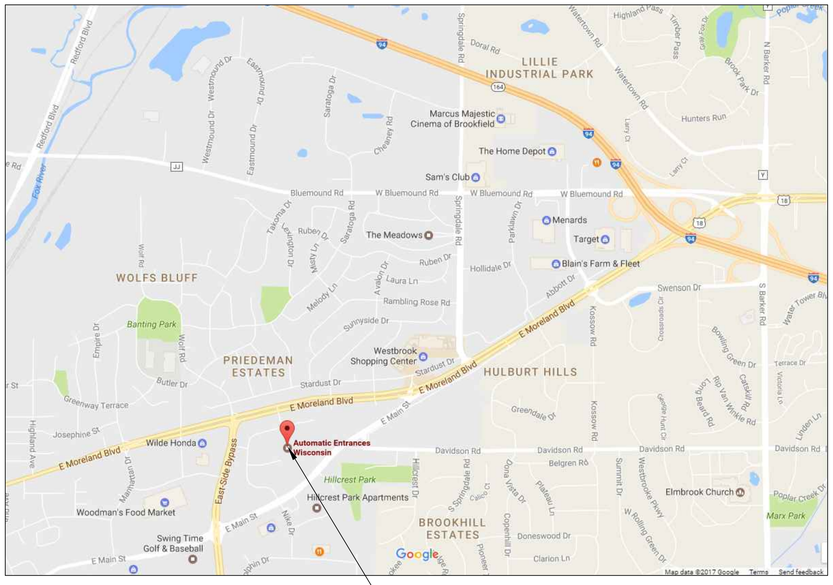
SITE CONSTRUCTION PLANS
FOR
AUTOMATIC ENTRANCES OF WISCONSIN PARKING LOT ADDITION
CITY OF WAUKESHA, WISCONSIN

OWNER/DEVELOPER:
ED LENTZ
DIRECTOR OF OPERATIONS
1712 PARAMOUNT COURT
WAUKESHA, WI 53186
PHONE: 262-549-8600 EXT. 119

ENGINEER:
PAYNE & DOLAN
W6380 DESIGN DRIVE
GREENVILLE, WI 54942

P&D PROJECT: #490083
CONTACT: COLIN MEISEL, PE
PHONE: 920-757-7546
FAX: 920-757-2906



PROJECT LOCATION

PLAN INDEX

SHEET NO.	DESCRIPTION
C-0	COVER SHEET
C-1	TOPOGRAPHIC SURVEY
C-2	SITE PLAN
C-3	GRADING, PAVING AND EROSION CONTROL PLAN
C-4	CONSTRUCTION DETAILS
C-5	SPECIFICATIONS AND NOTES

BENCHMARK:
#1: TAG (FLAG) ON FIRE HYDRANT, ELEVATION = 930.65

NOTE: COORDINATES REFERENCED TO CITY DATUM

PAYNE & DOLAN
INCORPORATED
W6380 Design Drive | Greenville, Wisconsin 54942
TEL 920.757.7550 | FAX 920.757.2906
www.paynedolan.com

AUTOMATIC ENTRANCES OF WISCONSIN

1712 PARAMOUNT COURT
WAUKESHA, WI 53186

CLIENT

NOT FOR CONSTRUCTION

PARKING LOT ADDITION

COLIN MEISEL PE #41512

ADMINISTRATION	
DATE:	02/13/2017
ENGINEER:	JSL
DRAWN BY:	JSL
CHECKED BY:	CLM
SCALE:	N/A

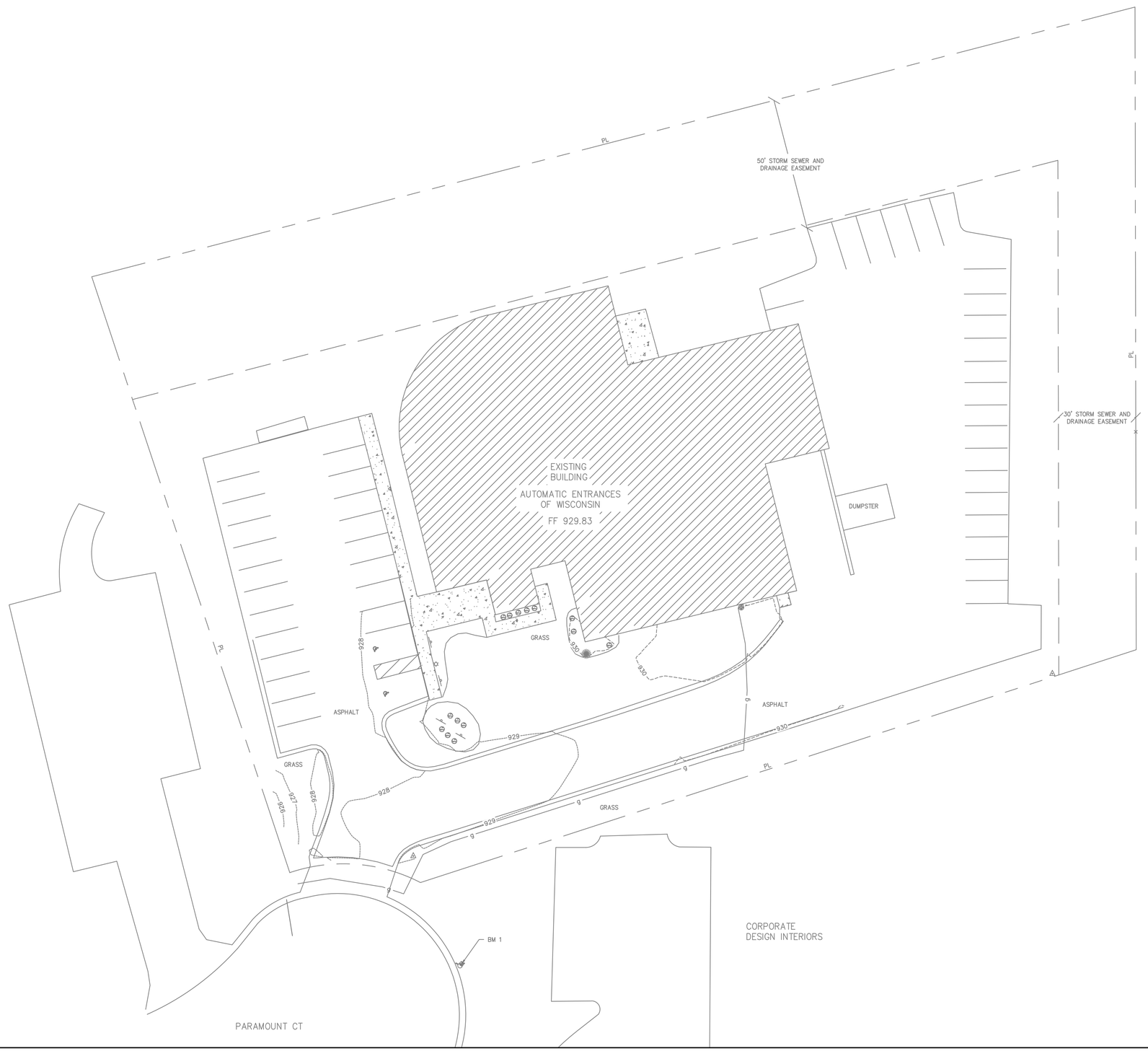
REVISION SCHEDULE

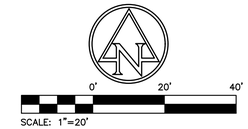
NO.	DESCRIPTION	DATE
1	PRELIMINARY SITE PLAN	02/13/2017

PROJECT NUMBER 490083

COVER SHEET

C-0





LEGEND

EXISTING

- UTILITY POLE
- LIGHT POLE
- CATCH BASIN
- MANHOLE
- VENT
- SIGN
- SURVEY CONTROL POINT
- BENCHMARK
- HYDRANT
- g — UNDERGROUND GAS
- w — UNDERGROUND WATER
- PROPERTY LINE

DIGGERS HOTLINE
Toll Free (800) 242-8511
Milwaukee Area (414) 259-1181
Hearing Impaired TDD (800) 542-2289
www.DiggersHotline.com

THE LOCATIONS OF EXISTING UTILITY INSTALLATIONS AS SHOWN ON THIS PLAN ARE APPROXIMATE. THERE MAY BE OTHER UNDERGROUND UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN. CONTRACTORS SHALL MAKE THEIR OWN DETERMINATION AND VERIFY THE THE LOCATION OF UNDERGROUND UTILITIES.

THE CLIENT AND OR OTHER RECIPIENTS AGREE TO THE FULLEST EXTENT PERMITTED BY LAW TO INDEMNIFY AND HOLD PAYNE AND DOLAN HARMLESS FOR ANY REUSE OF OR FROM CHANGES MADE TO THE ORIGINAL DRAWING OR DATA WITHOUT PRIOR WRITTEN CONSENT BY PAYNE AND DOLAN.

