NEW BUILDING FOR:

PACIFIC BELLS, LLC

KAUKAUNA, WI

PROJECT INFORMATION

SITE INFORMATION:

A PARCEL OF LAND BEING PART OF PARCEL "A" AND "B", OUTAGAMIE COUNTY CERTIFIED SURVEY MAP NO. 68, RECORDED IN VOLUME 1 OF CERTIFIED SURVEY MAPS, PAGE 68, OUTAGAMIE COUNTY RECORDS, ORIGINALLY BEING A PART OF SUB-LOT "A" OF GOVERNMENT LOT FIVE (5)

APN: 324047300

PROPERTY AREA: 29,875 S.F. (0.686 ACRES)

EXISTING ZONING: CHD (COMMERCIAL HIGHWAY DISTRICT)

PROPOSED ZONING: CHD (COMMERCIAL HIGHWAY DISTRICT)

PROPOSED USE: QUICK SERVE RESTAURANT W/ DRIVE-THRU

AREA OF SITE DISTURBANCE: 22,701 (0.52 ACRES)

AREA OF IMPERVIOUS SURFACE DISTURBANCE: 19,221 S.F. (0.44 ACRES)

SETBACKS:
BUILDING: FRONT (WEST, NORTH, EAST) = 25'
SIDE (SOUTH) = 10'
PAVEMENT: FRONT (WEST, NORTH, EAST) = 0'
SIDE (SOUTH) = 0'

BUFFERYARDS:
FRONT (WEST, NORTH, EAST) = 0'
SIDE (SOUTH) = 0'

PROPOSED BUILDING HEIGHT: 23' (MAX. HEIGHT ALLOWED: 56' OR FOUR STORIES)

PARKING REQUIRED: SUFFICIENT SUCH THAT NO PUBLIC STREET SHALL BE USED

PARKING PROVIDED: 32 SPACES (2 H.C. ACCESSIBLE)

HANDICAP STALLS REQUIRED: 2, HANDICAP STALLS PROVIDED: 2

MAXIMUM LOT COVERAGE - BUILDING ONLY: 35%

EXISTING SITE DATA

	AREA (AC)	AREA (SF)	RATIO
BUILDING FLOOR AREA	0.14	6,021	20.2%
PAVEMENT (ASP. & CONC.)	0.40	17,508	58.6%
TOTAL IMPERVIOUS	0.54	23,529	78.8%
LANDSCAPE/ OPEN SPACE	0.15	6,346	21.2%
PROJECT SITE	0.69	29,875	100.0%

PROPOSED SITE DATA

	AREA (AC)	AREA (SF)	RATIO
BUILDING FLOOR AREA	0.05	2,241	7.5%
PAVEMENT (ASP. & CONC.)	0.43	18,850	63.1%
TOTAL IMPERVIOUS	0.48	21,091	70.6%
LANDSCAPE/ OPEN SPACE	0.20	8,784	29.4%
PROJECT SITE	0.69	29,875	100.0%

TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN

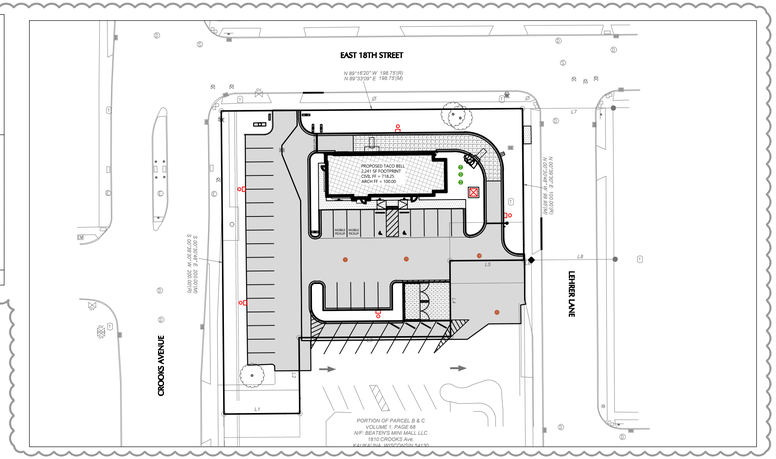
CALL DIGGERS HOTLINE
1-800-242-8511

TOLL FREE TELEFAX (414) 259-0947
TDD (FOR THE HEARING IMPAIRED)
1-800 542-2289

WISCONSIN STATUTE 182.0175 (1974) REQUIRES MINIMUM OF 3 WORK DAYS NOTICE BEFORE YOU EXCAVATE

BENCHMARK NOTE:

BENCHMARKS SHOWN ON THIS PLAN ARE ON NAVD 88 DATUM.



SITE PLAN OVERVIEW

SCALE: 1"= 50'

NORTH

50' 0 50' 100'

PROJECT CONTACTS

OWNER INFORMATION:
ANCHOR POINT MANAGEMENT, LLC
KARI KELLER
111 W. 39TH STREET
VANCOUVER, WA 98660
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Email: KKeller@anchorpointmg.com

CIVIL:
GRANT DUCHAC, P.E.
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E-mail: grant.duchac@excelengineer.com

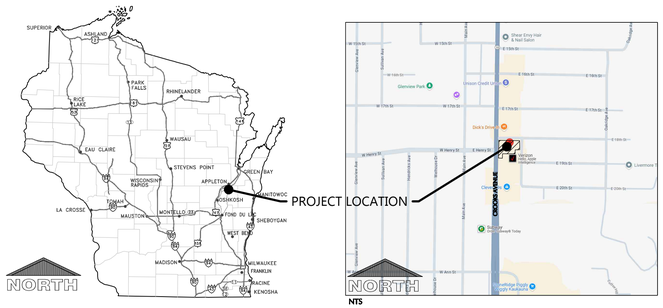
CITY PLANNER:
DAVID KITTEL
Phone: (920) 766-6370
E-mail: dkittel@kaukauna.gov

CITY ENGINEER/DIRECTOR OF PUBLIC WORKS:
JOHN NEUMEIER
Phone: (920) 766-6305
E-mail: jneumeier@kaukauna.gov

CITY FIRE CHIEF:
JAKE CARREL
Phone: (920) 766-6320 ext. 2

CITY BUILDING INSPECTOR:
BRETT JENSEN
Phone: (920) 766-6325
E-mail: buildinginspector@kaukauna.gov

LOCATION MAP



NTS

PROJECT NOTES

GENERAL PROJECT NOTES

1. ALL DRIVEWAYS AND CURB CUTS TO BE CONSTRUCTED ACCORDING TO LOCAL ORDINANCES. CONTRACTOR TO OBTAIN ALL NECESSARY PERMITS.
2. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL WORK IN ROW PERMITS.
3. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION WITH THE NEIGHBORING PROPERTY OWNER TO THE SOUTH.

SHEET INDEX

SHEETS BELOW INTENDED TO BE PRINTED IN: COLOR. REFER TO DIGITAL FORMAT DRAWINGS IF PRINTED GRAYSCALE TO ENSURE SCOPE CLARITY.

NUMBER	SHEET NAME / DESCRIPTION
C0.1	CIVIL COVER SHEET
C0.2	CIVIL SPECIFICATIONS
C1.0	CIVIL EXISTING SITE AND DEMOLITION PLAN
C1.1	CIVIL SITE PLAN
C1.2	CIVIL GRADING AND EROSION CONTROL PLAN
C1.3	CIVIL UTILITY PLAN
C1.4	CIVIL LANDSCAPE AND RESTORATION PLAN
C2.0	CIVIL DETAILS
C2.1	CIVIL DETAILS
C2.2	CIVIL DETAILS
C3.1	CIVIL SITE PHOTOMETRIC PLAN & DETAILS

LEGEND

NOTE: ALL SYMBOLS SHOWN MAY NOT APPEAR ON DRAWINGS.

SYM.	IDENTIFICATION	SYM.	IDENTIFICATION
SPOT ELEVATIONS			
000.00	PROPOSED SPOT ELEVATIONS (FLOW LINE OF CURB UNLESS OTHERWISE SPECIFIED)	000.00 TC / 000.00 FL	PROPOSED SPOT ELEVATIONS (TOP OF CURB, FLOWLINE OF CURB)
000.00 EG	EXISTING GRADE SPOT ELEVATIONS		
000.00 BG / 000.00 FG	PROPOSED SPOT ELEVATIONS (REFERENCE R-WALL DETAIL) BG-FINISHED SURFACE GRADE AT BACK OF WALL FG-FINISHED SURFACE GRADE AT FRONT OF WALL	000.00 TW / 000.00 BW	PROPOSED SPOT ELEVATIONS (TOP OF WALK, BOTTOM OF WALK @ FLOWLINE)
EXISTING SITE SYMBOLS			
	EXISTING SIGN		EXISTING UTILITY POLE
	EXISTING HANDICAP PARKING STALL		EXISTING UTILITY POLE WITH GUY WIRE
	EXISTING WATER VALVE IN BOX		EXISTING STREET LIGHT
	EXISTING WATER VALVE IN MANHOLE	T	EXISTING TELEPHONE PEDESTAL
	EXISTING WATER SERVICE VALVE	E	EXISTING ELECTRIC PEDESTAL
	EXISTING WELL		EXISTING ELECTRIC BOX
	EXISTING STORM CATCH BASIN		EXISTING FLOOD LIGHT
	EXISTING STORM CURB INLET	T	EXISTING TELEPHONE MANHOLE
	EXISTING SQUARE CATCH BASIN	C	EXISTING CABLE TV PEDESTAL
	EXISTING LIGHT POLE		EXISTING GAS VALVE
	1-1/4" REBAR SET WEIGHING 4.30 LB/FT.		EXISTING HEDGE
	3/4" REBAR SET WEIGHING 1.50 LB/FT.		EXISTING WOODED AREA
	1-1/4" REBAR FOUND		EXISTING MARSH AREA
	3/4" REBAR FOUND		EXISTING DECIDUOUS TREE WITH TRUNK DIAMETER
	2" IRON PIPE FOUND		EXISTING CONIFEROUS TREE
	1" IRON PIPE FOUND		EXISTING SHRUB
	SECTION CORNER		EXISTING STUMP
PROPOSED SITE SYMBOLS			
	PROPOSED SIGN		PROPOSED STORM FIELD INLET - ST FI
	PROPOSED HANDICAP PARKING STALL		PROPOSED LIGHT POLE
	PROPOSED WATER VALVE IN BOX		PROPOSED DRAINAGE FLOW
	PROPOSED WATER VALVE IN MANHOLE		PROPOSED APRON END SECTION
	PROPOSED WATER SERVICE VALVE		SOIL BORING
	PROPOSED WELL		CENTER LINE
	PROPOSED STORM CATCH BASIN - ST CB	CO	PROPOSED CLEANOUT
	PROPOSED STORM CURB INLET - ST CI	DSG	PROPOSED DOWNSPOUT TO GRADE
2CO	PROPOSED 2-WAY CLEANOUT	DSR	PROPOSED DOWNSPOUT TO RISER
EXISTING LINETYPES			
	EXISTING CHAINLINK FENCE	POL	EXISTING POLISH SEWER AND MANHOLE
	EXISTING WOOD FENCE	P	EXISTING PROCESS SEWER AND MANHOLE
	EXISTING CURB AND GUTTER	FO	EXISTING UNDERGROUND FIBER OPTIC LINE
	EXISTING GUARD RAIL	E	EXISTING UNDERGROUND ELECTRIC CABLE
800	EXISTING GROUND CONTOUR	T	EXISTING UNDERGROUND TELEPHONE CABLE
ST	EXISTING STORM SEWER AND MANHOLE	G	EXISTING UNDERGROUND GAS LINE
SA	EXISTING SANITARY SEWER AND MANHOLE	OU	EXISTING OVERHEAD UTILITY LINE
	EXISTING WATER LINE AND HYDRANT		RAILROAD TRACKS
	INTERIOR PROPERTY LINE		RIGHT-OF-WAY LINE
PROPOSED LINETYPES			
	PROPOSED CHAINLINK FENCE	POL	PROPOSED POLISH SEWER AND MANHOLE
	PROPOSED WOOD FENCE	P	PROPOSED PROCESS SEWER AND MANHOLE
	PROPOSED BARBED WIRE FENCE	CLW	PROPOSED CLEAR WATER LINE
	PROPOSED CURB AND GUTTER	FO	PROPOSED UNDERGROUND FIBER OPTIC LINE
	PROPOSED GUARD RAIL	E	PROPOSED UNDERGROUND ELECTRIC CABLE
800	PROPOSED GROUND CONTOUR	T	PROPOSED UNDERGROUND TELEPHONE CABLE
ST	PROPOSED STORM SEWER AND MANHOLE - ST MH	G	PROPOSED UNDERGROUND GAS LINE
SA	PROPOSED SANITARY SEWER AND MANHOLE - SAN MH	OU	PROPOSED OVERHEAD UTILITY LINE
	PROPOSED WATER LINE AND HYDRANT		MATCHLINE
	PROPOSED PROPERTY LINE		GRADING/SEEDING LIMITS

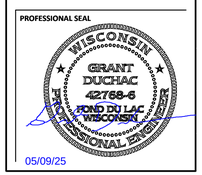
CIVIL COVER SHEET

EXCEL
Always a Better Plan
100 Camelot Drive
Fond du Lac, WI 54935
920-926-9800
excelengineer.com

PROJECT INFORMATION

NEW BUILDING FOR:
PACIFIC BELLS LLC
1800 CROOKS AVENUE • KAUKAUNA, WI 54130

PROFESSIONAL SEAL



05/09/25

SHEET DATES

SHEET ISSUE DEC. 6, 2024

REVISIONS

AD1 JAN. 9, 2025
CB1 MAY 7, 2025

JOB NUMBER

240296000

SHEET NUMBER

C0.1

CIVIL SPECIFICATIONS

DIVISION 31 EARTH WORK

31 10 00 SITE CLEARING (DEMOLITION)

A. CONTRACTOR SHALL CALL DIGGER'S HOT LINE AND CONDUCT A PRIVATE UTILITY LOCATE AS REQUIRED TO ENSURE THAT ALL UTILITIES HAVE BEEN LOCATED BEFORE STARTING SITE DEMOLITION. DESIGN ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES BETWEEN PLAN AND FIELD CONDITIONS PRIOR TO CONSTRUCTION.
B. CONTRACTOR TO FIELD TELEVISE ALL EXISTING SANITARY AND STORM LATERALS THAT ARE SCHEDULED TO BE RE-USED AND/OR CONNECTED TO ON SITE AT TIME OF DEMOLITION. THE TELEVISING SHALL BE COMPLETED TO ENSURE THE EXISTING LATERAL(S) ARE FREE OF OBSTRUCTIONS AND IN SOUND STRUCTURAL CONDITION. TELEVISING OF THESE LATERAL(S) SHOULD BE COMPLETED AT BEGINNING OF CONSTRUCTION AND DESIGN ENGINEER SHALL BE NOTIFIED OF ANY PIPE OBSTRUCTIONS AND/OR STRUCTURAL DEFICIENCIES IMMEDIATELY AFTER COMPLETION OF FIELD TELEVISING.
C. DEMOLITION PLAN IS AN OVERVIEW OF DEMOLITION TO TAKE PLACE ON SITE. CONTRACTOR TO FIELD VERIFY EXISTING SITE CONDITIONS PRIOR TO BIDDING. CONTRACTOR SHALL REMOVE, REPLACE, OR DEMOLISH ALL ITEMS AS NEEDED DURING CONSTRUCTION.
D. CONTRACTOR TO PROTECT EXISTING IMPROVEMENTS THAT ARE SCHEDULED TO REMAIN. ANY DAMAGE TO EXISTING FACILITIES SHALL BE REPLACED AT CONTRACTORS EXPENSE.
E. ALL CONCRETE NOTED TO BE REMOVED SHALL BE REMOVED TO THE NEAREST CONTROL JOINT.

