / L2 SAMPLE PARKING LOT ISLAND

SCALE 1" = 10'-0"



B / L2 SAMPLE PARKING LOT ISLAND

SCALE 1" = 10'-0"

prairie management plan

YEAR ONE

MOW THE NON-EMERGENT PLANTED AREAS TO A HEIGHT OF 6-8 INCHES, 2-4 TIMES DURING THE EARLY GROWING SEASON AND AS NEEDED TO CONTROL NON-NATIVE AND INVASIVE SPECIES. MOWING (INCLUDING WEED WHIPPING) SHALL TAKE PLACE PRIOR TO, OR WHEN NON-NATIVE AND INVASIVE SPECIES ARE FLOWERING SO AS TO PREVENT SEED SET. USE OF A FLAIL MOWER IS PREFERABLE AS WEEDS WILL BE CHOPPED DURING MOWING, IF FLAIL TYPT MOWER IS UNAVAILABLE, A ROTARY OR SICKLE BAR MOWER MAY BE USED. CONTROL UNDESIRABLE PLANT SPECIES, WHEN PRESENT IN SMALLER QUANTITIES, BY HAND PULLING PRIOR TO DEVELOPMENT OF A MATURE PLANT. REMOVAL SHALL INCLUDE ALL ABOVEGROUND AND BELOWGROUND STEMS ROOTS AND FLOWER MASSES WHILE TAKING CARE NOT TO DISTURB DEVELOPING PRAIRIE SEEDLINGS.

IN LARGER SEED AREAS, HERBACIDE MAY BE APPLIED AS NECESSARY BY A TRAINED AND LICENSED APPLICATOR TO ERADICATE NON-NATIVE AND INVASIVE SPECIES. NON-SELECTIVE HERBACIDES SHALL BE USED WITH GREAT CARE. THE ONLY ACCEPTABLE NON-SELECTIVE HERBACIDES ARE GLYPHOSATE BASED SUCH AS ROUND-UP, RODEO, OR RAZOR. THE ONLY ACCEPTABLE SELECTIVE HERBACIDES ARE 2,4-D BASED OR TRICLOPYR BASED SUCH AS GARLON 4.

AT END OF FORST GROWING SEASON, LEAVE ANY DEAD VEGETATION AND/OR STUBBLE STANDING. THIS HELPS CATCH WINTER SNOWS WHICH HELPS INSULATE SOIL AND SEEDLINGS.

YEAR TWO

DURING EARLY SPRING OF THE SECOND YEAR, MOW ALL STANDING RESIDUAL VEGETATION AS CLOSE TO THE GROUND AS POSSIBLE. RAKE AND REMOVE THE VEGETATION TO ENCOURAGE SOIL WARMING WHICH TRIGGERS WARM SEASON PRAIRIE PLANTS TO BREAK DORMANCY. MOWING (INCLUDING WEED WHIPPING) SHALL BE CONDUCTED 2-4 TIMES DURING THE EARLY GROWING SEASON AND AS NEEDED TO A HEIGHT OF 6 TO 8 INCHES TO PREVENT ANNUAL WEEDS FROM PRODUCING SEED. CONTINUE HERBACIDE APPLICATIONS AS DESCRIBED ABOVE THROUGHOUT SEASON TO CONTROL UNDESIRABLE PLANT SPECIES.

YEARS THREE -FIVE

AS IN THE SECOND YEAR, MOW ALL STANDING VEGETATION TO THE GROUND DURING EARLY SPRING. UNDESIRABLE PLANT SPECIES WILL CONTINUE TO BE CONTROLLED AS NECESSARY BY MOWING, HAND-PULLING AND/OR SPOT HERBACIDE APPLICATION. AT THE OWNERS DISCRETION, FIRE MAY BE INTRODUCED AS A PRIMARY MANAGEMENT TOOL DURING THE THIRD GROWING SEASON. BURNING SHALL BE CONDUCTED BY TRAINED PROFESSIONALS, EXPERIENCED IN THE FULE TYPES USED. STATE AND/OR LOCAL PERMITS SHALL BE OBTAINED PRIOR TO PRESCRIBES BURNING, AND LOCAL POLICE AND FIRE DEPARTMENTS SHALL BE NOTIFIED. INITIAL BURN SHALL BE DEPENDANT ON QUANTITY AND QUALITY OF GRASSES, FORBS, AND SEDGES PRESENT WITHIN THE PLANTING AREA.

