

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: 22,468 (0.51 ACRES)

AREA OF IMPERVIOUS SURFACE DISTURBANCE: 19,159 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: 35 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%

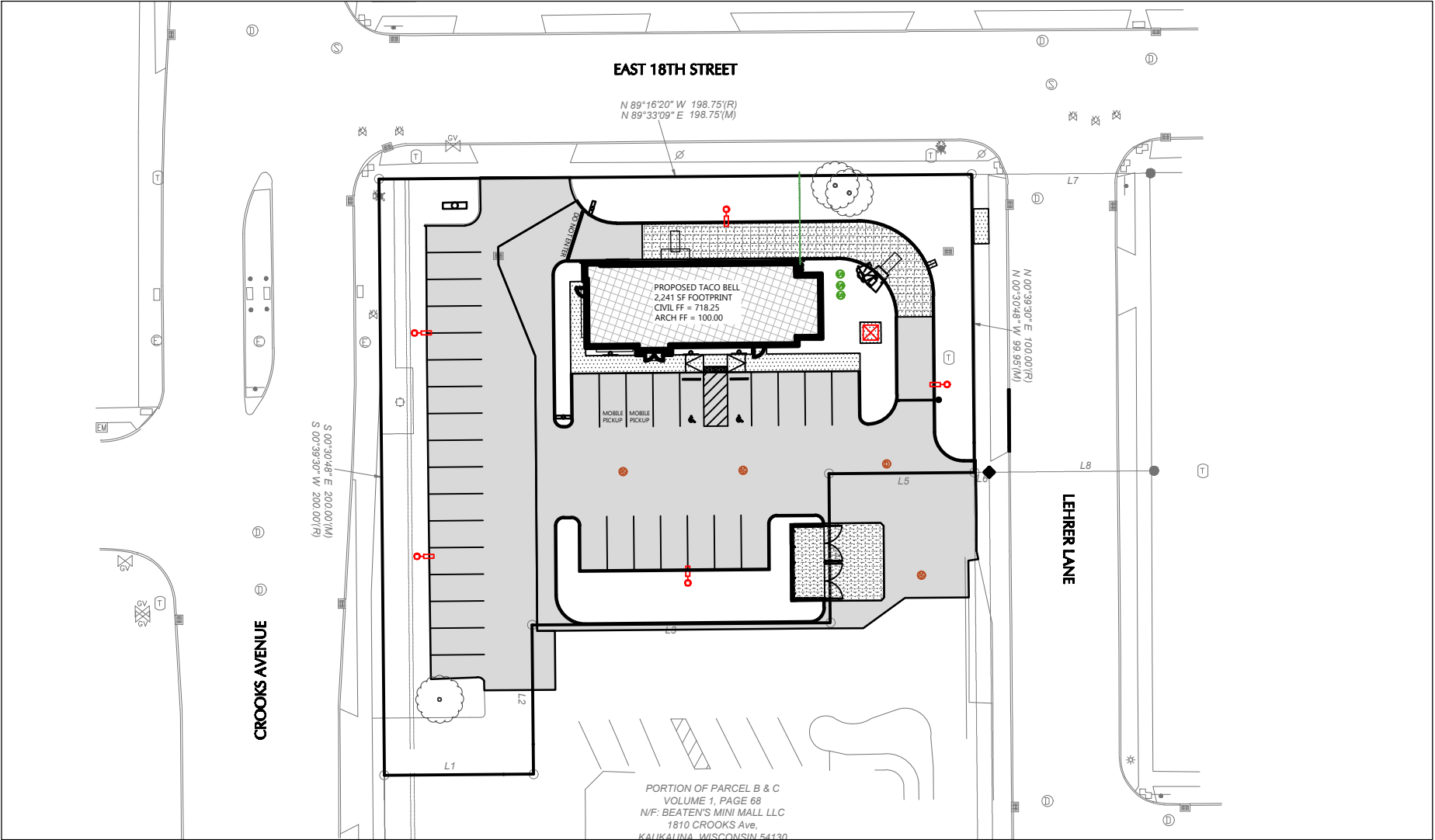
PROPOSED SITE DATA

	AREA (AC)	AREA (SF)	RATIO
BUILDING FLOOR AREA	0.05	2,241	7.5%
PAVEMENT (ASP. & CONC.)	0.41	18,032	60.4%
TOTAL IMPERVIOUS	0.47	20,273	67.9%
LANDSCAPE/ OPEN SPACE	0.22	9,602	32.1%
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.