31 20 00 EARTH MOVING

A. CONTRACTOR SHALL CALL DIGGER'S HOT LINE AND CONDUCT A PRIVATE UTILITY LOCATE AS REQUIRED TO ENSURE THAT ALL UTILITIES HAVE BEEN LOCATED BEFORE STARTING EXCAVATION. DESIGN ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES BETWEEN PLAN AND FIELD CONDITIONS PRIOR TO CONSTRUCTION.
B. PROVIDE ALL LABOR, MATERIALS AND EQUIPMENT FOR ALL EXCAVATION, GRADING, FILL, AND BACKFILL WORK AS REQUIRED TO COMPLETE THE GENERAL CONSTRUCTION WORK. ALL EXCAVATION AND BACKFILL FOR ELECTRICALS AND MECHANICALS ARE THE RESPONSIBILITY OF THE RESPECTIVE CONTRACTOR UNLESS OTHERWISE SPECIFIED IN THE BID DOCUMENTS.
C. ALL ORGANIC TOPSOIL INSIDE THE BUILDING AREA, UNDER PAVED AREAS, AND AT SITE FILL AREAS SHALL BE REMOVED. PROOF ROLL SUBGRADES BEFORE PLACING FILL WITH HEAVY PNEUMATIC-TIRED EQUIPMENT, SUCH AS A FULLY-LOADED TANDEM AXLE DUMP TRUCK, TO IDENTIFY SOFT POCKETS AND AREAS OF EXCESS YIELDING. CONTRACTOR SHALL VERIFY TOPSOIL DEPTHS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL REVIEW AND FOLLOW THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT AND ACCOUNT FOR EXISTING CONDITIONS PRIOR TO SUBMITTING BID FOR THE PROJECT. EXCESS MATERIALS SHALL BE REMOVED FROM THE SITE UNLESS OTHERWISE DIRECTED IN THE PLANS OR BY LOCAL ZONING REQUIREMENTS.
D. PLACE AND COMPACT FILL MATERIAL IN LAYERS TO REQUIRED ELEVATIONS.
   1. UNIFORMLY MOISTEN OR AERATE SUBGRADE AND EACH SUBSEQUENT FILL OR BACKFILL LAYER BEFORE COMPACTION AS RECOMMENDED TO ACHIEVE SPECIFIED DRY DENSITY. REMOVE AND REPLACE, OR SCARIFY AND AIR DRY, OTHERWISE SATISFACTORY SOIL MATERIAL THAT IS TOO WET TO COMPACT TO SPECIFIED DRY DENSITY.
   2. 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.
   3. COMPACT THE SOIL TO NOT LESS THAN THE FOLLOWING PERCENTAGES OF MAXIMUM DRY DENSITY ACCORDING TO ASTM D 698, STANDARD PROCTOR TEST. FILL MAY NOT BE PLACED ON FROZEN GROUND AND NO FROZEN MATERIALS MAY BE USED FOR BACKFILL. APPLY THE MORE STRINGENT REQUIREMENTS WHEN COMPARING BETWEEN THE FOLLOWING AND THE GEOTECHNICAL REPORT:
      1. UNDER FOUNDATIONS - SUBGRADE, AND EACH LAYER OF BACKFILL OR FILL MATERIAL, TO NOT LESS THAN 98 PERCENT.
      2. UNDER INTERIOR SLAB-ON-GRADE WHERE GROUNDWATER IS MORE THAN 3 FEET BELOW THE SLAB - PLACE A DRAINAGE COURSE LAYER OF 3/4" CRUSHED STONE, WITH 5% TO 12% FINES, PER THICKNESS INDICATED ON FOUNDATION PLANS ON PREPARED SUBGRADE. COMPACT THE SUBGRADE AND DRAINAGE COURSE TO NOT LESS THAN 95 PERCENT.
      3. UNDER INTERIOR SLAB-ON-GRADE WHERE GROUNDWATER IS WITHIN 3 FEET OF THE SLAB SURFACE- PLACE A DRAINAGE COURSE LAYER OF CLEAN 3/4" CRUSHED STONE, WITH NO MORE THAN 5% FINES, PER THICKNESS INDICATED ON FOUNDATION PLANS ON PREPARED SUBGRADE. COMPACT THE SUBGRADE AND DRAINAGE COURSE TO NOT LESS THAN 95 PERCENT.
      4. UNDER EXTERIOR CONCRETE AND ASPHALT PAVEMENTS - COMPACT THE SUBGRADE AND EACH LAYER OF BACKFILL OR FILL MATERIAL TO NOT LESS THAN 95 PERCENT.
      5. UNDER WALKWAYS - COMPACT SUBGRADE AND EACH LAYER OF BACKFILL OR FILL MATERIAL TO NOT LESS THAN 95 PERCENT.
      6. UNDER LAWN OR UNPAVED AREAS - COMPACT SUBGRADE AND EACH LAYER OF BACKFILL OR FILL MATERIAL, TO NOT LESS THAN 85 PERCENT.
G. CONTRACTOR SHALL ENGAGE A QUALIFIED INDEPENDENT TESTING AND INSPECTING AGENCY TO PERFORM FIELD TESTS AND INSPECTIONS. CONTRACTOR SHALL PROVIDE DOCUMENTATION OF PASSING DENSITY TESTING AND PROOF-ROLLING TO ENGINEER UPON COMPLETION. IT IS SUGGESTED THAT THE GEOTECHNICAL FIRM USED TO PERFORM THE SUBSURFACE SOIL INVESTIGATION BE ENGAGED FOR THE FIELD QUALITY CONTROL TESTS. THE GEOTECHNICAL REPORT WAS PERFORMED BY PROFESSIONAL SERVICE INDUSTRIES, INC.
H. ALLOW THE TESTING AGENCY TO TEST AND INSPECT SUBGRADES AND EACH FILL OR BACKFILL LAYER. PROCEED WITH SUBSEQUENT EARTHWORK ONLY AFTER TEST RESULTS FOR PREVIOUSLY COMPLETED WORK COMPLY WITH REQUIREMENTS. PROVIDE ONE TEST FOR EVERY 2000 SQUARE FEET OF PAVED AREA OR BUILDING SLAB, ONE TEST FOR EACH SPREAD FOOTING, AND ONE TEST FOR EVERY 50 LINEAR FEET OF WALL STRIP FOOTING.
I. WHEN THE TESTING AGENCY REPORTS THAT SUBGRADES, FILLS, OR BACKFILLS HAVE NOT ACHIEVED DEGREE OF COMPACTION SPECIFIED, SCARIFY AND MOISTEN OR AERATE, OR REMOVE AND REPLACE SOIL TO DEPTH REQUIRED; RECOMPACT AND RETEST UNTIL SPECIFIED COMPACTION IS OBTAINED.
J. THE BUILDING SITE SHALL BE GRADED TO PROVIDE DRAINAGE AWAY FROM THE BUILDING AS INDICATED ON THE PLANS. SITE EARTHWORK SHALL BE GRADED TO WITHIN 0.10' OF REQUIRED EARTHWORK ELEVATIONS ASSUMING POSITIVE DRAINAGE IS MAINTAINED IN ACCORDANCE WITH THE GRADING PLAN.

31 30 00 EROSION CONTROL

A. THE GRADING PLAN REFLECTS LESS THAN 1 ACRE OF DISTURBED AREA. THE SITE IS THEREFORE EXEMPT FROM WISCONSIN DEPARTMENT OF NATURAL RESOURCES NR 216 NOTICE OF INTENT REQUIREMENTS. THE DESIGN ENGINEER SHALL PREPARE AN EROSION CONTROL PLAN TO MEET NR 151.105 CONSTRUCTION SITE PERFORMANCE STANDARDS FOR NON-PERMITTED SITES.
B. EROSION AND SEDIMENT CONTROL IMPLEMENTED DURING CONSTRUCTION SHALL STRICTLY COMPLY WITH THE GUIDELINES AND REQUIREMENTS SET FORTH IN WISCONSIN ADMINISTRATIVE CODE (W.A.C.) NR 151, THE STATE OF WISCONSIN DEPARTMENT OF NATURAL RESOURCES RUNOFF MANAGEMENT PERFORMANCE STANDARDS. TECHNICAL STANDARDS PUBLISHED BY THE WISCONSIN DNR SHALL ALSO BE UTILIZED TO IMPLEMENT THE REQUIRED PERFORMANCE STANDARDS. THE METHODS AND TYPES OF EROSION CONTROL WILL BE DEPENDENT ON THE LOCATION AND TYPE OF WORK INVOLVED. ALL SEDIMENT CONTROL MEASURES SHALL BE ADJUSTED TO MEET FIELD CONDITIONS AT THE TIME OF CONSTRUCTION. AND INSTALLED PRIOR TO ANY GRADING OR DISTURBANCE OF EXISTING SURFACE MATERIAL. BELOW IS A LIST OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES TO ACHIEVE THE PERFORMANCE STANDARDS REQUIRED.
   1. SILT FENCE SHALL BE PLACED ON SITE AT LOCATIONS SHOWN ON THE EROSION CONTROL PLAN. SILT FENCE SHALL ALSO BE PROVIDED AROUND THE PERIMETER OF ALL SOIL STOCKPILES THAT WILL EXIST FOR MORE THAN 7 DAYS. FOLLOW PROCEDURES FOUND IN WISCONSIN DNR TECHNICAL STANDARD 1056 (CURRENT EDITION).
   2. DITCH CHECKS SHALL BE PROVIDED TO REDUCE THE VELOCITY OF WATER FLOWING IN DITCH BOTTOMS. PLACE AT LOCATIONS SHOWN ON THE EROSION CONTROL PLAN. FOLLOW PROCEDURES FOUND IN WISCONSIN DNR TECHNICAL STANDARD 1062 (CURRENT EDITION).
   3. STONE TRACKING PADS AND TRACKOUT CONTROL PRACTICES SHALL BE PLACED AT ALL CONSTRUCTION SITE ENTRANCES AND SHALL BE INSTALLED PRIOR TO ANY TRAFFIC LEAVING THE CONSTRUCTION SITE. SEE THE EROSION CONTROL PLAN FOR LOCATIONS. THE AGGREGATE USED FOR THE STONE TRACKING PAD SHALL BE 3/8" TO 3 INCH CLEAR OR WASHED STONE AND SHALL BE PLACED IN A LAYER AT LEAST 12 INCHES THICK. THE STONE SHALL BE UNDERLAIN WITH A WISDOT TYPE R GEOTEXTILE FABRIC AS NEEDED. THE TRACKING PAD SHALL BE THE FULL WIDTH OF THE EGRESS POINT (12' MIN WIDTH) AND SHALL BE A MINIMUM OF 50 FEET LONG. SURFACE WATER MUST BE PREVENTED FROM PASSING THROUGH THE TRACKING PAD. OTHER TRACKOUT CONTROL PRACTICES INCLUDING STONE WASHING SURFACES, MANUFACTURED TRACKOUT CONTROL DEVICES, TIRE WASHING, AND STREET/PAVEMENT CLEANING SHALL BE IMPLEMENTED AS NECESSARY TO MITIGATE THE TRACKOUT OF SEDIMENT OFFSITE. FOLLOW PROCEDURES FOUND IN WISCONSIN DNR TECHNICAL STANDARD 1057 (CURRENT EDITION).
   4. STORM DRAIN INLET PROTECTION SHALL BE PROVIDED FOR ALL NEW AND DOWNSTREAM STORM CATCH BASINS AND CURB INLETS. TYPE B OR C PROTECTION SHOULD BE PROVIDED AND SHALL BE IN CONFORMANCE WITH WISCONSIN DNR TECHNICAL STANDARD 1060 (CURRENT EDITION).
   5. DUST CONTROL MEASURES SHALL BE PROVIDED TO REDUCE OR PREVENT THE SURFACE AND AIR TRANSPORT OF DUST DURING CONSTRUCTION. CONTROL MEASURES INCLUDE APPLYING MULCH AND ESTABLISHING VEGETATION, WATER SPRAYING, SURFACE ROUGHENING, APPLYING POLYMERS, SPRAY-ON TACKIFIERS, CHLORIDES, AND BARRIERS. SOME SITES MAY REQUIRE AN APPROACH THAT UTILIZES A COMBINATION OF MEASURES FOR DUST CONTROL. FOLLOW PROCEDURES FOUND IN WISCONSIN DNR TECHNICAL STANDARD 1068 (CURRENT EDITION).
   6. THE USE, STORAGE, AND DISPOSAL OF CHEMICALS, CEMENT, AND OTHER COMPOUNDS AND MATERIALS USED ON SITE SHALL BE MANAGED DURING THE CONSTRUCTION PERIOD TO PREVENT THEIR TRANSPORT BY RUNOFF INTO WATERS OF THE STATE.
   7. CONTRACTOR SHALL PROVIDE AN OPEN AGGREGATE CONCRETE TRUCK WASHOUT AREA ON SITE. CONTRACTOR TO ENSURE THAT CONCRETE WASHOUT SHALL BE CONTAINED TO THIS DESIGNATED AREA AND NOT BE ALLOWED TO RUN INTO STORM INLETS OR INTO THE OVERLAND STORMWATER DRAINAGE SYSTEM. WASHOUT AREA SHALL BE REMOVED UPON COMPLETION OF CONSTRUCTION.
   8. TEMPORARY SITE RESTORATION SHALL TAKE PLACE IN DISTURBED AREAS THAT WILL NOT BE BROUGHT TO FINAL GRADE OR ON WHICH LAND DISTURBING ACTIVITIES WILL NOT BE PERFORMED FOR A PERIOD GREATER THAN 14 DAYS AND REQUIRES VEGETATIVE COVER FOR LESS THAN ONE YEAR. THIS TEMPORARY SITE RESTORATION REQUIREMENT ALSO APPLIES TO SOIL STOCKPILES THAT EXIST FOR MORE THAN 7 DAYS. PERMANENT RESTORATION APPLIES TO AREAS WHERE PERENNIAL VEGETATIVE COVER IS NEEDED TO PERMANENTLY STABILIZE AREAS OF EXPOSED SOIL. PERMANENT STABILIZATION SHALL OCCUR WITHIN 3 WORKING DAYS OF FINAL GRADING. TOPSOIL, SEED, AND MULCH SHALL BE IN GENERAL CONFORMANCE WITH TECHNICAL STANDARDS 1058 AND 1059 AND SHALL MEET THE SPECIFICATIONS FOUND IN THE LANDSCAPING AND SITE STABILIZATION SECTION OF THIS CONSTRUCTION DOCUMENT. ANY SOIL EROSION THAT OCCURS AFTER FINAL GRADING AND/OR FINAL STABILIZATION MUST BE REPAIRED AND THE STABILIZATION WORK REDONE.
   9. IF SITE DEWATERING IS REQUIRED FOR PROPOSED CONSTRUCTION ACTIVITIES, ALL SEDIMENT LADEN WATER GENERATED DURING THE DEWATERING PROCESS SHALL BE TREATED TO REMOVE SEDIMENT PRIOR TO DISCHARGING OFF-SITE OR TO WATERS OF THE STATE. FOLLOW ALL PROCEDURES FOUND IN TECHNICAL STANDARD 1061.
   10. ALL OFF-SITE SEDIMENT DEPOSITS OCCURRING AS A RESULT OF CONSTRUCTION WORK OR A STORM EVENT SHALL BE CLEANED UP BY THE END OF EACH WORKING DAY. DUST CONTROL REQUIREMENTS SHALL BE FOLLOWED PER WI DNR TECHNICAL STANDARD 1068 (CURRENT EDITION). FLUSHING SHALL NOT BE ALLOWED.
C. ALL EROSION CONTROL DEVICES SHALL AT A MINIMUM BE INSPECTED EVERY 7 CALENDAR DAYS OR EVERY 14 DAYS AND WITHIN 24 HOURS OF THE END OF A RAIN EVENT OF 0.5" OR MORE. MAINTENANCE SHALL BE PERFORMED PER WISCONSIN ADMINISTRATIVE CODE (W.A.C.) NR 151 STORMWATER MANAGEMENT TECHNICAL STANDARD REQUIREMENTS.
D. EROSION CONTROL MEASURES SHALL NOT BE REMOVED UNTIL THE AREA(S) SERVED HAVE ESTABLISHED VEGETATIVE COVER.
E. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL LOCAL EROSION CONTROL PERMITS.