A BURN PLAN DESIGNATING PREFERRED WIND DIRECTION AND SPEED, LOCATION OF FIREBREAKS, AND NECESSARY PERSONNEL AND EQUIPMENT SHALL BE PREPARED AND APPROVED BY COLLEGE PRIOR TO BURN IMPLEMENTATION. ANNUAL SPRING MOWING MAY BE SUBSTITUTED FOR PRESCRIBED BURNINGS IF PRIHIBITED.

native seed palette

SEDGE MEADOW - SHORT

10 LBS/ACRE PLS (60 SEEDS PER SF)
AGRECOL MIX: SM-SMS

MESIC SAVANNA - MIXED

10 LBS/ACRE PLS (60 SEEDS PER SF)
AGRECOL MIX: SM-MSM

FLOOD BASIN RAINWATER RENEWAL MIX

10 LBS/ACRE PLS (60 SEEDS PER SF)
AGRECOL MIX: SM-FBRRM

EMERGENT WETLAND MIXED

10 LBS/ACRE PLS (60 SEEDS PER SF)
AGRECOL MIX: SM-EWM

SPECIFIED SEED MIXES AVAILABLE THROUGH THE FOLLOWING:

AGRECOL, AGRICULTURAL ECOLOGIAL SOLUTIONS
PH: 608.223.3571 (WWW.AGRECOL.COM)

