

811
 Know what's below.
 Call before you dig.
 WIS. STATUTE 182.0175 (1974)
 REQUIRES MIN. OF 3 WORK DAYS
 NOTICE BEFORE YOU EXCAVATE

LEGEND

○ 1" IRON PIPE (R.P.) FOUND (UNLESS OTHERWISE NOTED)	● GUARD POST/BOLLARD
● 1-1/4" SOLID IRON ROD (S.I.R.) FOUND	⊖ ELECTRIC POWER POLE
● 3/4" x 18" SOLID IRON RE-ROD SET, WT. 1.50 LB./FT.	⊕ GUY ANCHOR
○ CP CONTROL POINT	□-E STREET LIGHT
○ SANITARY MANHOLE	⊖ POWER POLE W/TRANSFORMER
⊖ WATER VALVE	○-E UTILITY POLE W/LIGHT
⊖ FIRE HYDRANT	⊖ ELECTRIC BOX
⊖ FIRE MAIN HOOKUP	⊖ ELECTRIC TRANSFORMER
⊖ WATER CURB STOP	⊖ ELECTRIC MH OR VAULT
⊖ STORM SEWER MANHOLE	⊖ TRAFFIC SIGNAL
⊖ CIRCULAR INTAKE/PALET	⊖ TRAFFIC SIGNAL/MAST ARM
⊖ SQUARE INTAKE/PALET	⊖ TRAFFIC SIGN
⊖ H-INLET	⊖ TELEPHONE JUNCTION BOX
⊖ TELEPHONE POLE	⊖ TELEPHONE MH OR VAULT
⊖ GAS VALVE	--- 11 --- 11 STORM SEWER LINE
⊖ GAS METER	--- V --- V WATER MAIN LINE
⊖ CABLE TV MANHOLE/VAULT	--- M --- M SANITARY SEWER LINE
⊖ CABLE TV BOX	--- OH --- OH OVERHEAD UTILITY LINE
⊖ HANDICAP PARKING STALL	--- G --- G BURIED GAS LINE
⊖ DEODOROUS SHRUB	--- T --- T BURIED TELEPHONE LINE
⊖ CONFERIOUS SHRUB	--- E --- E BURIED ELECTRIC LINE
⊖ STUMP	--- CTV --- CTV BURIED CABLE TV LINE
⊖ DEODOROUS TREE (SIZE VARIES)	--- F --- F BURIED FIBER OPTIC LINE
⊖ CONFERIOUS TREE (SIZE VARIES)	

NOTES:
 THE EXISTING UTILITIES WERE LOCATED BY DIGGER'S HOTLINE. THE SURVEYOR MAKES NO GUARANTEE THAT ALL UTILITIES ARE DOCUMENTED AND ACCOUNTED FOR. THE CONTRACTOR SHALL VERIFY ALL UTILITIES PRIOR TO THE START OF CONSTRUCTION.

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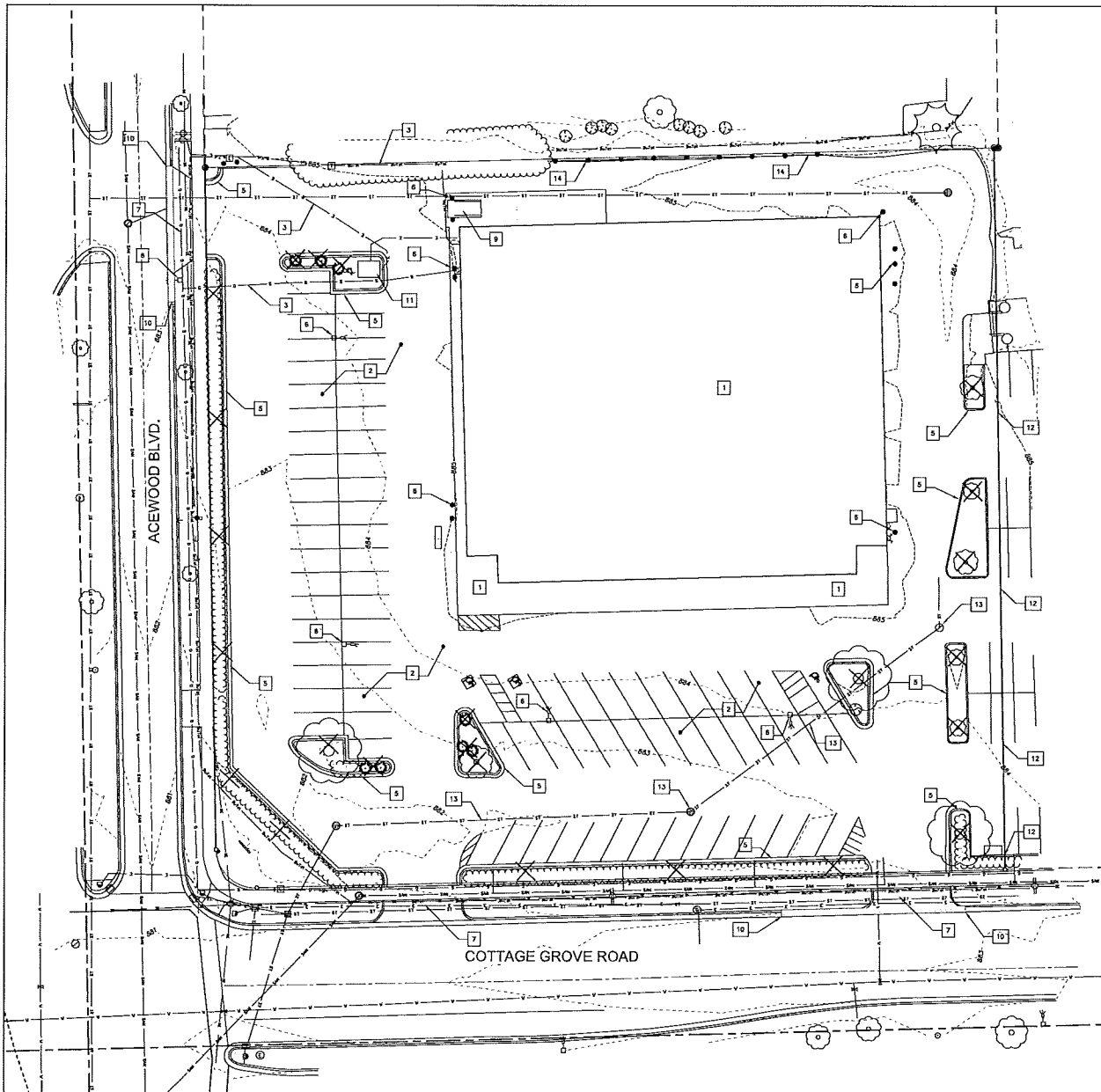
KWIK TRIP, Inc.
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 SNYDER & ASSOCIATES
 5010 VOGES ROAD
 MADISON, WISCONSIN 53718
 608-838-0444 KTS01
 www.snyder-assoc.com

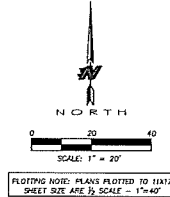
EXISTING SITE PLAN
 CONVENIENCE STORE #155
 4602 COTTAGE GROVE ROAD
 MADISON, WISCONSIN 53718

NO.	DATE	DESCRIPTION

DRAWN BY S. ANDERSON
 SCALE NOTED
 PROJ. NO. 115.0422.30
 DATE 2-3-16
 SHEET SP1.0



811
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PLAN NOTES:

- A. CONTRACTOR SHALL VERIFY ALL SITE CONDITIONS PRIOR TO COMMENCING WORK ON SITE.
- B. CONTRACTOR SHALL CALL FOR UTILITY LOCATIONS PRIOR TO COMMENCING WORK ON SITE.
- C. CONTRACTOR SHALL PROVIDE ALL NECESSARY EROSION CONTROL MEASURES PER CITY OF MADISON AND WISCONSIN SPECIFICATIONS. ALL MEASURES ARE TO BE IN PLACE PRIOR TO COMMENCING WORK ON SITE. ALL MEASURES SHALL BE MAINTAINED UNTIL SITE SOILS ARE STABILIZED. SEE EROSION CONTROL PLAN FOR MORE INFORMATION.
- D. CONTRACTOR TO OBTAIN ALL NECESSARY PERMITS FOR DEMOLITION AND CONSTRUCTION PRIOR TO COMMENCING ANY WORK ON SITE.
- E. NOT TREE SHALL BE PRUNED OR CUT WITHIN THE RIGHT OF WAY.

✕ = TREE OR VEGETATION TO BE REMOVED

DEMOLITION PLAN EXPLANATION

- 1. EXISTING BUILDING TO BE REMOVED. REMOVE STRUCTURE, FOOTINGS AND ASSOCIATED BRACES AND REINFORCEMENT. DISCONNECT EXISTING UTILITY SERVICE LINES PER CITY AND STATE SPECIFICATIONS.
- 2. EXISTING GRAVEL CONCRETE AND BITUMINOUS TO BE REMOVED.
- 3. EXISTING UTILITY SERVICE LINES TO BE REMOVED: ELECTRIC, GAS, SANITARY, WATER. STAB TO PROPERTY LINE OR MAIN SERVICE LINE AS SPECIFIED BY CITY AND UTILITY SERVICE PROVIDER.
- 5. EXISTING CURB AND GUTTER TO BE REMOVED.
- 6. EXISTING SITE AMENITIES TO BE REMOVED: BOLLARDS, LIGHTING, ETC.
- 7. EXISTING DRIVEWAY APRON TO BE REMOVED.
- 8. EXISTING LIGHT POLE IN CITY RIGHT OF WAY TO BE MOVED FOR NEW EXISTING LOCATION. COORDINATE WITH CITY ON REMOVAL AND NEW LIGHT POLE LOCATION.
- 9. EXISTING EXTERIOR DOCK LIFT TO BE REMOVED.
- 10. CURB & GUTTER SAW CUT LINE FOR INSTALLATION OF NEW DRIVEWAY.
- 11. EXISTING ELECTRICAL TRANSFORMER TO BE REMOVED.
- 12. SAWCUT ASPHALT AND CURB & GUTTER ALONG EAST PROPERTY LINE. REMOVE ALL ASPHALT OUTSIDE UP TO PROPERTY LINE.
- 13. REMOVE EXISTING STORM SEWER AND MANHOLES. SEE PROPOSED PLAN FOR THE IN POINT FOR STORM SEWER.
- 14. EXISTING GUARDRAIL TO BE REMOVED.

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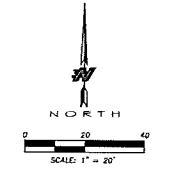
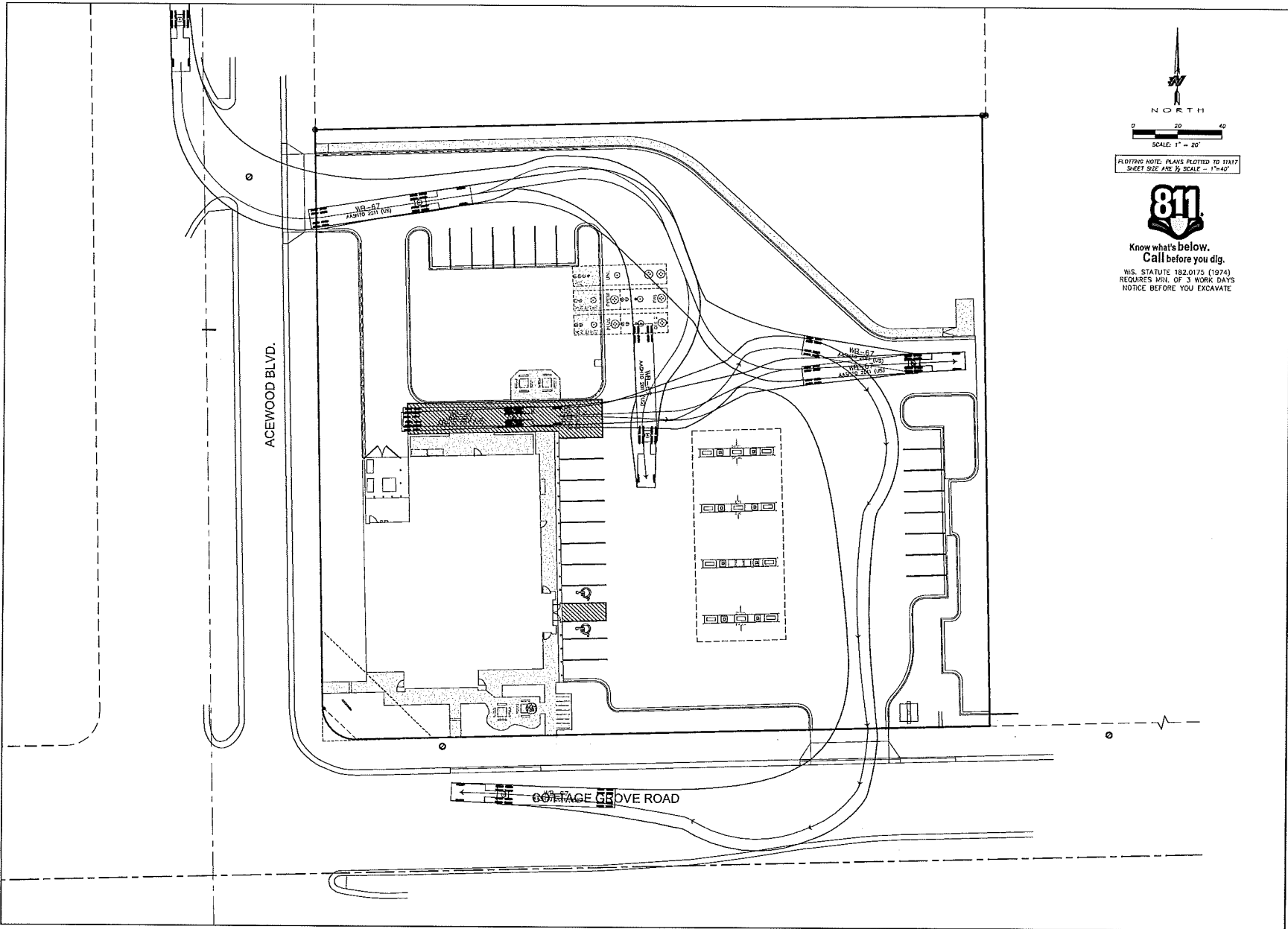
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DEMOLITION SITE PLAN	NO.	DATE	DESCRIPTION
DRAWN BY			S. ANDERSON
SCALE			NOTED
PROJ. NO.			118,0422.10
DATE			2-3-16
SHEET			SP.1.1

CONVENIENCE STORE 155
 4602 COTTAGE GROVE ROAD
 MADISON, WISCONSIN 53718



PLOTTING NOTE: PLANS PLOTTED TO 11X17 SHEET SIZE, A3E 9, SCALE - 1"=40'



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SITE PLAN - TURNING MOVEMENTS

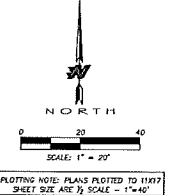
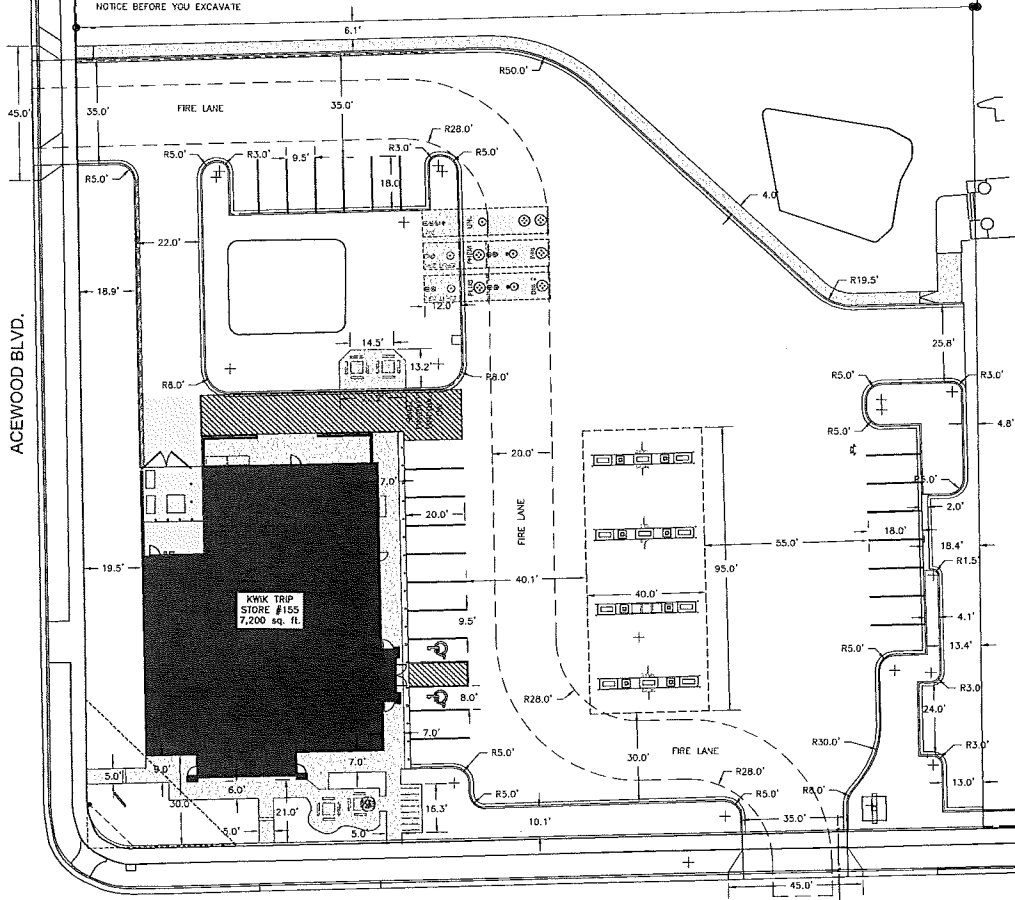
CONVENIENCE STORE 155
4602 COTTAGE GROVE ROAD
MADISON, WISCONSIN 53718

NO.	DATE	DESCRIPTION

DRAWN BY	S. ANDERSON
SCALE	NOTED
PROJ. NO.	115.0422.30
DATE	2-3-16
SHEET	SP1.2



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ZONING DISTRICT: CC-7 - COMMERCIAL CORRIDOR - TRANSITIONAL DISTRICT
TOTAL SITE AREA 82,471 SF
PRO. IMPERVIOUS: 57,203 SF (69.4%) (LOT COVERAGE)
PRO. PERVIOUS: 25,268 SF (30.6%)
PARKING REQUIREMENTS
PARKING REQUIRED 8 MIN. 15 MAX.
PARKING PROVIDED 28 STALLS
PER CODE, FOR 26-50 TOTAL PARKING STALLS
2 HANDICAP PARKING STALLS MUST BE PROVIDED
2 HANDICAP PARKING STALLS ARE SHOWN ON PLAN
BUILDING HEIGHTS
CONVENIENCE STORE 20'
CANDY 15' 6"
BUILDING SETBACKS
FRONT YARD 50% OF BUILDING FACADE WITHIN 25' OF RIGHT OF WAY
SIDE YARD 50% OF BUILDING FACADE WITHIN 20' OF RIGHT OF WAY
PARKING 0'
FUELING PUMPS 20'
PAVED AREA: 43,905 SF (53.2%)
BUILDING AREA: 7,582 SF (9.2%)
CANDY AREA: 3,600 SF (4.4%)
PROPOSED GREEN AREA: 25,268 SF
PROPOSED HARD COVER: 57,203 SF

UTILITY COMPANY INFORMATION
ELECTRICITY - ALLIANT - 608-233-2014
NATURAL GAS - WISKE - 608-252-7373
PHONE - AT&T - 608-778-9140
COMMUNICATIONS - CHARTER - 877-953-9121
SANITARY SEWER - CITY OF MADISON - 608-266-4430
WATER SERVICE - CITY OF MADISON - 608-266-4651

FIRE LANE:
ACEWOOD BLVD. WILL ACT AS THE FIRE LANE ACCESS THE WEST SIDE OF THE BUILDING.
COTTAGE GROVE ROAD WILL ACT AS THE FIRE LANE ACCESS TO THE SOUTH SIDE OF THE BUILDING.
PROPOSED DASHED FIRE LANE WILL ACCESS THE BUILDING TO THE NORTH AND EAST SIDES.
ALL INSIDE FIRE LANE RADI ARE 20', ALL OUTSIDE RADI ARE 45'.
FIRE LANE IS 20' IN WIDTH.