DIVISION 32 EXTERIOR IMPROVEMENTS

32 10 00 AGGREGATE BASE & ASPHALT PAVEMENT

A. CONTRACTOR TO PROVIDE COMPACTED AGGREGATE BASE AND HOT MIX ASPHALT PAVEMENT WHERE INDICATED ON THE PLANS. ALL AGGREGATE PROVIDED MUST COMPLY WITH SECTION 305 OF THE WISCONSIN STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION. PROVIDE HOT MIX ASPHALT MIXTURE TYPES PER SECTION 460 OF THE WISCONSIN STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION. CONTRACTOR SHALL OBTAIN AND REVIEW SOILS REPORT FOR RECOMMENDATIONS FOR GEO-GRID / GEOTEXTILE BELOW CRUSHED AGGREGATE (IF APPLICABLE). CONTRACTOR TO PROVIDE AGGREGATE BASE AND HOT MIX ASPHALT PAVEMENT TYPES AND DEPTHS AS INDICATED BELOW:

STANDARD ASPHALT PAVING SECTION
1-3/4" SURFACE COURSE (5 LT 58-28S)
(WISDOT 455.2.5 TACK COAT (STAGED PAVING)
1-3/4" BINDER COURSE (4 LT 58-28S)
9" OF 1-1/4" CRUSHED AGGREGATE

HEAVY ASPHALT PAVING SECTION
2" SURFACE COURSE (5 LT 58-28S)
WISDOT 455.2.5 TACK COAT (STAGED PAVING)
1-3/4" BINDER COURSE (4 LT 58-28S)
12" OF 1-1/4" CRUSHED AGGREGATE

MILL & OVERLAY
MILL 2" OF SURFACE ASPHALT PAVEMENT
WISDOT 455.2.5 TACK COAT
2" SURFACE COURSE (5 LT 58-28S)

B. CONTRACTOR TO COMPACT THE AGGREGATE BASE, ASPHALT BINDER COURSE, AND ASPHALT SURFACE COURSE TO AN AVERAGE DENSITY PER WISCONSIN STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION. ALL ASPHALT PAVEMENT AREAS SHALL BE PAVED TO WITHIN 0.05' OF DESIGN SURFACE GRADES WITH POSITIVE DRAINAGE BEING MAINTAINED IN ACCORDANCE WITH DESIGN PLANS. A MINIMUM OF 1.5% SLOPE SHALL BE MAINTAINED IN ALL ASPHALT PAVEMENT AREA.
C. HOT MIX ASPHALT CONSTRUCTION TO BE PROVIDED PER MORE STRINGENT REQUIREMENTS OF GEOTECHNICAL REPORT OR CONSTRUCTION DOCUMENTS.
D. CONTRACTOR TO PROVIDE 4" WIDE YELLOW PAINTED STRIPING FOR PARKING STALLS, TRAFFIC LANES, AND NO PARKING AREAS. YELLOW PAINT MARKINGS SHALL ALSO BE PROVIDED FOR H.C. ACCESSIBLE SYMBOLS, TRAFFIC ARROWS, AND TRAFFIC MESSAGES.

32 20 00 CONCRETE AND AGGREGATE BASE

A. CONTRACTOR TO PROVIDE CRUSHED AGGREGATE BASE AND CONCRETE WHERE INDICATED ON THE PLANS.
B. 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 DENSITY PER WISCONSIN STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION.
C. DESIGN AND CONSTRUCTION OF ALL CAST-IN-PLACE EXTERIOR CONCRETE FLAT WORK SHALL CONFORM TO ACI 330R-08 & ACI 318-08.
D. EXTERIOR CONCRETE FLAT WORK CONSTRUCTION TO BE PROVIDED PER MORE STRINGENT REQUIREMENTS OF THE GEOTECHNICAL REPORT OR THIS SPECIFICATION. CONCRETE FLAT WORK CONSTRUCTION IS AS FOLLOWS:
   1. SIDEWALK CONCRETE - 4" OF CONCRETE OVER 4" OF 3/4" CRUSHED AGGREGATE BASE. CONTRACTION JOINTS SHALL CONSIST OF 1/8" WIDE BY 1" DEEP TOOLED JOINT WHERE INDICATED ON THE PLANS.
   2. DUMPSTER PAD/APRON CONCRETE - 8" OF CONCRETE OVER 6" OF AGGREGATE BASE.
      a. CONCRETE SHALL BE STEEL REINFORCED WITH THE FOLLOWING AND PLACED IN THE UPPER 1/3 TO ½ OF THE SLAB:
         1) TIE BARS AT ALL CONTRACTION JOINTS OF THE CONCRETE. TIE BARS SHALL BE #4 REBAR 30" LONG PLACED AT 30" O.C.
      b. DUMPSTER PAD CONCRETE JOINTING SHALL BE AS FOLLOWS:
         1) CONTRACTION SAWCUT JOINT - CONTRACTOR SHALL PROVIDE A SAWCUT JOINT AT MAXIMUM SPACING OF 15' ON CENTER. SAWCUT SHALL BE 2" IN DEPTH.
         2) TYPICAL POUR CONTROL JOINT - POUR CONTROL JOINT SHALL BE PROVIDED WITH 1-1/4" DIAMETER BY 20" LONG SMOOTH DOWEL PLACED AT 12" O.C. ONE HALF OF THE DOWEL SHALL BE GREASED. GREENSTREAK 9" SPEED DOWEL TUBES SHALL BE USED.
   3. HEAVY DUTY/DRIVE-THRU CONCRETE - 7" OF CONCRETE OVER 6" OF 3/4" CRUSHED AGGREGATE. CONCRETE SHALL BE REINFORCED WITH #3 REBARS ON CHAIRS AT 3' O.C. REBAR SHALL BE PLACED PLACED IN THE UPPER 1/3 TO ½ OF THE SLAB. CONTRACTION JOINTS SHALL BE SAWCUT 1.75" IN DEPTH AND BE SPACED A MAXIMUM OF 15' ON CENTER.
E. DESIGN MIXES SHALL BE IN ACCORDANCE WITH ASTM C94
   1. STRENGTH TO BE MINIMUM OF 4,500 PSI AT 28 DAYS FOR EXTERIOR CONCRETE.
   2. MAXIMUM WATER/CEMENT RATIO SHALL BE 0.45.
   3. SLUMP SHALL NOT EXCEED 4" FOR EXTERIOR CONCRETE FLAT WORK
   4. SLUMP SHALL BE 2.5" OR LESS FOR SLIP-FORMED CURB AND GUTTER
   5. SLUMP SHALL BE BETWEEN 1.5" TO 3" FOR NON SLIP-FORMED CURB AND GUTTER.
   6. ALL EXTERIOR CONCRETE SHALL BE AIR ENTRAINED WITH 4% TO 7% AIR CONTENT. NO OTHER ADMIXTURES SHALL BE USED WITHOUT APPROVAL OF EXCEL ENGINEERING, INC. CALCIUM CHLORIDE SHALL NOT BE USED.
   7. MAXIMUM AGGREGATE SIZE FOR ALL EXTERIOR CONCRETE SHALL BE 0.75 INCHES.
F. VERIFY EQUIPMENT CONCRETE PAD SIZES WITH CONTRACTOR REQUIRING PAD. PADS SHALL HAVE FIBERMESH 300 FIBERS AT A RATE OF 1.5 LBS/CU YD. OR 6 6-WI 4 X WI 4 WELDED WIRE MESH WITH MINIMUM 1 INCH COVER. EQUIPMENT PADS SHALL BE 5.5 INCHES THICK WITH 1 INCH CHAMFER UNLESS SPECIFIED OTHERWISE. COORDINATE ADDITIONAL PAD REQUIREMENTS WITH RESPECTIVE CONTRACTOR.
G. ALL CONCRETE FLAT WORK SURFACES AND CONCRETE CURB FLOWLINES SHALL BE CONSTRUCTED TO WITHIN 0.05' OF DESIGN SURFACE AND FLOWLINE GRADES ASSUMING POSITIVE DRAINAGE IS MAINTAINED IN ACCORDANCE WITH THE DESIGN PLANS.
H. 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.). IF CONCRETE PAVEMENT IS ADJACENT TO CONCRETE CURB, JOINTING IN THE PAVEMENT AND CURB SHALL ALIGN. ALL EXTERIOR CONCRETE SHALL HAVE A BROOM FINISH UNLESS NOTED OTHERWISE. A UNIFORM COAT OF A HIGH SOLIDS CURING COMPOUND MEETING ASTM C309 SHALL 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.
I. ALL REINFORCING BARS SHALL BE ASTM A615 GRADE 60. THICKNESS OF CONCRETE COVER OVER REINFORCEMENT SHALL BE NOT LESS THAN 3" WHERE CONCRETE IS DEPOSITED AGAINST THE GROUND WITHOUT THE USE OF FORMS AND NOT LESS THAN 1.5" FOR #6 OR #5 BARS AND 2" FOR #4 TO #1 BARS IN ALL OTHER LOCATIONS. ALL REINFORCING SHALL BE LAPPED 48 DIAMETERS FOR UP TO #6 BARS, 62 DIAMETERS FOR #7 TO #9 BARS, 68 DIAMETERS FOR #10 BARS OR AS NOTED ON THE DRAWINGS AND EXTENDED AROUND CORNERS WITH CORNER BARS. PLACING AND DETAILING OF STEEL REINFORCING AND REINFORCING SUPPORTS SHALL BE IN ACCORDANCE WITH CRSI MSP-1 AND ACI MANUAL AND STANDARD PRACTICES. THE REINFORCEMENT SHALL NOT BE PAINTED AND MUST BE FREE OF GREASE/OIL, DIRT, OR DEEP RUST WHEN PLACED IN THE WORK. ALL WELDED WIRE FABRIC SHALL MEET THE REQUIREMENTS OF ASTM A 1064. WELDED WIRE FABRIC SHALL BE PLACED 2" FROM TOP OF SLAB, UNLESS INDICATED OTHERWISE.
J. CONTRACTOR SHALL ENGAGE A QUALIFIED INDEPENDENT TESTING AND INSPECTING AGENCY TO SAMPLE MATERIALS, PERFORM TESTS, AND SUBMIT TEST REPORTS DURING CONCRETE PLACEMENT. TESTS WILL BE PERFORMED ACCORDING TO ACI 301. CAST AND LABORATORY CURE ONE SET OF FOUR STANDARD CYLINDERS FOR EACH COMPOSITE SAMPLE FOR EACH DAY'S POUR OF EACH CONCRETE MIX EXCEEDING 5 CU. YD., BUT LESS THAN 25 CU. YD., PLUS ONE SET FOR EACH ADDITIONAL 50 CU. YD. OR FRACTION THEREOF. PERFORM COMPRESSIVE-STRENGTH TESTS ACCORDING TO ASTM C 39. TEST TWO SPECIMENS AT 7 DAYS AND TWO SPECIMENS AT 28 DAYS. PERFORM SLUMP TESTING ACCORDING TO ASTM C 143. PROVIDE ONE TEST AT POINT OF PLACEMENT FOR EACH COMPOSITE SAMPLE. BUT NOT LESS THAN ONE TEST FOR EACH DAY'S POUR OF EACH CONCRETE MIX. PERFORM ADDITIONAL TESTS WHEN CONCRETE CONSISTENCY APPEARS TO CHANGE.
K. PROTECT FRESHLY PLACED CONCRETE FROM PREMATURE DRYING AND EXCESSIVE COLD OR HOT TEMPERATURES. IN HOT, DRY, AND/OR WINDY WEATHER, APPLY AN EVAPORATION-CONTROL COMPOUND ACCORDING TO MANUFACTURER'S INSTRUCTIONS AFTER SCREEDING AND BULL FLOATING, BUT BEFORE POWER FLOATING AND TROWELLING.
   LIMIT MAXIMUM WATER-CEMENTITIOUS RATIO OF CONCRETE EXPOSED TO FREEZING, THAWING, AND DEICING SALTS TO 0.45.
M. 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 ON SITE, 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.