PAYNE & DOLAN
INCORPORATED
W6380 Design Drive | Greenville, Wisconsin 54942
TEL 920.757.7550 | FAX 920.757.2906
www.paynedolan.com

AUTOMATIC ENTRANCES OF WISCONSIN

1712 PARAMOUNT COURT
WAUKESHA, WI 53186

CLIENT

NOT FOR CONSTRUCTION

PARKING LOT ADDITION

COLIN MEISEL PE #41512

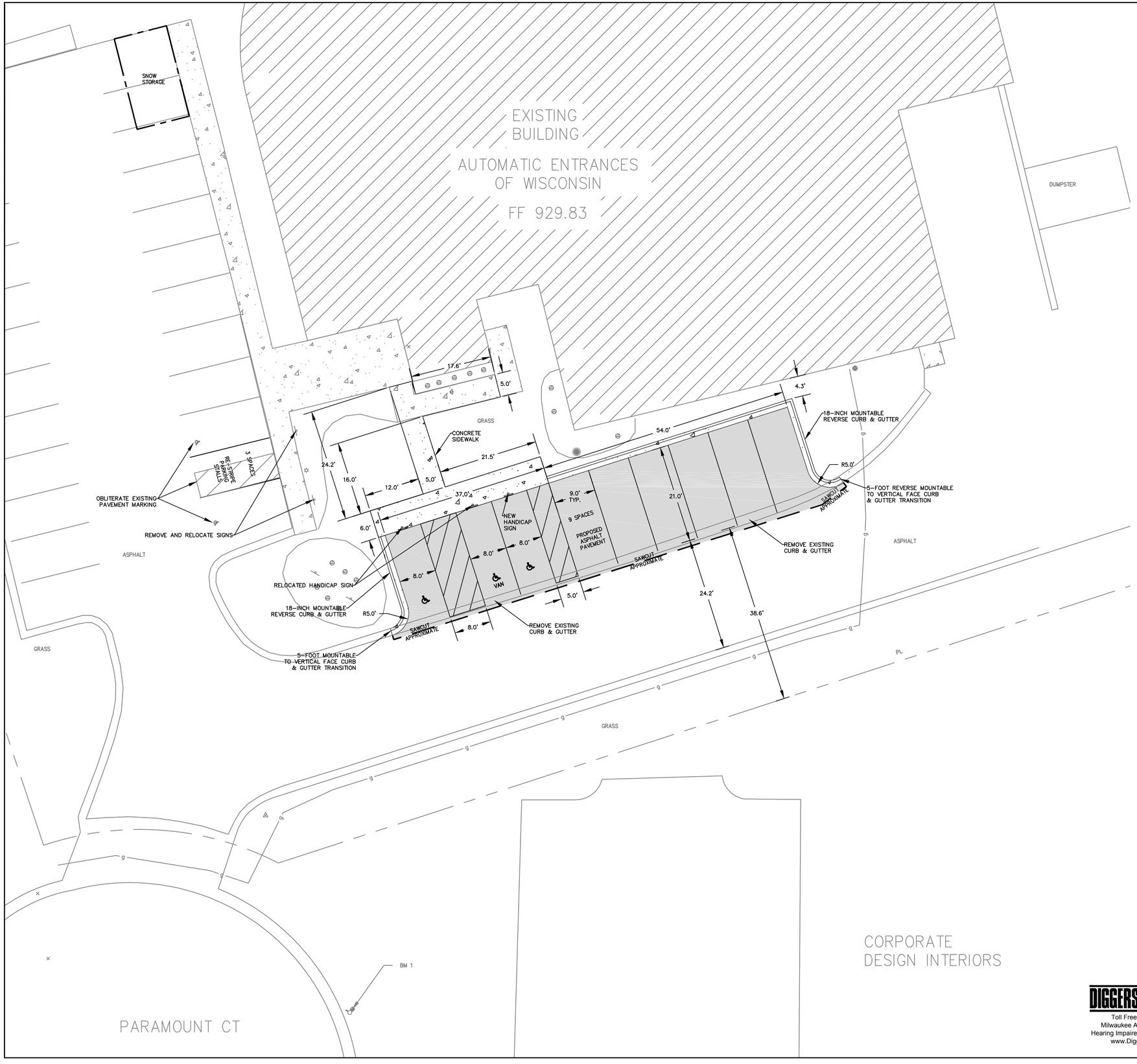
ADMINISTRATION	
DATE:	02/13/2017
ENGINEER:	JSL
DRAWN BY:	JSL
CHECKED BY:	CLM
SCALE:	1"=20'

REVISION SCHEDULE		
NO.	DESCRIPTION	DATE
1	PRELIMINARY SITE PLAN	02/13/2017

PROJECT NUMBER 490083

TOPOGRAPHIC SURVEY

C-1



SCALE: 1"=10'

LEGEND

EXISTING

- UTILITY POLE
- LIGHT POLE
- CATCH BASIN
- MANHOLE
- VENT
- SIGN
- SURVEY CONTROL POINT
- BENCHMARK
- HYDRANT
- g — UNDERGROUND GAS
- w — UNDERGROUND WATER
- PROPERTY LINE

PROPOSED

- PROPOSED SIGN POST
- PROPOSED ASPHALT PAVEMENT
- PROPSOED CONCRETE
- SAWCUT

ZONING
M-3 LIMITED BUSINESS AND INDUSTRIAL PARK

AREA = 2.16 ACRES
PROPOSED IMPERVIOUS AREA = 0.06 ACRES
EXISTING IMPERVIOUS AREA = 1.07 ACRES
TOTAL IMPERVIOUS AREA = 1.13 ACRES
TOTAL PERCENT IMPERVIOUS AREA = 52.31%

PROPOSED PARKING STALLS = 10 SPACES (1 HANDICAP)
EXISTING PARKING STALLS = 51 SPACES (2 HANDICAP)
TOTAL PARKING STALLS = 61 SPACES (3 HANDICAP)

PARCEL ID WAKC1007037

NOTES:
- REMOVE AND SALVAGE HANDICAP SIGNS. RELOCATE AS INDICATED ON SITE PLAN.

DIGGERS HOTLINE
Toll Free (800) 242-8511
Milwaukee Area (414) 259-1181
Hearing Impaired TDD (800) 542-2289
www.DiggersHotline.com

THE LOCATIONS OF EXISTING UTILITY INSTALLATIONS AS SHOWN ON THIS PLAN ARE APPROXIMATE. THERE MAY BE OTHER UNDERGROUND UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN. CONTRACTORS SHALL MAKE THEIR OWN DETERMINATION AND VERIFY THE THE LOCATION OF UNDERGROUND UTILITIES.

THE CLIENT AND OR OTHER RECIPIENTS AGREE TO THE FULLEST EXTENT PERMITTED BY LAW TO INDEMNIFY AND HOLD PAYNE AND DOLAN HARMLESS FOR ANY REUSE OF OR FROM CHANGES MADE TO THE ORIGINAL DRAWING OR DATA WITHOUT PRIOR WRITTEN CONSENT BY PAYNE AND DOLAN.

PAYNE & DOLAN
INCORPORATED
W6380 Design Drive | Greenville, Wisconsin 54942
TEL 920.757.7550 | FAX 920.757.2906
www.paynedolan.com

AUTOMATIC ENTRANCES OF WISCONSIN

1712 PARAMOUNT COURT
WAUKESHA, WI 53186

CLIENT

NOT FOR CONSTRUCTION

PARKING LOT ADDITION

COLIN MEISEL PE #41512

ADMINISTRATION	
DATE:	02/13/2017
ENGINEER:	JSL
DRAWN BY:	JSL
CHECKED BY:	CLM
SCALE:	1"=10'