NOTE:
CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITIES ON AND ADJACENT TO THE SITE PRIOR TO THE START OF THE PROJECT.
RADI ARE FROM BACK OF CURB
DIMENSIONS ARE FROM FACE OF CURB

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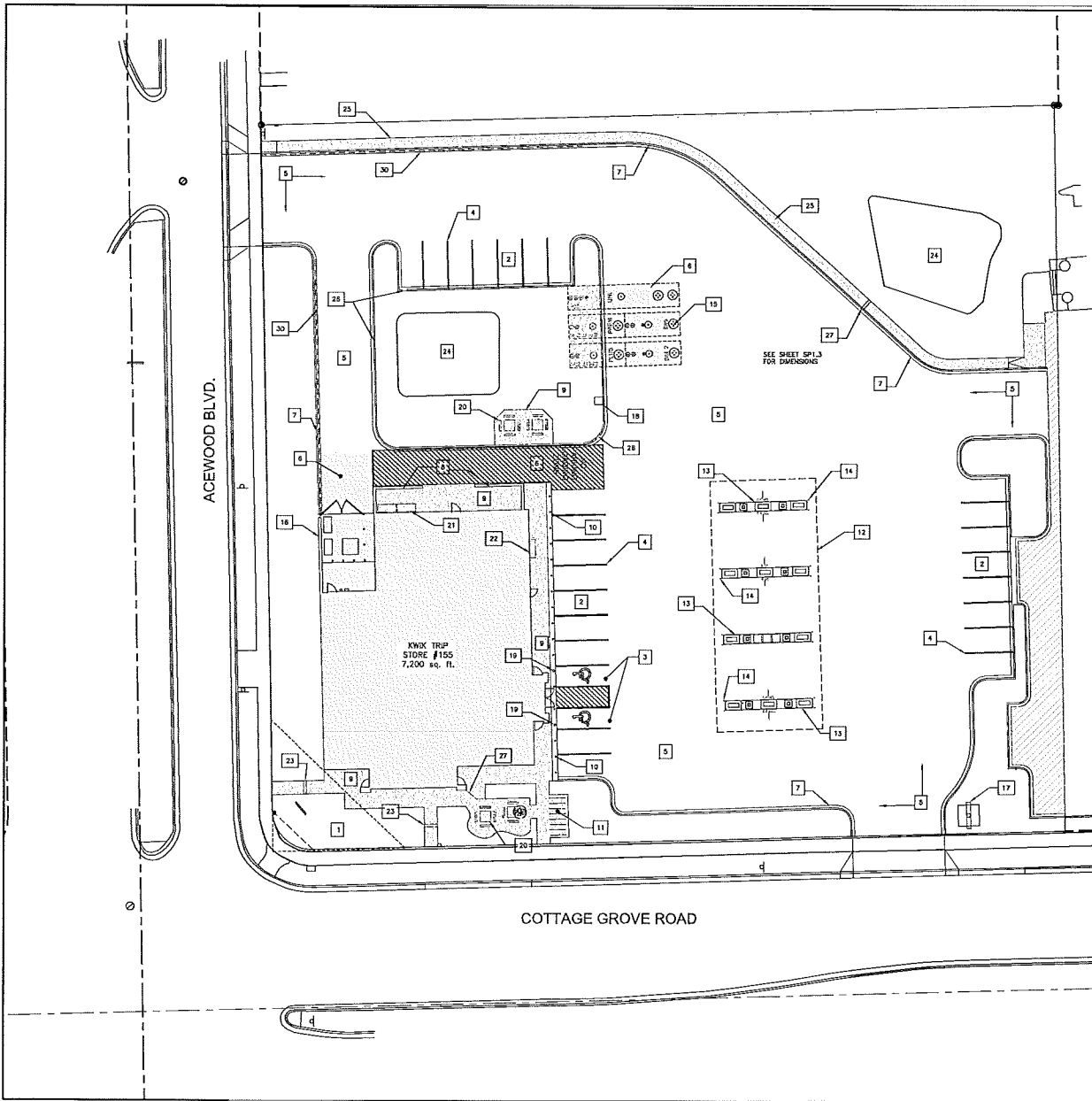


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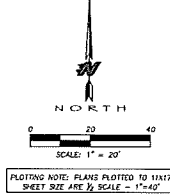
SITE PLAN - LAYOUT
CONVENIENCE STORE 155
4602 COTTAGE GROVE ROAD
MADISON, WISCONSIN 53718

NO.	DATE	DESCRIPTION

DRAWN BY S. ANDERSON
SCALE NOTED
PROJ. NO. 115,0422-30
DATE 2-3-16
SHEET SP1.3



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SITE PLAN KEYNOTES

1. LANDSCAPE AREA. SEE SHEET L1. ALL GREEN SPACE SHALL HAVE SOO APPLIED.
 2. OFF-STREET PARKING STALLS STRIPING - 4" WIDE STALL LINES, USE HIGH VISIBILITY YELLOW PAINT. SPACES PROVIDED:
(0) 9'-0" x 20'-0" GENERAL PARKING
(10) 9'-0" x 18'-0"
(2) 8'-0" x 20'-0" ACCESSIBLE PARKING WITH
(10'-0" x 20'-0" LOADING ZONE
(1) 14'-0" x 8'-0" LOADING ZONE
 3. ADA ACCESSIBLE PARKING SPACE WITH LOADING ZONE. PROVIDE APPROPRIATE STRIPING AND PAVEMENT MARKINGS.
 4. 4" WIDE, HIGH VISIBILITY, PAVEMENT STRIPING, LAINE MARKINGS AND TEXT. COLOR: YELLOW. PAINT SHALL BE SHERWIN WILLIAMS SETFAST PREVLUM ALKID ZONE MARKING PAINT.
 5. 6" DEPTH (MIN) CONCRETE SLAB-ON-GRADE WITH #3 REBAR. CONCRETE SEALER: TX-260V
 6. 8" DEPTH (MIN) CONCRETE SLAB-ON-GRADE WITH #3 REBAR. CONCRETE SEALER: TX-260V
 7. CONCRETE CURB AND GUTTER PER DETAILS.
 8. BRICK SCREENING WALLS, SEE ARCHITECTURAL PLANS FOR DETAILS.
 9. 6" INTEGRAL CONCRETE CURB/ WALK. SEE DETAILS. CONCRETE SEALER: TX-260V
 10. 30" HT., 6" DIA. CONCRETE FILLED PIPE BOLLARD SEE DETAIL 7/SPS.
 11. 7 STALL BIKE RACK WITH 5' CLEARANCE. BIKE RACKS WILL BE BORG CITY PAK SKU2438 7-BIKE FREE STANDING/TAINGE MOUNT MODEL IN COLOR RED.
 12. 40'-0" x 95'-0" DISPENSER ISLAND CANOPY. VERIFY SIZE, PLACEMENT, COLUMN AND FOOTING SIZE WITH CANOPY AND STRUCTURAL PLANS. CANOPY GRAPHICS PER OWNER.
 13. 3'-6" x 6'-0" CONCRETE ISLANDS W/ 6" EXPOSURE WITH FUEL DISPENSERS. DISPENSER PER OWNER.
 14. 36" HT BOLLARD, SEE DETAIL 8/SPS.
 15. UNDERGROUND FUEL STORAGE TANKS PER OWNER. PROVIDE PIPING AND VENTING PER OWNER'S SPECIFICATIONS.
 16. EXTERNAL TRASH ENCLOSURE TO MATCH BUILDING. SEE ARCHITECTURAL DETAILS.
 17. KWIK TRIP TRADEMARK SIGN (VERIFY LOCATION WITH SIGN PERMIT)
 18. 'FREE AIR' COMPRESSOR. PROVIDE SIGNAGE PER OWNER.
 19. HS PVC BOLLARD SLEEVE PER OWNER. VAN ACCESS SIGNAGE AT 48" HT. STALL PARKING AT 60' HT.
 20. PICNIC TABLE PER OWNER. PROVIDE 1 HC. ACCESS TABLE SPACE. PROVIDE TRASH CONTAINER PER OWNER.
 21. 36"x48" ICE OUTDOOR STORAGE (ITEMS SOLD EXCLUSIVELY IN THE STORE)
 22. 26"x84" LP OUTDOOR STORAGE (ITEMS SOLD EXCLUSIVELY IN THE STORE)
 23. TWO 12" TREAD BY 6" RISE CONCRETE STEPS IN SIDEWALK
 24. STORMWATER TREATMENT FACILITY
 25. CONCRETE SIDEWALK 4" WIDE
 26. 24" WIDE FLUME CURB CUT
 27. 12" WIDE FLUME CURB CUT, SEE DETAIL 5/MSPA
 28. 6" HIGH WRAP AROUND STEP
 29. 24" WIDE COLOANED CONCRETE CURB HEAD
 30. REJECT CURB & GUTTER
- *NO OUTDOOR DISPLAY ITEMS ON SITE

SITE PLAN AREAS

- 6" CONCRETE = 39,444 SQ. FT.
- 6" CONCRETE SIDEWALK = 3,045 SQ. FT.
- 8" CONCRETE = 3,302 SQ. FT.
- ASPHALT AREA = 1,900 SQ. FT.
- BORSTENTON AREA = 2,784 SQ. FT.
- SOO AREA = 18,944 SQ. FT.
- LANDSCAPE AREA = 3,940 SQ. FT.

NOTE: AREAS ARE FOR WITHIN PROPERTY LINES ONLY. NO RIGHT OF WAY IMPROVEMENTS ARE PART OF THE CALCULATED AREAS. LANDSCAPE AREA INCLUDES ALL MULCH AREAS AND RINGS AROUND TREES.



STORES



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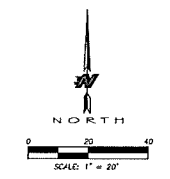
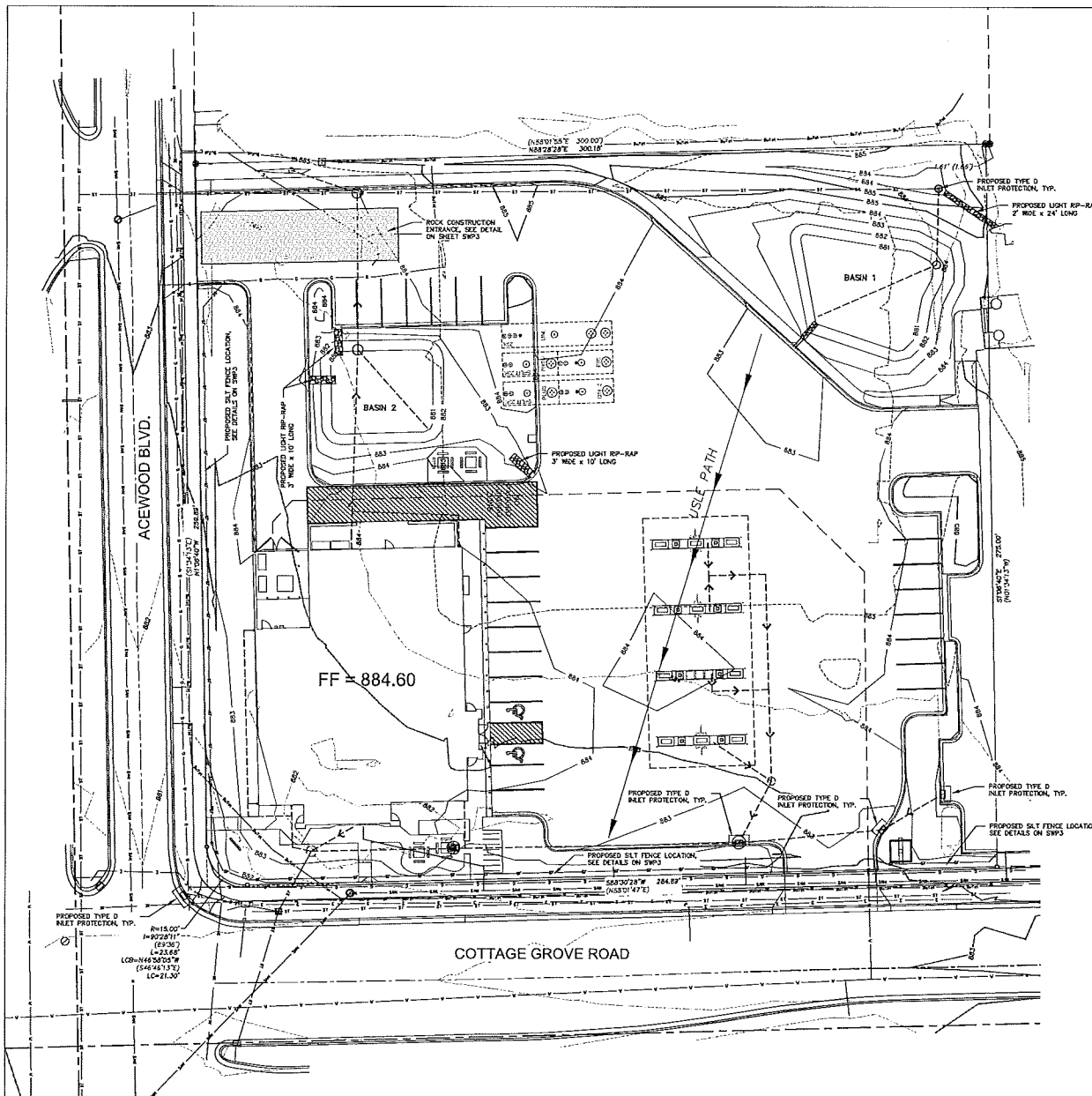
SITE PLAN - KEYNOTE

CONVENIENCE STORE 155

4602 COTTAGE GROVE ROAD
MADISON, WISCONSIN 53718

NO.	DATE	DESCRIPTION

DRAWN BY: S. ANDERSON
SCALE: NOTED
PROJ. NO.: 115.0422.50
DATE: 2-3-16
SHEET: SP1.4



FLOATING NOTE: PLANS PLOTTED TO 11x17
SHEET SIZE ARE 1/2 SCALE - 1"=40'



**Know what's below.
Call before you dig.**
WIS. STATUTE 182.0175 (1974)
REQUIRES MIN. OF 3 WORK DAYS
NOTICE BEFORE YOU EXCAVATE

- ALL SILT FENCE MUST BE INSTALLED BY THE CONTRACTOR AND INSPECTED BY THE CITY PRIOR TO ANY SITE WORK.
 - SITE EROSION CONTROL MEASURES MUST BE IN PLACE AT ALL TIMES. CHECKED DEVICES BE REMOVED FOR WORK ACCESS. THEY SHALL BE REINSTALLED AT THE END OF EACH WORK DAY. SILT FAYMENTS HAVE BEEN INDICATED AND ALL LANDSCAPE AFRAS HAVE BEEN MAJDED AND SODDED. SEEDED AREAS MUST EXHIBIT MINIMUM OF 70% SOIL COVERAGE.
 - REFER TO THE EROSION CONTROL PLAN NOTES AND DETAIL SHEETS FOR MORE INFORMATION.
 - RETENTION BASINS SHALL BE OVER EXCAVATED AND USED FOR SEEDMENTATION BACKDUP EXPIRE CONSTRUCTION. ALL SEDIMENT AND DEBRIS SHALL BE REMOVED PRIOR TO SAND, ROCK, AND ENGINEERED SOIL INSTALLATION. THE CONTRIBUTING WATERSHED TO THE RETENTION BASIN SHALL BE STABILIZED PRIOR TO EXCAVATING THE BASIN DRAIN.
- CONTACT Jeff Goswami
JEFF TOP, INC.
PO BOX 2107
LACROSSE, WI 54602
608-783-8020

CONSTRUCTION SEQUENCE

- *INSTALL EROSION/SEDIMENT CONTROL MEASURES
- *INSTALL STORMWATER MANAGEMENT SEDIMENT BASINS
- *INSTALL STORM SEWER
- *INSTALL STRUCTURES
- *INSTALL PAVEMENTS
- *INSTALL LANDSCAPE
- *INSTALL STORM SEWER
- *REMOVE EROSION CONTROL MEASURES ONLY AFTER ALL PAVEMENTS HAVE BEEN INSTALLED AND ALL SOILS HAVE BEEN STABILIZED

PROJECT DATA

SITE AREA DATA	82,471 SQ.FT.
CONCRETE AREA	82,471 SQ.FT.
PRE-CONSTRUCTION IMPERVIOUS AREA	77,215
POST-CONSTRUCTION IMPERVIOUS AREA	57,293 SQ.FT.

SOIL DATA
SURFACE SOIL CONCRETE W/ GRAVEL BASE OVER FILL

ESTIMATED PRELIMINARY EROSION CONTROL QUANTITIES (ACTUAL QUANTITIES SUBJECT TO CHANGE)	
ITEM	QUANTITY
ROCK CONSTRUCTION ENTRANCE	1
EROSION MAT	AS NEEDED
SILT FENCE	500 L.F.
INLET PROTECTION, TYPE D	4

NOTE: FOR MAINTENANCE PURPOSES CONTRACTOR SHALL ALL SUFFICIENT QUANTITIES FOR REPAIR AND REPLACEMENT OF EROSION CONTROL DEVICES THROUGHOUT ALL PHASES OF THE PROJECTS CONSTRUCTION.