32 30 00 LANDSCAPING AND SITE STABILIZATION

A. TOPSOIL: CONTRACTOR TO PROVIDE A MINIMUM OF 6" OF TOPSOIL FOR ALL DISTURBED OPEN AREAS, OTHER THAN LANDSCAPE ISLANDS SHALL BE PROVIDED WITH A MINIMUM OF 10" OF TOPSOIL. REUSE SURFACE SOIL STOCKPILED ON SITE AND SUPPLEMENT WITH IMPORTED OR MANUFACTURED TOPSOIL FROM OFF SITE SOURCES WHEN QUANTITIES ARE INSUFFICIENT. EXCAVATOR SHALL BE RESPONSIBLE FOR ROUGH PLACEMENT OF TOPSOIL TO WITHIN 1" OF FINAL GRADE PRIOR TO LANDSCAPER FINAL GRADING. LANDSCAPER TO PROVIDE PULVERIZING AND FINAL GRADING OF TOPSOIL. 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. TEST SOIL FOR THE PRESENCE OF ATRAZINE AND INFORM EXCEL ENGINEERING, INC. IF PRESENT PRIOR TO BIDDING PROJECT. 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 6 INCHES 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 6" 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.
B. SEEDED LAWNS:
   1. 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. FOLLOW PROCEDURES FOUND IN WDNR TECHNICAL STANDARDS 1058 & 1059.
   2. ALL PERMANENT AND TEMPORARY STORM WATER CONVEYANCE SWALE BOTTOMS AND SIDE SLOPES SHALL BE SEEDED WITH THE FOLLOWING MIXTURE: 45% KENTUCKY BLUEGRASS (0.60 LBS./1000 S.F.), 40% CREEPING RED FESCUE (0.50 LBS./1,000 S.F.), AND 15% PERENNIAL RYEGRASS (0.20 LBS./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. FOLLOW PROCEDURES FOUND IN WDNR TECHNICAL STANDARDS 1058 & 1059.
   3. ALL TEMPORARY SEEDING SHALL CONSIST OF THE FOLLOWING MIXTURE: 100% RYEGRASS AT 1.9 LBS./1,000 S.F. STRAW AND MULCH SHALL BE LAID AT 100 LBS./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. FOLLOW PROCEDURES FOUND IN WDNR TECHNICAL STANDARDS 1058 & 1059.
C. SEEDED LAWN MAINTENANCE: CONTRACTOR TO PROVIDE MAINTENANCE OF ALL LANDSCAPING FOR A PERIOD OF 90 DAYS FROM THE DAT

BY GRAPHIC PLOTTING ONLY, THIS PROPERTY IS IN ZONE "X" OF THE FLOOD INSURANCE RATE MAP, COMMUNITY PANEL NO. 55087C0344D, WHICH BEARS AN EFFECTIVE DATE OF 7/21/2010 AND IS NOT IN A SPECIAL FLOOD HAZARD AREA

BENCHMARKS BY BLEW & ASSOCIATES:

TBM #1
SET MAG-NAIL
NORTHING: 162017.97
EASTING: 2420921.08
ELEVATION: 714.85'

TBM #2
SET MAG-NAIL
NORTHING: 161816.80
EASTING: 2420774.15
ELEVATION: 717.81'

BENCHMARK BY HEBERT ASSOCIATES:

BURY BOLT ON FIRE HYDRANT AT SOUTHEAST CORNER OF CROOKS AVENUE AND EAST 18TH STREET
ELEV.=717.68

SURVEY NOTE:

EXISTING CONDITIONS SURVEY WAS COMPLETED BY BLEW & ASSOCIATES, P.A. ON SEPTEMBER 30, 2024. CONTACT BLEW & ASSOCIATES, P.A. AT (479) 443-4506 WITH ANY QUESTIONS REGARDING SURVEY OR EXISTING CONDITIONS INFORMATION.

LEGEND:

- REMOVE PAVEMENT & BASE
- MILL EXISTING ASPHALT SURFACE, PROTECT BASE
- REMOVE FEATURES

GENERAL NOTE:

CONTRACTOR TO FIELD VERIFY EXISTING UTILITIES AND PROVIDE INFORMATION TO DESIGN ENGINEER PRIOR TO CONSTRUCTION. DOWNSTREAM UTILITY CONNECTIONS **MUST** BE VERIFIED PRIOR TO CONSTRUCTION AND PROVIDED TO ENGINEER.

GENERAL NOTE:

OBTAIN APPROVAL FROM NEIGHBORING PROPERTY OWNER TO THE SOUTH FOR WORK ON THEIR PROPERTY PRIOR TO CONSTRUCTION.

KEYNOTES

A	REMOVE BOLLARD
B	FIELD VERIFY EXISTING STORM PIPE IS NOT IN USE. ABANDON IN PLACE. INFORM ENGINEER OF ANY DISCREPANCIES.
D	MILL EXISTING ASPHALT SURFACE AND PROTECT BASE
E	SAWCUT (AS NECESSARY) AND REMOVE CONCRETE AND BASE
F	REMOVE GLASS TOWER
G	REMOVE CURB. SAWCUT (AS NECESSARY)
H	REMOVE FLAG POLE
I	PROTECT EXISTING CURB
J	REMOVE STORM PIPING TO EXTENTS
K	REMOVE LIGHT POLE
L	REMOVE AND REPLACE PARKING STALL PAVEMENT MARKINGS (TYP) (SEE LAYOUT ON SHEET C1.1)
M	RECYCLE GRAVEL AS NEEDED
N	REMOVE STORM STRUCTURE
O	REMOVE POLE SIGN
P	DEMOLISH BUILDING. CAP EXISTING UTILITIES. FOLLOW LOCAL AND STATE REQUIREMENTS FOR REMOVAL OF POSSIBLE ASBESTOS MATERIALS.
Q	REMOVE ELECTRICAL EQUIPMENT. COORDINATE WITH UTILITY COMPANY.
R	FIELD VERIFY AND TELEVISE EXISTING SANITARY LINE. INFORM ENGINEER OF ANY DISCREPANCIES.
S	REMOVE TREE IF NECESSARY.
T	PROTECT STORM STRUCTURE
U	REMOVE SANITARY LINE TO EXTENTS
V	CAP AND ABANDON EXISTING GAS SERVICE PER UTILITY COMPANY STANDARDS. COORDINATE WITH UTILITY COMPANY.

LEGEND & SYMBOLS

- FOUND MONUMENT AS NOTED
- SET MONUMENT AS NOTED
- COMPUTED POINT
- HANDICAP PARKING
- FIRE HYDRANT
- LIGHT
- SANITARY MANHOLE (SMH)
- BOLLARD
- POWER POLE
- ELECTRIC METER
- ELECTRIC BOX
- ELECTRIC MANHOLE
- MONITORING WELL
- WATER VALVE
- CIRCLE INLET (CI)
- GRATED INLET (GI)
- STORM MANHOLE (DMH)
- TELEPHONE PEDESTAL
- CLEANOUT
- GAS METER
- SIGN
- FLAG POLE
- GAS METER
- TRAFFIC POLE
- BACK OF CURB (BOC)
- FLOW LINE (FL)
- TOP OF CONCRETE (TC)
- EDGE OF CONCRETE (EC)
- TOP OF ASPHALT (TA)
- EDGE OF ASPHALT (EA)
- NATURAL GROUND (NG)
- POLYVINYL CHLORIDE PIPE (PVC)
- CORRUGATED METAL PIPE (CMP)
- REINFORCED CONCRETE PIPE (RCP)
- MEASURED/CALCULATED DIMENSION (M)
- RECORD DIMENSION (R)
- NOW OR FORMERLY (N/F)
- BUILDING HEIGHT LOCATION (BHL)
- POINT OF BEGINNING (P.O.B.)
- BOUNDARY LINE
- ADJOINER/TIE LINE
- EASEMENT LINE
- RIGHT-OF-WAY LINE (R/W)
- CENTERLINE (C/L)
- FENCE LINE
- OVERHEAD POWER LINE
- UNDERGROUND SANITARY SEWER LINE (SS)
- UNDERGROUND STORM DRAIN LINE (SD)
- UNDERGROUND ELECTRIC LINE (UGE)
- UNDERGROUND TELEPHONE LINE (BTL)
- UNDERGROUND GAS LINE (GAS)
- UNDERGROUND WATER LINE (WL)
- MAJOR CONTOUR
- MINOR CONTOUR

INVERT TABLE

DMH#1 RIM ELEVATION: 716.61' 30" CMP INVERT N: 706.6' 30" CMP INVERT E: 706.6' 24" CMP INVERT S: 708.8'	SMH#1 RIM ELEVATION: 714.44' 8" PVC INVERT N: 705.9' 8" PVC INVERT E: 705.9' 8" PVC INVERT S: 705.9'	GI#6 RIM ELEVATION: 716.17' 12" CMP INVERT W: 711.6'	GI#12 RIM ELEVATION: 717.33' 12" CMP INVERT W: 712.6'
DMH#2 RIM ELEVATION: 715.03' 30" CMP INVERT W: 705.4' 30" CMP INVERT E: 705.4' 12" CMP INVERT S: 709.2' 12" CMP INVERT N: 709.2'	SMH#2 RIM ELEVATION: 716.83' 8" PVC INVERT W: 708.4' 8" PVC INVERT E: 708.5'	GI#7 RIM ELEVATION: 716.17' 10" PVC INVERT W: 711.9' 12" CMP INVERT E: 711.8'	GI#13 RIM ELEVATION: 717.26' 4" PVC INVERT W: 713.2' 4" PVC INVERT E: 713.1' 4" PVC INVERT S: 715.2' 12" CMP INVERT N: 712.4'
DMH#3 RIM ELEVATION: 714.78' 12" CMP INVERT W: 709.8' 12" CMP INVERT E: 709.6' 24" CMP INVERT S: 707.8' 24" CMP INVERT N: 707.8'	GI#1 RIM ELEVATION: 718.67' 12" RCP INVERT W: 715.5'	GI#8 RIM ELEVATION: 716.32' 12" RCP INVERT W: 712.1' 10" PVC INVERT E: 712.0'	
DMH#4 RIM ELEVATION: 717.50' 12" CMP INVERT W: 711.3' 12" CMP INVERT E: 711.5' 24" CMP INVERT S: 709.7' 24" CMP INVERT N: 709.7'	GI#2 RIM ELEVATION: 716.83' 12" PVC INVERT N: 712.8'	GI#9 RIM ELEVATION: 716.51' 12" RCP INVERT W: 712.2' 12" RCP INVERT E: 712.2' 12" RCP INVERT N: 712.2'	
DMH#5 RIM ELEVATION: 717.37' 12" CMP INVERT W: 711.8' 12" CMP INVERT E: 711.9' 12" CMP INVERT S: 712.3' 12" CMP INVERT N: 712.0'	GI#3 RIM ELEVATION: 716.19' 12" PVC INVERT S: 712.2' 18" RCP INVERT N: 712.1'	GI#10 RIM ELEVATION: 716.03' 12" RCP INVERT E: 712.8'	
	GI#4 RIM ELEVATION: 714.29' 30" RCP INVERT W: 707.8' 30" CMP INVERT E: 707.2' 18" RCP INVERT S: 708.0'	GI#11 RIM ELEVATION: 717.20' 12" CMP INVERT E: 712.3' 12" PVC INVERT N: 712.8' 4" PVC INVERT N: 712.8' 10" PVC INVERT S: 714.2' 4" PVC INVERT S: 712.9' 10" PVC INVERT W: 714.2'	
	GI#5 RIM ELEVATION: 716.43' 12" CMP INVERT N: 711.7'		

LINE TABLE

LINE	BEARING	DISTANCE	LINE	BEARING	DISTANCE
L1	N 89°33'09" E	50.01'	L1	S 89°16'20" E	50.00'
L2	N 00°31'01" W	50.00'	L2	N 00°39'30" E	50.00'
L3	N 89°33'09" E	100.00'	L3	S 89°16'20" E	100.00'
L4	N 00°31'01" W	50.00'	L4	N 00°39'30" E	50.00'
L5	N 89°29'33" E	48.74'	L5	S 89°16'20" E	48.75'
L6	N 89°29'33" E	5.01'	L6	--	--
L7	S 89°36'55" W	60.00'	L7	--	--
L8	S 89°29'33" W	55.29'	L8	--	--
L9	S 89°36'21" W	8.39'	L9	--	--
L10	S 89°33'09" W	26.43'	L10	--	--
L11	N 89°24'02" E	35.09'	L11	--	--

SCALE: 1"= 20'
20' 0 20' 40'
NORTH

CIVIL EXISTING SITE AND DEMOLITION PLAN

EXCEL
Always a Better Plan
100 Camelot Drive
Fond du Lac, WI 54935
920-926-9800
excelengineer.com