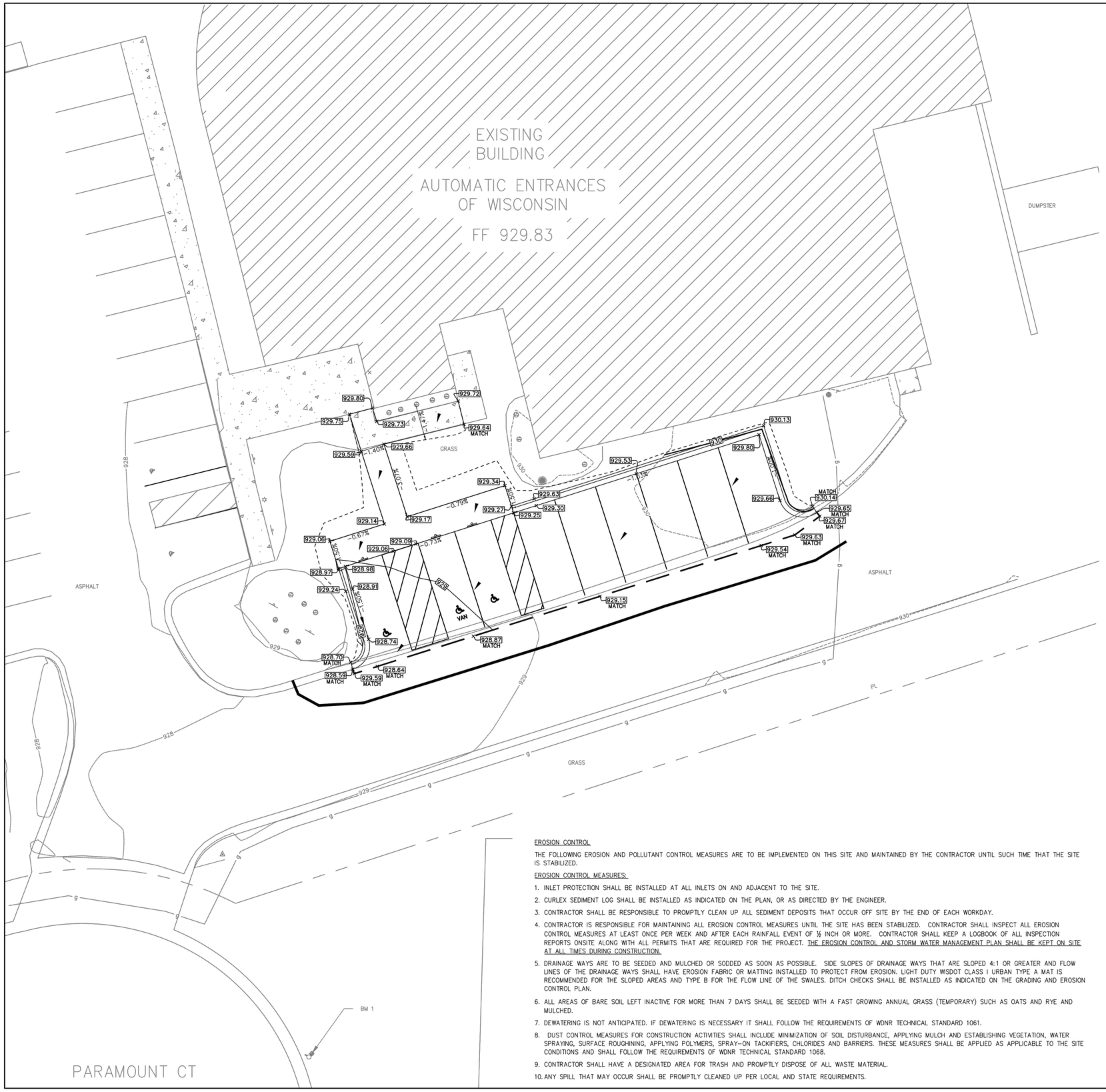
REVISION SCHEDULE

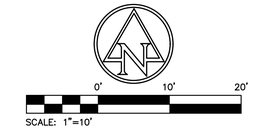
NO.	DESCRIPTION	DATE
1	PRELIMINARY SITE PLAN	02/13/2017

PROJECT NUMBER 490083

SITE PLAN

C-2





LEGEND

- EXISTING 1 FOOT CONTOUR
- 930 — EXISTING 5 FOOT CONTOUR
- 931 — PROPOSED 1 FOOT CONTOUR
- 930 — PROPOSED 5 FOOT CONTOUR
- XXX.XX — CURB FLANGE, PAVEMENT OR SURFACE GRADE
- DRAINAGE FLOW DIRECTION ARROW
- PROPOSED SIGN
- CURLEX SEDIMENT LOG
- SLOPE INTERCEPT

NOTES

- SPOT GRADES ARE AT CURB FLANGE, EDGE OF PAVEMENT OR TOP FINISHED GRADE UNLESS OTHERWISE NOTED.

EROSION CONTROL

THE FOLLOWING EROSION AND POLLUTANT CONTROL MEASURES ARE TO BE IMPLEMENTED ON THIS SITE AND MAINTAINED BY THE CONTRACTOR UNTIL SUCH TIME THAT THE SITE IS STABILIZED.

EROSION CONTROL MEASURES:

1. INLET PROTECTION SHALL BE INSTALLED AT ALL INLETS ON AND ADJACENT TO THE SITE.
2. CURLEX SEDIMENT LOG SHALL BE INSTALLED AS INDICATED ON THE PLAN, OR AS DIRECTED BY THE ENGINEER.
3. CONTRACTOR SHALL BE RESPONSIBLE TO PROMPTLY CLEAN UP ALL SEDIMENT DEPOSITS THAT OCCUR OFF SITE BY THE END OF EACH WORKDAY.
4. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL EROSION CONTROL MEASURES UNTIL THE SITE HAS BEEN STABILIZED. CONTRACTOR SHALL INSPECT ALL EROSION CONTROL MEASURES AT LEAST ONCE PER WEEK AND AFTER EACH RAINFALL EVENT OF ½ INCH OR MORE. CONTRACTOR SHALL KEEP A LOGBOOK OF ALL INSPECTION REPORTS ONSITE ALONG WITH ALL PERMITS THAT ARE REQUIRED FOR THE PROJECT. THE EROSION CONTROL AND STORM WATER MANAGEMENT PLAN SHALL BE KEPT ON SITE AT ALL TIMES DURING CONSTRUCTION.
5. DRAINAGE WAYS ARE TO BE SEEDED AND MULCHED OR SODDED AS SOON AS POSSIBLE. SIDE SLOPES OF DRAINAGE WAYS THAT ARE SLOPED 4:1 OR GREATER AND FLOW LINES OF THE DRAINAGE WAYS SHALL HAVE EROSION FABRIC OR MATTING INSTALLED TO PROTECT FROM EROSION. LIGHT DUTY WISDOT CLASS I URBAN TYPE A MAT IS RECOMMENDED FOR THE SLOPED AREAS AND TYPE B FOR THE FLOW LINE OF THE SWALES. DITCH CHECKS SHALL BE INSTALLED AS INDICATED ON THE GRADING AND EROSION CONTROL PLAN.
6. ALL AREAS OF BARE SOIL LEFT INACTIVE FOR MORE THAN 7 DAYS SHALL BE SEEDED WITH A FAST GROWING ANNUAL GRASS (TEMPORARY) SUCH AS OATS AND RYE AND MULCHED.
7. DEWATERING IS NOT ANTICIPATED. IF DEWATERING IS NECESSARY IT SHALL FOLLOW THE REQUIREMENTS OF WDNR TECHNICAL STANDARD 1061.
8. DUST CONTROL MEASURES FOR CONSTRUCTION ACTIVITIES SHALL INCLUDE MINIMIZATION OF SOIL DISTURBANCE, APPLYING MULCH AND ESTABLISHING VEGETATION, WATER SPRAYING, SURFACE ROUGHINING, APPLYING POLYMERS, SPRAY-ON TACKIFIERS, CHLORIDES AND BARRIERS. THESE MEASURES SHALL BE APPLIED AS APPLICABLE TO THE SITE CONDITIONS AND SHALL FOLLOW THE REQUIREMENTS OF WDNR TECHNICAL STANDARD 1068.
9. CONTRACTOR SHALL HAVE A DESIGNATED AREA FOR TRASH AND PROMPTLY DISPOSE OF ALL WASTE MATERIAL.
10. ANY SPILL THAT MAY OCCUR SHALL BE PROMPTLY CLEANED UP PER LOCAL AND STATE REQUIREMENTS.

WRITTEN STATEMENT AND CONSTRUCTION SEQUENCE

AUTOMATIC ENTRANCES OF WISCONSIN, LOCATED AT 1712 PARAMOUNT COURT IN CITY OF WAUKESHA, IS CONSTRUCTING NINE (9) ADDITIONAL PARKING STALLS SOUTH OF THE EXISTING BUILDING. THE SITE IMPROVEMENTS WILL INCLUDED GRADING AND PAVING. THE PROJECT IS BEING BUILT IN ONE PHASE.

EARTHWORK FOR THIS PROJECT WILL CONSIST OF RE-GRADING THE SITE IN PREPARATION FOR THE PARKING LOT PAVING. EXCESS MATERIAL WILL BE REMOVED AND DISPOSED OF OFF-SITE IF NECESSARY.