planting notes

11. LANDSCAPE CONTRACTOR (CONTRACTOR) SHALL VISIT SITE, INSPECT EXISTING CONDITIONS AND REVIEW PROPOSED PLANTING AND RELATED WORK. IN CASE OF DISCREPANCY BETWEEN PLAN AND PLANT LIST, PLAN SHALL GOVERN QUANTITIES.
12. CONTRACTOR SHALL VERIFY LOCATIONS OF ALL ON-SITE UTILITIES PRIOR TO BEGINNING CON-STRUCTION ON HIS PHASE OF WORK. ELECTRIC, GAS, TELEPHONE, AND CABLE TELEVISION MAY BE LOCATED BY CALLING DIGGERS HOTLINE (800) 242-8511. ANY DAMAGE OR INTERRUPTION OF SERVICES SHALL BE THE RESPONSIBILITY OF CONTRACTOR. CONTRACTOR SHALL COORDINATE ALL RELATED ACTIVITIES WITH OTHER TRADES ON THE JOB AND REPORT ANY UNACCEPTABLE JOB CONDITIONS TO OWNER'S REPRESENTATIVE PRIOR TO COMMENCING WORK.
13. CONTRACTOR RESPONSIBLE FOR APPLICATION AND COST OF ALL NECESSARY BUILDING PERMITS AND CODE VERIFICATIONS. SUBMIT COPIES OF ALL DOCUMENTS TO OWNER AND ARCHITECT.
14. ALL SHRUB BEDS AND TREES SHALL BE MULCHED WITH A 3" CONTINUOUS LAYER OF SHREDDED BARK. ALL GROUND COVER AND PERENNIAL BEDS SHALL BE MULCHED WITH A 2" LAYER OF SHREDDED BARK. ALL DECIDUOUS TREES SHALL BE MULCHED WITH A 3' DIAMETER CIRCLE OF MULCH. ALL EVERGREEN TREES SHALL BE MULCHED TO THE DRIP LINE.
15. CONTRACTOR SHALL GRADE ENTIRE SITE TO CORRECT SURFACE IRREGULARITIES IN PREPARATION FOR SEEDING ACTIVITIES. DISK, DRAG, HARROW, OR HAND RAKE SUBGRADE TO A DEPTH OF 6" IN ALL LAWN AREAS AND REMOVE STONES OR FOREIGN MATTER LARGER THAN 1-1/2". ALL AREAS TO BE SEEDED SHALL HAVE SMOOTH AND CONTINUAL GRADES, FREE FROM RIDGES AND DEPRESSIONS. ROLL RAKE AND LEVEL AS NECESSARY TO OBTAIN TRUE, EVEN LAWN SURFACES. SEED BEDS SHALL BE PERMITTED TO SETTLE, OR SHALL BE FIRMLY ROLLED BEFORE SEEDING BEGINS. FINISH GRADES SHALL MEET APPROVAL OF OWNER BEFORE GRASS SEED IS SOWN.
16. ALL DISTURBED AREAS ARE TO RECEIVE MINIMUN 6" OF TOPSOIL, SEED, STRAW MULCH, SEED OR SOD (AS NOTED). ALL LAWN AREAS TO BE WATERED UNTIL A HEALTHY STAND OF GRASS IS ESTABLISHED (SEE NOTES 8 AND 11 FOR ACCEPTANCE OF GRASS)
17. INSTALL SOD IN AREAS INDICATED ON PLAN. SOD TO BE WELL ESTABLISHED MINERAL TYPE GROWTH, NO PEAT SOD WILL BE ALLOWED. SOD BLEND SHALL CONSIST OF THE FOLLOWING BLUEGRASS TYPES: 55% BARONS, 15% MAJESTIC, 15% ADELPHI, AND 15% GLADE. SOD PIECES ARE TO BE FIT TIGHTLY TOGETHER SO THAT NO JOINT IS VISIBLE. ALTERNATE AND STAGGER COURSES AND TAMP OR ROLL FIRMLY. ALL SODDED LAWN AREAS SHALL BE FERTILIZED AT FIRST CUTTING WITH A 15-40-5 FERTILIZER AT A RATE OF 6 LBS PERT 1,000 S.F.
18. ACCEPTANCE OF GRADING AND SOD SHALL BE BY LANDSCAPE ARCHITECT AND/OR OWNER THE CONTRACTOR SHALL ASSUME MAINTENANCE RESPONSIBILITY FOR A MINIMUM OF THIRTY (30) DAYS OR UNTIL SECOND CUTTING, WHICHEVER IS LONGER. MAINTENANCE SHALL INCLUDE WATERING, WEEDING, REPLACEMENT OF WASH-OFFS, AND OTHER OPERATIONS NECESSARY TO KEEP SOD IN A THRIVING CONDITION. UPON FINAL ACCEPTANCE, THE OWNER SHALL ASSUME ALL MAINTENANCE RESPONSIBILITIES.