PROJECT INFORMATION

NEW BUILDING FOR:
PACIFIC BELLS LLC
1800 CROOKS AVENUE • KAUKAUNA, WI 54130

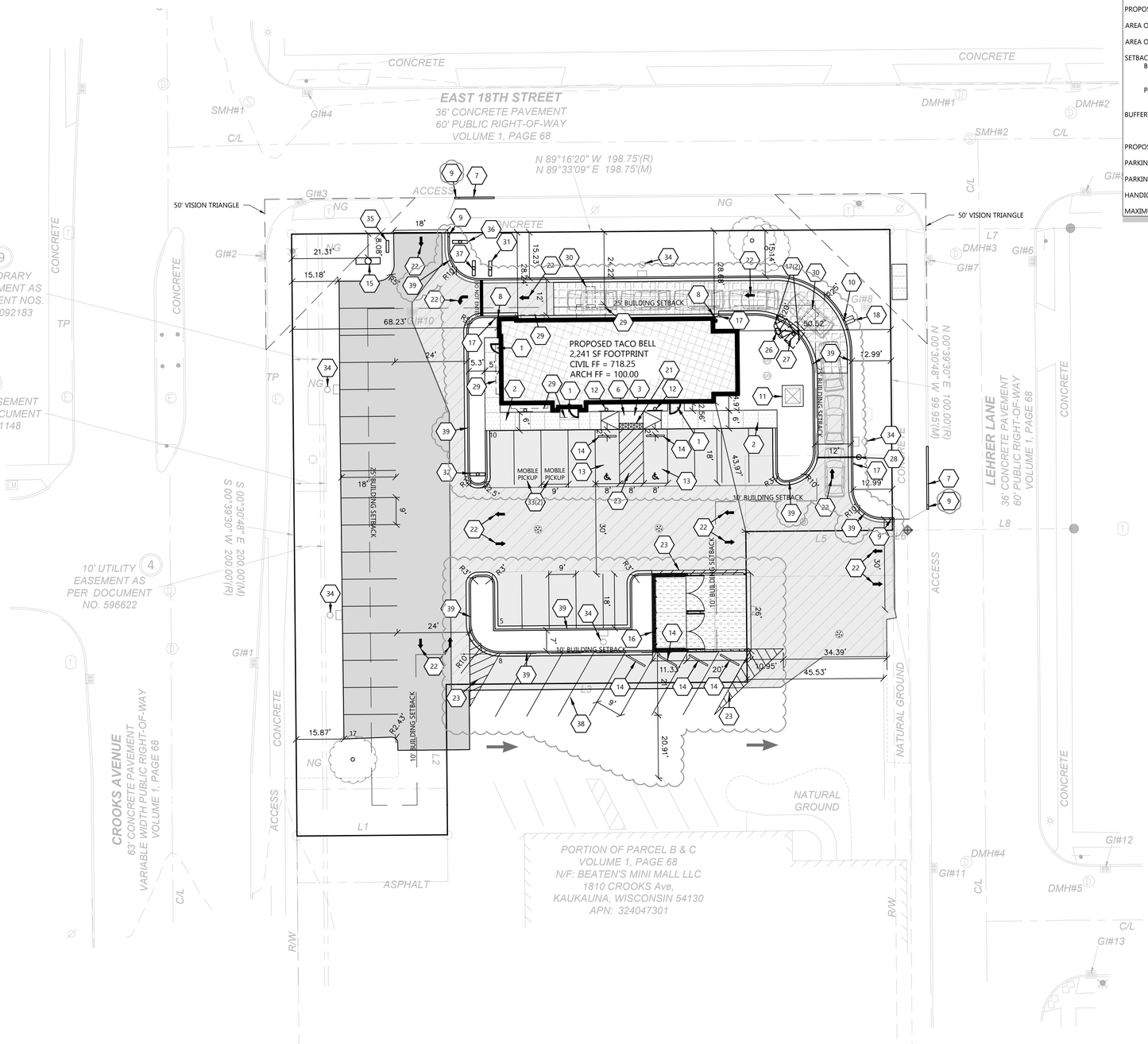
PROFESSIONAL SEAL

SHEET DATES

SHEET ISSUE	DEC. 6, 2024
REVISIONS	
AD1	JAN. 9, 2025
CB1	MAY 7, 2025

JOB NUMBER
240296000

SHEET NUMBER
C1.0



SITE INFORMATION:

A PARCEL OF LAND BEING PART OF PARCEL "A" AND "B", OUTAGAMIE COUNTY CERTIFIED SURVEY MAP NO. 68, RECORDED IN VOLUME 1 OF CERTIFIED SURVEY MAPS, PAGE 68, OUTAGAMIE COUNTY RECORDS, ORIGINALLY BEING A PART OF SUB-LOT "A" OF GOVERNMENT LOT FIVE (5)

APN: 324047300

PROPERTY AREA: 29,875 S.F. (0.686 ACRES)

EXISTING ZONING: CHD (COMMERCIAL HIGHWAY DISTRICT)

PROPOSED ZONING: CHD (COMMERCIAL HIGHWAY DISTRICT)

PROPOSED USE: QUICK SERVE RESTAURANT W/ DRIVE-THRU

AREA OF SITE DISTURBANCE: 22,701 (0.52 ACRES)

AREA OF IMPERVIOUS SURFACE DISTURBANCE AND CREATION: 19,221 S.F. (0.44 ACRES)

SETBACKS:
BUILDING: FRONT (WEST, NORTH, EAST) = 25'
SIDE (SOUTH) = 10'
PAVEMENT: FRONT (WEST, NORTH, EAST) = 0'
SIDE (SOUTH) = 0'
BUFFERYARDS:
FRONT (WEST, NORTH, EAST) = 0'
SIDE (SOUTH) = 0'

PROPOSED BUILDING HEIGHT: 23' (MAX. HEIGHT ALLOWED: 56' OR FOUR STORIES)

PARKING REQUIRED: SUFFICIENT SUCH THAT NO PUBLIC STREET SHALL BE USED

PARKING PROVIDED: 32 SPACES (2 H.C. ACCESSIBLE)

HANDICAP STALLS REQUIRED: 2, HANDICAP STALLS PROVIDED: 2

MAXIMUM LOT COVERAGE - BUILDING ONLY: 35%

LEGEND:

HATCH	PAVEMENT SECTION	HATCH	PAVEMENT SECTION
	STANDARD ASPHALT		HEAVY DUTY CONCRETE
	HEAVY DUTY ASPHALT		DUMPSTER PAD / APRON CONCRETE
	SIDEWALK CONCRETE		MILL & OVERLAY EXISTING ASPHALT

KEYNOTES

1	CONCRETE STOOP (SEE STRUCTURAL PLANS FOR DETAILS)
2	RAISED WALK (SEE DETAIL)
3	FLUSH WALK (SEE DETAIL)
6	ADA CURB RAMP (SEE DETAIL)
7	6" VERTICAL CURB (SEE DETAIL)
8	DRIVE-THRU BUILDING VERTICAL CURB (SEE DETAIL)
9	CURB TAPER (SEE DETAIL)
10	CURB CUT (SEE DETAIL)
11	CONCRETE TRANSFORMER PAD BY UTILITY SUPPLIER (CONTRACTOR TO VERIFY FINAL LOCATION & DESIGN PRIOR TO CONSTRUCTION)
12	HANDICAP SIGN PER STATE CODE (SEE DETAIL)
13	HANDICAP STALL & STRIPING PER STATE CODES
14	PRECAST CONCRETE WHEEL STOP (TYP.)
15	PYLON SIGN (DETAILS, FINAL LOCATION, & APPROVAL BY SIGN VENDOR)
16	DUMPSTER ENCLOSURE (SEE ARCH PLANS FOR DETAILS)
17	6" CONCRETE BOLLARDS (TYP.) (SEE DETAIL)
18	CONCRETE FLUME (TYP)
21	DETECTABLE WARNING PLATE PER STATE CODE
22	TRAFFIC FLOW ARROWS (TYP). COLOR TO MATCH PARKING STALL STRIPING
23	PAINT STRIPING (TYP). COLOR TO MATCH PARKING STALL STRIPING
26	MENU BOARD
27	SPEAKER POST, CANOPY, AND BOLLARD
28	CLEARANCE BAR AND BOLLARD WITH DRIVE-THRU SIGN
29	BUILDING CANOPY (TYP.) (SEE ARCH PLANS)
30	DRIVE-THRU LOOP (TYP.)
31	DO NOT ENTER/THANK YOU SIGN
32	DIRECTIONAL SIGNAGE FOR DRIVE-THRU
33	MOBILE PICKUP PARKING STALL WITH ASSOCIATED SIGNAGE AND PAINT STRIPING (TYP.) SIGN BY SIGN VENDOR
34	LIGHT POLE (SEE SHEET C2.2, C3.1, AND ELEC. PLANS FOR DETAILS)
35	ENTRANCE SIGN
36	NO EXIT SIGN
37	STOP SIGN WITH NO RIGHT TURN
38	REVISED EXISTING PARKING (TYP.)
39	18" CONCRETE CURB AND GUTTER (SEE DETAIL)

EXISTING SITE DATA

	AREA (AC)	AREA (SF)	RATIO
BUILDING FLOOR AREA	0.14	6,021	20.2%
PAVEMENT (ASP. & CONC.)	0.40	17,508	58.6%
TOTAL IMPERVIOUS	0.54	23,529	78.8%
LANDSCAPE/ OPEN SPACE	0.15	6,346	21.2%
PROJECT SITE	0.69	29,875	100.0%

PROPOSED SITE DATA

	AREA (AC)	AREA (SF)	RATIO
BUILDING FLOOR AREA	0.05	2,241	7.5%
PAVEMENT (ASP. & CONC.)	0.43	18,850	63.1%
TOTAL IMPERVIOUS	0.48	21,091	70.6%
LANDSCAPE/ OPEN SPACE	0.20	8,784	29.4%
PROJECT SITE	0.69	29,875	100.0%

SCALE: 1"= 20'
20' 0 20' 40'
NORTH

CIVIL SITE PLAN

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PROJECT INFORMATION

NEW BUILDING FOR:
PACIFIC BELLS LLC
1800 CROOKS AVENUE • KAUKAUNA, WI 54130

PROFESSIONAL SEAL

SHEET DATES

SHEET ISSUE DEC. 6, 2024

REVISIONS

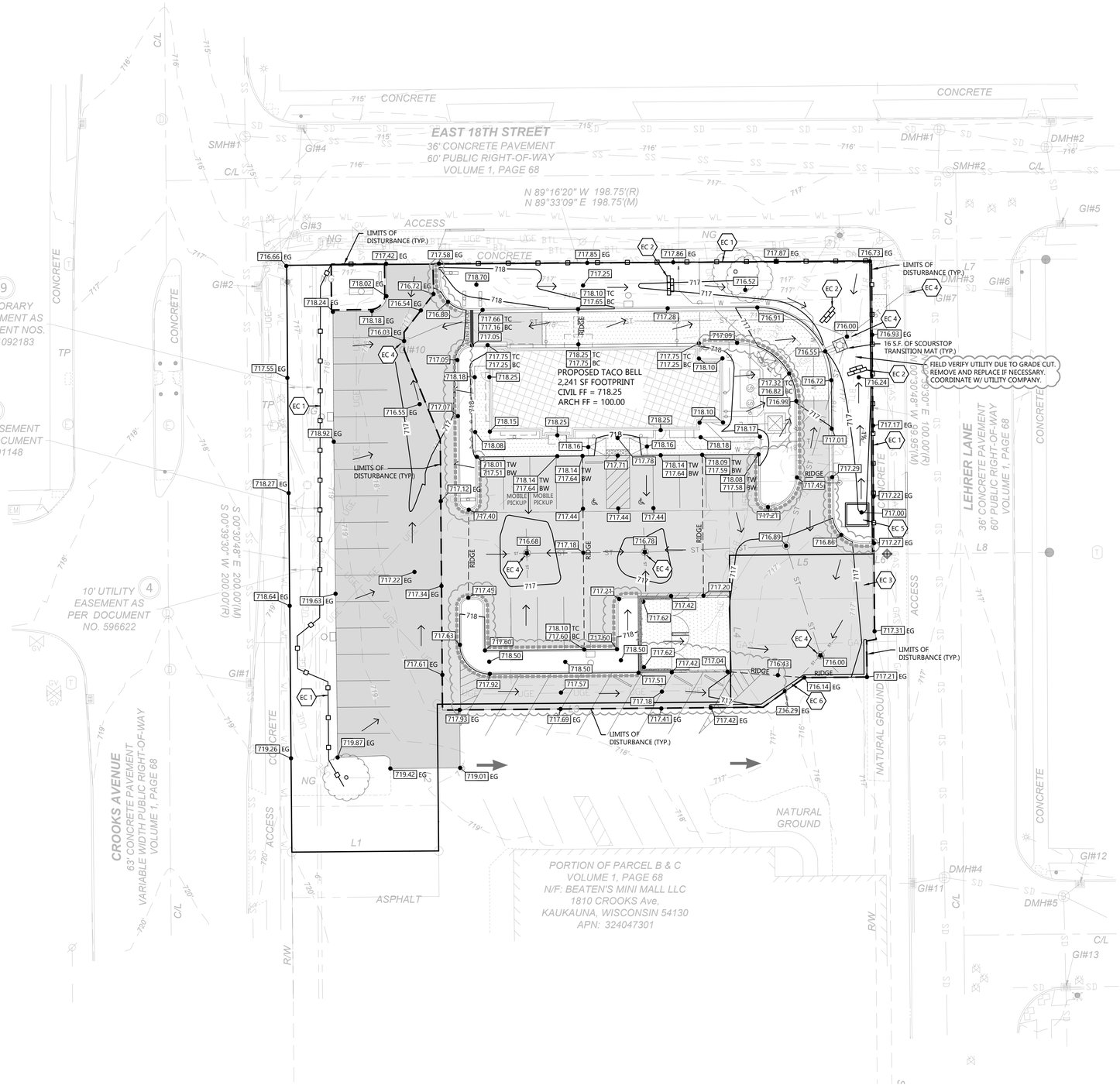
AD1	JAN. 9, 2025
AD2	JAN. 27, 2025
CB1	MAY 7, 2025

JOB NUMBER

240296000

SHEET NUMBER

C1.1



CURB & GUTTER MARKING KEY:

- INVERTED CURB & GUTTER
- SHEDDING CURB & GUTTER

GENERAL NOTES:

- HANDICAP STALL AND ACCESS AISLES SHALL NOT EXCEED A SLOPE OF 1.50% IN ANY DIRECTION. HANDICAP STALL & ACCESS AISLES SHALL CONFORM TO ADA REQUIREMENTS (CURRENT EDITION)
- ALL SIDEWALKS SHALL NOT EXCEED A MAXIMUM CROSS SLOPE OF 1.50% AND RUNNING SLOPE OF 4.50% UNLESS OTHERWISE SPECIFIED.
- CONTRACTOR SHALL PROVIDE STABILIZED CONSTRUCTION ENTRANCE AT CONSTRUCTION ENTRANCE FOR PROPOSED IMPROVEMENTS AS REQUIRED PER CODE.
- CONTRACTOR SHALL PROVIDE CONCRETE WASHOUT AS REQUIRED PER CODE. FINAL LOCATION TBD BY CONTRACTOR.
- CONTRACTOR SHALL PROVIDE TEMPORARY INLET PROTECTION FOR ALL CURB INLETS & CATCH BASINS ONSITE & OFFSITE IMMEDIATELY DOWNSTREAM OF THE PROJECT SITE PER LOCAL CODE.
- CONTRACTOR SHALL NOTIFY THE DIRECTOR OF PUBLIC WORKS WITHIN 48 HOURS OF COMMENCING ANY LAND DISTURBING CONSTRUCTION ACTIVITY.