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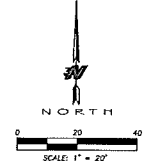
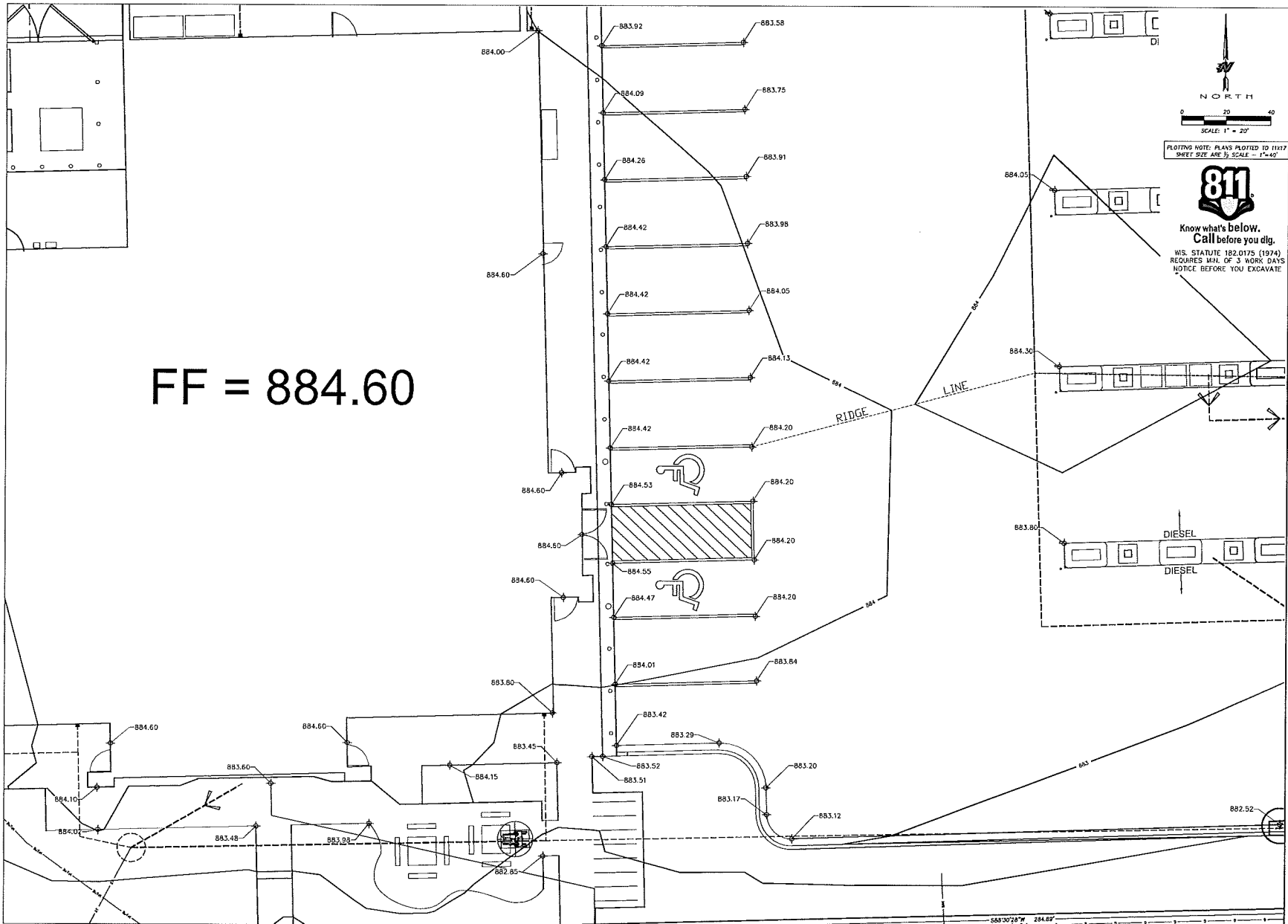
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GRADING & EROSION CONTROL PLAN

CONVENIENCE STORE 155
COTTAGE GROVE ROAD AND ACEWOOD BLD.
MADISON, WISCONSIN 53718

NO.	DATE	DESCRIPTION

DRAWN BY S. ANDERSON
SCALE NOTED
PROJ. NO. 115.0422.30
DATE 2-3-18
SHEET SP2.0



PLOTTING NOTE: PLANS PLOTTED TO 11137
SHEET SIZE ARE 1/2 SCALE - 1"=40'

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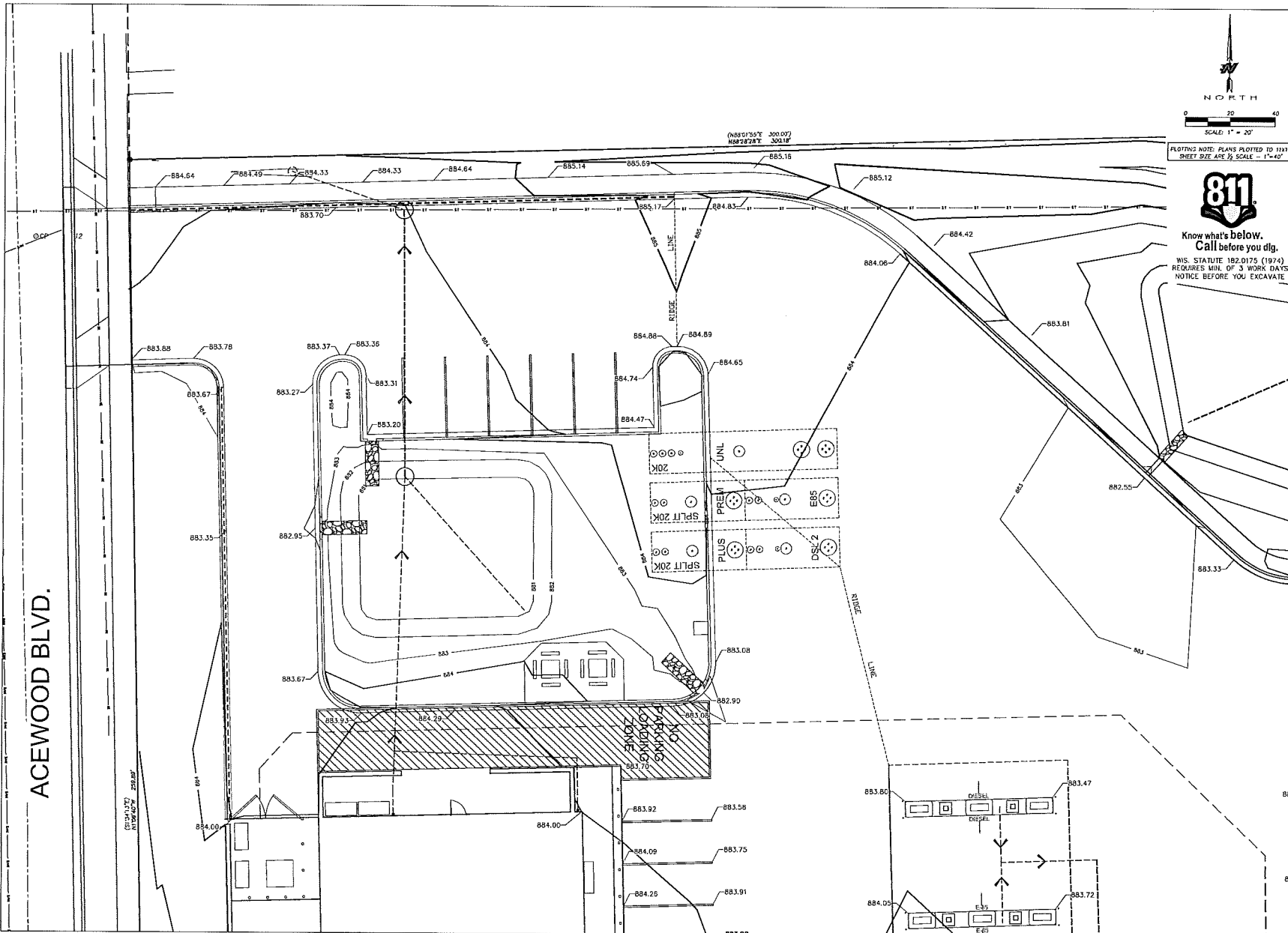
GRADING PLAN - SPOT DETAIL

CONVENIENCE STORE 155

COTTAGE GROVE ROAD AND ACEWOOD BLD.
MADISON, WISCONSIN 53718

NO.	DATE	DESCRIPTION

DRAWN BY S. ANDERSON
SCALE NOTED
PROJ. NO. 115.0422.30
DATE 2-3-16
SHEET SP2.1



PLOTTING NOTE: PLANS PLOTTED TO 11/27/87
SHEET SIZE AND SCALE - 11x47



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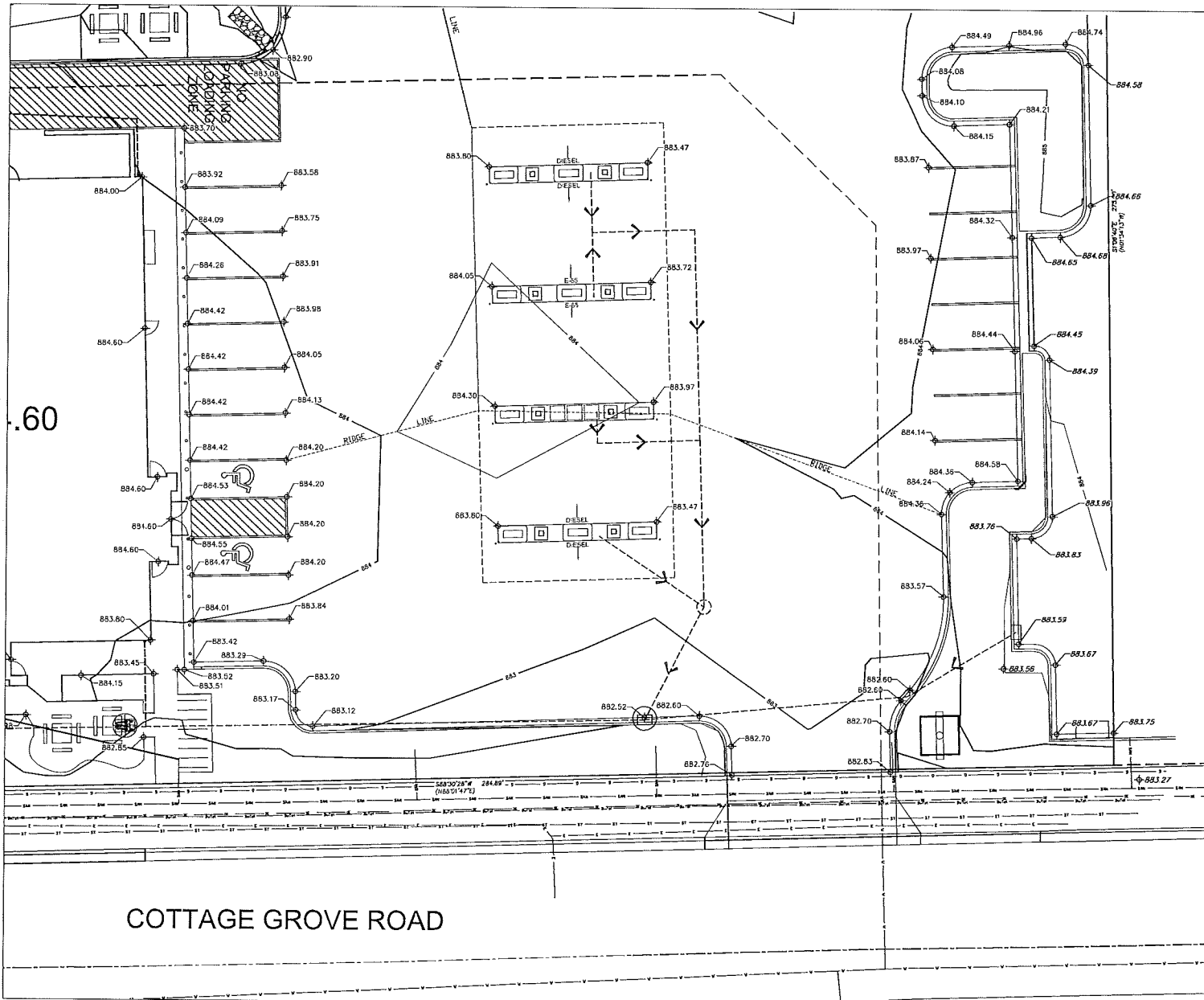
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www.snyder-assocsales.com

GRADING PLAN - SPOT DETAIL

CONVENIENCE STORE 155
COTTAGE GROVE ROAD AND ACEWOOD BLD.
MADISON, WISCONSIN 53718

NO.	DATE	DESCRIPTION

DRAWN BY: S. ANDERSON
SCALE: AS SHOWN
PROJ. NO. 115-0422-30
DATE: 2-3-16
SHEET SP2.2



NORTH

SCALE: 1" = 20'

FLOATING NOTE: PLANS PLOTTED TO 11x17 SHEET SIZE ARE 1/2" SCALE - 1"=40'

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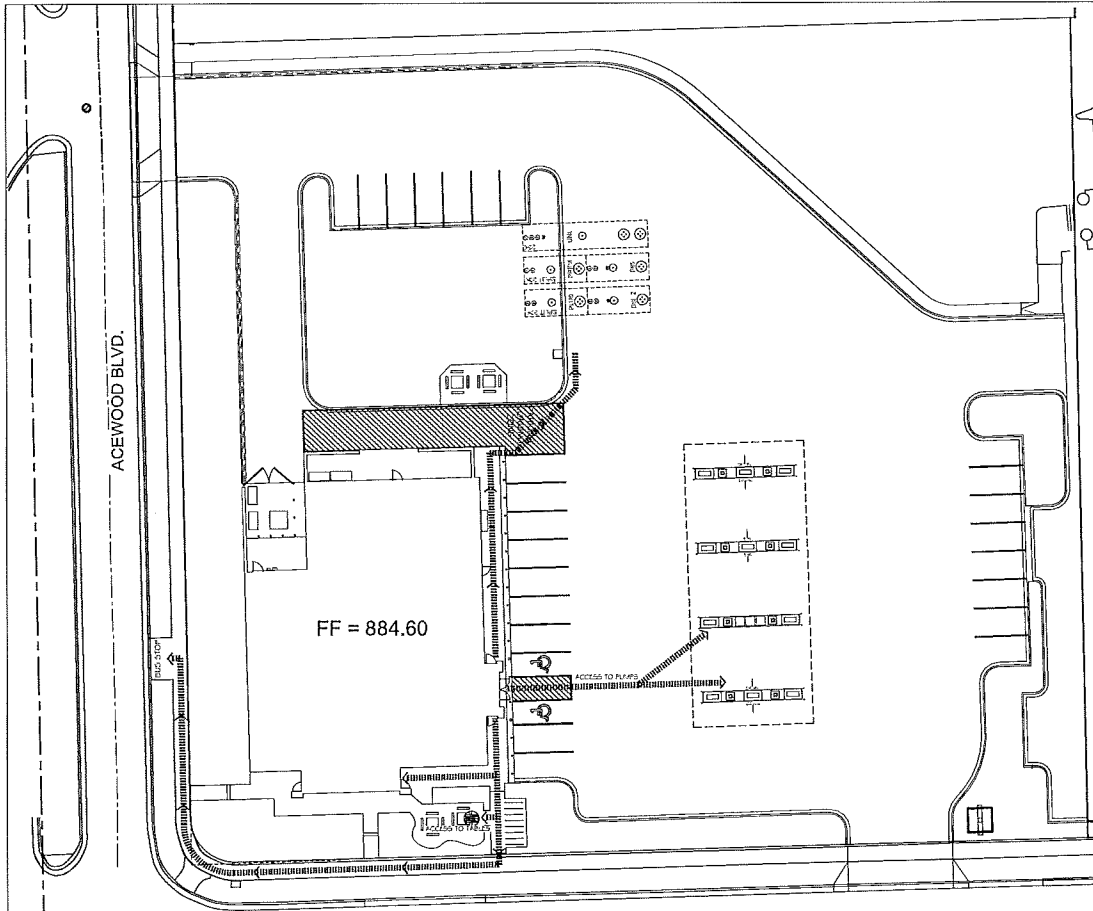
GRADING PLAN - SPOT DETAIL

CONVENIENCE STORE 155

COTTAGE GROVE ROAD AND ACEWOOD BLD.
MADISON, WISCONSIN 53718

NO.	DATE	DESCRIPTION

DRAWN BY: S. ANDERSON
SCALE: 1"=20'
PROJ. NO.: 115-0432-18
DATE: 2-3-16
SHEET: SP2.3



COTTAGE GROVE ROAD

NOTES:

- REFER TO THE DOCUMENT FROM THE DEPARTMENT OF JUSTICE ON "2010 ADA STANDARDS FOR ACCESSIBLE DESIGN". CONTRACTOR SHALL REFERENCE CURRENT A.D.A. GUIDELINES AND LOCAL REGULATIONS FOR SITE ACCESSIBILITY. IN ALL CASES THE MAXIMUM REQUIREMENTS SHALL BE PROVIDED ON SITE TO ENSURE COMPLIANCE TO ALL REGULATIONS.
- KWIK TRIP STANDARD ENTRANCE DOOR IS AUTOMATIC SLIDING DOOR SYSTEM DESIGNED TO COMPLY WITH ALL ACCESS CODES AND LAWS. ENTRANCE DOORS FOR ACCESSIBLE ROUTES WILL HAVE A MINIMUM CLEAR OPENING OF 32"
- STORE FRONTS WILL PROVIDE FLUSH PAVEMENTS ALONG ACCESSIBLE ROUTES WITH PROTECTIVE SECURITY BOLLARDS INDICATED AND SPACED BETWEEN PARKING SURFACES AND BUILDING WALK PER PLAN.
- NO OBJECTS OR DISPLAYS SHOULD PROTRUDE INTO THE MINIMUM CLEAR SPACE OF THE ACCESSIBLE ROUTES TO THE STORE ENTRANCE. THIS WILL INCLUDE SEASONAL DISPLAY VENDING AREAS AS WELL AS OTHER OUTDOOR STORAGE UNITS FOR PROPANE AND ICE, ETC.
- PER A.D.A. GUIDELINES- CLEAR WIDTH OF ACCESSIBLE ROUTES SHALL BE 36" AND PERMITTED TO BE REDUCED TO 32" FOR A LENGTH OF 24".
- ACCESS ISLES SERVING WHEEL CHAIR LIFTS OR CHAIR ACCESS FROM VEHICLES ARE REQUIRED TO BE HEAVY LEVEL IN ALL DIRECTIONS TO PROVIDE SAFE TRANSFER OF WHEELCHAIRS TO AND FROM VEHICLES. THE EXCEPTION WOULD BE FOR DRIVEWAYS- MAXIMUM SLOPE FOR THE ACCESS ISLE IS 1:48. NO CURB RAMPS SHALL BE A PART OF THE ACCESS ISLE.
- IDENTIFICATION SIGNS SHALL INCLUDE THE INTERNATIONAL SYMBOL OF ACCESSIBILITY WITH THE DESIGNATION OF 1 "VAN ACCESSIBLE" IN EVERY 8 ACCESSIBLE SPACES ON SITE.

PLAN KEYNOTES

1. ACCESSIBLE STALLS
 - A. STRIPINGS - 4" WIDE STALL LINES, USE HIGH VISIBILITY BLUE PAINT. SPACES PROVIDED:
 - (2) 9'-0" x 20'-0" ACCESSIBLE PARKING WITH (1) 8'-0" x 20'-0" LOADING ZONE (ML)
 - B. ACCESSIBLE FUELING POINT AND DISPENSER AND VALET. VALET AND KEY PAD ON PUMP SHALL CONFORM TO ADA REACH DIMENSIONS AS SHOWN IN DETAIL.
2. PAVEMENTS FLUSH FOR ACCESSIBILITY INTO BUILDING.
3. PING TABLE W/ ACCESSIBLE PLACEMENT
4. ACCESSIBLE ROUTE TO STORE
5. ACCESSIBLE ROUTE TO VACUUM AND AIR.

NOTES FOR CONVENIENCE STORE ACCESSIBILITY

AT LEAST 1 WPS (MULTI PRODUCT DISPENSER) COVERING ALL GRADES OF FUEL MUST BE ACCESSIBLE IN A 30'x48' CLEAR LEVEL FLOOR AREA (CLF).

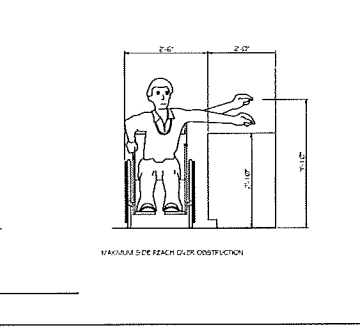
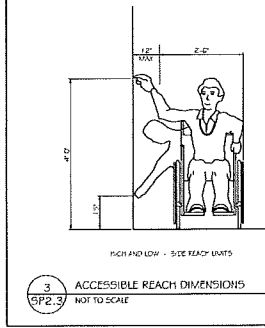
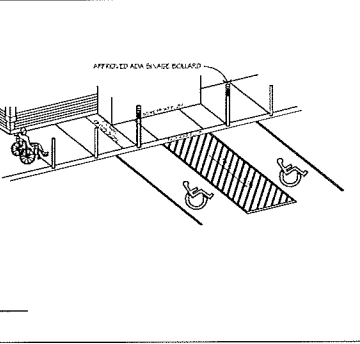
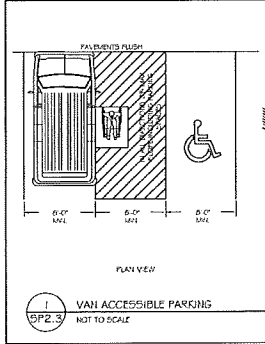
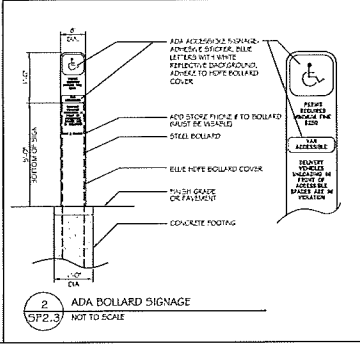
ALL PUMP CONTROLS SHALL BE < 48" (2010 STANDARD), WINDOW WASHER, PAPER TOWEL DISPENSER, UTILITY, FIRE EXTINGUISHER, EMERGENCY FUEL SIGNS, ETC. BE ACCESSIBLE 30'x48" CLF SPACE AND WITHIN A FORWARD OR SIDE APPROACH REACH RANGE.

PROVIDE 60" (INDUSTRY STANDARD ARCHITECTURE) AT EACH ACCESSIBLE FUEL POSITION ON FACE OF PUMP.

PROVIDE ISA AT EACH ACCESSIBLE FUELING POSITION VISIBLE TO APPROACHING VEHICLES.

PROVIDE A SIGN AT EACH ACCESSIBLE FUELING POSITION WITH STORE TELEPHONE NUMBER, ADVISING AVAILABLE FUELING ASSISTANCE.

ANY PAY FUNCTION- I.e. AIR/VACUUM etc. ARE REQUIRED TO HAVE AN ACCESSIBLE ROUTE TO STORE ENTRANCE. CONTROLS SHALL BE ACCESSIBLE 30'x48" CLF SPACE AND WITHIN A FORWARD OR SIDE APPROACH REACH RANGE.