19. CONTRACTOR TO SEED ALL LAWN AREAS AS INDICATED ON PLAN. SEEDED LAWN TO BE A COMBINATION OF BLUEGRASS, PERENNIAL RYE, AND RED FESCUE WITH THE FOLLOWING ANALYSIS BY WEIGHT: 30% RUGBY KENTUCKY BLUEGRASS, 20% PARK KENTUCKY BLUEGRASS, 20% RUBY CREEPING RED FESCUE, 20% SCALDIS HARD FESCUE, AND 10% PENNFINE PERENNIAL RYE GRASS ALL SEEDED AREAS SHALL BE COVERED WITH STRAW MULCH AT A RATE OF 2 TONS PER ACRE IN ACCORDANCE WITH MULCH METHOD I, SECTION 251 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, ADOPTED JANUARY 1 2007.
20. ALL SEEDED LAWN AREAS SHALL BE FERTILIZED AT INSTALLATION WITH A 0-26-26 ANALYSIS AT A RATE OF 6 LBS. PER 1,000 S.F.. A SECOND APPLICATION OF 15-40-5 TO BE APPLIED AT AT RATE OF 6 LBS. PER 1,000 S.F. AFTER FIRST CUTTING. ACCEPTANCE AND GUARANTEE NOTE SHALL APPLY TO ALL SEEDED LAWN AREAS.
21. ACCEPTANCE OF GRADING AND SEEDING SHALL BE BY LANDSCAPE ARCHITECT AND/OR OWNER. THE CONTRACTOR SHALL ASSUME MAINTENANCE RESPONSIBILITIES FOR A MINIMUM OF SIXTY (60) DAYS OR UNTIL SECOND CUTTING, WHICHEVER IS LONGER. MAINTENANCE SHALL INCLUDE WATERING, WEEDING, RESEEDING, AND OTHER OPERATIONS NECESSARY TO KEEP ALL LAWN AREAS IN A THRIVING CONDITION. UPON FINAL ACCEPTANCE, OWNER SHALL ASSUME ALL MAINTENANCE RESPONSIBILITIES. AFTER LAWN AREAS HAVE GERMINATED, AREAS WHICH FAIL TO SHOW A UNIFORM STAND OF GRASS FOR ANY REASON WHATSOEVER SHALL BE RESEEDED REPEATEDLY UNTIL ALL AREAS ARE COVERED WITH A SATISFACTORY STAND OF GRASS. MINIMUM ACCEPTANCE OF SEEDED LAWN AREAS MAY INCLUDE SCATTERED BARE SPOTS, NONE OF WHICH ARE LARGER THAN 1 SQUARE FOOT, AND WHEN COMBINED DO NOT EXCEED 2% OF TOTAL SEEDED LAWN AREA.
22. GUARANTEE OF PLANTS FOR ONE (1) YEAR SHALL BEGIN AFTER ACCEPTANCE BY LANDSCAPE ARCHITECT AND/OR OWNER. THE OWNER SHALL ASSUME MAINTENANCE RESPONSIBILITIES FOR ALL PLANT MATERIAL INCLUDING WATERING, WEEDING, MULCHING, AND SPRAYING, AS NECESSARY TO KEEP PLANTS FREE OF INSECTS AND IN A HEALTHY, VIGOROUS CONDITION. CONTRACTOR SHALL REPLACE WITHOUT COST TO OWNER ANY DEAD OR UNACCEPTABLE PLANTS, AS DETERMINED BY LANDSCAPE ARCHITECT AT END OF ONE (1) YEAR GUARANTEE PERIOD.
23. EXTENDED MAINTENANCE AND WARRANTY PERIOD OF LANDSCAPE INSTALLATION SHALL COMMENCE UPON ACCEPTANCE OF SUBSTANTIAL COMPLETION, AND SHAL HAVE A DURATION OF 12 TO 19 MONTHS DEPENDING UPON THE ACCEPTED COMPLETION DATE AS OUTLINED IN SECTION 3.11.B OF THE PLANTING SPECIFICATIONS.
24. INSTALLATION OF AN AUTOMATIC IRRIGATION SYSTEM IS NOT REQUIRED BY IOWA CITY MUNICIPAL ORDINANCE, AND IN THE FURTHERANCE OF WAL-MART'S GOAL OF WATER CONSERVATION, NO SUCH SYSTEM SHALL BE INSTALLED. SUPPLEMENTAL WATERING SHALL BE PERFORMED BY THE LANDSCAPE CONTRACTOR DURING ESTABLISHMENT OF PLANT MATERIAL IN ACCORDANCE WITH THE PLANTING SPECIFICATIONS (SECTION 02900). CARE HAS BEEN TAKEN TO SELECT PLANT MATERIAL THAT IS PROVEN HARDY IN COMMERCIAL APPLICATIONS AND WILL PROVIDE MAXIMUM DROUGHT TOLERANCE ONCE ESTABLISHED.