KEYNOTES

EC 1	SILT FENCE
EC 2	DITCH CHECK
EC 3	STABILIZED CONSTRUCTION ENTRANCE
EC 4	INLET PROTECTION
EC 5	CONCRETE WASHOUT
EC 6	SEDIMENT LOG

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PROJECT INFORMATION

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1800 CROOKS AVENUE • KAUKAUNA, WI 54130

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SHEET NUMBER

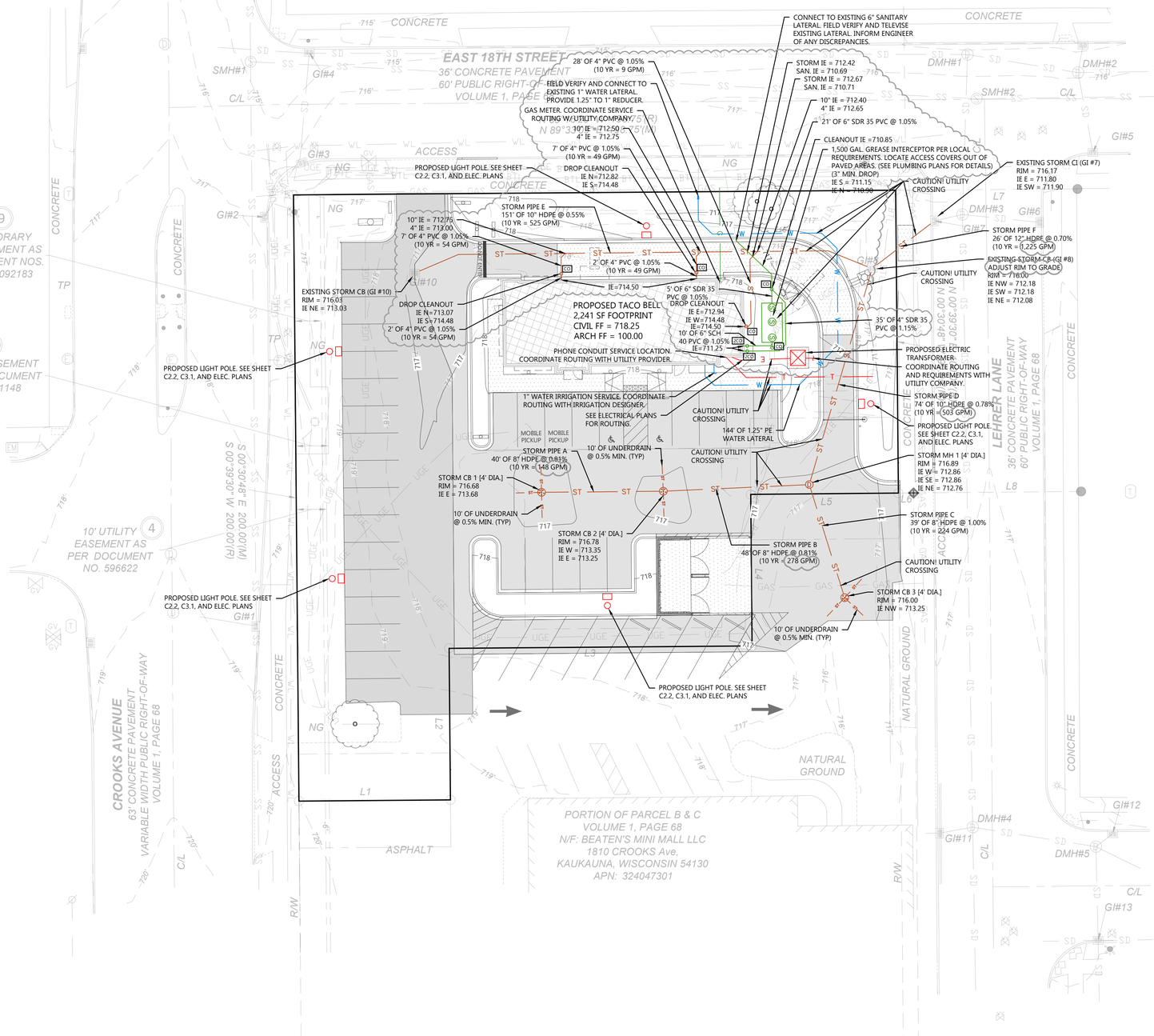
C1.2

SCALE: 1" = 20'
20' 0 20' 40'
NORTH

CIVIL GRADING AND EROSION CONTROL PLAN

GENERAL NOTES:

- CONTRACTOR TO FIELD VERIFY EXISTING UTILITIES AND PROVIDE INFORMATION TO DESIGN ENGINEER PRIOR TO CONSTRUCTION. DOWNSTREAM UTILITY CONNECTIONS **MUST** BE VERIFIED PRIOR TO CONSTRUCTION AND PROVIDED TO ENGINEER.
- FOLLOW GEOTECH RECOMMENDATIONS FOR UNDERDRAINS AT INLET LOCATIONS.



UTILITY CONTACTS

GAS:
WE ENERGIES
KATHY MEYER
800-714-7777 (OFFICE)
262-305-4772 (CELL)
kathy.meyer@we-energies.com

ELECTRIC & WATER:
KAUKAUNA UTILITIES
920-766-5721
kumail@ku-wi.org

SCALE: 1"= 20'
20' 0 20' 40'
NORTH

CIVIL UTILITY PLAN

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PROJECT INFORMATION

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PACIFIC BELLS LLC
1800 CROOKS AVENUE • KAUKAUNA, WI 54130

PROFESSIONAL SEAL

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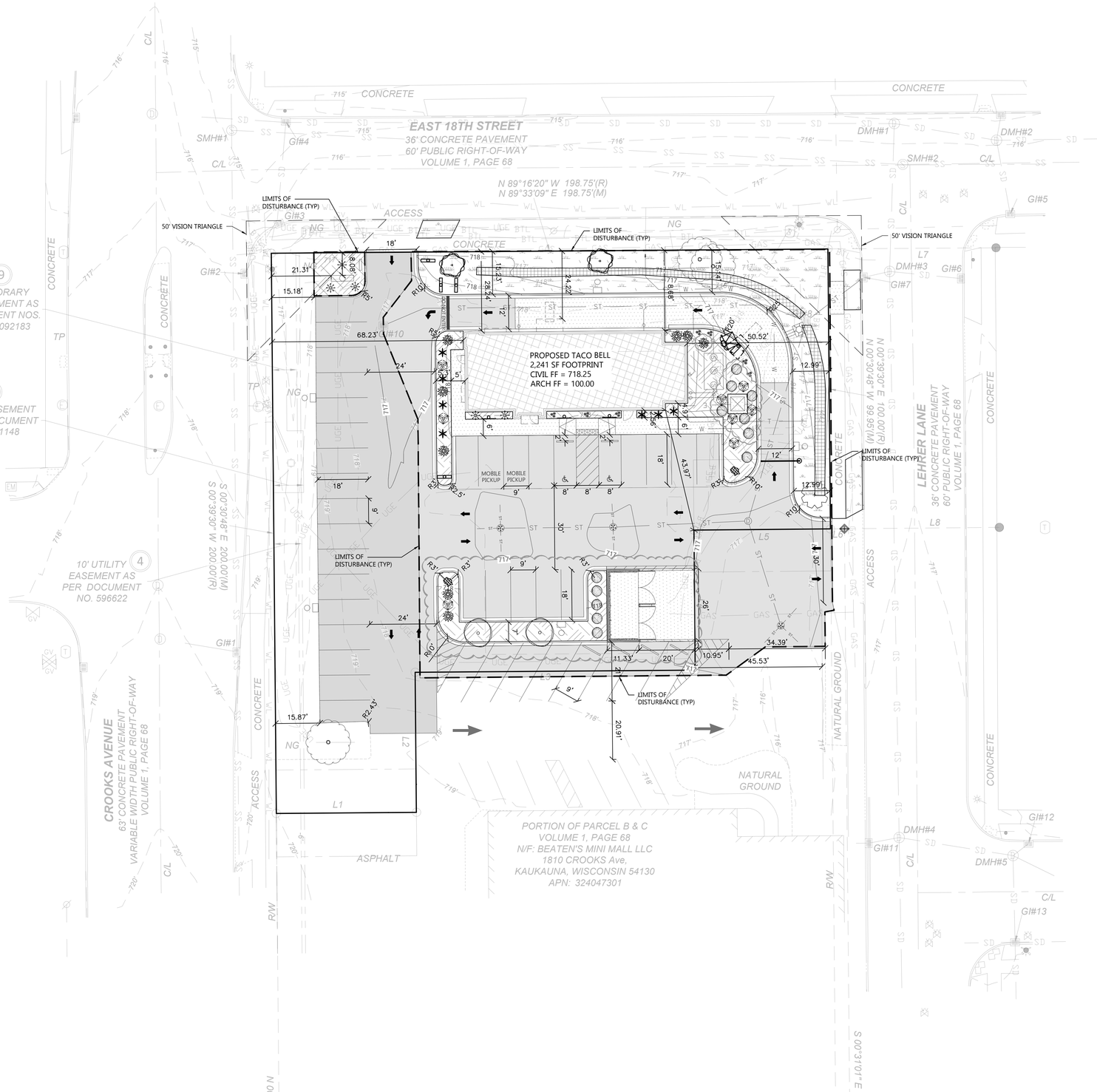
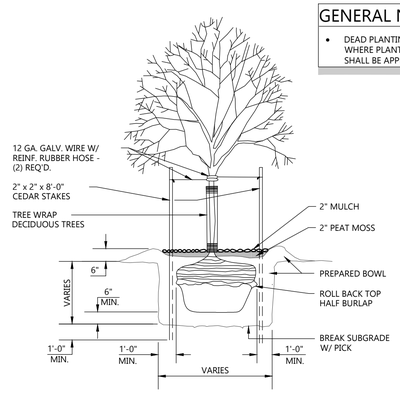
REVISIONS

AD1	JAN. 9, 2025
AD4	MAR. 4, 2025
CB1	MAY 7, 2025

JOB NUMBER
240296000

SHEET NUMBER
C1.3





TREE PLANTING DETAIL

NOT TO SCALE

GENERAL NOTES:

- DEAD PLANTINGS SHALL BE REMOVED AND REPLACED WITHIN 30 DAYS. IN CASES WHERE PLANTINGS CAN'T BE ESTABLISHED IN 30 DAYS, AN APPROPRIATE TIMELINE SHALL BE APPROVED BY THE COMMUNITY DEVELOPMENT DEPARTMENT DESIGNEE.

HATCH KEY:

HATCH	LANDSCAPE MATERIAL
	MINERAL MULCH
	SEEDED LAWN
	EROSION MATTING (NAG C125) OVER SEEDED LAWN (SWALE BOTTOMS)

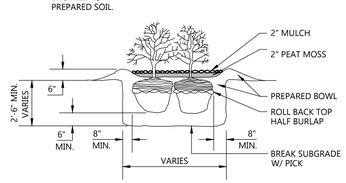
LANDSCAPING PLANTING SCHEDULE

SYMBOL	COMMON NAME	BOTANICAL NAME	PLANTED SIZE	QUANTITY
	DECIDUOUS TREES			
	Red Maple	Acer rubrum	2"	2
	Red Oak	Quercus rubra	2"	1
	Crape Myrtle	Lagerstroemia indica	2"	2
	DECIDUOUS SHRUBS			
	Bush Morning Glory	Conolvulus cneorum	5 gal pot	8
	Adams Needle	Yucca flaccida	5 gal pot	8
	Barberry	Berberis spp.	1 gal pot	12
	PERENNIALS			
	Ajuga	Ajuga repans	1 gal pot	7
	Canadian Juniper	Juniperus communifs	1 gal pot	7
	Daylilies 'Stella de Oro'	Hemerocallis 'Stella de Oro'	1 gal pot	5
	EXISTING TREES			
	EXISTING TREE			3
	GRANITE BOULDERS			
	24"-30" Diameter Granite Boulder		24"-30"	2

LANDSCAPING CALCULATIONS

REQ. PLANTS	PLANTS PROVIDED
1 TREE/75 LF WITHIN FRONT YARD SETBACK ADJACENT TO STREET, INGRESS/EGRESS EXCLUDED (499 LF-53 LF)/75 LF=6 TREES	3 TREES PROPOSED, 3 TREES EXISTING 6 TREES TOTAL
1 SHRUB/5 LF OF BUILDING STREET FRONTAGE 136 LF/5 LF=28 SHRUBS	28 SHRUBS

NOTE: FOR MASS PLANTINGS EXCAVATE ENTIRE BED & BACKFILL W/ PREPARED SOIL.