STORES

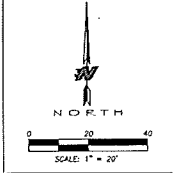


STORES

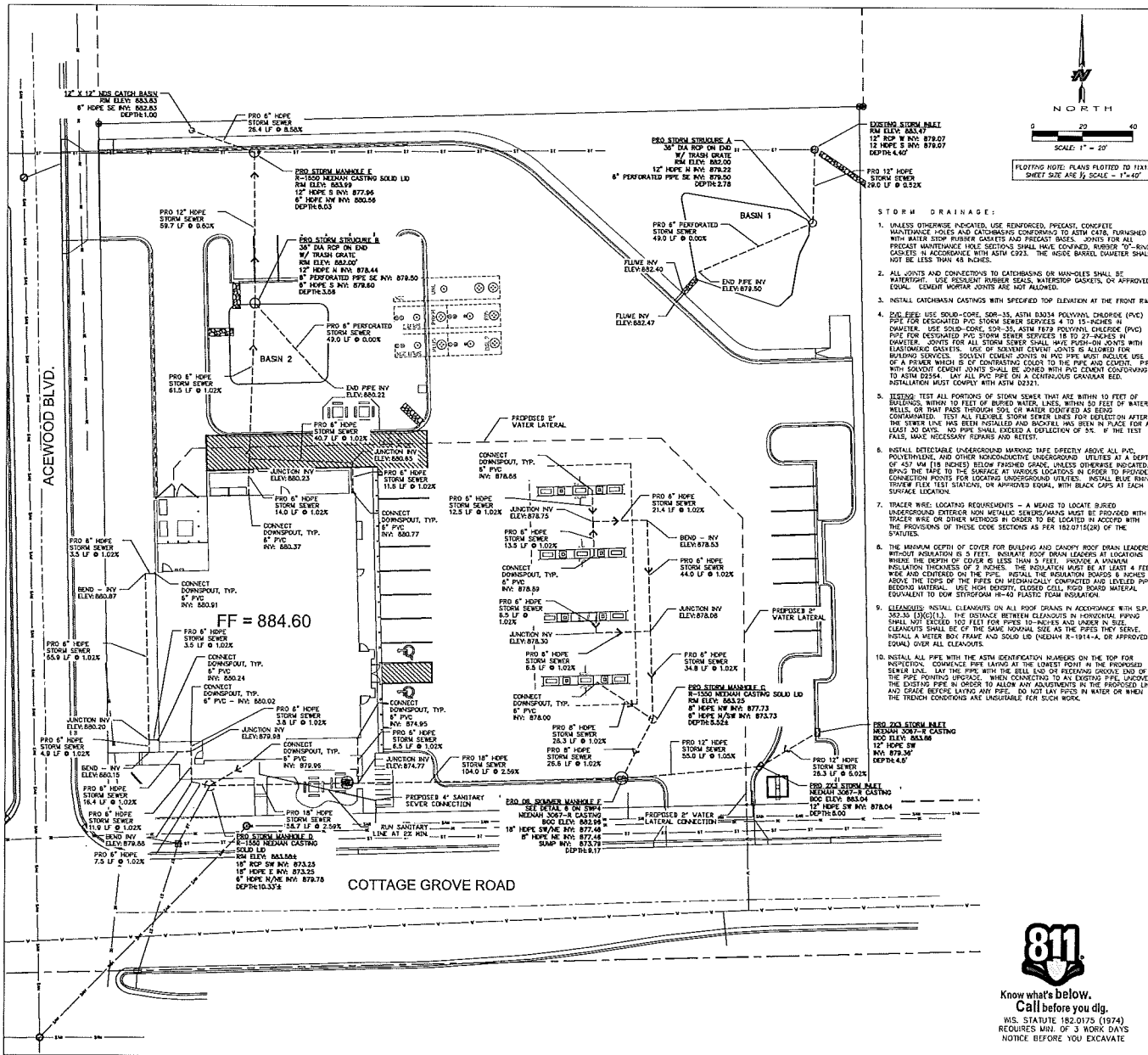
KWIK TRIP, Inc.
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1628 OAK STREET
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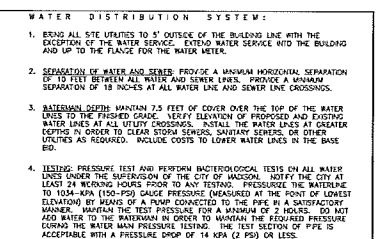
ACCESSIBLE PLAN	
CONVENIENCE STORE 155 COTTAGE GROVE ROAD AND ACEWOOD BLD. MADISON, WISCONSIN 53718	
NO.	DATE DESCRIPTION
DRAWN BY	S. ANDERSON
SCALE	NOTED
PROJ. NO.	115,0422-30
DATE	2-3-16
SHEET	SP2.5



**Know what's Below.
Call before you dig.**
WIS. STATUTE 182.0175 (1974)
REQUIRES MIN. OF 3 WORK DAYS
NOTICE BEFORE YOU EXCAVATE



- WATER DISTRIBUTION SYSTEM:**
- BRING ALL SITE UTILITIES TO 5' OUTSIDE OF THE BUILDING LINE WITH THE EXCEPTION OF THE WATER SERVICE. EXTEND WATER SERVICE WITH THE BUILDING AND UP TO THE FLANGE OF THE WATER METER.
 - SEPARATION OF WATER AND SEWER PROVIDE A MAXIMUM VERTICAL SEPARATION OF 12 FEET BETWEEN ALL WATER AND SEWER LINES. PROVIDE A MINIMUM SEPARATION OF 18 INCHES AT ALL WATER LINE AND SEWER LINE CROSSINGS.
 - MINIMUM COVER MAINTAIN 7.5 FEET OF COVER OVER THE TOP OF THE WATER LINES TO THE FENCED OR PROPOSED AND EXISTING WATER LINES AT ALL UTILITY CROSSINGS. INSTALL THE WATER LINES AT GREATER DEPTHS IN ORDER TO CLEAR STORM SERVICES, SANITARY SERVICES OR OTHER UTILITIES AS REQUIRED. INCLUDE COVERS TO LOWER WATER LINES IN THE BASE BID.
 - TESTING: PRESURE TEST AND PERFORM MICROTOPOGRAPHICAL TESTS ON ALL WATER LINES UNDER THE SUPERVISION OF THE CITY OF MADISON. NOTIFY CITY AT LEAST 24 WORKING HOURS PRIOR TO ANY TESTING. PRESSURE TEST THE WATERLINE TO 100-PSI (150-PSI GAUGE PRESSURE) (MAINTAINED AT THE POINT OF LOWEST ELEVATION) BY MEANS OF A PUMP CONNECTED TO THE PIPE IN A SATISFACTORY MANNER. MAINTAIN THE TEST PRESSURE FOR A MINIMUM OF 2 HOURS. DO NOT ADD WATER TO THE WATERMAIN IN ORDER TO MAINTAIN THE REQUIRED PRESSURE DURING THE WATER MAIN PRESSURE TESTING. THE TEST SECTION OF PIPE IS ACCEPTABLE WITH A PRESSURE DROP OF 14 KPA (2 PSF) OR LESS.
 - USE MECHANICAL JOINT RESTRAINT DEVICES FOR JOINT RESTRAINT ON ALL WATER MAINS HAVING A VERTICAL OR HORIZONTAL DEFLECTION OF 22-1/2 DEGREES OR GREATER. ALL VALVES, STEERS, EXTENSIONS, TEES, CROSSES, FLANGES, ALL IRON VALVES, AND ALL IRONWORK IN ACCORDANCE WITH CITY REQUIREMENTS. USE 3000 PSI MEDIUM MANUFACTURED BY DPA FROM INC., EASTLAND, TEXAS, OR APPROVED EQUAL, INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS FOR RESTRAINT ON DUCTILE IRON PIPE.
 - AT ALL VALVE LOCATIONS WHICH REQUIRE A 12" OR SMALLER VALVE, INSTALL GATE VALVES WHICH ARE OF THE COMPRESSION RESIDENT SEATED (CRS) TYPE. USE AMERICAN FLOW CONTROLS' SEIKER 2500 BUREAU HIGH RESILIENT GATE VALVE, OR APPROVED EQUAL. GATE VALVES SHALL CONFORM TO ANSI Z59.1. INSTALL CAST IRON VALVE BODIES CONFORMING TO ASTM A88 AT EACH VALVE LOCATION. VALVE BOXES SHALL BE THE THREE-PIECE TYPE WITH 2-1/4" SPACERS. USE TYLER B800-G WITH NO. 8 BASE OR EQUIVALENT. VALVE BODIES SHALL HAVE AT LEAST 6" OF ADJUSTMENT ABOVE AND BELOW FINISHED GROUND COVERS ON VALVE BOXES SHALL BE ROUGH AND COVER THE WORD "WATER" CAST ON THE TOP. USE TYLER B850-G "DIPNUT" COVERS WITH EXTENDED SLOTT, OR EQUIVALENT.
 - USE MULLER H 10300 OR FORD EM 7 2057, OR APPROVED EQUAL, AT ALL CURB STOP LOCATIONS. STATIONARY RIG IS REQUIRED ON ALL CURB STOPS.
 - WATERMAIN AND LATERALS 4" OR LARGER FOR THE SITE SHALL BE CLASS 52 CASTLES FROM THAT CONFORM TO THE REQUIREMENTS OF AMERICAN NATIONAL STANDARD FOR DUCTILE IRON PIPE, CENTRIFUGALLY CAST, FOR WATER (ANSI/AWWA C151/AWSA C151) 15-CLASS PRESSURE PIPE SHALL BE MANUFACTURED BY DPA FROM JOINT AND BONDING STRIPS TO PROVIDE ELECTRICAL CONTACTIVITY WITHOUT FIELD WELDING. ALL CONNECTIONS SHALL CONFORM TO CITY OF MADISON STANDARD SPECIFICATIONS UNDER ARTICLE 702, PART V - WATER MAINS AND SERVICE LATERALS.
 - TRACER WIRE LOCATING REQUIREMENTS - A MEANS TO LOCATE BURIED UNDERGROUND EXTERIOR NON-METALLIC SEWER/MAINS MUST BE PROVIDED WITH TRACER WIRE OR OTHER METHODS IN ORDER TO BE LOCATED IN ACCORD WITH THE PROVISIONS OF THE WISCONSIN STATUTES 182.017(2)(a) AND THE WISCONSIN DEPARTMENT OF COMMERCE CODEM 82.35(1)(14).
 - WHERE EXISTING GAS, ELECTRIC, CABLE, OR TELEPHONE UTILITIES CONFLICT WITH THE WORK, COORDINATE THE ABANDONMENT, RELOCATION, OFFSET, OR SUPPORT OF THE EXISTING UTILITIES WITH THE APPROPRIATE LOCAL, STATE, FEDERAL, COOPERATIVE NEW GAS METER AND GAS LINE INSTALLATION, ELECTRIC METER AND ELECTRIC SERVICE INSTALLATION, CABLE SERVICE INSTALLATION, TELEPHONE SERVICE INSTALLATION WITH THE LOCAL UTILITY COMPANIES.
 - COORDINATE BUILDING UTILITY CONNECTION LOCATIONS AT 5 FT. OUT FROM THE SHORTEST BUILDING WITH THE INTERIOR FINISHES CONTRACTOR PRIOR TO CONSTRUCTION. VERIFY WATER AND SEWER SERVICE CONNECTION ELEVATIONS WITH THE MECHANICAL ENGINEER PRIOR TO CONSTRUCTION.
 - THE LOCATIONS OF EXISTING UTILITIES SHOWN ON THIS PLAN ARE FROM RECORD INFORMATION. THE DESIGNER DOES NOT GUARANTEE ALL ARE FROM RECORD AND ARE SHOWN ON THE PLAN EXIST IN THE LOCATIONS INDICATED ON THE PLAN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE THE FINAL VERIFIED HORIZONTAL LOCATION OF ALL EXISTING UTILITIES (INCLUDING WATER AND SEWER LINES AND APPOINTMENTS). NOTIFY THE DESIGNER OF ANY DISCREPANCIES.
- SANITARY SEWER:**
- PIPE: USE SOLID-CORE, 500-35, ASTM D2034 (OR APPROVED EQUAL) POLYVINYL CHLORIDE (PVC) PLASTIC PIPE FOR ALL DESIGNED PVC SANITARY SEWER SERVICES. JOINTS FOR ALL SANITARY SEWER SHALL HAVE FISH-TAIL JOINTS WITH ELASTOMERIC GASKETS. USE OF SOLVENT CEMENT JOINTS IS ALLOWED FOR BUILDING SERVICES. SOLVENT CEMENT JOINTS IN PVC PIPE MUST INCLUDE USE OF A PRIMER WHICH IS OF CONTRASTING COLOR TO THE PIPE AND CEMENT. PIPE WITH SOLVENT CEMENT JOINTS SHALL BE JOINED WITH PVC CEMENT CONFORMING TO ASTM D2554. LAY ALL PVC PIPE ON A CONTINUOUS GRANULAR BED. INSTALLATION MUST COMPLY WITH ASTM D2235.
 - CLEANOUTS: INSTALL CLEANOUTS ON ALL SANITARY SEWER SERVICES. THE DISTANCE BETWEEN CLEANOUTS IN HORIZONTAL SPANS NOT EXCEED 100 FEET FOR PIPES 4-INCH AND OVER IN SIZE. CLEANOUTS SHALL BE OF THE SAME NOMINAL SIZE AS THE PIPES THEY SERVE. INCLUDE FROST SHIELDS AND CONCRETE FRAME AND PIPE SUPPORT. INSTALL A WATER BOX FRAME AND SOLO LD (NEEDHAM R-1914-A, OR APPROVED EQUAL) OVER ALL CLEANOUTS.
 - TESTING: PRESURE TEST ALL SANITARY SEWER LINES. TEST ALL FLEXIBLE SANITARY SEWER LINES FOR DEFLECTIONS WHICH HAVE BEEN INSTALLED AND INCREASE HAS BEEN IN PLACE FOR AT LEAST 30 DAYS. 100 PSI SHALL BE EXERTED FOR 5% OF THE TEST FRAIS, MAKE NECESSARY REPAIRS AND RETEST.
 - UNLESS OTHERWISE INDICATED, USE RENFORCED, PRECAST, CONCRETE MAINTENANCE HOLES CONFORMING TO ASTM C936. PRECAST, CONCRETE MAINTENANCE HOLES SHALL BE SUPPLIED WITH PRE-FORMED RISERS AND FLEXIBLE REINFORCING SLEEVES CONFORMING TO ASTM A1518. MAINTENANCE HOLES 36" DIA (10 INCHES) IN DIAMETER OR LESS, UNLESS OTHERWISE INDICATED, JOINTS FOR ALL PRECAST MAINTENANCE HOLES SHALL HAVE COUPLED, RUBBER 70"-RINGS GASKETS IN ACCORDANCE WITH ASTM C936. THE RINGS BARREL DIAMETER SHALL NOT BE LESS THAN 48 INCHES.
 - INSTALL FLEXIBLE WATER-TIGHT FRAME/CHANNEL SEALS ON ALL SANITARY SEWER MAINTENANCE HOLES. USE OTHER MANUFACTURED MAINTENANCE HOLES FRAME/CHANNEL SEALS OR ELASTOMERIC WATERPROOFING FRAME/CHANNEL SEALS.
 - USE NEEDHAM FOUNDRY CO. R-1642 CASTING WITH SELF-SEALING, SOLO, TYPE B LD, OR APPROVED EQUAL, ON ALL SANITARY SEWER MAINTENANCE HOLES. COVERS SHALL BEAT THE "SANITARY SEWER" LABEL.
 - THE MINIMUM DEPTH OF COVER FOR SANITARY SEWER WITHOUT INSULATION IS 5 FEET. INSULATE SANITARY SEWER SERVICES AT LOCATIONS WHERE THE DEPTH OF COVER IS LESS THAN 5 FEET. PROVIDE A MINIMUM INSULATION THICKNESS OF 2 INCHES. THE INSULATION MUST BE AT LEAST A FEET HIGH AND EXTENDED ON THE PIPE. INSTALL THE INSULATION BORDERS 6 INCHES ABOVE THE TOPS OF THE PIPES ON MECHANICALLY COMPACTED AND LEVELED PIPE BEDDING MATERIAL. USE HIGH DENSITY, CLOSED CELL, FOAM STYROFOAM H-40 PLASTIC FOAM INSULATION.
 - TRACER WIRE LOCATING REQUIREMENTS - A MEANS TO LOCATE BURIED UNDERGROUND EXTERIOR NON-METALLIC SEWER/MAINS MUST BE PROVIDED WITH TRACER WIRE OR OTHER METHODS IN ORDER TO BE LOCATED IN ACCORD WITH THE PROVISIONS OF THE WISCONSIN STATUTES 182.017(2)(a) AND THE WISCONSIN DEPARTMENT OF COMMERCE CODEM 82.35(1)(14).



- STORM DRAINAGE:**
- UNLESS OTHERWISE INDICATED, USE RENFORCED, PRECAST, CONCRETE MAINTENANCE HOLES AND CATCHBASINS CONFORMING TO ASTM C936, FURNISHED WITH WATER STOP RUBBER GASKETS AND PRECAST BASES. JOINTS FOR ALL PRECAST MAINTENANCE HOLES SHALL HAVE COUPLED, RUBBER 70"-RINGS GASKETS IN ACCORDANCE WITH ASTM C936. THE RINGS BARREL DIAMETER SHALL NOT BE LESS THAN 48 INCHES.
 - ALL JOINTS AND CONNECTIONS TO CATCHBASINS OR MANHOLES SHALL BE WATER-TIGHT. USE RESILIENT RUBBER SEALS, WATERSTOP GASKETS, OR APPROVED EQUAL. GROUT MORTAR JOINTS ARE NOT ALLOWED.
 - INSTALL CATCHBASIN CASTINGS WITH SPECIFIED TOP ELEVATION AT THE FRONT RAIL.
 - PIPE: USE SOLID-CORE, 500-35, ASTM D2034 POLYVINYL CHLORIDE (PVC) PIPE FOR DESIGNED PVC STORM SEWER SERVICES 4 TO 18-INCHES IN DIAMETER. USE SOLID-CORE, 500-35, ASTM F879 POLYPROPYLENE (PP) PIPE FOR DESIGNATED PPVC STORM SEWER SERVICES 18 TO 27-INCHES IN DIAMETER. JOINTS FOR ALL STORM SEWER SHALL HAVE FISH-TAIL JOINTS WITH ELASTOMERIC GASKETS. USE OF SOLVENT CEMENT JOINTS IS ALLOWED FOR BUILDING SERVICES. SOLVENT CEMENT JOINTS IN PVC PIPE MUST INCLUDE USE OF A PRIMER WHICH IS OF CONTRASTING COLOR TO THE PIPE AND CEMENT. PIPE WITH SOLVENT CEMENT JOINTS SHALL BE JOINED WITH PVC CEMENT CONFORMING TO ASTM D2554. LAY ALL PVC PIPE ON A CONTINUOUS GRANULAR BED. INSTALLATION MUST COMPLY WITH ASTM D2235.
 - TESTING: TEST ALL PORTIONS OF STORM SEWER THAT ARE WITHIN 10 FEET OF BUILDINGS WITHIN TO FEET OF BURIED WATER LINES, WITHIN 50 FEET OF WATER LINES THAT PASS THROUGH SOIL, OR WATER COVERED AS BEING CONTAMINATED. TEST ALL FLEXIBLE STORM SEWER LINES FOR DEFLECTION IN ORDER TO BE LOCATED IN ACCORD WITH THE PROVISIONS OF THE WISCONSIN STATUTES 182.017(2)(a) AND THE WISCONSIN DEPARTMENT OF COMMERCE CODEM 82.35(1)(14).
 - INSTALL IDENTIFIABLE UNDERGROUND MARKING TAPE DIRECTLY ABOVE ALL PVC, POLYETHYLENE, AND OTHER NON-METALLIC UNDERGROUND UTILITIES AT A DEPTH OF 4-7 MM (1/8 INCHES) BELOW FINISHED GRADE, UNLESS OTHERWISE INDICATED. BRING THE TAPE TO THE SURFACE AT VARIOUS LOCATIONS IN ORDER TO PROVIDE CONNECTION POINTS FOR LOCATING UNDERGROUND UTILITIES. INSTALL BLUE BRANCO TRACER WIRE TEST STATIONS, OR APPROVED EQUAL, WITH BLACK CAPS AT EACH SURFACE LOCATION.
 - TRACER WIRE LOCATING REQUIREMENTS - A MEANS TO LOCATE BURIED UNDERGROUND EXTERIOR NON-METALLIC SEWER/MAINS MUST BE PROVIDED WITH TRACER WIRE OR OTHER METHODS IN ORDER TO BE LOCATED IN ACCORD WITH THE PROVISIONS OF THESE CODE SECTIONS AS PER 182.017(2)(a) OF THE STATUTES.
 - THE MINIMUM DEPTH OF COVER FOR BUILDING AND CANOPY ROOF DRAIN LEADERS WITHOUT INSULATION IS 5 FEET. INSULATE ROOF DRAIN LEADERS AT LOCATIONS WHERE THE DEPTH OF COVER IS LESS THAN 5 FEET. PROVIDE A MINIMUM INSULATION THICKNESS OF 2 INCHES. THE INSULATION MUST BE AT LEAST A FEET HIGH AND EXTENDED ON THE PIPE. INSTALL THE INSULATION BORDERS 6 INCHES ABOVE THE TOPS OF THE PIPES ON MECHANICALLY COMPACTED AND LEVELED PIPE BEDDING MATERIAL. USE HIGH DENSITY, CLOSED CELL, FOAM STYROFOAM EQUIVALENT TO DOW STYROFOAM H-40 PLASTIC FOAM INSULATION.
 - CLEANOUTS: INSTALL CLEANOUTS ON ALL ROOF DRAINS IN ACCORDANCE WITH SECS 303.6 (303.61). THE DISTANCE BETWEEN CLEANOUTS IN HORIZONTAL SPANS SHALL NOT EXCEED 100 FEET FOR PIPES 10-INCHES AND UNDER IN SIZE. CLEANOUTS SHALL BE OF THE SAME NOMINAL SIZE AS THE PIPES THEY SERVE. INSTALL A METER BOX FRAME AND SOLO LD (NEEDHAM R-1914-A, OR APPROVED EQUAL) OVER ALL CLEANOUTS.
 - INSTALL ALL PIPE WITH THE ASTM IDENTIFICATION MARKINGS ON THE TOP FOR INSPECTION. COMMENCE PIPE LAYING AT THE LOWEST POINT IN THE PROPOSED SEWER LINE. LAY THE PIPE WITH THE BELL END OR FLEATHING SHOULDER END OF THE PIPE POINTING UPWARD. WHEN CONNECTING TO AN EXISTING PIPE, UNDERLAP THE EXISTING PIPE IN ORDER TO ALLOW ANY ADJUSTMENTS IN THE PROPOSED LINE AND GRADE BEFORE LAYING ANY PIPE. DO NOT LAY FEET IN WATER OR WHEN THE TRENCH CONDITIONS ARE UNDESIRABLE FOR SUCH WORK.