ESTIMATED CONSTRUCTION TIMEFRAMES:

INSTALL EROSION CONTROL MEASURES = SPRING 2017

GRADING AND PAVING = SUMMER 2017

LANDSCAPING AND FINAL RESTORATION = SUMMER 2017

THE INTENDED SEQUENCES OF SITE CONSTRUCTION ACTIVITIES ARE AS FOLLOWS:

1. INSTALL EROSION CONTROL MEASURES AS INDICATED ON THE GRADING AND EROSION CONTROL PLAN AND IN ACCORDANCE WITH THE REQUIREMENTS OF WNDR CONSERVATION PRACTICE STANDARDS.
2. REMOVE EXISTING CONCRETE AND CURB AND GUTTER.
3. EXCAVATE AND REGRADE.
4. BASE AGGREGATE DENSE.
5. PLACE CONCRETE AND CURB AND GUTTER.
6. PLACE ASPHALT.
7. INSTALL RESTORATION.
8. WHEN THE SITE VEGETATION HAS BEEN ESTABLISHED AND THE POTENTIAL OF EROSION IS STABILIZED, THE TEMPORARY EROSION CONTROL MEASURE WILL BE REMOVED.

CONSTRUCTION ACTIVITY DATES ARE APPROXIMATE AND MAY CHANGE DUE TO WEATHER OR OTHER UNFORESEEN REASONS.

NO PERMANENT INFILTRATION FACILITIES ARE PRESENT AND NO INFILTRATION DEVICES WILL BE EMPLOYED AS PART OF THIS PROJECT. THIS SITE DRAINS TO THE CITY OF WAUKESHA SEWER SYSTEM.

DIGGERS HOTLINE

Toll Free (800) 242-8511
Milwaukee Area (414) 259-1181
Hearing Impaired TDD (800) 542-2289
www.DiggersHotline.com

THE LOCATIONS OF EXISTING UTILITY INSTALLATIONS AS SHOWN ON THIS PLAN ARE APPROXIMATE. THERE MAY BE OTHER UNDERGROUND UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN. CONTRACTORS SHALL MAKE THEIR OWN DETERMINATION AND VERIFY THE THE LOCATION OF UNDERGROUND UTILITIES.

THE CLIENT AND OR OTHER RECIPIENTS AGREE TO THE FULLEST EXTENT PERMITTED BY LAW TO INDEMNIFY AND HOLD PAYNE AND DOLAN HARMLESS FOR ANY REUSE OF OR FROM CHANGES MADE TO THE ORIGINAL DRAWING OR DATA WITHOUT PRIOR WRITTEN CONSENT BY PAYNE AND DOLAN.

PAYNE & DOLAN
INCORPORATED
W6380 Design Drive | Greenville, Wisconsin 54942
TEL 920.757.7550 | FAX 920.757.2906
www.paynedolan.com

AUTOMATIC ENTRANCES OF WISCONSIN

1712 PARAMOUNT COURT
WAUKESHA, WI 53186

CLIENT

NOT FOR CONSTRUCTION

PARKING LOT ADDITION

COLIN MEISEL PE #41512

ADMINISTRATION	
DATE:	02/13/2017
ENGINEER:	JSL
DRAWN BY:	JSL
CHECKED BY:	CLM
SCALE:	1"=10'

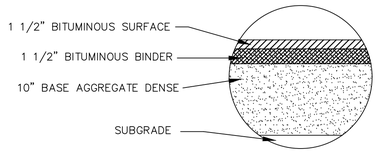
REVISION SCHEDULE		
NO.	DESCRIPTION	DATE
1	PRELIMINARY SITE PLAN	02/13/2017

PROJECT NUMBER 490083

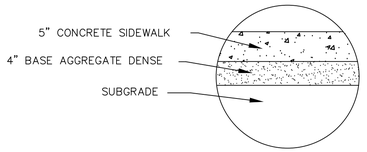
GRADING, PAVING AND EROSION CONTROL PLAN

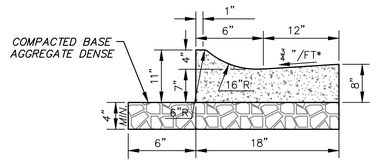
C-3

BITUMINOUS PAVEMENT DETAIL



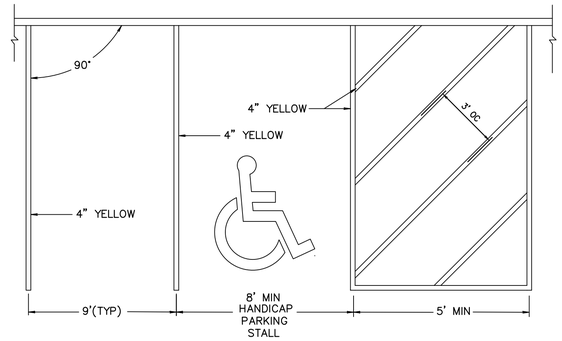
SIDEWALK PAVEMENT DETAIL



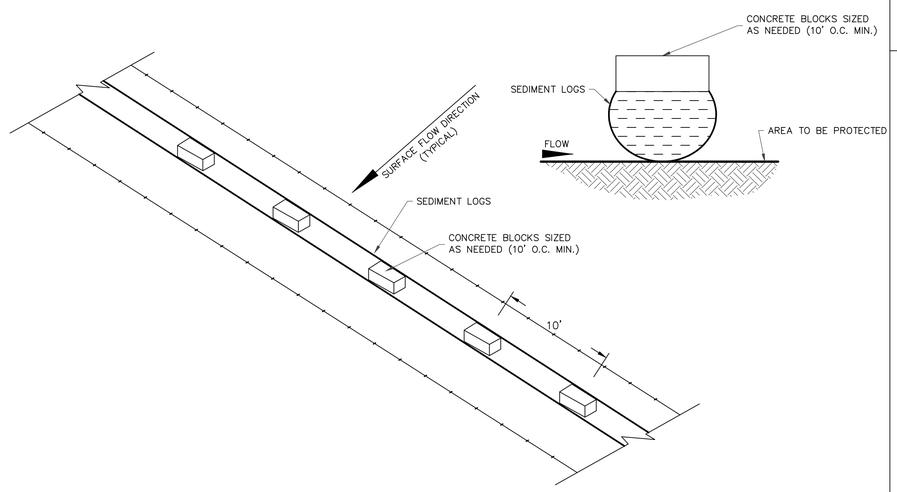


*FOR REVERSE SLOPE CURB SLOPE TO MATCH PAVEMENT

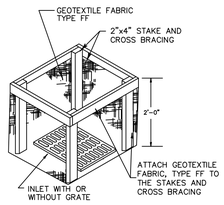
STANDARD MOUNTABLE CURBS



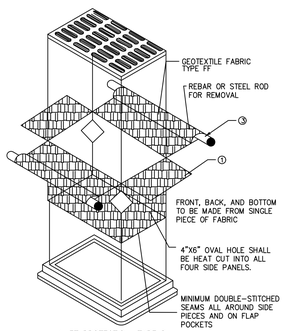
STALL STRIPING DETAIL



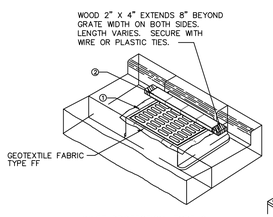
CURLEX SEDIMENT LOG OR EQUIVALANT



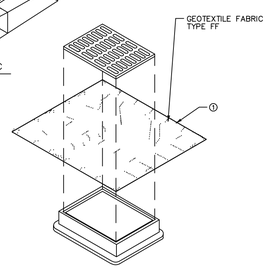
INLET PROTECTION, TYPE A



INLET PROTECTION, TYPE D
(CAN BE INSTALLED ON ANY INLET TYPE WITH OR WITHOUT A CURB BOX AS PER NOTE 2)



INLET PROTECTION, TYPE C



INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)
(CAN BE INSTALLED ON ANY INLET WITHOUT A CURB BOX)

GENERAL NOTES:
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.

① FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.

② 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.

③ FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2x4.

INSTALLATION NOTES
TYPE B & C NOTES:
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.

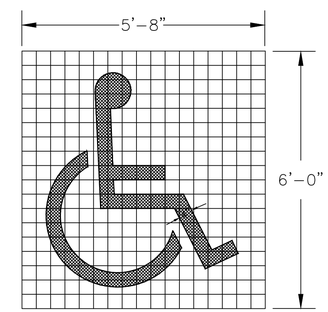
TYPE D NOTES :
DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF GRATE.

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" 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 CINCH 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.