SHRUB PLANTING DETAIL

NOT TO SCALE

SCALE: 1"= 20'

20' 0 20' 40'

NORTH

CIVIL LANDSCAPE AND RESTORATION PLAN

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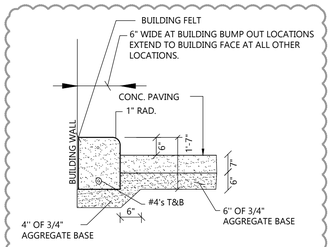
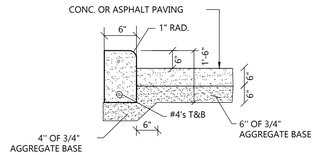


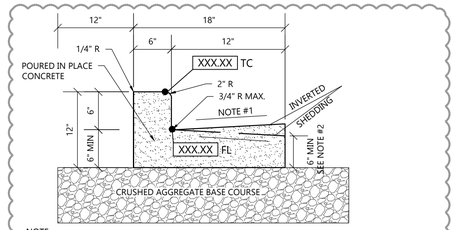
DRIVE-THRU BUILDING VERTICAL CURB DETAIL

NO SCALE



6" VERTICAL CURB DETAIL

NO SCALE

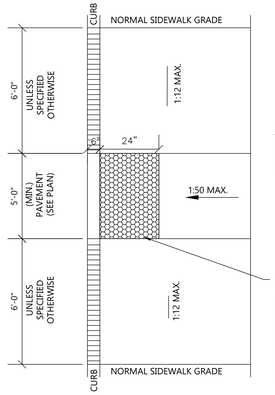


NOTE:

1. USE 4% GUTTER CROSS SLOPE UNLESS OTHERWISE NOTED IN THE PLANS.
2. THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MIN. GUTTER THICKNESS IS MAINTAINED.
3. SEE SITE PLAN & GRADING PLAN FOR INVERTED & SHEDDING CURB LOCATIONS

18" CONCRETE CURB & GUTTER DETAIL

NOT TO SCALE



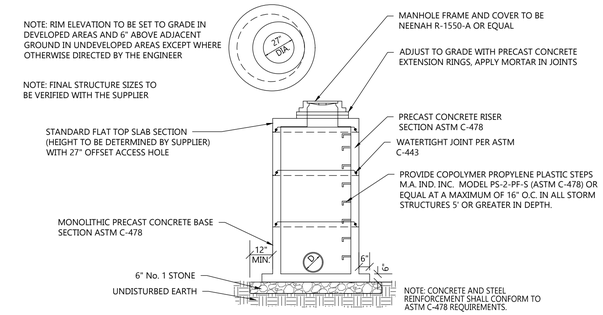
NOTE:
ADA CURB RAMP SHALL CONFORM TO THE CURRENT EDITION OF ADA STANDARDS FOR ACCESSIBLE DESIGN FOR ALL REQUIREMENTS.

DETECTABLE WARNING SURFACE. SURFACE TO BE TRUNCATED DOMES WITH A BASE DIAMETER OF 0.9" MIN. TO 1.4" MAX. AND A TOP DIAMETER OF OF 50% MIN. TO 65% MAX. OF THE BASE DIAMETER. HEIGHT OF DOMES SHALL HAVE A CENTER-TO-CENTER SPACING OF 1.6" MIN. AND 2.4" MAX. AND A BASE-TO-BASE SPACING OF 0.65" MIN. MEASURED BETWEEN THE MOST ADJACENT DOMES ON THE GRID. DOMES SHALL BE ALIGNED IN A SQUARE GRID PATTERN.

PLAN

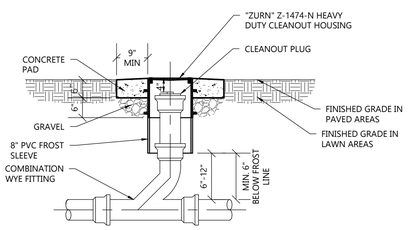
ADA SIDEWALK RAMP DETAIL

NOT TO SCALE



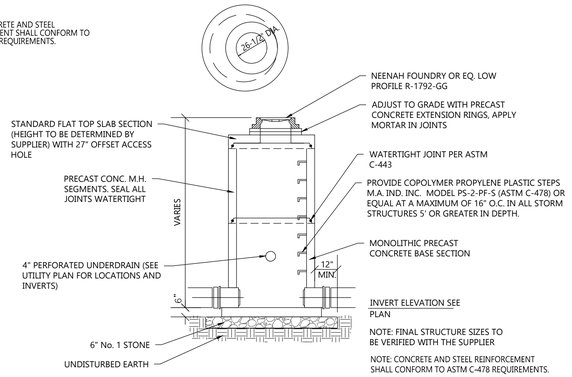
STORM MANHOLE DETAIL

NOT TO SCALE



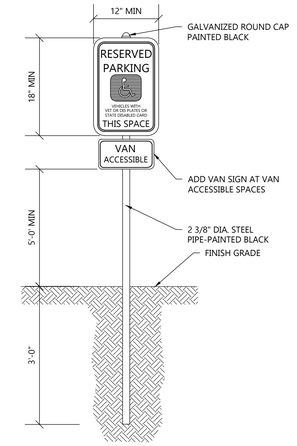
CLEANOUT TO GRADE DETAIL

NOT TO SCALE



STORM CATCH BASIN DETAIL

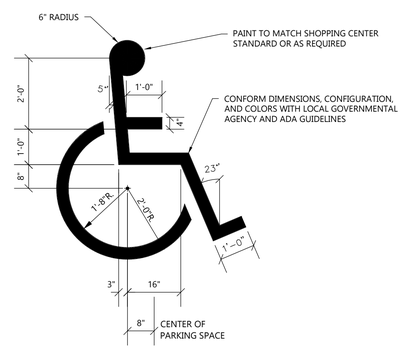
NOT TO SCALE



HANDICAP SIGNAGE WITHOUT CONCRETE BASE DETAIL

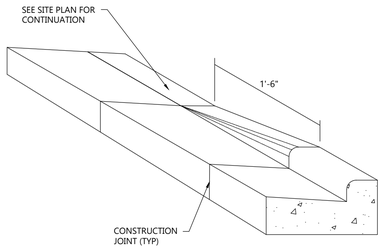
NOT TO SCALE

SPECIFICATION NOTE:
SEE SHEET C0.2 FOR PLAN SPECIFICATIONS AND REQUIREMENTS



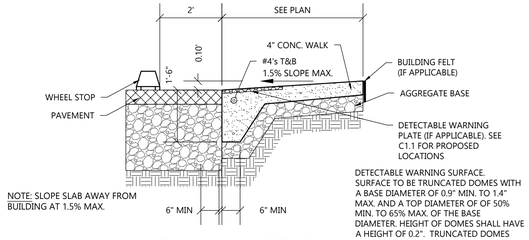
HANDICAP STALL SYMBOL

NOT TO SCALE



CURB TAPER DETAIL

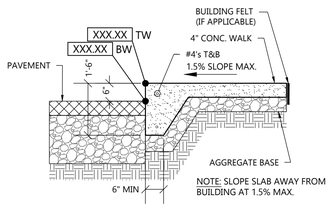
NOT TO SCALE



DETECTABLE WARNING SURFACE. SURFACE TO BE TRUNCATED DOMES WITH A BASE DIAMETER OF 0.9" MIN. TO 1.4" MAX. AND A TOP DIAMETER OF OF 50% MIN. TO 65% MAX. OF THE BASE DIAMETER. HEIGHT OF DOMES SHALL HAVE A HEIGHT OF 0.2". TRUNCATED DOMES SHALL HAVE A CENTER-TO-CENTER SPACING OF 1.6" MIN. AND 2.4" MAX. AND A BASE-TO-BASE SPACING OF 0.65" MIN. MEASURED BETWEEN THE MOST ADJACENT DOMES ON THE GRID. DOMES SHALL BE ALIGNED IN A SQUARE GRID PATTERN.

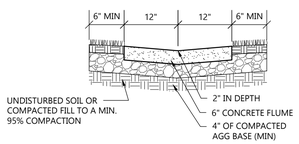
FLUSH WALK DETAIL

NOT TO SCALE



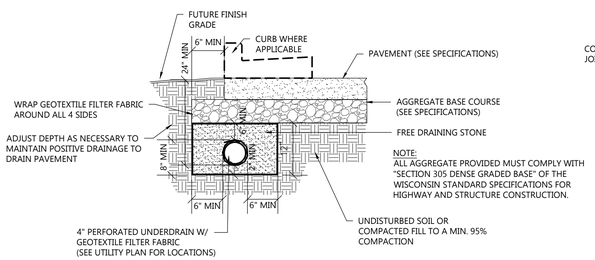
RAISED WALK DETAIL

NOT TO SCALE



CONCRETE FLUME DETAIL (LAWN)

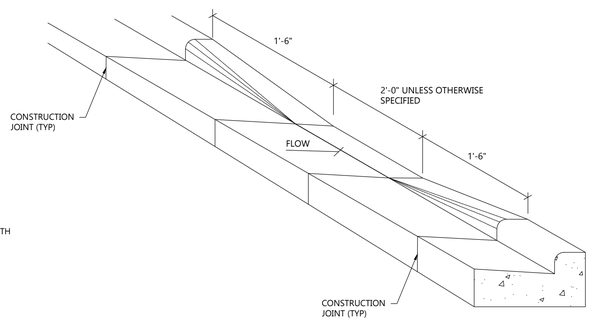
NOT TO SCALE



NOTE:
ALL AGGREGATE PROVIDED MUST COMPLY WITH "SECTION 305 DENSE GRADED BASE" OF THE WISCONSIN STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION.

PAVING WITH UNDERDRAIN DETAIL

NOT TO SCALE



CURB CUT DETAIL

NOT TO SCALE

CIVIL DETAILS

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PROJECT INFORMATION

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1800 CROOKS AVENUE • KAUKAUNA, WI 54130

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JOB NUMBER
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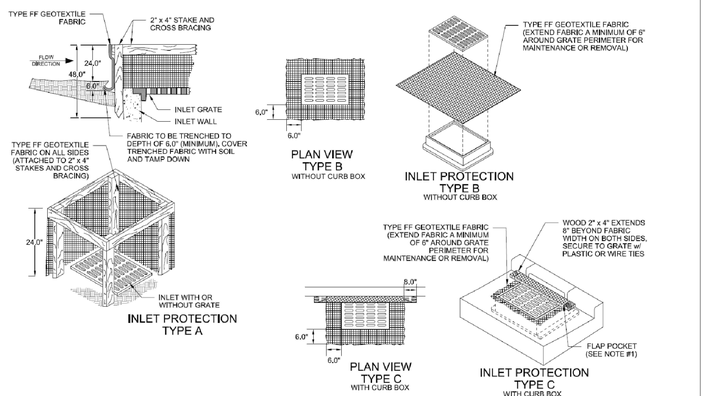
SHEET NUMBER
C2.0

FIGURE 1. INLET PROTECTION TYPES A, B AND C



NOTES:

1. FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2" x 4", THE REBAR, STEEL PIPE, OR WOOD SHALL BE INSTALLED IN THE REAR FLAP AND SHALL NOT BLOCK THE TOP HALF OF THE CURB FACE OPENING.

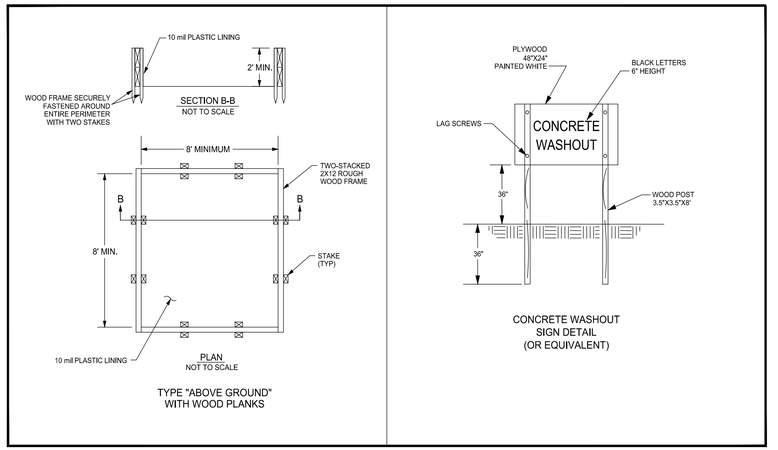
MAINTENANCE NOTES:

1. WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED IN THE FABRIC DOES NOT FALL INTO THE STRUCTURE. MATERIAL THAT HAS FALLEN INTO THE INLET SHALL BE IMMEDIATELY REMOVED.

WISCONSIN DEPT. OF NATURAL RESOURCES

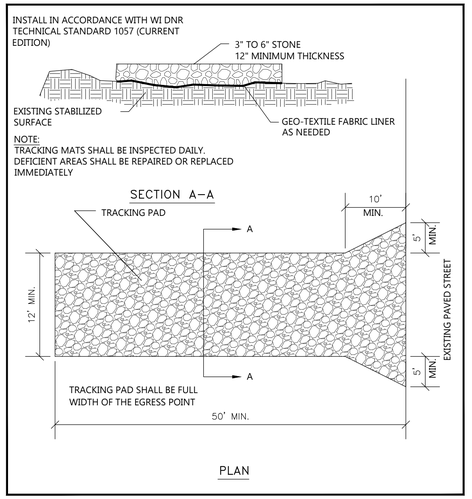
1060
TECHNICAL STANDARD No.
12/2021
REVISION DATE
NOT TO SCALE

INLET PROTECTION DETAIL
NOT TO SCALE



CONCRETE WASHOUT DETAIL
NOT TO SCALE

SPECIFICATION NOTE:
SEE SHEET C0.2 FOR PLAN SPECIFICATIONS AND REQUIREMENTS



TRACKPAD DETAILS
NOT TO SCALE

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE WISCONSIN DEPARTMENT OF NATURAL RESOURCES TECHNICAL STANDARD NO. 1053 (CHANNEL EROSION MAT).