planting list

KEY	QTY	Botanical name / COMMON NAME	SIZE	REMARKS
AAB	XX	Acer x freemani 'Autumn Blaze' AUTUMN BLAZE MAPLE	2-1/2"	
AAB*	XX	Acer x freemani 'Autumn Blaze' AUTUMN BLAZE MAPLE	4"	
AGA	XX	Amelanchier x grandiflora 'Autumn Brillance' AUTUMN BRILLIANCE SERVICEBERRY	8'	MULTI-STEM
AGA*	XX	Amelanchier x grandiflora 'Autumn Brillance' AUTUMN BRILLIANCE SERVICEBERRY	12'	MULTI-STEM
ARC	XX	Aronia arbutifolia RED CHOKEBERRY	24"	
ASM	XX	Acer saccharinum 'Green Mountain' GREEN MOUNTAIN SUGAR MAPLE	2-1/2"	
ASM*	XX	Acer saccharinum 'Green Mountain' GREEN MOUNTAIN SUGAR MAPLE	4"	
BNH	XX	Betula nigra 'Heritage' HERITAGE RIVER BRCH	8'	MULTI-STEM
CCR	XX	Cercis canadensis REDBUD	8'	MULTI-STEM
COH	XX	Celtis occidentalis 'Prairie Pride' PRAIRIE PRIDE HACKBERRY	2-1/2"	
COH*	XX	Celtis occidentalis 'Prairie Pride' PRAIRIE PRIDE HACKBERRY	4"	
CSI	XX	Cornus sericea 'Isanti' ISANTI REDTWIG DOGWOOD	30"	
DLH	XX	Diervilla lonicera DWARF HONEYSUCKLE	18"	
EAC	XX	Euonymus alatus 'Compactum' DWARF BURNING BUSH	30"	
ECP	**XX**	**Echinacea purpurea 'Magnus' PURPLE CONEFLOWER**	1 GAL.	
ECW	**XX**	**Echinacea purpurea 'White Swan' WHITE SWAN CONEFLOWER**	1 GAL.	
FGD	XX	Fothergilla gardenii DWARF FOTHERGILLA	24"	
GKC	XX	Gymnocladus dioica KENTUCKY COFFETREE	2-1/2"	
GSM	XX	Gleditsia triacanthos 'Inermis' SHADEMASTER HONEY LOCUST	2-1/2"	
HKS	XX	Hypericum prolificum KALM ST. JOHN'S WORT	18"	
JRC	XX	juniperus virginiana EASTERN RED CEDAR	8'	UNSHEARED
OVI	XX	Ostrya virginia IRONWOOD (HOP-HORNBEAM)	2-1/2"	
PBH	XX	Picea glauca densata BLACK HILLS SPRUCE	8'	UNSHEARED
PBS	XX	Picea mariana BLACK SPRUCE	8'	UNSHEARED
PMW	XX	Potentilla fructicosa 'Mackay's White' MACKAY'S WHITE POTENTILLA	24"	
PTQ	XX	Populus tremuloides QUAKING ASPEN	8'	MULTI-STEM
PWS	XX	Picea glauca WHITE SPRUCE	8'	UNSHEARED
PWP	XX	Pinus strobus EASTERN WHITE PINE	8'	UNSHEARED
QBO	XX	Quercus macrocarpa BUR OAK	2-1/2"	
QRO	XX	Quercus rubra RED OAK	2-1/2"	
QWO	XX	Quercus alba WHITE OAK	2-1/2"	
RAG	XX	Rhus aromatica 'Gro-Low' GRO-LOW FRAGRANT SUMAC	5 GAL.	
RAR	XX	Rhododendron 'Aglo' AGLO RHODODENDRON	24"	
RFG	**XX**	**Rudbeckia fulgida 'Goldsturm' GOLDSTURM BLACK EYED SUSAN**	1 GAL.	
RPJ	XX	Rhododendron 'PJM' PJM RHODODENDRON	24"	
SHP	**XX**	**Sporobolus heterolepsis PRAIRIE DROPSEED**	1 GAL.	
SJL	XX	Spiraea japonica 'Little Princess' LITTLE PRINCESS SPIREA	24"	
SSB	**XX**	**Schizachyrium scoparium 'The Blues' THE BLUES LITTLE BLUESTEM**	1 GAL.	
TAB	XX	Tilis americana BASSWOOD	2-1/2"	
TAB*	XX	Tilis americana BASSWOOD	4"	
VFJ	XX	Viburnum x juddi FRAGRANT JUDDI VIBURNUM	30"	

NORTH

0 10 20
scale 1" = 10'

DIGGERS HOTLINE
TOLL FREE (800) 242-8511
MILWAUKEE AREA (414) 259-1181
HEARING IMPAIRED TDD (800) 542-2289
WWW.DIGGERSHOTLINE.COM

ALERT TO CONTRACTOR:

ALL WM GENERAL CONTRACTOR WORK TO BE COMPLETED (EARTHWORK, FINAL UTILITIES, AND FINAL GRADING) BY THE MILESTONE DATE IN PROJECT DOCUMENTS. IF APPLICABLE, OUTLOT AREA TO BE KEPT FREE OF JOB TRAILERS AND STORAGE AFTER THE CONTRACT MILESTONE DATE FOR THE OUTLOT. WM GENERAL CONTRACTOR TO PROVIDE CLEAR ACCESS FOR OUTLOT CONTRACTOR TO THE SPECIFIC PARCEL AT ALL TIMES AFTER MILESTONE DATE. PURCHASER OF OUTLOT TO PROVIDE PERMIT DOCUMENTS AND SWPPP REQUIRED BY STATE/LOCAL REQUIREMENTS FOR SPECIFIC OUTLOT.

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L2 - LANDSCAPE DETAILS / NOTES
WALMART STORE NO. 2936-05
MILWAUKEE, WISCONSIN
WEST SILVER SPRING DRIVE
JOB NUMBER: 08-15-10-091
FILE NAME:

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Milwaukee, Wisconsin 53225
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