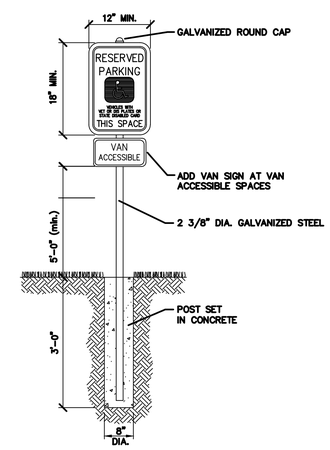
INLET PROTECTION DETAILS

4"x4" GRID FOR LAYOUT PURPOSES ONLY



FOR ALL ACCESSIBLE AND VAN ACCESSIBLE SPACES

HANDICAP DETAIL



HANDICAP SIGN POST INSTALLATION DETAIL

NO SCALE

PAYNE & DOLAN
INCORPORATED
W6380 Design Drive | Greenville, Wisconsin 54942
TEL 920.757.7550 | FAX 920.757.2906
www.paynedolan.com

AUTOMATIC ENTRANCES OF WISCONSIN

1712 PARAMOUNT COURT
WAUKESHA, WI 53186

CLIENT

NOT FOR CONSTRUCTION

PARKING LOT ADDITION

COLIN MEISEL PE #41512

ADMINISTRATION	
DATE:	02/13/2017
ENGINEER:	JSL
DRAWN BY:	JSL
CHECKED BY:	CLM
SCALE:	N/A

REVISION SCHEDULE		
NO.	DESCRIPTION	DATE
1	PRELIMINARY SITE PLAN	02/13/2017

PROJECT NUMBER 490083

CONSTRUCTION DETAILS

C-4

GENERAL

1. THE CONTRACTOR SHALL COORDINATE ACCESS WITH AUTOMATIC ENTRANCES OF WISCONSIN AND SHALL PROVIDE ACCESS TO THE BUSINESS DURING THEIR NORMAL OPERATING HOURS.
2. THE LOCATION OF ALL STRUCTURES, OBSTACLES AND EXISTING FACILITIES SHALL NOT BE TAKEN AS CONCLUSIVE. IT SHALL BE ASSUMED THAT THE CONTRACTOR HAS VERIFIED SAID LOCATIONS AS A CONDITION OF HIS BID AND THEREFORE THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGES RESULTING FROM HIS ACTIVITIES.
3. THE CONTRACTOR'S STAGING AND MATERIAL STORAGE AREAS MUST BE COORDINATED WITH THE OWNER. ALL SUCH AREAS AND CONSTRUCTION METHODS MUST BE DONE IN A MANNER AS TO AVOID INTERFERENCE WITH THE OWNERS OPERATIONS.
4. ALL ELEVATIONS ARE REFERENCED TO THE CITY COORDINATE SYSTEM/LOCAL DATUM.
5. ALL CONTRACTORS SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS NECESSARY TO CARRY OUT THEIR WORK.
6. ALL STAKES NECESSARY FOR THE CONTRACTOR TO DETERMINE LOCATION AND/OR GRADES FOR ANY SECTION OF THE WORK HEREIN DESCRIBED SHALL BE SET BY THE CONTRACTOR.
7. THE CONTRACTOR SHALL SUBMIT FOR APPROVAL BY THE OWNER/ENGINEER A LIST OF ALL MATERIALS PROPOSED TO BE USED PRIOR TO ORDERING OR DELIVERY.
8. MATERIAL TESTS CONDUCTED BY ANY INDEPENDENT TESTING LAB MAY BE ORDERED BY THE OWNER. IF SUCH TESTING IS ORDERED, THE CONTRACTOR SHALL FURNISH THE SAMPLES AND THE COST OF TESTING SHALL BE PAID BY THE OWNER. RETESTING OF ANY FAILING TESTS SHALL BE COMPLETED AT THE CONTRACTOR'S EXPENSE.
9. ALL CONTRACTORS SHALL HAVE A COMPETENT FOREMAN, SUPERINTENDENT, OR OTHER REPRESENTATIVE AT THE SITE AT ALL TIMES WHO HAS AUTHORITY TO ACT FOR THE CONTRACTOR.
10. ALL ROAD AND PAVING CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE WISCONSIN DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION (LATEST EDITION) HEREIN REFERRED TO AS THE STANDARD SPECIFICATIONS, EXCEPT AS MODIFIED HEREIN.
11. WHERE SPECIFIC PORTIONS OF THESE SPECIFICATIONS ARE IN CONFLICT WITH THE STANDARD SPECIFICATIONS, THESE SPECIFICATIONS SHALL GOVERN.
12. A PRE CONSTRUCTION CONFERENCE MAY BE HELD PRIOR TO CONSTRUCTION START UP.
13. CONTRACTORS SHALL BE RESPONSIBLE FOR ADEQUATELY BARRICADING AREAS OF CONSTRUCTION AS MAY BE REQUIRED TO PROTECT AGAINST PERSONAL INJURY AS WELL AS WARN TRAFFIC OF THE CONSTRUCTION SITE WHERE NECESSARY.
14. THE CONTRACTOR SHALL PROTECT EXISTING WALKS, PAVEMENT, CURBS, WALLS, FENCES, SIGNS, GATES, TURNSTILES, LANDSCAPING AND TREES TO REMAIN DURING CONSTRUCTION.
15. EXISTING UTILITIES SHOW ON THE PLAN ARE APPROXIMATE AND HAVE BEEN OBTAINED FROM AVAILABLE RESOURCES OR FIELD LOCATED. THERE MAY BE OTHER EXISTING UTILITIES THAT ARE NOT SHOWN ON THE PLAN. THE CONTRACTOR SHALL TAKE CARE TO VERIFY THE LOCATION OF EXISTING UTILITIES.

UTILITY NOTES

1. CONTRACTOR MUST TAKE PARTICULAR CARE WHEN EXCAVATING IN AND AROUND EXISTING UTILITY LINES AND EQUIPMENT. VERIFY COVER REQUIREMENTS BY UTILITY CONTRACTORS AND/OR UTILITY COMPANIES SO AS NOT TO CAUSE DAMAGE.
2. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES 72 HOURS BEFORE CONSTRUCTION IS TO START TO VERIFY IF ANY UTILITIES ARE PRESENT ON SITE. ALL VERIFICATIONS (LOCATION, SIZE AND DEPTH), SHALL BE MADE BY THE APPROPRIATE UTILITY COMPANIES. WHEN EXCAVATING AROUND OR OVER EXISTING UTILITIES, THE CONTRACTOR MUST NOTIFY THE UTILITY COMPANY SO A REPRESENTATIVE OF THAT UTILITY COMPANY CAN BE PRESENT TO INSTRUCT AND OBSERVE DURING CONSTRUCTION. SUBCONTRACTORS ARE RESPONSIBLE FOR LOCATIONS OF UTILITIES FOR THEIR OWN WORK.
3. CONTRACTOR TO ADJUST ALL EXISTING SURFACE INFRASTRUCTURE (HYDRANTS, VALVES, HANDHOLES, CASTINGS, IRRIGATION SYSTEM, UTILITY PEDESTALS, ETC.) AS REQUIRED TO MEET PROPOSED GRADE. IT IS ANTICIPATED EXISTING SURFACE INFRASTRUCTURES WILL NOT BE AFFECTED.
4. ALL UTILITY MATERIALS AND INSTALLATION SHALL CONFORM TO LOCAL STANDARDS FOR EACH UTILITY AGENCY HAVING JURISDICTION.