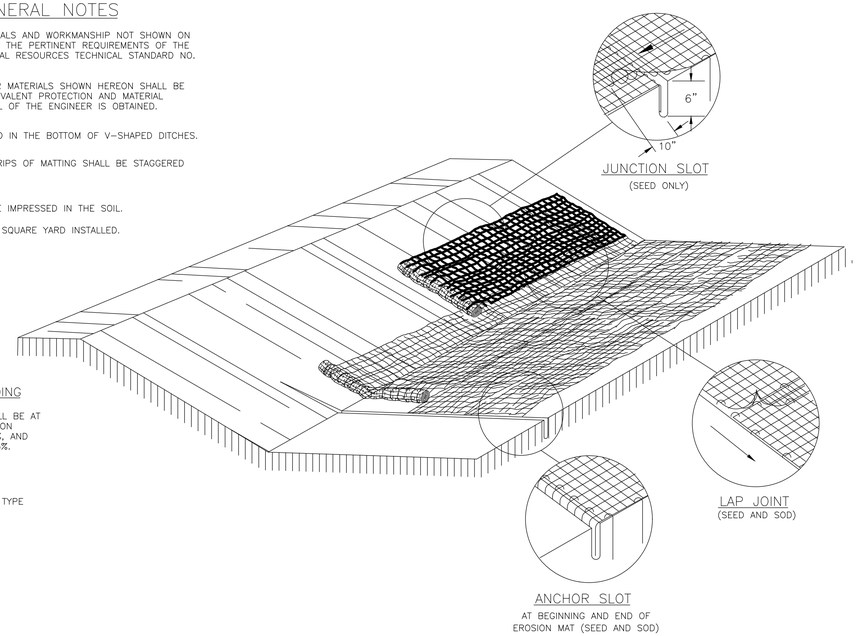
VARIATIONS IN THE DIMENSIONS OR MATERIALS SHOWN HEREON SHALL BE PERMITTED IF THEY PROVIDE EQUIVALENT PROTECTION AND MATERIAL STRENGTH AND IF PRIOR APPROVAL OF THE ENGINEER IS OBTAINED.

LAP JOINTS SHALL NOT BE PLACED IN THE BOTTOM OF V–SHAPED DITCHES.

JUNCTION SLOTS ON ADJACENT STRIPS OF MATTING SHALL BE STAGGERED A MINIMUM OF 4 FEET APART.

EDGES OF EROSION MAT SHALL BE IMPRESSED IN THE SOIL.

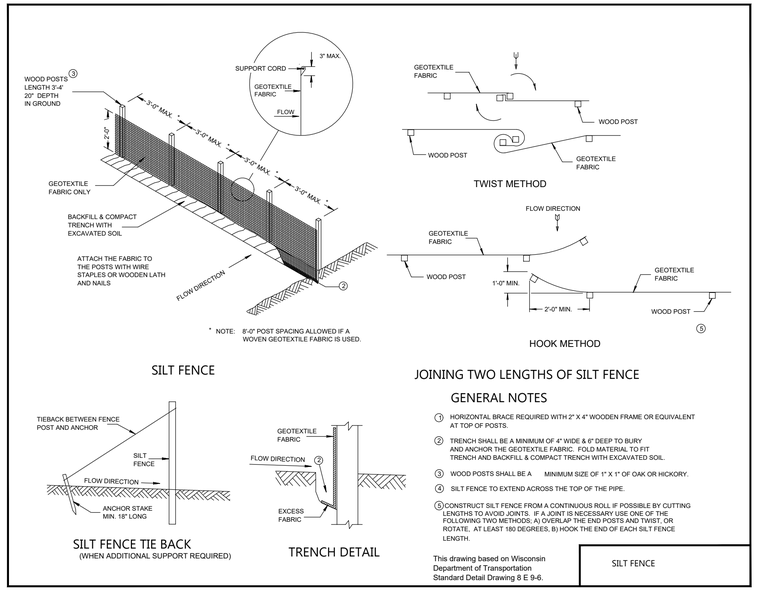
EROSION MAT SHALL PAID BY THE SQUARE YARD INSTALLED.



EROSION MAT OVER SEEDING

JUNCTION OR ANCHOR SLOTS SHALL BE AT MINIMUM INTERVALS OF 100 FEET ON GRADES UP TO AND INCLUDING 3%, AND 50 FEET ON GRADES EXCEEDING 3%.

NOTE:
SEE SPECIFICATIONS FOR MATTING TYPE



GENERAL NOTES

① HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.

② TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.

③ WOOD POSTS SHALL BE A MINIMUM SIZE OF 1" X 1" OF OAK OR HICKORY.

④ SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.

⑤ CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS: A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES. B) HOOK THE END OF EACH SILT FENCE LENGTH.

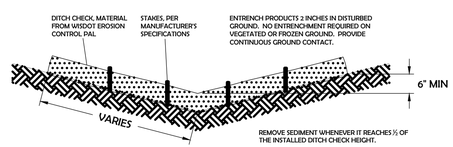
This drawing based on Wisconsin Department of Transportation Standard Detail Drawing 8 E 9-6.

SILT FENCE

SILT FENCE - INSTALLATION DETAIL
NOT TO SCALE

DITCH CHECK DETAIL

LOG-TYPE DITCH CHECK



CIVIL DETAILS

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920-926-9800
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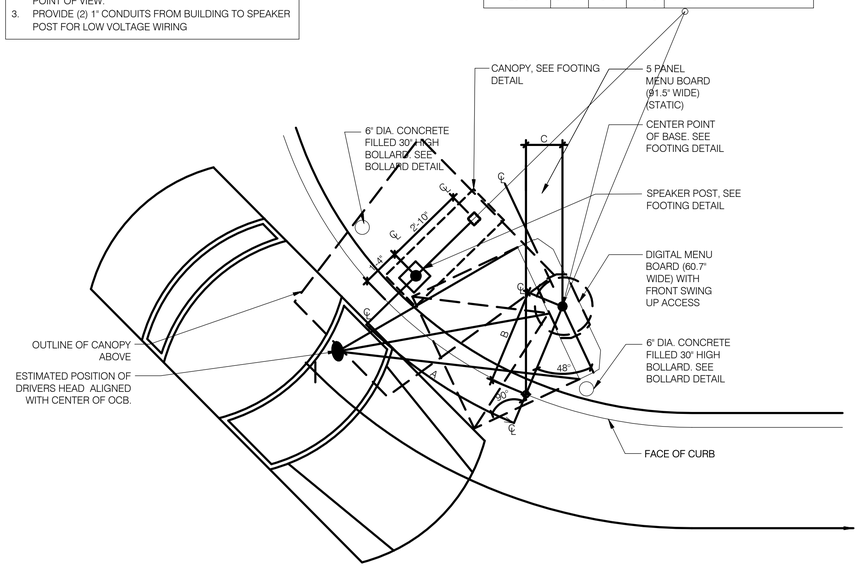
240296000

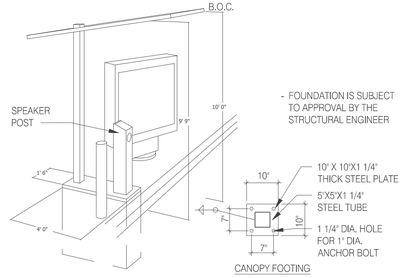
SHEET NUMBER
C2.1

NOTES
1. ALL AREAS OF THE MB MUST BE VISIBLE TO DRIVER LOCATED AT SPEAKER POST. ASUME DRIVERS LOCATION IS 24" FROM FACE OF CURB, CENTERED ON SPEAKER POST.
2. CENTER OF MB TO BE 5'-6" TO 9'-0" FROM DRIVERS POINT OF VIEW.
3. PROVIDE (2) 1" CONDUITS FROM BUILDING TO SPEAKER POST FOR LOW VOLTAGE WIRING

CORNER DIMENSIONS				
RADUS	A	B	C	MENU BRD DEG TILT
15'-0"	6'-3"	3'-3"	1'-3"	48°
18'-0"	5'-10"	3'-6"	1'-7"	52°
20'-0"	5'-11"	3'-7"	1'-9"	54°

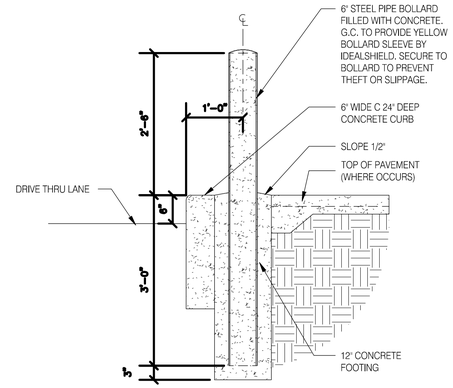


ENLARGED MENU BOARD DETAIL @ CURVED CURB 3/8" = 1'-0" | 10



CANOPY AND SPEAKER FOOTING N.T.S. | 9

SPECIFICATION NOTE:
SEE SHEET C0.2 FOR PLAN SPECIFICATIONS AND REQUIREMENTS



BOLLARD AT DRIVE THROUGH

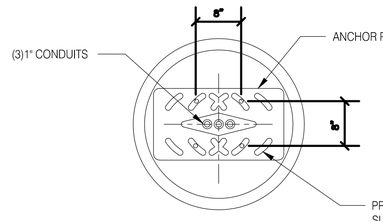
NOTE:
BOLT PATTERN PROVIDED AS EXAMPLE - OBTAIN ANCHOR BOLT TEMPLATE FROM SUPPLIER

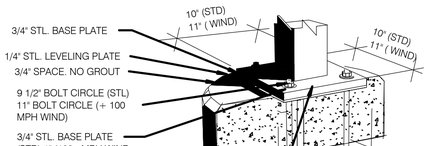
CONDUIT SCHEDULE

DEVICE	POWER	DATA
DIRECTIONAL	(1) 3/4"	-
SPEAKER POST	(1) 1"	(1) 1"
MENU BOARD	(1) 1"	(2) 1"
PREVIEW BOARD	(1) 1"	(2) 1"

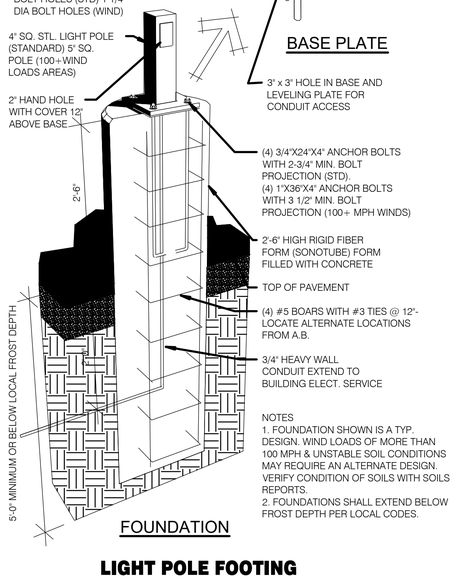
OPTIONAL →

MENU BOARD - (3) CAT 6
PREVIEW BOARD - (2) CAT 6
SPEAKER POST - (1) CAT 6





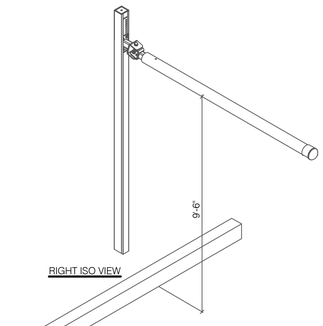
BASE PLATE

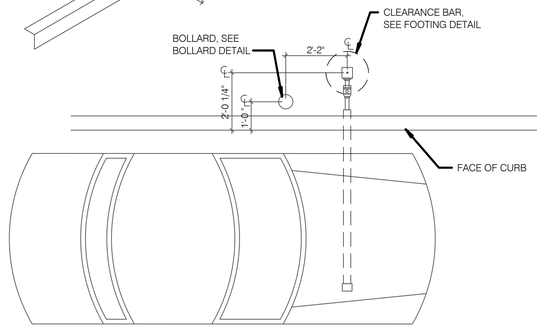


NOTES
1. FOUNDATION SHOWN IS A TYP. DESIGN. WIND LOADS OF MORE THAN 100 MPH & UNSTABLE SOIL CONDITIONS MAY REQUIRE AN ALTERNATE DESIGN. VERIFY CONDITION OF SOILS WITH SOILS REPORTS.
2. FOUNDATIONS SHALL EXTEND BELOW FROST DEPTH PER LOCAL CODES.

FOUNDATION

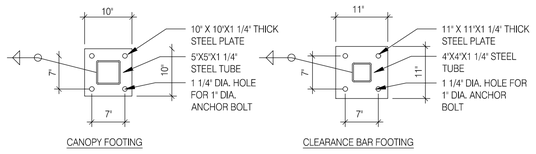
LIGHT POLE FOOTING

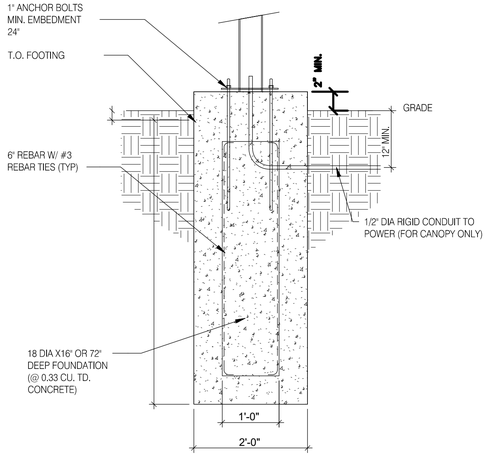




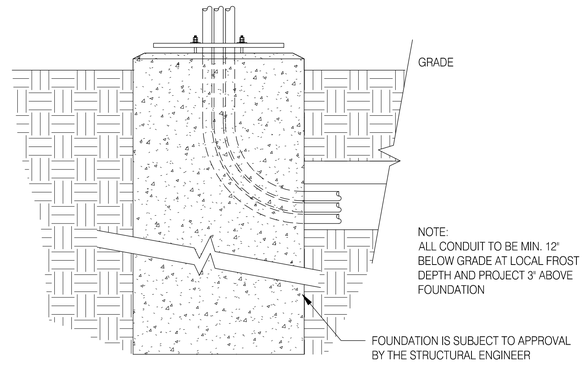
PORTAL PLACEMENT DETAIL

NOTE:
REFER TO CURRENT CUT SHEETS FOR FOOTING BOLT DETAILS





CLEARANCE BAR AND CANOPY FOOTING



MENU FOUNDATION

CIVIL DETAILS

EXCEL
Always a Better Plan
100 Camelot Drive
Fond du Lac, WI 54935
920-926-9800
excelengineer.com

PROJECT INFORMATION

NEW BUILDING FOR:
PACIFIC BELLS LLC
1800 CROOKS AVENUE • KAUKAUNA, WI 54130

PROFESSIONAL SEAL

SHEET DATES
SHEET ISSUE DEC. 6, 2024
REVISIONS

JOB NUMBER
240296000

SHEET NUMBER
C2.2