811

Know what's Below.
Call before you dig.
WIS. STATUTE 182.0175 (1974)
REQUIRES MIN. OF 3 WORK DAYS
NOTICE BEFORE YOU EXCAVATE

SITE UTILITY PLAN

CONVENIENCE STORE 155
COTTAGE GROVE ROAD AND ACEWOOD BLD.
MADISON, WISCONSIN 53718

NO.	DATE	DESCRIPTION

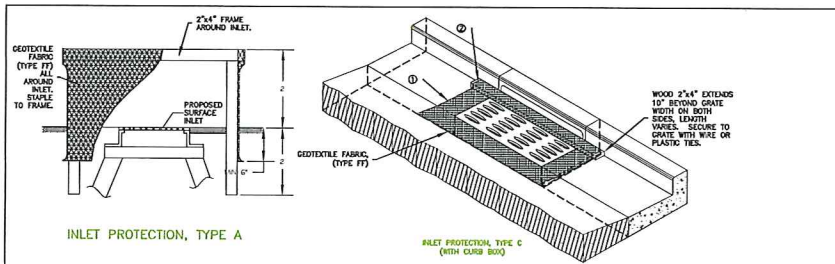
DRAWN BY: S. ANDERSON
SCALE: NOTED
PROJ. NO.: 115.0422-30
DATE: 2-3-16
SHEET: SP3.0

Kwik Trip
Stores

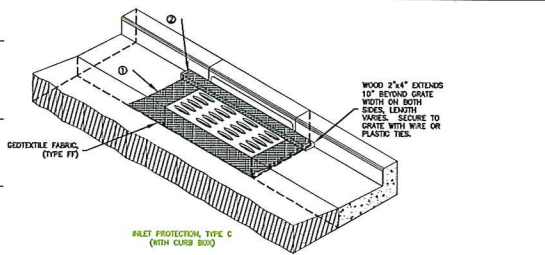
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LA CROSSE, WI 54602-2107
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FAX (608) 781-8960

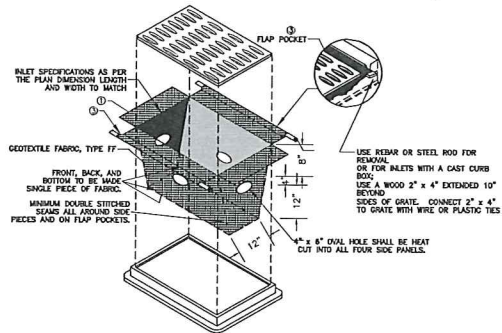
SNYDER & ASSOCIATES
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INLET PROTECTION, TYPE A

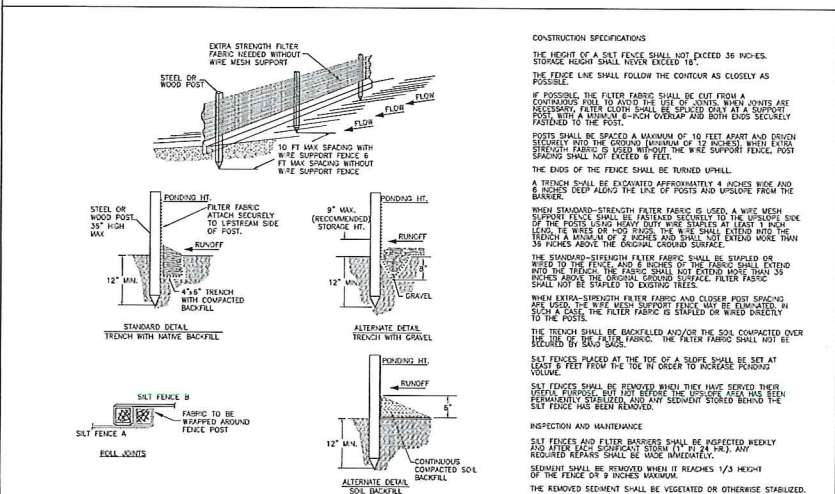


INLET PROTECTION, TYPE C (WITH CURB BOX)



INLET PROTECTION, TYPE D

1 STORM WATER INLET PROTECTION
NOT TO SCALE



2 SILT FENCE INSTALLATION DETAILS
NOT TO SCALE

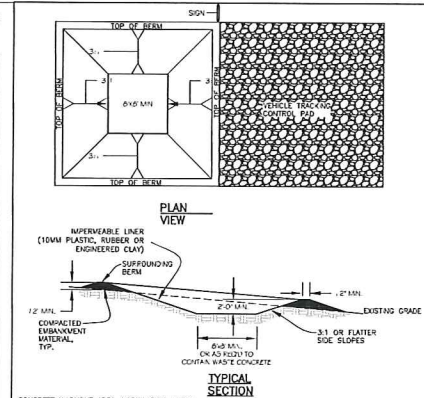
ALL EROSION CONTROL MEASURES TO BE INSTALLED AND MAINTAINED PER WDNR STANDARDS

INSTALLATION NOTES:

- TILES**
- TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.
 - THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.
- TIED**
- DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.
 - THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CATCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

GENERAL NOTES:

- MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON WIS DOT PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.
- WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.
- FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED SHALL EXTEND A MINIMUM OF 10' AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.
- FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.
- FLAP POCKET SHALL BE LARGE ENOUGH TO ACCEPT A WOOD 2" x 4" .



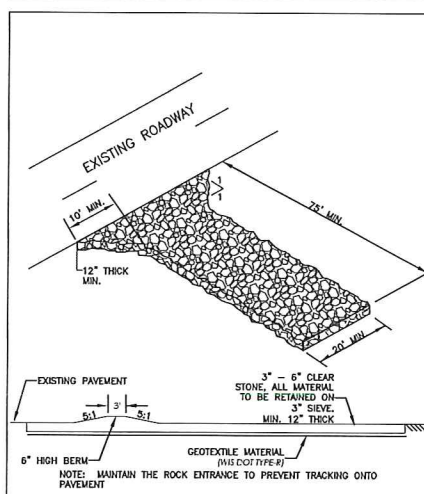
CONCRETE WASHOUT AREA INSTALLATION NOTES

1. SEE EROSION CONTROL PLAN FOR LOCATIONS OF CONCRETE WASHOUT AREA(S). TO BE PLACED A MIN. OF 50' FROM UNPAVED AREAS, BODIES OF WATER, AND INLETS.
2. THE CONCRETE WASHOUT AREA(S) SHALL BE INSTALLED PRIOR TO ANY CONCRETE PLACEMENT ON SITE.
3. VEHICLE TRACKING CONTROL PAD IS REQ'D AT THE ACCESS POINT(S).
4. SIGNS SHALL BE PLACED AT THE CONSTRUCTION ENTRANCE, AT THE WASHOUT AREA(S), AND ELSEWHERE AS NECESSARY TO CLEARLY INDICATE THE LOCATION OF THE CONCRETE WASHOUT AREAS TO OPERATORS OF CONCRETE TRUCKS AND PUMP TRUCKS.
5. EXCAVATED MATERIAL SHALL BE UTILIZED IN PERMETER BEAM CONSTRUCTION.

CONCRETE WASHOUT AREA MAINTENANCE NOTES

6. THE CONCRETE WASHOUT AREA SHALL BE REPAIRED AND ENLARGED OR CLEANED OUT AS NECESSARY TO MAINTAIN CAPACITY FOR WASTED CONCRETE.
7. AT THE END OF CONSTRUCTION, ALL CONCRETE SHALL BE REMOVED FROM SITE AND DISPOSED OF AT AN APPROVED WASTE SITE.
8. WHEN CONCRETE WASHOUT AREA(S) IS REMOVED, THE DISTURBED AREA SHALL BE STABILIZED PER SITE EROSION CONTROL MEASURES.
9. INSPECT WEEKLY AND BEFORE AND AFTER ALL STORM EVENTS. CLEAN-CUT OR COVER WASHOUT AREA PRIOR TO PREDICTED STORM EVENTS TO PREVENT OVER-FLOW.

3 CONCRETE WASHOUT AREA
NOT TO SCALE



4 CONSTRUCTION ENTRANCE DETAIL
NOT TO SCALE

Kwik Trip
STORES

Kwik Star
STORES

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FAX (608) 781-8960

S

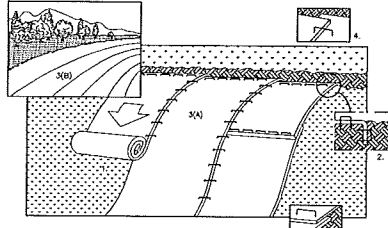
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5010 VOGES ROAD
MADISON, WISCONSIN 53718
608-838-0444 KTS01
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EROSION CONTROL DETAILS

CONVENIENCE STORE 155
4602 COTTAGE GROVE ROAD
MADISON, WISCONSIN 53714

NO.	DATE	DESCRIPTION

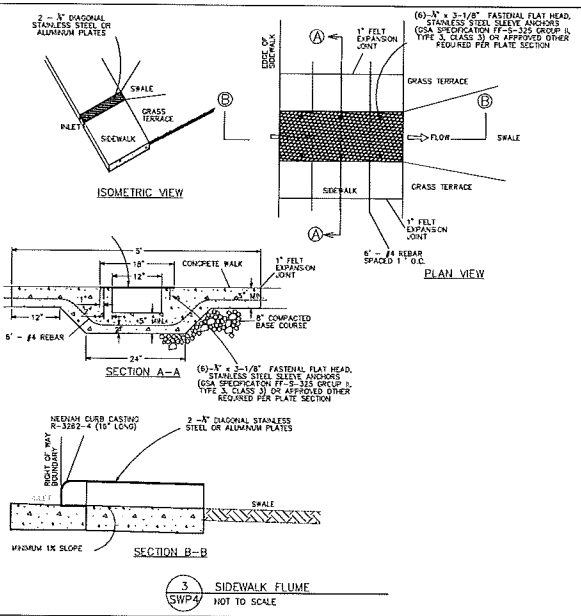
DRAWN BY: M. WAHL
SCALE: NONE
PROJ. NO.: 115.0422.30
DATE: 6-5-15
SHEET: SWP3



NOTE: REFER TO SEPARATE PATTERN GUIDE FOR CORRECT STAPLE PATTERNS RECOMMENDATIONS FOR SLOPE INSTALLATIONS.

1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING APPLICATION OF FERTILIZER AND SEED. NOTE: 8-10 IN. DEEP CELL-D-SEEDS DO NOT NEED PREPARED AREA. CELL-D-SEED MUST BE INSTALLED WITH PAPER SIDE DOWN.
2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN 6" DEEP X 6" WIDE TRENCH. SHOVEL AND COMPACT THE TRENCH AFTER SHOULDERING.
3. ROLL THE BLANKETS (A) DOWN OR (B) HORIZONTALLY ACROSS THE SLOPE.
4. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2' OVERLAP.
5. WHEN BLANKETS MUST BE SPICED DOWN THE SLOPE, PLACE BLANKETS END OVER END (SHINGLE STEEL) WITH APPROXIMATELY 4" OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" APART.
6. ALL BLANKETS MUST BE SECURELY FASTENED TO THE SLOPE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS RECOMMENDED BY THE MANUFACTURER.

1 EROSION CONTROL MAP -- SLOPE INSTALLATION
NOT TO SCALE

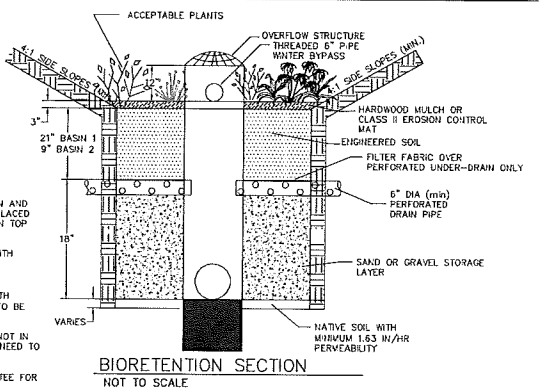


3 SIDEWALK FLUME
NOT TO SCALE

BIO-RETENTION AREA PLANTING NOTES

SOIL PREPARATION & GRADING

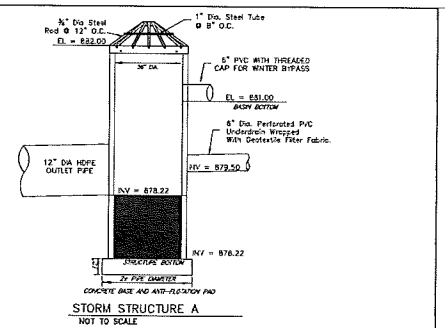
1. UPON COMPLETION OF EXCAVATING & GRADING OPERATIONS, A LOOSE, FRIABLE SEEDBED SHALL BE PREPARED FOR INSTALLATION OF NATIVE SEED.
2. CARE SHALL BE TAKEN TO MINIMIZE SOIL COMPACTION DURING CONSTRUCTION ACTIVITY. BY EXAMPLE OF A STANDARD SOIL PENETROMETER (COMPACTION TESTER), THE TOPSOIL COMPACTION READINGS SHALL BE LESS THAN 200 PSI AT THE 0-8 INCH DEPTH AND LESS THAN 250 PSI AT THE 8-18 INCH DEPTHS IN ALL AREAS TO BE SEED.
3. UNDULATIONS OR IRREGULARITIES IN THE SEEDBED WHICH WOULD INTERFERE WITH A CONSISTENT SEEDING OPERATION SHALL BE LEVELED PRIOR TO FINAL SEEDING.
4. FINAL SEEDBED SHOULD BE GRADED SUCH THAT THE AREAS TO BE SEEDDED CONSIST OF A SMOOTH, FREE DRAINING, EVEN SURFACE WITH A LOOSE POROUS TEXTURE.
5. BIORETENTION SHALL CONFORM TO WIS. DNR TECH STANDARD 1004.
6. BIORETENTION BASINS SHALL BE EXCAVATED AND USED AS SEDIMENT TRAPS DURING CONSTRUCTION. UPON COMPLETION OF CONSTRUCTION AND SITE STABILIZATION, THE BASINS SHALL BE OVER-EXCAVATED 3 FEET MINIMUM AND THEN THE SAND LAYER AND ENGINEERED SOIL SHALL BE PLACED TO WITHIN THREE INCHES OF FINAL GRADE. ONCE THE ENGINEERED SOIL IS PLACED, THREE INCHES OF HARDWOOD MULCH SHALL BE ADDED ON TOP OF THE ENGINEERED SOIL.
7. IT IS ASSUMED THAT THE NATIVE SOIL INFILTRATION RATE IS 1.63 INCHES PER HOUR. EXCAVATION SHALL BE DONE UNTIL NATIVE SOILS WITH THIS INFILTRATION RATE IS ENCOUNTERED.
8. SPECIFIC SPECIES SUGGESTED SUBSTITUTIONS SHALL BE PRESENTED TO CONSULTANT ALONG WITH THE REASONS FOR THE SUGGESTIONS. WITH CONSULTANT OR PROJECT ENGINEER'S APPROVAL, SUBSTITUTIONS MAY BE MADE. IF SUBSTITUTIONS ARE MADE, CONTRACT PRICES MAY NEED TO BE ADJUSTED ACCORDINGLY.
9. SEED CAN BE PLANTED IN THE FIELD DURING THE GROWING SEASON FROM MAY 1 THROUGH OCTOBER 1. ANY SUGGESTED PLANTING TIMES NOT IN THIS WINDOW SHALL BE APPROVED BY CONSULTANT OR ENGINEER. IF PLANTING OCCURS OUTSIDE OF THIS WINDOW ADDITIONAL MEASURES MAY NEED TO BE TAKEN (I.E. MULCH) TO ENSURE PLANT SURVIVAL. IN THESE INSTANCES, THE CONTRACT PRICE MAY NEED TO BE ADJUSTED ACCORDINGLY.
10. ALL PLANTED MATERIALS WILL BE WARRANTED BY INSTALLATION CONTRACTOR TO BE IN HEALTHY CONDITION WITH A REPLACEMENT GUARANTEE FOR A PERIOD OF ONE YEAR FROM THE DATE OF PLANTING.
11. SEED SHOULD BE WATERED IN AFTER INSTALLATION TO ENSURE THEIR SURVIVAL. THIS TYPICALLY INVOLVES WATERING AT TIME OF INSTALLATION AND 2 TIMES WEEKLY FOR A ONE MONTH PERIOD OR UNTIL GROUND FREEZE UP IF NATURAL RAINFALLS ARE INSUFFICIENT. A SINGLE WATERING EVENT INVOLVES WATERING THE SOIL IN THE PLANTED AREAS TO THE POINT OF SATURATION BUT STOPPING SHORT OF SOIL DISPLACEMENT. SHOULD VERY DRY CONDITIONS DEVELOP WITHIN ONE YEAR OF PLANTING, ADDITIONAL WATERINGS MAY BE NECESSARY, CONSULTANT OR PROJECT ENGINEER WILL DETERMINE THIS AND CONTRACT PRICES MAY BE ADJUSTED TO ACCOMMODATE THIS ACTION.
12. BIO-RETENTION SEED SHALL CONTAIN A MIXTURE OF NATIVE SEED. ACCEPTABLE SPECIES INCLUDE:
LAVENDER HYSOOP, HEATH ASTER, Hairy WOOD MINT, BRISTLY SEDGE, PORCUPINE SEDGE, BROWN FOX SEDGE, PURPLE CONEFLOWER, BONESET, RATTLESHAKE GRASS, SOUTHERN BLUE FLAG IRL, MARSH BLAZING STAR, GREAT BLUE LOBELIA, MOUNTAIN WHT, OHIO GOLDENROD, BLUE VERVAIN, HEART-LEAVED GOLDEN ALEXANDERS.
FORBS: MARSH MILKWHEED, HEATH ASTER, NEW ENGLAND ASTER, WILD WHITE INDIGO, SPOTTED JOE PEE WEEED, BONESSET PRAIRIE BLAZING STAR, MARSH BLAZING STAR, CARDINAL FLOWER, GREAT BLUE LOBELIA, WILD BERGAMOT, GREENT PLANT, MOUNTAIN WHT, YELLOW CONEFLOWER, BLACK-EYED SUSAN, SWEET BLACK-EYED SUSAN, OHIO GOLDENROD, SP-DERWORT, BLUE VERVAIN AND IRONWEED.
GRASSES, SEDGES & RUSHES: FRINGED BROME, BLUE JOINT GRASS, BEBB-S SEDGE, CRAWFORDS SEDGE, FRINGED SEDGE, COMMON FOX SEDGE, CANADA WILD RYE, VIRGINIA WILD RYE, REED MAINA GRASS, SWITCH GRASS, DARK-GREEN BULLRUSH, WOOL GRASS, INDIAN GRASS, PRAIRIE CORD GRASS.