GRADING

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTING THE PROPOSED ROADS, PARKING AREAS, BUILDING PADS AND EROSION CONTROL DEVICES TO THE PROPOSED GRADE ELEVATIONS AND LOCATIONS SHOWN ON THE GRADING PLAN.
2. THE CONTRACTOR SHALL STRIP AND REMOVE TOPSOIL AND ORGANIC SOILS FOUND WITHIN THE GRADING LIMITS IN ACCORDANCE WITH SECTION 625 OF THE STANDARD SPECIFICATIONS. GRADE LANDSCAPE AREAS TO ALLOW FOR PLACEMENT OF TOPSOIL.
3. THE SUBGRADE FOR THE PARKING AREAS, ROADWAY, AND SIDEWALK SHALL BE PREPARED IN ACCORDANCE WITH SECTION 207 OF THE STANDARD SPECIFICATIONS.
4. COMPACTION OF THE SUBGRADE SHALL BE IN ACCORDANCE WITH SECTION 207.3.6 USING MECHANICAL COMPACTION EQUIPMENT. OPERATION OF SPREADING AND HAULING EQUIPMENT WILL NOT BE CONSIDERED AS PROVIDING ADEQUATE COMPACTION. PROOF ROLL SUBGRADES BEFORE PLACING FILL WITH HEAVY PNEUMATIC-TIRED EQUIPMENT, SUCH AS A FULLY LOADED TANDEM AXLE DUMP TRUCK, TO IDENTIFY SOFT AREAS AND AREAS OF EXCESSIVE YIELDING.
5. EXCAVATION BELOW SUBGRADE MAY BE REQUIRED IF SOFT SPOTS, ORGANIC SOILS AND/OR OTHER UNSUITABLE FILL IS ENCOUNTERED.
6. THE BASE AGGREGATE DENSE SHALL BE PLACED ONLY ON SUBGRADE THAT HAS BEEN PROOF-ROLLED.
7. PLACE BACKFILL AND FILL MATERIALS IN LAYERS NOT MORE THAN 8" IN LOOSE DEPTH FOR MATERIAL COMPACTED BY HEAVY COMPACTION EQUIPMENT, AND NOT MORE THAN 4" IN LOOSE DEPTH FOR MATERIAL COMPACTED BY HAND-OPERATED TAMPERS. THE BASE AGGREGATE DENSE SHALL MEET THE REQUIREMENTS OF SECTION 305 OF THE STATES STANDARD SPECIFICATION.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PLACING THE CRUSHED STONE BASE ON THE DRIVES AND PARKING AREAS TO THE DEPTHS INDICATED.
9. THE BASE AGGREGATE DENSE IN ALL PAVED (CONCRETE AND ASPHALT) AREAS SHALL BE IN ACCORDANCE WITH THE PAVING PLAN & THE TYPICAL PAVEMENT SECTIONS SHOWN ON THE DETAIL DRAWING. RECYCLED ASPHALT AND CONCRETE MAY BE USED AS BASE COURSE AND FILL MATERIAL.
10. THE BASE AGGREGATE DENSE SHALL BE COMPACTED A MINIMUM OF 95% OF THE MODIFIED PROCTOR (AASHTO T-180) USING APPROPRIATE SIZE AND TYPE ROLLERS PER SECTION 301.3.4.2 OF THE STANDARD SPECIFICATIONS.
11. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF EXISTING PROPERTY CORNERS AND PERTINENT AREAS WITHIN ALL EASEMENTS.
12. CONTRACTOR IS RESPONSIBLE TO INSTALL ALL EROSION CONTROL DEVICES SHOWN ON THE PLANS IN ACCORDANCE WITH THE WDNR BEST MANAGEMENT PRACTICES AND TECHNICAL STANDARDS.

LANDSCAPING AND SITE STABILIZATION

1. TOPSOIL: CONTRACTOR TO PROVIDE A MINIMUM OF 4" OF TOPSOIL FOR ALL DISTURBED OPEN AREAS OR AS DIRECTED BY THE OWNER. REUSE SURFACE SOIL STOCKPILED ON SITE AND SUPPLEMENT WITH IMPORTED OR MANUFACTURED TOPSOIL FROM OFF SITE SOURCES WHEN QUANTITIES ARE INSUFFICIENT. PROVIDE SOIL ANALYSIS BY A QUALIFIED SOIL TESTING LABORATORY AS REQUIRED TO VERIFY THE SUITABILITY OF SOIL TO BE USED AS TOPSOIL AND TO DETERMINE THE NECESSARY SOIL AMENDMENTS. TOPSOIL SHALL HAVE A PH RANGE OF 5.5 TO 8, CONTAIN A MINIMUM OF 5 PERCENT ORGANIC MATERIAL CONTENT, AND SHALL BE FREE OF STONES 1 INCH OR LARGER IN DIAMETER. ALL MATERIALS HARMFUL TO PLANT GROWTH SHALL ALSO BE REMOVED.

   TOPSOIL INSTALLATION: LOOSEN SUBGRADE TO A MINIMUM DEPTH OF 4" AND REMOVE STONES LARGER THAN 1"IN DIAMETER. ALSO REMOVE ANY STICKS, ROOTS, RUBBISH, AND OTHER EXTRANEOUS MATTER AND DISPOSE OF THEM OFF THE PROPERTY. SPREAD TOPSOIL TO A DEPTH OF 4" BUT NOT LESS THAN WHAT IS REQUIRED TO MEET FINISHED GRADES AFTER LIGHT ROLLING AND NATURAL SETTLEMENT. DO NOT SPREAD TOPSOIL IF SUBGRADE IS FROZEN, MUDDY, OR EXCESSIVELY WET. GRADE PLANTING AREAS TO A SMOOTH, UNIFORM SURFACE PLANE WITH LOOSE, UNIFORMLY FINE TEXTURE. GRADE TO WITHIN 0.05 FEET OF FINISHED GRADE ELEVATION.
2. SEEDED LAWNS:
   A. PERMANENT LAWN AREAS SHALL BE SEEDED WITH THE FOLLOWING MIXTURE: 65% KENTUCKY BLUEGRASS BLEND (2.0-2.6 LBS./1,000 S.F.), 20% PERENNIAL RYEGRASS (0.6-0.8 LBS./1,000 S.F.), 15% FINE FESCUE (0.4-0.6 LBS/1,000 S.F.). STRAW AND MULCH SHALL BE LAID AT 100LBS/1,000 S.F. FERTILIZE AS PER SOIL TEST OR APPLY 5-10-10 OR EQUIVALENT AT 5-6 LBS/1,000 S.F. SEE EROSION MATTING SPECIFICATIONS AS REQUIRED. ALL SITE DISTURBED AREAS NOT DESIGNATED FOR OTHER LANDSCAPING AND SITE STABILIZATION METHODS SHALL BE SEEDED AS PERMANENT LAWN. NO BARE TOPSOIL SHALL BE LEFT ONSITE.
2. SEEDED LAWN MAINTENANCE: CONTRACTOR TO PROVIDE MAINTENANCE OF ALL LANDSCAPING FOR A PERIOD OF 90 DAYS FROM THE DATE OF INSTALLATION. AT THE END OF THE MAINTENANCE PERIOD, A HEALTHY, UNIFORM, CLOSE STAND OF GRASS SHOULD BE ESTABLISHED FREE OF WEEDS AND SURFACE IRREGULARITIES. LAWN COVERAGE SHOULD EXCEED 90% AND BARE SPOTS SHOULD NOT EXCEED 5"X5". CONTRACTOR SHOULD REESTABLISH LAWNS THAT DO NOT COMPLY WITH THESE REQUIREMENTS AND CONTINUE MAINTENANCE UNTIL LAWNS ARE SATISFACTORY.

CONCRETE AND AGGREGATE BASE

1. CONTRACTOR TO PROVIDE BASE AGGREGATE DENSE AND CONCRETE WHERE INDICATED ON THE PLANS.
2. ALL AGGREGATE PROVIDED MUST COMPLY WITH SECTION 305 OF THE WISCONSIN STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION. ALL AGGREGATE PLACED MUST BE COMPACTED TO AN AVERAGE OF 95% STANDARD PROCTOR.
3. DESIGN AND CONSTRUCTION OF ALL CAST-IN-PLACE EXTERIOR CONCRETE FLAT WORK SHALL CONFORM TO ACI 330R-08.
4. EXTERIOR CONCRETE FLAT WORK CONSTRUCTION TO BE PROVIDED PER THIS SPECIFICATION. CONCRETE FLAT WORK CONSTRUCTION IS AS FOLLOWS:
   A. SIDEWALK CONCRETE – 5" OF CONCRETE OVER 4" OF 3/4" BASE AGGREGATE DENSE. CONTRACTION JOINTS SHALL CONSIST OF 1/8" WIDE BY 1"DEEP TOOLED JOINT WHERE INDICATED ON THE PLANS.
5. DESIGN MIXES SHALL BE IN ACCORDANCE WITH ASTM C94
   A. STRENGTH TO BE MINIMUM OF 4,000 PSI AT 28 DAYS FOR EXTERIOR CONCRETE.
   B. SLUMP SHALL NOT EXCEED 4"FOR EXTERIOR CONCRETE FLAT WORK
   C. SLUMP SHALL BE 2.5"OR LESS FOR SLIP-FORMED CURB AND GUTTER
   D. SLUMP SHALL BE BETWEEN 1.5"TO 3"FOR NON SLIP-FORMED CURB AND GUTTER.
   E. ALL EXTERIOR CONCRETE SHALL BE AIR ENTRAINED WITH 4% TO 7% AIR CONTENT. NO OTHER ADMIXTURES SHALL BE USED WITHOUT APPROVAL OF THE ENGINEER. CALCIUM CHLORIDE SHALL NOT BE USED.
   F. MAXIMUM AGGREGATE SIZE FOR ALL EXTERIOR CONCRETE SHALL BE 0.75 INCHES.
6. ALL CONCRETE FLAT WORK SURFACES AND CONCRETE CURB FLOWLINES SHALL BE CONSTRUCTED TO WITHIN 0.02' OF DESIGN SURFACE AND FLOWLINE GRADES ASSUMING POSITIVE DRAINAGE IS MAINTAINED IN ACCORDANCE WITH THE DESIGN PLANS.
7. CONCRETE FLAT WORK SHALL HAVE CONSTRUCTION JOINTS OR SAW CUT JOINTS PLACED AS INDICATED ON THE PLANS OR PER THIS SPECIFICATION. SAWCUTS SHALL BE DONE AS SOON AS POSSIBLE, BUT NO LATER THAN 24 HOURS AFTER CONCRETE IS PLACED. CONCRETE CURB AND GUTTER JOINTING SHALL BE PLACED EVERY 10' OR CLOSER (6' MIN.). ALL EXTERIOR CONCRETE SHALL HAVE A LIGHT BROOM FINISH UNLESS NOTED OTHERWISE. A UNIFORM COAT OF A HIGH SOLIDS CURING COMPOUND MEETING ASTM C309 SHOULD BE APPLIED TO ALL EXPOSED CONCRETE SURFACES. ALL CONCRETE IS TO BE CURED FOR 7 DAYS. EXTERIOR CONCRETE SHALL BE SEPARATED FROM BUILDINGS WITH CONTINUOUS 0.5 INCH FIBER EXPANSION JOINT AND/OR 0.25 INCH FIBER EXPANSION JOINT AT DECORATIVE MASONRY UNITS.
8. PROTECT FRESHLY PLACED CONCRETE FROM PREMATURE DRYING AND EXCESSIVE COLD OR HOT TEMPERATURES. IN HOT, DRY, AND WINDY WEATHER, APPLY AN EVAPORATION-CONTROL COMPOUND ACCORDING TO MANUFACTURER'S INSTRUCTIONS AFTER SCREEDING AND BULL FLOATING, BUT BEFORE POWER FLOATING AND TROWELLING.
9. LIMIT MAXIMUM WATER-CEMENTIOUS RATIO OF CONCRETE EXPOSED TO FREEZING, THAWING AND DEICING SALTS TO 0.45.
10. TEST RESULTS WILL BE REPORTED IN WRITING TO THE DESIGN ENGINEER, READY-MIX PRODUCER, AND CONTRACTOR WITHIN 24 HOURS AFTER TESTS. REPORTS OF COMPRESSIVE STRENGTH TESTS SHALL CONTAIN THE PROJECT IDENTIFICATION NAME AND NUMBER, DATE OF CONCRETE PLACEMENT, NAME OF CONCRETE TESTING SERVICE, CONCRETE TYPE AND CLASS, LOCATION OF CONCRETE BATCH IN STRUCTURE, DESIGN COMPRESSIVE STRENGTH AT 28 DAYS, CONCRETE MIX PROPORTIONS AND MATERIALS, COMPRESSIVE BREAKING STRENGTH, AND TYPE OF BREAK FOR BOTH 7-DAY TESTS AND 28-DAY TESTS.
11. 1/2" PERFORMED EXPANSION JOINT FILLER SHALL BE PLACED TRANSVERSLY IN THE CURB AS FOLLOWS:
   A. AT EACH JUNCTION OF RADIUS RETURN CURB AND THE CURB WHICH IS PARALLEL TO THE PROJECT CENTER LINE.
   B. AT EACH JUNCTION WITH EXISTING CONCRETE CURB OR CONCRETE CURB AND GUTTER.
   C. AT EACH JUNCTION WITH EXISTING CONCRETE SIDEWALK, TO DEPTH OF SIDEWALK.

PAVING

1. THE CONTRACTOR SHALL CONFORM TO THE REQUIREMENTS OF THE STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS AND CONSTRUCTION AND MATERIAL MANUAL MOST CURRENT EDITION, EXCEPT AS MODIFIED HEREIN.
2. ASPHALT TESTING MAY BE ORDERED BY THE OWNER/ENGINEER. THE COST OF ALL INITIAL TESTING SHALL BE PAID BY THE OWNER. RETESTING OF FAILED WORK SHALL BE AT THE EXPENSE OF THE CONTRACTOR.
3. PRIOR TO PLACING THE ASPHALT PAVEMENT, THE SURFACE OF THE BASE AGGREGATE DENSE SHALL BE GRADED TO PROPER ELEVATION AND COMPACTED TO 95% STANDARD PROCTOR.
4. EQUIPMENT UTILIZED IN THE MIXING, TRANSPORT, LAYING AND COMPACTION OF THE ASPHALT BINDER AND SURFACE COURSES SHALL COMPLY WITH SECTION 450 OF THE STANDARD SPECIFICATIONS. SUFFICIENT EQUIPMENT IN GOOD OPERATING CONDITION SHALL BE MAINTAINED AT THE SITE AT ALL TIMES TO PERFORM THE WORK WITH NO DELAYS.
5. ASPHALT UPPER COURSE WILL BE DESIGNED AND INSTALLED IN ACCORDANCE WITH WISCONSIN DEPARTMENT OF TRANSPORTATION SECTION 450, 455 AND 460 OF THE STANDARD SPECIFICATION. OTHER MIX DESIGNS DO NOT MEETING THE CRITERIA LISTED ABOVE MAY BE ACCEPTED FOR USE AS DETERMINED BY THE ENGINEER.
6. ASPHALT LOWER LAYER WILL BE A 19.0 MM OR A 12.5 MM NOMINAL MAXIMUM AGGREGATE MIX DESIGN WITH A PG 58-28 ASPHALT CEMENT AND THE UPPER LAYER WILL BE A 9.5 MM OR A 12.5 MM NOMINAL MAXIMUM AGGREGATE MIX DESIGN WITH A PG 58-28 ASPHALT CEMENT UNLESS OTHERWISE NOTED IN THE PLANS OR DETAILS.
7. OWNER MAY TAKE SAMPLES OF THE VIRGIN ASPHALT CEMENT INLINE AT THE ASPHALT PRODUCTION FACILITY TO DETERMINE PERFORMANCE GRADING OF THE MATERIAL. SAMPLES WILL BE SENT FOR PG VERIFICATION ACCORDING TO AASHTO M320 OR AASHTO M323 SPECIFICATIONS.
8. CONTRACTOR WILL PERFORM MIXTURE QUALITY CONTROL TESTING ON THE HOT MIX ASPHALT BEING PRODUCED. PROVIDE THE TEST METHODS AS IDENTIFIED IN THE WISCONSIN DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATION SECTION 460.2.8.2.1.3.1 (4) AT A RATE OF ONE SAMPLE PER 1,200 TONS OF MIXTURE PRODUCED. THE APPROXIMATE LOCATION OF EACH SAMPLE WITHIN THE INCREMENT LISTED ABOVE WILL BE DETERMINED BY SELECTING RANDOM NUMBERS USING ASTM D3665 OR BY USING A CALCULATOR THAT HAS A RANDOM NUMBER GENERATOR. TEST RESULTS WILL CONFORM TO TOLERANCES LISTED IN SECTION 460.2.8.2.1.5. TEST RESULTS NOT CONFORMING TO THE TOLERANCES LISTED IN 460.2.8.2.1.5, WILL BE EVALUATED AS DESCRIBED IN 460.2.8.2.1.7. THE CONTRACTOR WILL MAKE ALL TEST RESULTS AVAILABLE TO THE OWNER UPON REQUEST. THE OWNER RETAINS THE RIGHT TO OBTAIN INDEPENDENT RANDOM SAMPLES FOR VERIFICATION PURPOSES AND WILL SHARE THOSE RESULTS WITH THE CONTRACTOR UPON REQUEST.
9. CONTRACTOR WILL PERFORM PAVEMENT DENSITY QUALITY CONTROL TESTING ON THE HOT MIX ASPHALT BEING PLACED. PROVIDE NUCLEAR DENSITY TESTING IN ACCORDANCE WITH ASTM D2950 AND AT A RATE OF 5 TESTS PER 750 TONS OF MATERIAL PLACED. THE APPROXIMATE LOCATION OF EACH SAMPLE WITHIN THE INCREMENT LISTED ABOVE WILL BE DETERMINED BY SELECTING RANDOM NUMBERS USING ASTM D3665 OR BY USING A CALCULATOR THAT HAS A RANDOM NUMBER GENERATOR. ALL INDIVIDUAL TEST RESULTS WILL MEET OR EXCEED 93.0% FOR ALL LIFTS PLACED. PAVEMENT NOT MEETING THIS TOLERANCE MAY BE SUBJECT TO REMOVE AND REPLACE AT THE CONTRACTOR'S COST. THE CONTRACTOR WILL MAKE ALL TEST RESULTS AVAILABLE TO THE OWNER UPON REQUEST. THE OWNER RETAINS THE RIGHT TO OBTAIN INDEPENDENT RANDOM SAMPLES FOR VERIFICATION PURPOSES AND WILL SHARE THOSE RESULTS WITH THE CONTRACTOR UPON REQUEST.
10. OWNER MAY TAKE CORES AT A MINIMUM RATE OF 3 PER PRODUCTION DAY AND/OR COLLECT LOAD TICKETS DAILY TO DETERMINE IN-PLACE PAVEMENT THICKNESS. WHEN CORING, THE APPROXIMATE LOCATION OF EACH SAMPLE WITHIN THE INCREMENT LISTED ABOVE WILL BE DETERMINED BY SELECTING RANDOM NUMBERS USING ASTM D3665 OR BY USING A CALCULATOR THAT HAS A RANDOM NUMBER GENERATOR. IF THE PAVEMENT THICKNESS IS LESS THAN ¼" OF THE SPECIFIED THICKNESS, THE DEFICIENT PAVEMENT MAY BE SUBJECT TO PAY ADJUSTMENT OR REMOVE AND REPLACE AT THE CONTRACTOR'S COST.
11. PRIOR TO PLACING THE SURFACE COURSE, THE PAVING CONTRACTOR SHALL REMOVE ALL FOREIGN MATTER FROM THE SURFACE OF THE BINDER COURSE AND REPAIR, BY SAW CUTTING, REMOVAL AND REPLACEMENT, ANY DEPRESSION OR SIGNS OF FAILURE AND ALL SURFACE IRREGULARITIES AS DIRECTED BY THE ENGINEER. PRIOR TO PLACEMENT OF THE SURFACE COURSE, A TACK COAT SHALL BE APPLIED AT A RATE OF 0.05 GALLONS PER SQUARE YARD USING A MATERIAL IN ACCORDANCE WITH SECTION 455 OF THE STANDARD SPECIFICATIONS.
12. AFTER COMPLETION OF THE SITE PAVING, THE PAVING CONTRACTOR SHALL PAINT THE PARKING AND/OR LANE LINES AS SHOWN ON THE PLANS IN ACCORDANCE WITH SECTION 646 OF THE STANDARD SPECIFICATIONS.
13. SIDEWALK HANDICAP RAMPS SHALL MEET ADA REQUIREMENT AND SLOPES SHALL NOT EXCEED 1:12. TRUNCATED DOME PATTERN SHALL BE USED ON ALL RAMPS.
14. HANDICAP PARKING STALLS SHALL BE PAVED WITH A MAXIMUM SLOPE OF 2.0% IN ANY DIRECTION.