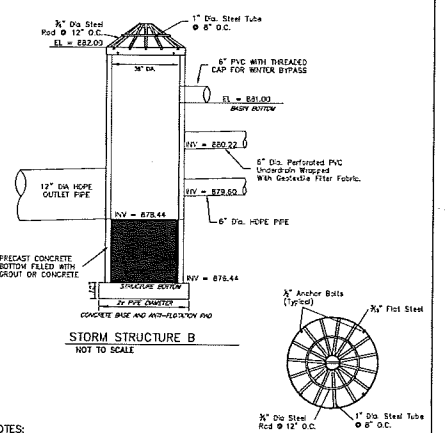
4 BIORETENTION SECTION
NOT TO SCALE

NOTES:
ENGINEERED SOIL SHALL CONSIST OF 70% - 85% FRESHWASHED COARSE, UNIFORM (TOPSOIL / MORTAR) SAND AND 15% - 30% COMPOST.
PEA GRAVEL SHALL BE WASHED AN LARGE ENOUGH TO PREVENT FALLING THROUGH PIPE PERFORATIONS.
CONTRACTOR SHALL EXCAVATE TO A NATIVE SOIL HAVING A MINIMUM PERMEABILITY OF 1.63 IN/HR. EXCAVATED AREA TO BE BACKFILLED WITH CLEAN SAND OR GRAVEL.

4 BIORETENTION BASIN
NOT TO SCALE



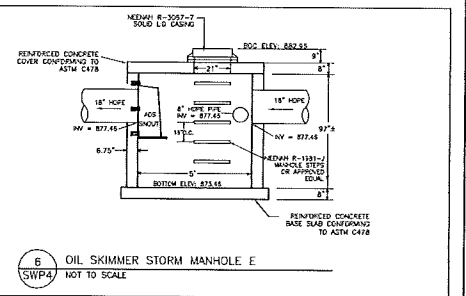
5 STORM STRUCTURE A
NOT TO SCALE



5 STORM STRUCTURE B
NOT TO SCALE

- NOTES:
1. EACH GRATE IS PIPE BRUSHED AND CLEANED THOROUGHLY PRIOR TO PAINTING
2. FIRST COAT IS AN OVERALL COAT EACH COAT IS ALLOWED TO DRY FOR 24 HOURS MIN.
3. FIRST COAT: RUST-OLEUM X-60 RED BARE METAL PRIMER OR EQUAL
4. SECOND COAT: RUST-OLEUM 900 ZINC CHROMATE PRIMER OR EQUAL
5. THIRD COAT: RUST-OLEUM 1282 HIGH GLOSS AND METALLIC FINISH OR EQUAL
6. GALVANIZED AND EPOXY COATED GRATES ALSO AVAILABLE AS SPECIFIED

5 SWP4 STORM STRUCTURE A AND B
NOT TO SCALE



6 OIL SKIMMER STORM MANHOLE E
NOT TO SCALE

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STORES

KWIK STAR
STORES

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1625 OAK STREET
LA CROSSE, WI 54602-2107
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FAX (608) 781-8960

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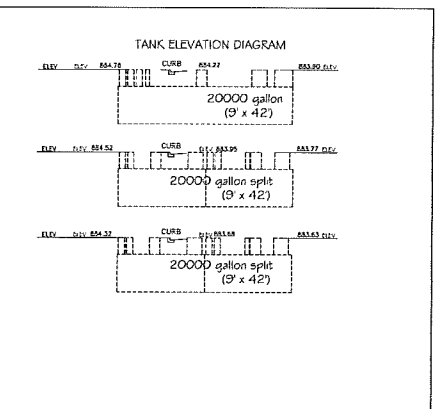
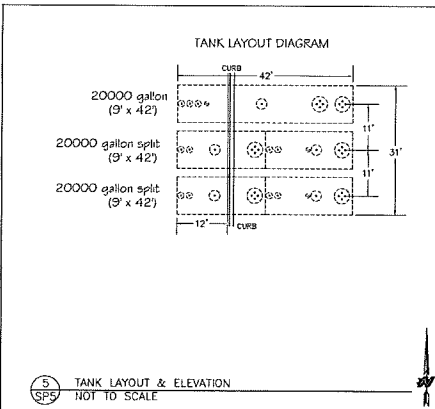
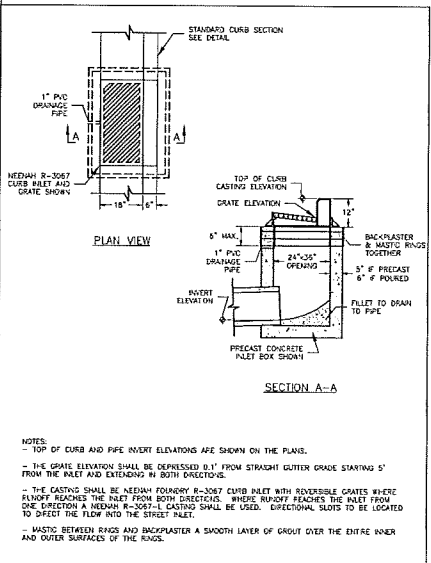
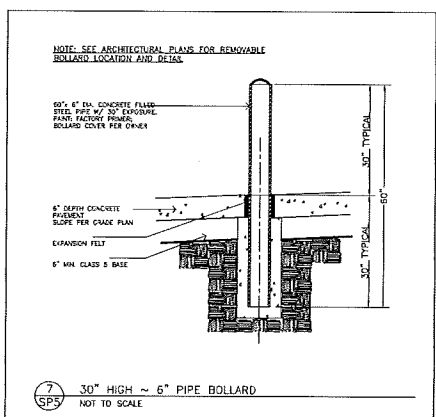
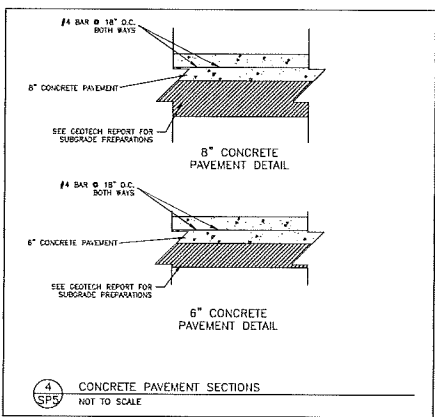
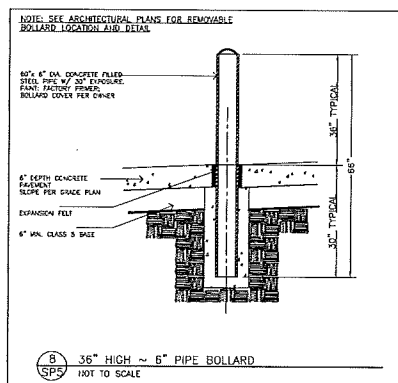
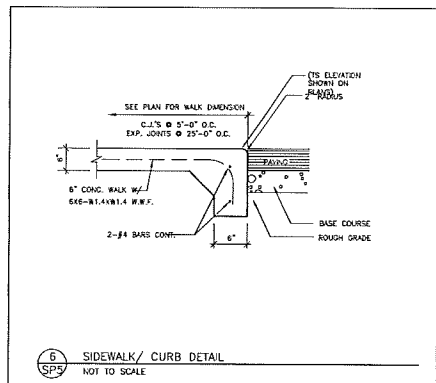
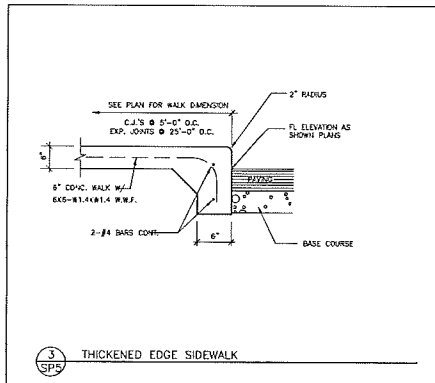
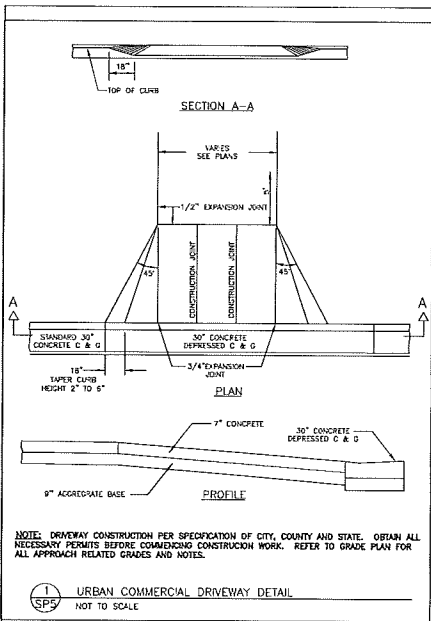
SHYDER & ASSOCIATES
5010 VOGES ROAD
MADISON, WISCONSIN 53718
508-538-0444 KT001
www.shyder-associates.com

EROSION CONTROL DETAILS

CONVENIENCE STORE 155
4602 COTTAGE GROVE ROAD
MADISON, WISCONSIN 53714

NO.	DATE	DESCRIPTION

DESIGNED BY: V. WAJAL
SCALE: AS SHOWN
PROJ. NO. 115.0422.30
DATE: 6-5-15
SHEET: SWP4



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STORES

Kwik STAR
STORES

KWIK TRIP, Inc.
P.O. BOX 2107
1628 OAK STREET
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FAX (608) 781-9590

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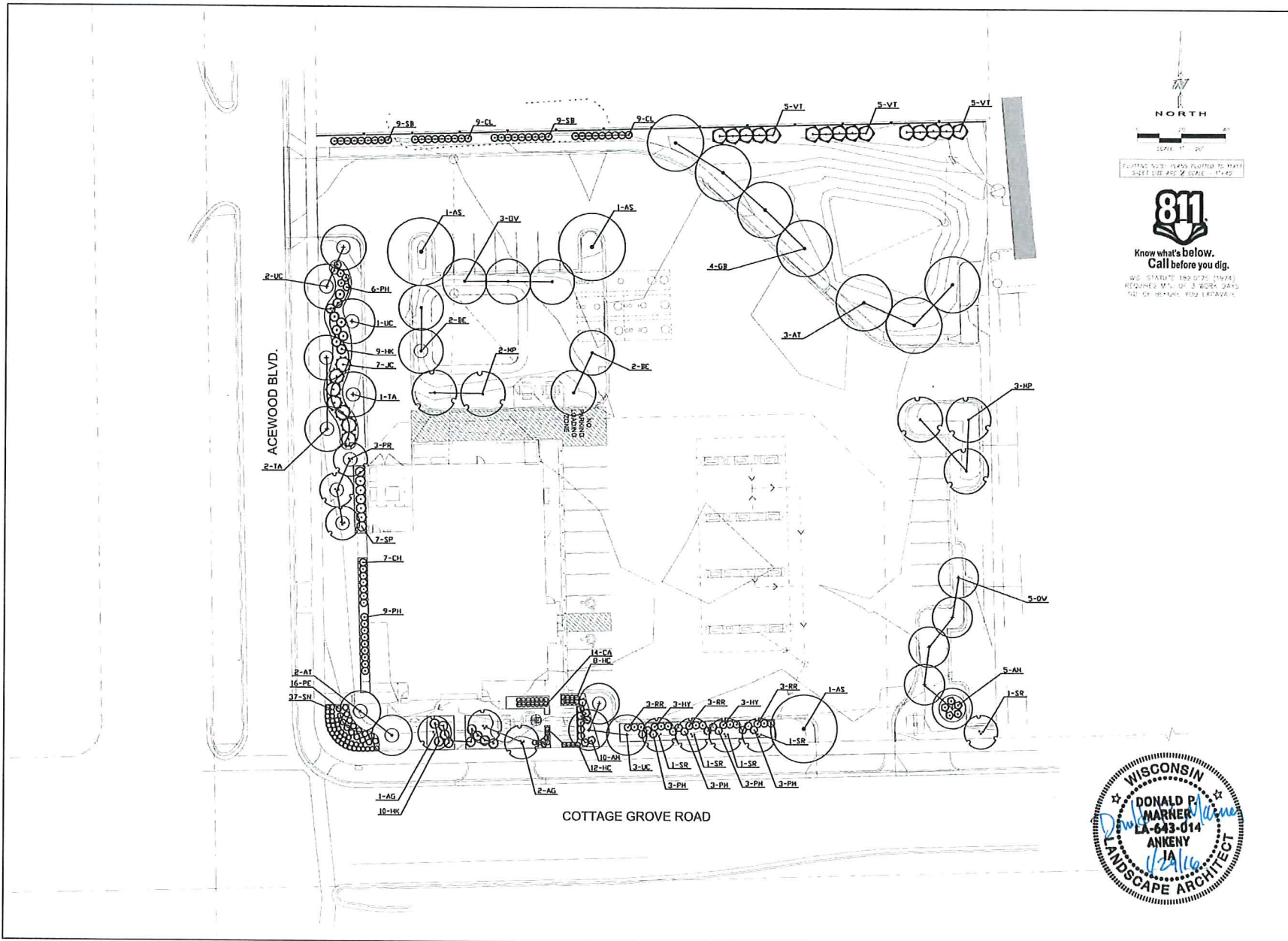
SNYDER & ASSOCIATES
8010 VOGES ROAD
MADISON, WISCONSIN 53718
608-838-0444 KTS01
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SITE PLAN DETAILS

CONVENIENCE STORE 155
4602 COTTAGE GROVE ROAD
MADISON, WISCONSIN 53714

NO.	DATE	DESCRIPTION

DRAWN BY: V. HANL
SCALE: NONE
PROJ. NO. 115.0442.30
DATE: 6-5-16
SHEET: **SP5**




 NORTH
 SCALE: 1" = 20'
 PLANTING SIZE PLANS PLUMBED TO MATCH
 SHEET SIZE AND SCALE 11x17


811
 Know what's below.
 Call before you dig.
WI STATUTE 183.075 (1975)
 REQUIRES M.O. OF 3 WORK DAYS
 72 HRS BEFORE YOU EXCAVATE


 WISCONSIN
 DONALD P. WARNER
 LA-643-014
 ANKENY
 LANDSCAPE ARCHITECT

Kwik Trip
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Kwik Star
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LANDSCAPE PLAN
 CONVENIENCE STORE #155
 COTTAGE GROVE ROAD AND ACEWOOD BLVD.
 MADISON, WISCONSIN 53718

NO. DATE REVISION
 1 1/11 155-01
 2 1/11 155-02
 3 1/11 155-03
 4 1/11 155-04
 5 1/11 155-05

PLANT SCHEDULE

KEY	QTY	BOTANICAL NAME	COMMON NAME	SIZE	COMMENTS
AS	3	Acer saccharum 'Autumn Fest'	AUTUMN FEST SUGAR MAPLE	2" CAL.	BBB
AT	5	Acer tomentosum 'Hot Wings'	HOT WINGS TATARUM MAPLE	1-1/2" CAL.	BBB
BE	4	Betula nigra 'Heritage'	HERITAGE RIVER BIRCH	10" HI. CLUMP	BBB
GD	4	Crataegus baccata 'McSentry'	PRINCETON SENTRY CRANGO	1-1/2" CAL.	BBB (WAL)
OV	3	Ostrya virginiana	AMERICAN HOPBUSH	1-1/2" CAL.	BBB
OW	5	Quercus x warei 'Long'	REGAL FRAXE OAK	1-1/2" CAL.	BBB
TA	3	Tilia americana 'Boulevar'	BOULEVARD LINDEN	2" CAL.	BBB
UC	6	Ulmus carpinifolia x parviflora 'Frontier'	FRONTIER ELM	1-1/2" CAL.	BBB
AG	3	Amelanchier x grandiflora 'Autumn Brilliance'	AUTUMN BRILLIANCE SERVICEBERRY	8" HT.	BBB
MP	5	Morus 'Profusion'	PROFUSION CRABAPPLE	6" HT.	BBB
PR	3	Prunus serotina	BLACK CHERRY	6" HT.	BBB
SR	5	Syringa reticulata ' Ivory Silk'	IVORY SILK JAPANESE TREE LILAC	8" HT.	BBB
AM	15	Aronia melanocarpa 'Morlon'	ROQUOIS BEAUTY BLACK CHOKEBERRY	18" HT.	CONT.: 3" O.C.
CH	7	Chamaecyparis pisifera 'Baby Blue'	BABY BLUE FALSE CYPRESS	24" HT.	CONT.: 3" O.C.
CL	18	Ostrya alba 'Ruby Spice'	RUBY SPICE SUMMERSWEET	24" HT.	CONT.: 3" O.C.
HY	6	Hydrangea paniculata 'Joni'	LITTLE LIME HYDRANGEA	18" HT.	CONT.: 4" O.C.
IK	19	Hypericum kalmianum 'Ames'	AMES ST. JOHN'S WORT	18" HT.	CONT.: 4" O.C.
JK	7	Juniperus chinensis 'Sea Green'	SEA GREEN JUNIPER	24" HT.	CONT.: 3" O.C.
PH	15	Physocarpus opulifolius 'Little Dink'	DIABLO HEBARDE	18" HT.	CONT.: 4" O.C.
PI	12	Pinus mugo 'Paoli Dwarf'	PAUL'S DWARF MUGO PINE	18" HT.	CONT.: 3" O.C.
RR	9	Rosa rugosa 'Frau Dagmar Hostrup'	FRAU DAGMAR HAUSTRUP ROSE	18" HT.	CONT.: 3" O.C.
SD	18	Spiraea betulifolia 'Tor'	TOR BRIGDALE SPIREA	18" HT.	CONT.: 3" O.C.
SP	7	Syringa x 'Pendo'	BLOOMERANG LILAC	24" HT.	CONT.: 6" O.C.
VT	15	Viburnum trilobum 'Nana'	NANA VIBURNUM	36" HT.	CONT.: 8" O.C.
CA	14	Calamagrostis acutiflora 'Karl Foerster'	KARL FOERSTER FEATHER REED GRASS	1 GALLON	CONT.: 2" O.C.
HC	20	Hemerocallis 'Chicago Apache'	CHICAGO APACHE DAYLILY	1 GALLON	CONT.: 2" O.C.
PE	22	Pennisetum alopecuroides 'Kameki'	HAMEL FOUNTAIN GRASS	1 GALLON	CONT.: 3" O.C.
SN	24	Sahia nemorosa 'Caradonna'	CARADONNA SALVIA	1 GALLON	CONT.: 2" O.C.

PLANTING PLAN GENERAL NOTES

- UTILITY WARNING: THE UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND/OR RECORDS OBTAINED. THE SURVEYOR MAKES NO GUARANTEE THAT THE UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEY FURTHER DOES NOT WARRANT THAT THE UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED.
- NOTIFY UTILITY OWNERS PRIOR TO BEGINNING ANY CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR DETERMINING EXISTENCE, EXACT LOCATION AND DEPTH OF ALL UTILITIES. AVOID DAMAGE TO UTILITIES AND SERVICES DURING CONSTRUCTION. ANY DAMAGE DUE TO THE CONTRACTOR'S CARELESSNESS SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE. COORDINATE AND COOPERATE WITH UTILITY COMPANIES DURING CONSTRUCTION.
- ALL PLANT MATERIAL SHALL AT LEAST MEET MINIMUM REQUIREMENTS SHOWN IN THE "AMERICAN STANDARDS FOR NURSERY STOCK" (ANSI Z60.1-LATEST EDITION).
- CONTRACTOR SHALL GUARANTEE ALL PLANT MATERIAL FOR A PERIOD OF ONE YEAR FROM DATE OF PROJECT ACCEPTANCE.
- PROVIDE 3-INCH DEPTH SHREDED HARDWOOD MULCH AROUND ALL PLANTINGS TO A MIN. 3-FOOT PERIMETER, AND IN ALL AREAS INDICATED ON PLAN.
- CONTRACTOR TO SOD ALL AREAS DISTURBED BY CONSTRUCTION.

LANDSCAPE CALCULATIONS

FRONTAGE LANDSCAPE:
 REQUIREMENT: 1 OVERSTORY TREE AND 5 SHRUBS PER 30 LF OF FRONTAGE
 ACEWOOD BLVD: 272 LF / 30 LF = 9.1 PLANT UNITS (PU'S)
 9.1 PU'S X 1 OVERSTORY TREE = 9 REQUIRED (10 PROVIDED)
 ---- 2 ORNAMENTAL TREES MAY BE SUBSTITUTED FOR 1 OVERSTORY TREE, 4 PROPOSED + 2 OVERSTORY TREES PROVIDED

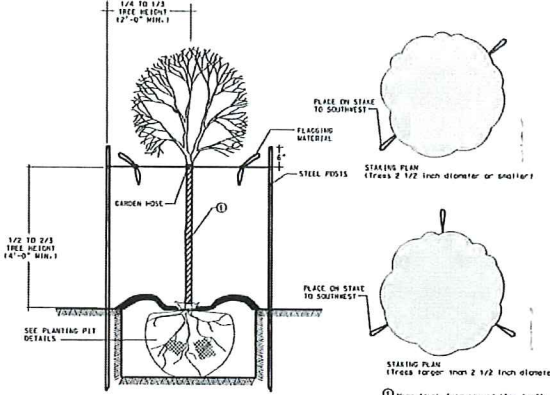
9.1 PU'S X 5 SHRUBS = 46 SHRUBS REQUIRED (46 PROVIDED)

COTTAGE GROVE ROAD: 297 LF/30 LF = 9.9 PLANT UNITS (PU'S)
 9.9 PU'S X 1 OVERSTORY TREE = 10 REQUIRED (10 PROVIDED)
 ---- 2 ORNAMENTAL TREES MAY BE SUBSTITUTED FOR 1 OVERSTORY TREE, 8 PROPOSED + 4 OVERSTORY TREES PROVIDED

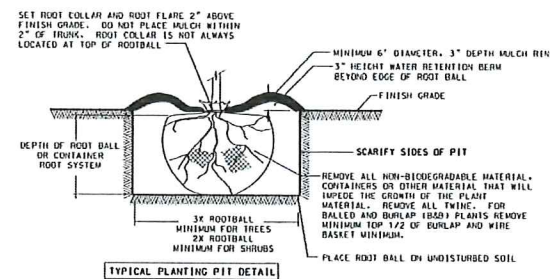
9.9 PU'S X 5 SHRUBS = 50 SHRUBS REQUIRED (50 PROVIDED)

INTERIOR PARKING LOT:
 REQUIREMENT: 8% OF PAVEMENT AREA TO BE USED AS LANDSCAPED AREAS
 46,361 SF X 8% = 3,709 SF REQUIRED (3,940 PROVIDED)

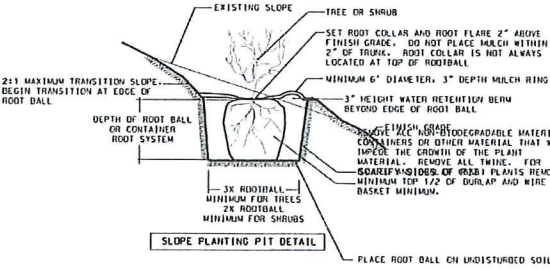
REQUIREMENT: 1 SHADE TREE PER 160 SF OF REQUIRED LANDSCAPED AREA
 3,709 SF / 160 SF = 23 SHADE TREES REQUIRED (23 PROVIDED)
 ---- 2 ORNAMENTAL TREES MAY BE SUBSTITUTED FOR 1 SHADE TREE, 5 PROPOSED + 2.5 OVERSTORY TREES PROVIDED



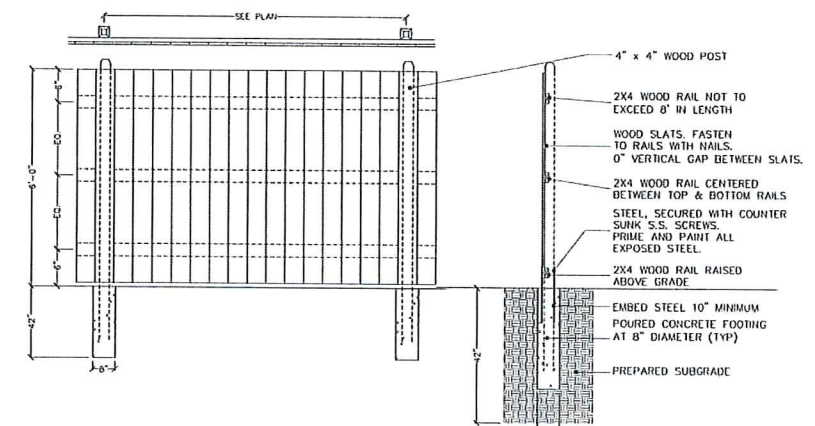
1 DECIDUOUS TREE STAKING DETAIL
 (L1.1) NO SCALE



TYPICAL PLANTING PIT DETAIL



3 PLANTING PIT DETAIL
 (L1.1) NO SCALE



2 6' HT. CEDAR FENCE DETAIL
 (L1.1) NO SCALE



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 MADISON, WISCONSIN 53718
 608-838-0444 KTS01
 www.snyder-associates.com

LANDSCAPE DETAILS
CONVENIENCE STORE 155
 155 EAST WASHINGTON
 MADISON, WISCONSIN 53716

NO. 1557 REVISION NO. _____
 DRAWN BY: _____
 CHECKED BY: _____
 DATE: 12/16
 SHEET: 2 OF 2
L1.1

Typical Abbreviations List

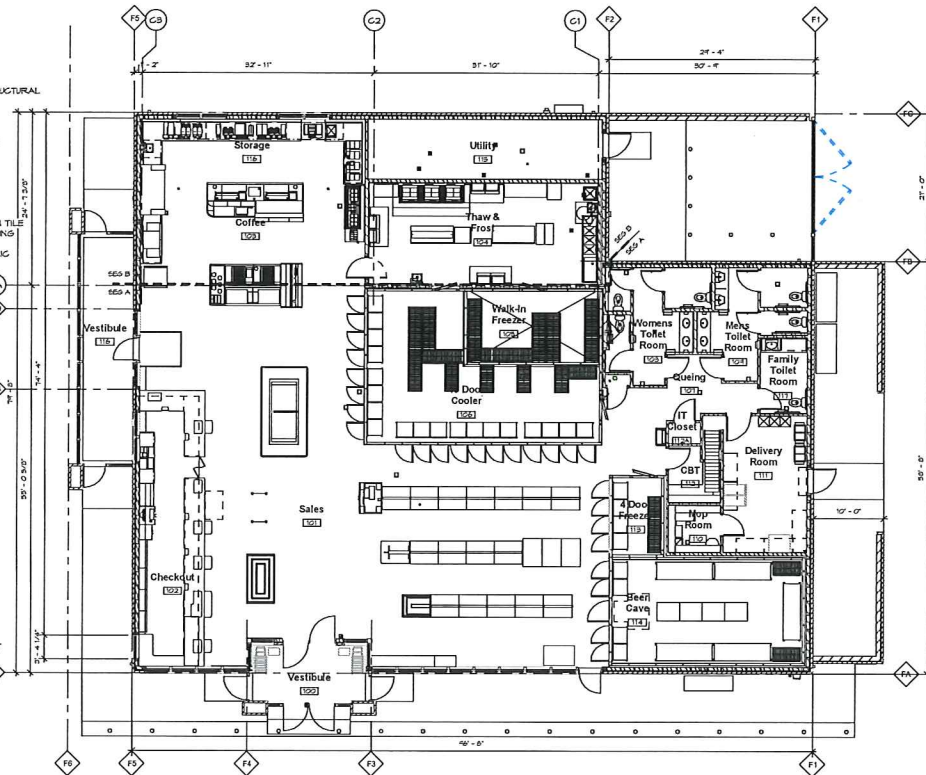
A/C	AIR CONDITIONING	MBD	MARKER BOARD
ACT	ACUSTICAL CEILING TILE	MBS	MASONRY
AD	AREA DRAIN	MO	MASONRY OPENING
ADJ	ADJUSTABLE	MAX	MAXIMUM
AF	ABOVE FINISHED FLOOR	MESH	MESH
ALT	ALTERNATE	MTL	METAL
ALUM	ALUMINUM	MN	MINIMUM
AP	ACCESS PANEL	NC	NOT IN CONTRACT
APPROX	APPROXIMATE	NTS	NOT TO SCALE
Ø	Ø	OC	ON CENTER
BD	BOARD	OD	OUTSIDE DIAMETER
BRG	BEARING	OH	OVERHEAD
BT	BITUMINOUS	PI	PAINT
BLKS	BLOCKING	PL	PLASTER
BR	BRICK	PLAM	PLASTIC LAMINATE
BLDS	BUILDING	FL	FLUTE
BM	BEAM	FLBS	FLUORBING
B.O.	BOTTOM OF	FLYWD	FLYWOOD
BOTT.	BOTTOM	PC	PORCELAIN CERAMIC TILE
BRG	BEARING	P/C	PRECAST
BTWN.	BETWEEN	P/C TERR	PRECAST TERRAZZO
CAB	CABINET	PRFABD	PREFABRICATED
CB	CONCRETE BLOCK	FRFIN	REFINISHED
CB	CAST-IN-PLACE	PT	PRESSURE TREATED
CF	CUBIC FEET	QT	QUARRY TILE
CPT	CARPET	REN	REINFORCING OR REINFORCEMENT
CLS	CEILING	REGD	REGISTERED
CLK	CAULK	R	RIBBING
CLR	CLEAR	RD	ROOF DRAIN
CT	CERAMIC TILE	RFS	ROOFING
CTR	CENTER	RFS	ROOM FINISH SCHEDULE
CO	CLEAN OUT	RM	ROOM
COL	COLUMN	SCHED	SCHEDULE
CONC	CONCRETE	S	SEALED
CMU	CONCRETE MASONRY UNIT	SM	SIMILAR
CONT	CONTINUOUS	SG	SOLID GORE
CONST	CONSTRUCTION	S.SURF	SOLID SURFACE
CONTR.	CONTRACTOR	SPEC	SPECIFICATION
CJ	CONTROL JOINT	STAN	STAIN
COORD	COORDINATE	SS	STAINLESS STEEL
CURT	CURTAIN	STRCT	STRUCTURE OR STRUCTURAL
CY	CUBIC YARD	SW	SITE WASTE
DBL	DOUBLE	TBD	TACKBOARD
DET	DETAIL	TEMP	TEMPERED
DIA	DIAMETER	TERR T	TERRAZZO TILE
DIAS	DIAGONAL	TAG	TONGUE & GROOVE
DM	DIMENSION	TOP OF	TOP OF
DBT	DISTANCE	TP	TOILET PARTITION
DN	DOWN	TR	TRIM
DRTS	DOORS	TYP	TYPICAL
DS	DOWNSPOUT	UNFN UNFINISHED	UNFINISHED
EHG	ELECTRIC WATER CHILLER	VB	VAPOR BARRIER
ELECT	ELECTRICAL	VERT	VERTICALLY
ELEV	ELEVATION	VGT	VINYL COMPOSITION TILE
EL	ELEVATOR	VWC	VINYL WALL COVERING
EP	EPOXY PAINT	VB	VINYL BASE
EQP	EQUIPMENT	WVF	WELDED WIRE FABRIC
EXST	EXISTING	WDM	WOOD
EPF	EXPANDED POLYSTYRENE	WV	W/TH
EXT	EXPOSED	WD	WOOD
EXT	EXTERIOR		
EV	EXTERIOR INSULATION FINISH SYSTEM		
FN	FINISH		
FE	FIRE EXTINGUISHER		
FL	FLOOR		
FD	FLOOR DRAIN		
FTG	FOOTING		
FDN	FOUNDATION		
GEN	GENERAL		
GC	GENERAL CONTRACTOR		
GL	GLASS OR GLAZING		
GFCMJ	GROUND FACE CMU		
GYP BD	GYPSON BOARD		
HEV	HEATING & VENTILATION		
HC	HOLLOW CORE		
HM	HOLLOW METAL		
HO	HOLD OPEN ARM		
HR	HOURS		
HTD	HINTERANT		
INSUL	INSULATION		
INT	INTERIOR		
JT	JOINT		
NT	JOIST		

Graphic Symbols

	ROOM TAG
	SECTION CALLOUT
	ELEVATION CALLOUT
	DETAIL CALLOUT
	DOOR NUMBER
	CURTAIN WALL TYPE
	WALL TYPE
	VERTICAL MARKINGS
	FONT ELEVATION
	REVISION INDICATOR
	GRID LINE - CENTER OF STEEL STUD

Material Symbols

	EARTH
	CONCRETE
	CONCRETE MASONRY UNIT
	FACE BRICK
	SPRAY-FOAM INSULATION
	STRUCTURAL STEEL
	BATT INSULATION
	ROUGH LUMBER
	RIGID INSULATION
	GYPSON BOARD
	PLYWOOD



1 OVERALL FLOOR PLAN
1/8" = 1'-0"



THERMAL ENVELOPE NOTES

RETAIL STORE	
AREA	SYSTEM
COLD ATTIC CEILING:	1. R-38 BLOWN FIBERGLASS WITH 4 MIL POLY VAPOR BARRIER AT GYP. BD. SURFACES. PROVIDE DEPTH MARKERS
KNEE WALL AT CEILING:	1. R-21 SPRAY FOAM POLYURETHANE (3") USE FOAM APPROVED FOR NO THERMAL OR IGNITION BARRIER ATTIC.
EXTERIOR WALLS:	1A. TYPICAL EXTERIOR WALLS: R-19 FIBERGLASS BATT WITH VAPOR BARRIER COATING ON ALL INTERIOR GYP. BD. SURFACES 1B. WALLS AT FREEZER AND COOLER: R-19 FIBERGLASS BATT WITH 5/8" DENS SHIELD, BEAD OF SEALANT AT ALL EDGES. NO ADDITIONAL FINISH OR VAPOR BARRIER. NO TAPE OR PAINT. 2. PACK ALL DOOR AND WINDOW VOIDS. 3. FOAM ALL PENETRATIONS. 4. SEAL ALL VAPOR BARRIER PENETRATIONS (OUTLETS, LIGHT FIXTURES, ETC.) 5. USE VAPOR BARRIER COATING ON ALL INTERIOR DENS SHIELD SURFACES.
INTERIOR WALLS:	1. NO SOUND INSULATION
ROOF:	1. R-25 POLYISOCYANURATE (4") 2 LAYERS W/ STAGGERED JOINTS. BOTTOM LAYER TO BE FIRESTONE RESISTA (1" MIN) FOR THERMAL BARRIER
FOUNDATION PERIMETER:	1. R-10 EXTRUDED RIGID INSULATION (2" THICK). SEE SPEC. CONTINUOUS FROM TOP OF FOOTING TO TOP OF FOUNDATION WALL.

AIR BARRIER

- TAPE JOINTS IN "TYVEK" BUILDING WRAP.
- AIR BARRIER AT KNEE WALL WITHIN TRUSS SPACE, BETWEEN STORE AND ATTIC IS 3" CLOSED CELL SPRAY FOAM OVER GYPSUM BOARD THERMAL BARRIER.
- SEAL ALL UTILITY PENETRATIONS.
- SEAL ALL WINDOW AND DOOR FRAMES.
- VAPOR BARRIER:
 - GYP. BD. WALLS AND SPRAY FOAM KNEE WALL PAINTED: HALMAN LINSAY 530-1 FOR PERM RATING OF 0.30
 - DENS SHIELD AT FREEZER AND COOLER WITH PERM RATING 1.5.
 - 4 MIL POLY AT ATTIC CEILING.
 - EXTEND "TYVEK" TO TOP OF WALL SHEATHING. SEE WALL SECTIONS.

FENESTRATION

ALUMINUM WINDOWS:	U = 0.40, SHGC: 0.49
ALUMINUM DOORS:	U = 0.67, SHGC: 0.35
H.M. INSULATED DOORS:	U = 0.44
ALUMINUM DOORS AND WINDOWS VALUES PER NFRC100 BY TUBELITE FOR T14000 WINDOWS AND NARROW STYLE DOORS.	

SYMBOL LEGEND

	MATCH LINE
	GRID LINE - FACE OF BRICK
	GRID LINE - FOUNDATION WALL
	GRID LINE - CENTER OF STEEL

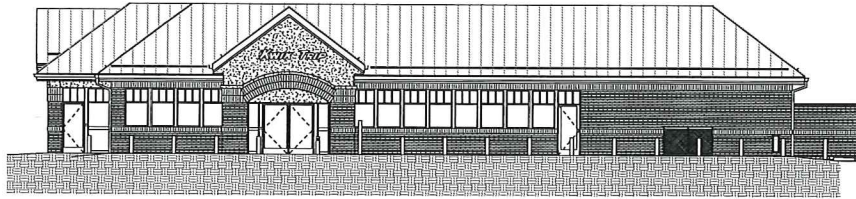
VANTAGE ARCHITECTS INC
750 N. Third Street • La Crosse, WI
(608) 784-2729 54601 Fax (608) 784-2826

KWIK TRIP STORES
KWIK STAR STORES

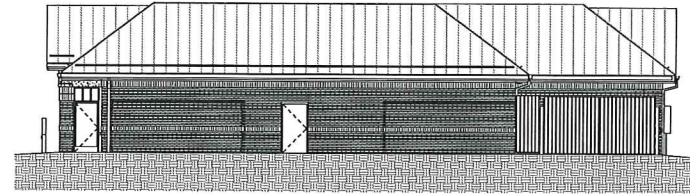
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DATE:	4/15/15
DRAWN BY:	Author
TYPE:	Permit
REVISIONS:	
NO.	DATE

SHEET TITLE
Overall Floor Plan & Thermal Envelope Insulation Values & Notes

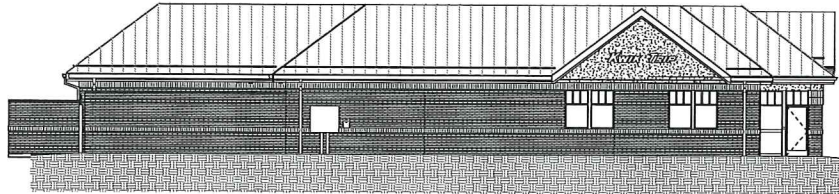
SHEET NO.
A000



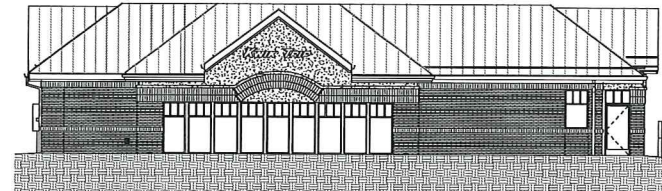
1 FRONT ELEVATION
1/8" = 1'-0"



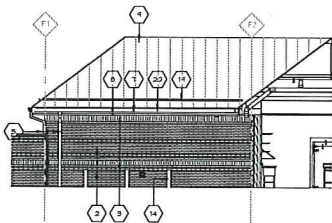
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1/8" = 1'-0"



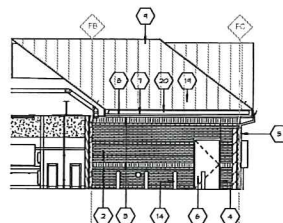
3 REAR ELEVATION
1/8" = 1'-0"