SPECIFICATIONS FOR PAVEMENT MARKING

1. THIS WORK SHALL COMPLY WITH SECTION 646 OF THE WISCONSIN STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION, 2016 EDITION.
2. MATERIAL SHALL BE PAINT CONFORMING TO SECTION 646 OF THE STANDARD SPECIFICATIONS.
3. LIMITATIONS:
   A. THE PAINTING SHALL BE PERFORMED ONLY WHEN THE EXISTING SURFACE IS DRY AND CLEAN, WHEN THE ATMOSPHERIC TEMPERATURE IS ABOVE 40 (AND WHEN THE WEATHER IS NOT EXCESSIVELY WINDY, DUSTY OR FOGGY. THE SUITABILITY OF THE WEATHER WILL BE DETERMINED BY THE OWNER'S SITE REPRESENTATIVE.
   B. A SMALL SECTION SHALL BE TESTED PRIOR TO FULL-SCALE MARKING TO BE SURE THE PAINT WILL NOT BLEED EXCESSIVELY, CURL OR DISCOLOR WHEN APPLIED TO THE VARIOUS SURFACES
   C. MARKINGS SHALL BE APPLIED AT THE LOCATIONS AND TO THE DIMENSIONS AND SPACING INDICATED ON THE PLANS OR AS SPECIFIED BELOW. PAINTS SHALL NOT BE APPLIED UNTIL THE LAYOUTS, INDICATED ALIGNMENT AND THE CONDITION OF THE EXISTING SURFACE HAVE BEEN APPROVED BY THE OWNER'S SITE REPRESENTATIVE.
4. APPLICATION:
   A. SIZE AND DIMENSION OF ALL PAVEMENT MARKING ARROWS AND SYMBOLS SHALL BE PER THE STANDARD SPECIFICATIONS OR STANDARD DETAIL DRAWINGS IN WISDOT FACILITIES DEVEVELOPMENT MANUAL.
   B. THE PAINT SHALL BE MIXED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS BEFORE APPLICATION. THE PAINT SHALL BE THOROUGHLY MIXED AND APPLIED TO THE SURFACE OF THE PAVEMENT AT ITS ORIGINAL CONSISTENCY WITHOUT THE ADDITION OF THINNER.
   C. SUITABLE LAYOUTS AND LINES OF PROPOSED STRIPES SHALL BE SPOTTED IN ADVANCE OF THE PAINT APPLICATION. CONTROL POINTS SHALL BE SPACED AT SUCH INTERVALS AND WILL INSURE ACCURATE LOCATION OF ALL MARKINGS.
   D. IMMEDIATELY BEFORE APPLICATION OF THE PAINT, THE EXISTING SURFACE SHALL BE DRY AND ENTIRELY FREE FROM DIRT, GREASE, OIL, ACIDS, LAITANCE, OR OTHER FOREIGN MATTER WHICH WOULD REDUCE THE BOND BETWEEN THE COAT OF PAINT AND THE PAVEMENT. THE SURFACE SHALL BE THOROUGHLY CLEANED BY SWEEPING AND BLOWING AS REQUIRED TO REMOVE ALL DIRT, LAITANCE AND LOOSE MATERIALS. AREAS WHICH CANNOT BE SATISFACTORILY CLEANED BY BROOMING AND BLOWING SHALL BE SCRUBBED WITH A WATER SOLUTION OF TRI-SODIUM PHOSPHATE (10% NA PO4 BY WEIGHT) OR AN APPROVED EQUAL SOLUTION. AFTER SCRUBBING, THE SOLUTION SHALL BE RINSED OFF AND THE SURFACE DRIED PRIOR TO PAINTING.
   E. TWO PAINT COATS ARE TO BE APPLIED ON NEW PAVEMENT. IN THE APPLICATION OF STRAIGHT STRIPES, ANY DEVIATION IN THE EDGES EXCEEDING TWO (2") INCHES IN FIFTY (50') FEET SHALL BE OBLITERATED AND THE MARKING CORRECTED. THE WIDTH OF THE MARKING SHALL BE AS DESIGNED WITHIN A TOLERANCE OF 5%. ALL PAINTING SHALL BE PERFORMED TO THE SATISFACTION OF THE OWNER BY COMPETENT AND EXPERIENCED EQUIPMENT OPERATORS, LABORERS, AND ARTISANS IN A NEAT AND WORKMANLIKE MANNER.
5. AFTER APPLICATION OF THE PAINT, ALL MARKINGS SHALL BE PROTECTED WHILE THE PAINT IS DRYING. THE FRESH PAINT SHALL BE PROTECTED FROM INJURY OR DAMAGE OF ANY KIND. THE CONTRACTOR SHALL BE DIRECTLY RESPONSIBLE AND SHALL ERECT OR PLACE SUITABLE WARNING SIGNS, FLAGS, OR BARRICADES, PROTECTIVE SCREENS OR COVERINGS AS REQUIRED. ALL SURFACES SHALL BE PROTECTED FROM DISFIGURATION BY SPATTER, SPLASHES, SPILLAGE, DRIPPINGS OR PAINT OR OTHER MATERIALS.
6. ANY EXISTING PAVEMENT MARKING WHICH CONFLICTS WITH THE NEW LAYOUT SHOWN ON THE PLANS OR ANY NEW PAVEMENT MARKING WHICH IS JUDGED "DEFECTIVE" BY THE OWNER, SHALL BE OBLITERATED. THE CONTRACTOR SHALL OBLITERATE PAVEMENT MARKINGS BY PAINTING OVER THEM WITH A BLACK OR GRAY PERMANENT PAINT OR SEAL COAT THAT MATCHES THE SHADE OF THE SURROUNDING ASPHALT PAVEMENT.
7. THE SIZE OF ALL PAVEMENT MARKING SYMBOLS SHALL BE WDOT SDD 15C7.
8. PAVEMENT MARKING LINES SHALL BE APPLIED PER WDOT SDD 15C8.

PAYNE & DOLAN
INCORPORATED
W6380 Design Drive | Greenville, Wisconsin 54942
TEL 920.757.7550 | FAX 920.757.2906
www.paynedolan.com

AUTOMATIC ENTRANCES OF WISCONSIN

1712 PARAMOUNT COURT
WAUKESHA, WI 53186

CLIENT

NOT FOR CONSTRUCTION

PARKING LOT ADDITION

COLIN MEISEL PE #41512

ADMINISTRATION	
DATE:	02/13/2017
ENGINEER:	JSL
DRAWN BY:	JSL
CHECKED BY:	CLM
SCALE:	N/A

REVISION SCHEDULE		
NO.	DESCRIPTION	DATE
1	PRELIMINARY SITE PLAN	02/13/2017

PROJECT NUMBER 490083

SPECIFICATIONS AND NOTES