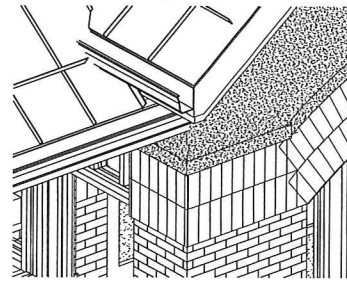
4 RIGHT ELEVATION
1/8" = 1'-0"



5 REAR INSIDE ENCLOSURE
1/8" = 1'-0"



6 LEFT INSIDE ENCLOSURE
1/8" = 1'-0"



7 VESTIBULE EAVE TO ROOF FLASHING DETAIL
1/8" = 1'-0"

ELEVATION KEYNOTES

NUMBER	DESCRIPTION
1	TRASH ENCLOSURE
2	MODULAR BRICK VENEER (RED)
3	VITRIFY BRICK SOLIDER COURSE (TAN)
4	BRICK CONTROL JOINT SEALANT COLOR TO MATCH BRICK COLOR
5	ALUMINUM DOWNSPOUT
6	HOLLOW METAL DOOR & FRAME PAINT
7	ALUMINUM FASCIA - ALMOND
8	ALUMINUM FASCIA - RED
9	PREFINISHED STANDING SEAM METAL ROOFING
10	GT CABINET AND ELECTRICAL METER RE. ELECT. PLANS
11	EPS. GORUM TAN
12	CAST ALUMINUM BRICK VENT - HORIZONTAL & BARRIARD ROSS, 8" X 2 1/4"
13	BURKENDY FIBR SHUT OFF, RECESS FLUSH W/ WALL
14	8" BOLLARD W/ 40' PLASTIC SLEEVE SEE SHEET A234
15	ALUMINUM STOREFRONT FRAMING W/ INFLATED GLAZING
16	ALUMINUM STOREFRONT ENTRANCE
17	ICE MERVADROBER
18	LF CASE
19	SNOW RETENTION BAR
20	PREFINISHED METAL GUTTER
21	BLUE ROOF BOLLARD, REFER TO SITE PLANS
22	PREFINISHED METAL WALL CAP
23	ALUMINUM STOREFRONT FRAMING W/ REGULAR SPANREL GLAZING
24	SPLASH BLOCK
25	PROVIDE LOCK BOLT FOR EACH LEAF

EXTERIOR COLOR SCHEDULE

MATERIAL	MANUFACTURER	COLOR
BOLLARDS		BLACK GLOSS
FASCIA	URA-CLAD	REGAL RED
GUTTERS & DOWNSPOUTS	24 GA	ALMOND
SOFFIT	URA-CLAD	WHITE
METAL ROOF	URA-CLAD	HEMLOCK GREEN
MORTAR		GREY
RED BRICK	SILOUX CITY	CABERNET BURGUNDY
ROOF CAP GAR WASH	URA-CLAD	HEMLOCK GREEN
TAN BRICK	SILOUX CITY	CLEAR BUFF
EPS	TOTAL WALL	MORNING MIST SWAL TEXTURE
TOTAL WALL TRASH ENCLOSURE CAP	URA-CLAD	HEMLOCK GREEN

EXTERIOR ELEVATION NOTES

- A. SEE FLOOR PLAN FOR WINDOW TYPE KEYS.
- B. CONTROL JOINT SEALANT TO MATCH VENEER COLOR.

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Kwik TRIP

STORES

Kwik STAR

STORES

JOB #: 108191
DATE: 4/15/15
DRAWN BY: ams
TYPE: Permit

REVISIONS

NO.	DATE

SHEET TITLE
Exterior Elevations

SHEET NO.
A200

NOTES:

1. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED. DIMENSIONS OF MATERIALS ARE TO BE AS SHOWN ON SHOP DRAWINGS.

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL AUTHORITIES.

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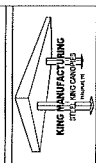
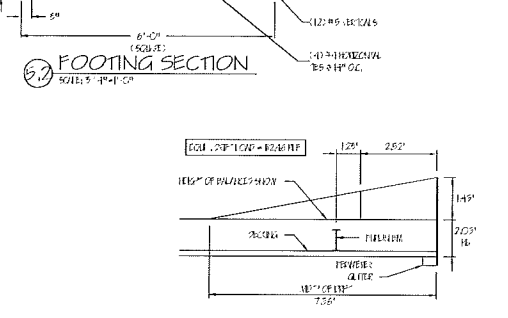
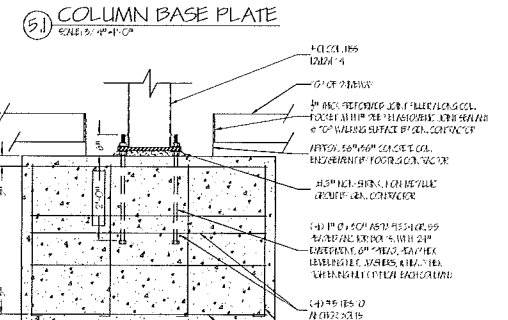
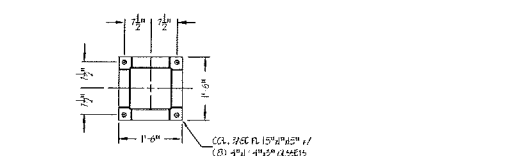
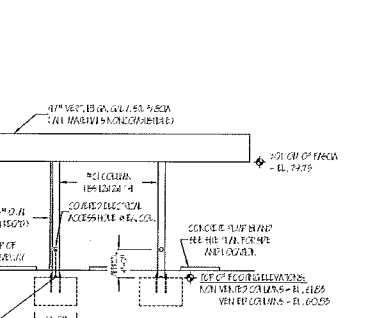
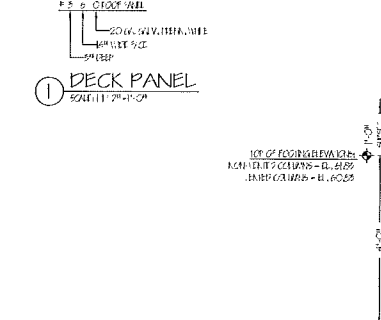
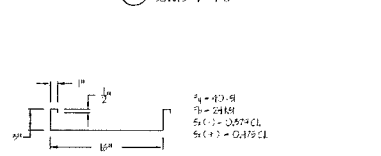
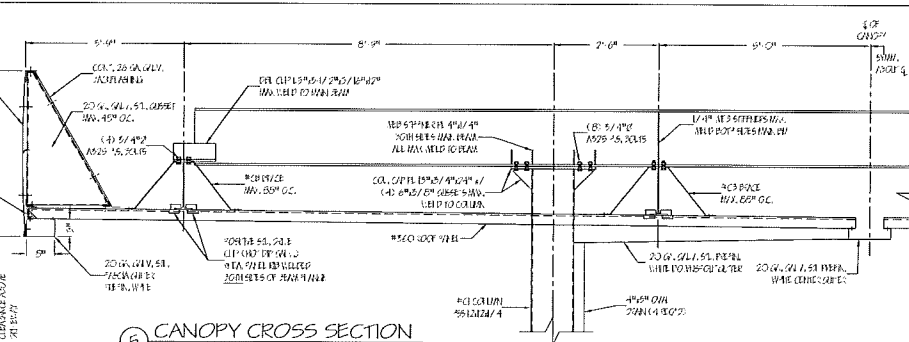


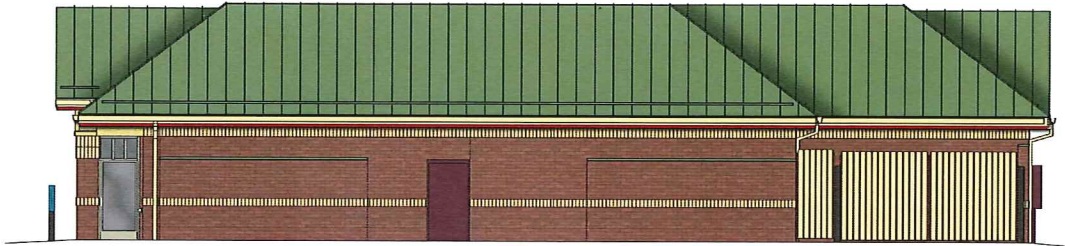
Table with 4 columns: Item, Description, Quantity, Unit. Includes items for steel, bolts, and other materials.

40' X 95' X 8' POST CANOPY
STRUCTURAL FRAMING, ELEVATIONS, DETAILS

NOTE: ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED. DIMENSIONS OF MATERIALS ARE TO BE AS SHOWN ON SHOP DRAWINGS.



1 FRONT ELEVATION
1/4" = 1'-0"

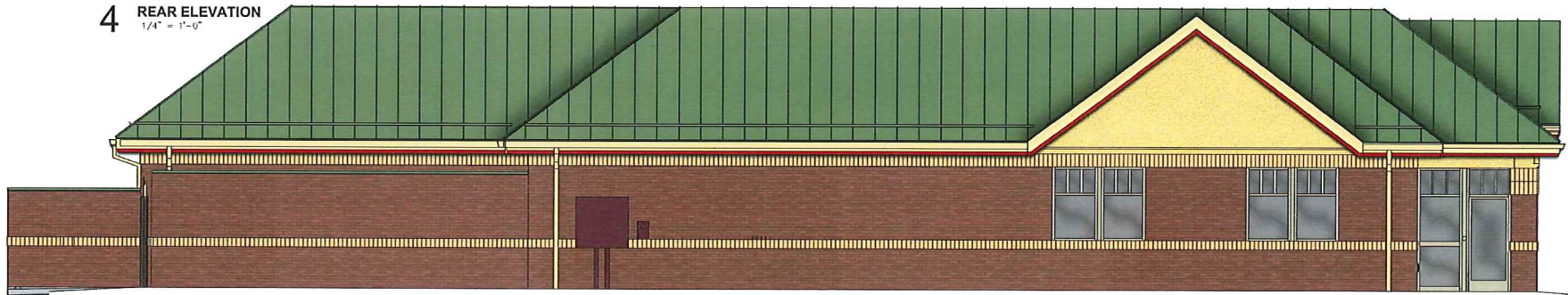


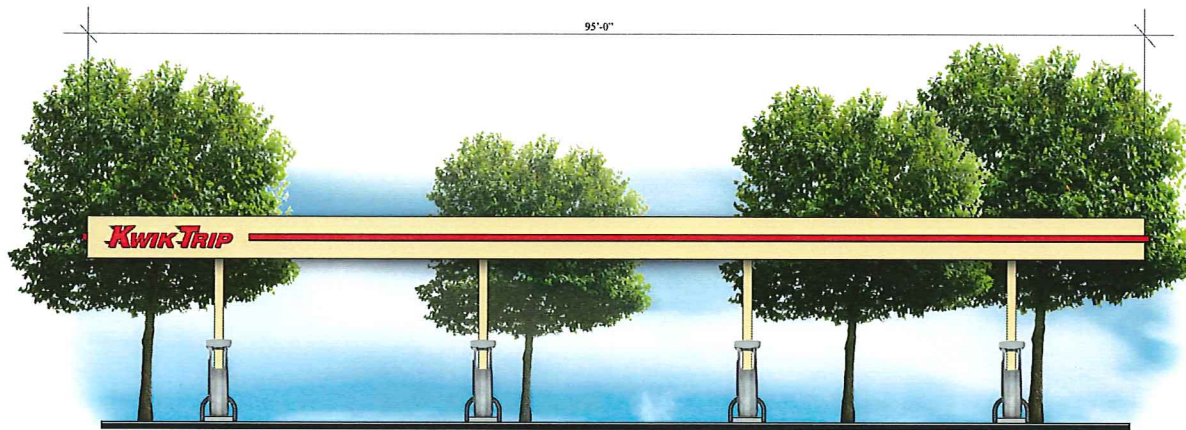
2 LEFT ELEVATION
3/16" = 1'-0"

3 RIGHT ELEVATION
3/16" = 1'-0"

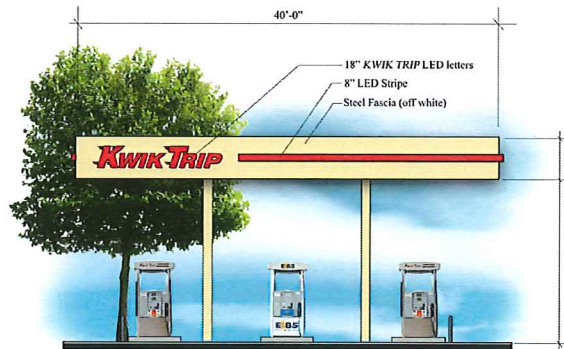


4 REAR ELEVATION
1/4" = 1'-0"





FRONT ELEVATION
3/16" = 1'-0"

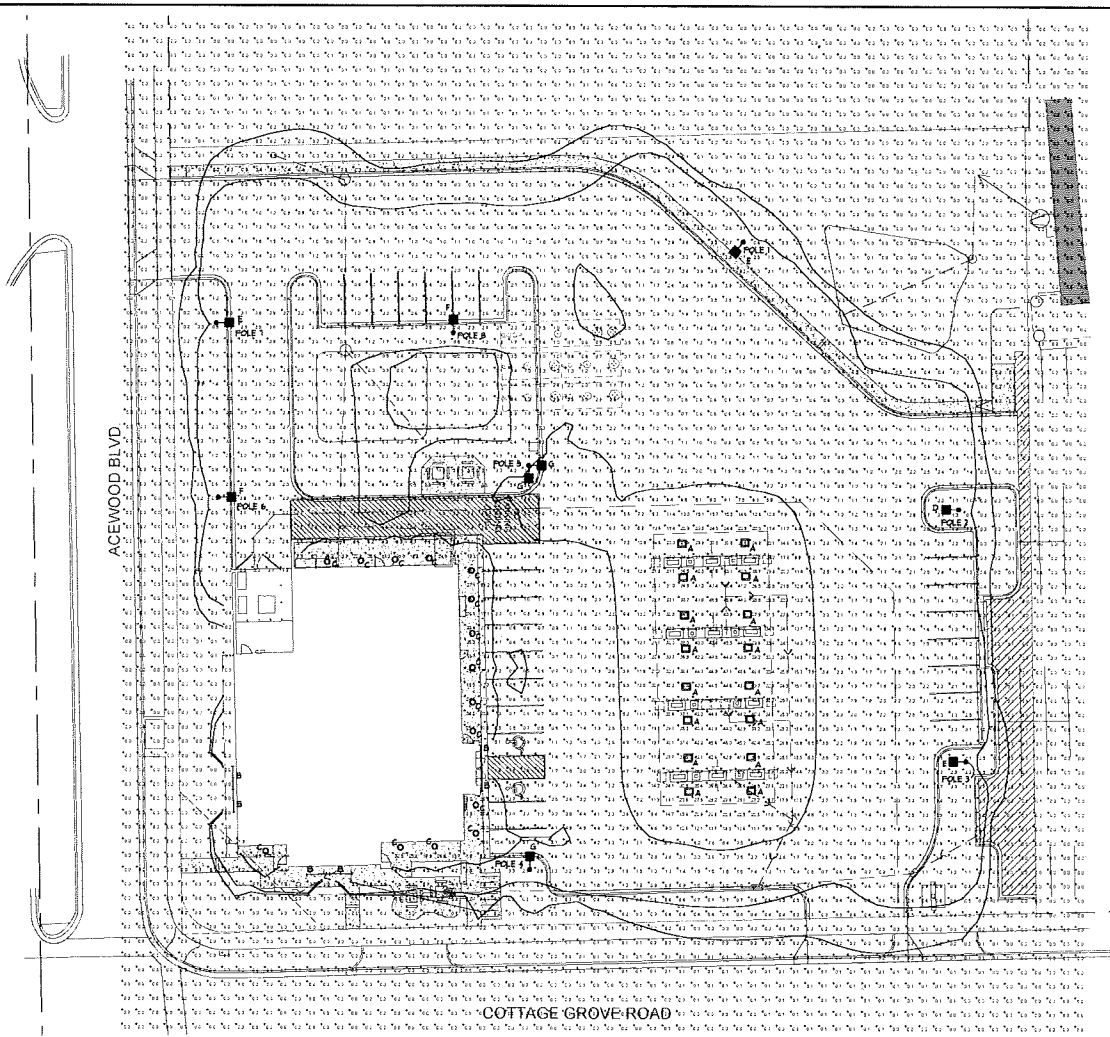


SIDE ELEVATION
3/16" = 1'-0"



Flat Canopy

8 MPD



NOTE:
FOOTCANDLE LEVELS MEASURED AT GROUND LEVEL.

FIXTURE QUANTITIES

- A 10
- B 8
- C 1
- D 1
- E 2
- F 3

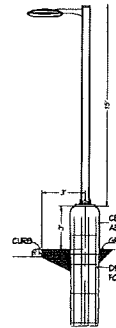
PROVIDE A TOTAL OF 18/17 POLES

FIXTURE SYMBOLS:

- A RECESSED LED LIGHT POINTED UNDER CANOPY
- B LED STRIP LIGHT
- C RECESSED LED DUAL LIGHT
- D POLE MOUNTED LED FIXTURE
- E, F, G POLE MOUNTED LED FIXTURE

FIXTURE TYPES:

- A - CREE LIGHTING CAN-364-SL-105-85-E-UL-104-100
- B - LED STRIP LIGHT
LITONIA - ZLS15W-1-DM40
POINTED IN GABLE. SEE ARCHITECTURAL ELEVATIONS
- C - RECESSED LED DUAL LIGHT
GOTTMAN E-10-4125-BAR-09-TBU
- D - CREE LIGHTING ARE-EDG-3PB-DA-68-E-UL-104-350
POLE MOUNTED AT A TOTAL HEIGHT OF 18'-0"
- E - CREE LIGHTING ARE-EDG-3PB-DA-68-E-UL-104-350
POLE MOUNTED AT A TOTAL HEIGHT OF 18'-0"
- F - CREE LIGHTING ARE-EDG-4PB-DA-68-E-UL-104-350
POLE MOUNTED AT A TOTAL HEIGHT OF 18'-0"
- G - CREE LIGHTING ARE-EDG-4PB-DA-68-E-UL-104-350
POLE MOUNTED AT A TOTAL HEIGHT OF 18'-0"



LOT LIGHT ELEVATION DETAIL
NOT TO SCALE

PHOTOMETRIC SITE PLAN
SCALE: 1" = 20'-0"

STATISTICS						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
PARKING	X	206	586	654	1161	451

CZARNECKI ENGINEERING INCORPORATED
15 PAUL & DORIS BLDG. - WATKINS, WI 53086
VOICE: (608) 781-8988 FAX: (608) 781-8987
WWW.CZARNECKI.COM

KWIK TRIP

STORES

KWIK STAR

STORES

KWIK TRIP, Inc.
P.O. BOX 2107
1628 OAK STREET
LA CROSSE, WI 54602-2107
PH. (608) 781-8988
FAX (608) 781-8986

PHOTOMETRIC SITE PLAN
CONVENIENCE STORE #155
4602 COTTAGE GROVE ROAD
MADISON, WISCONSIN 53718

#	DATE	DESCRIPTION

DRAWN BY: CZE
SCALE: GRAPHIC
PROJECT NO:
DATE: 2016-02-03
SHEET: E1

DRAWN BY	CZB
SCALE	GRAPHIC
PROJECT NO.	---
DATE	2016.02.03
SHEET	E1A

PHOTOMETRIC SITE PLAN
CONVENIENCE STORE #155
4802 COTTAGE GROVE ROAD
MADISON, WISCONSIN 53718

KWIK TRIP, Inc.
P.O. BOX 2107
1808 OAK STREET
LA CROSSE, WI 54602-2107
PH. (608) 781-8988
FAX (608) 781-8980

STOR**KWIK** TRIP STORES
STOR**KWIK** TRIP STORES



NOTE:
FOOTCANDLES 12" x 18" REARMED AT 4.00V/L
GROUND LEVEL.
FURNITURE SYMBOLS:
■ RECESSED LED LIGHT POINTED UNDER CANYON
○ LED STRIP LIGHT
○ RECESSED LED POINT LIGHT
■ POLE MOUNTED LED POINT LIGHT
DEF 16

PHOTOMETRIC SITE PLAN - LIGHT LEVELS AT 4' ABOVE GROUND
SCALE: 1" = 20'-0"