PROJECT CONTACTS

OWNER INFORMATION:

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CIVIL:

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CITY PLANNER:

DAVID KITTEL
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CITY ENGINEER/DIRECTOR OF PUBLIC WORKS:

JOHN NEUMEIER
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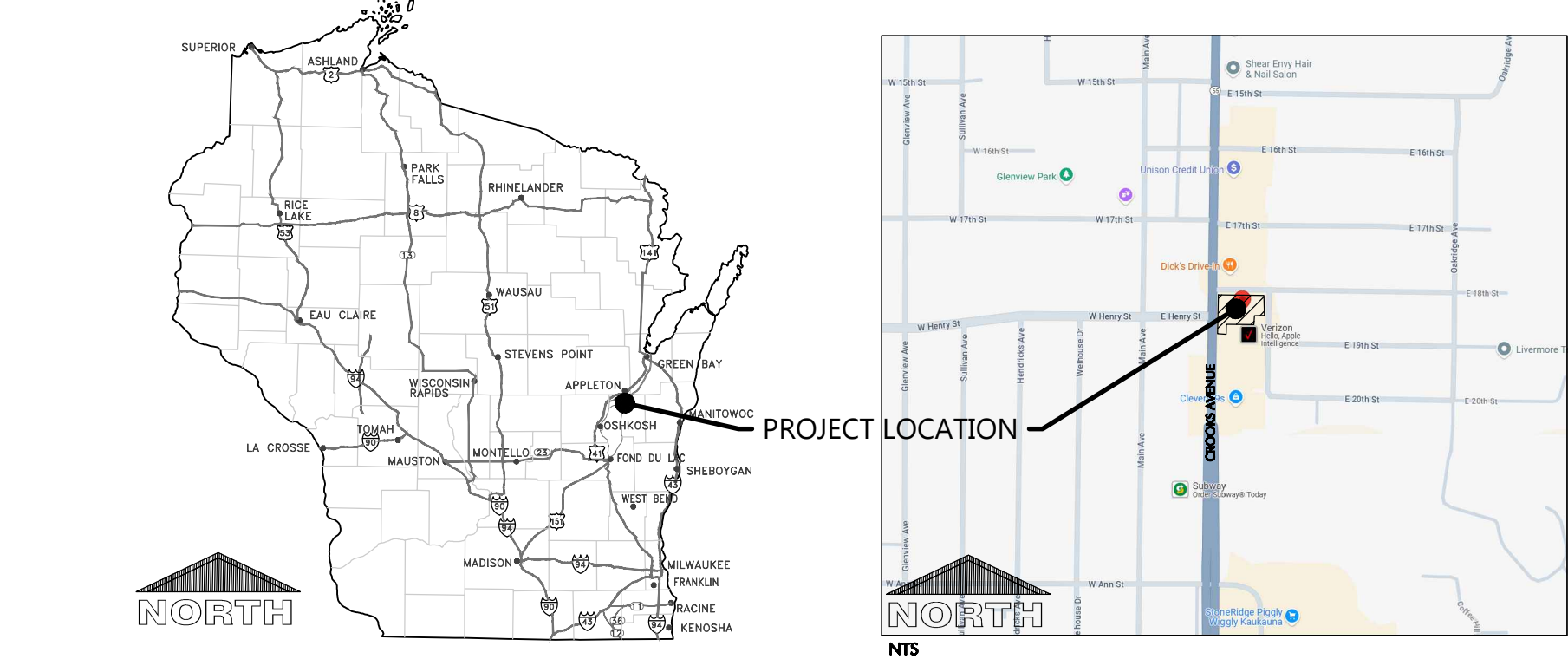
CITY FIRE CHIEF:

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

CITY BUILDING INSPECTOR:

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

LOCATION MAP



PROJECT NOTES

GENERAL PROJECT NOTES

- ALL DRIVEWAYS AND CURB CUTS TO BE CONSTRUCTED ACCORDING TO LOCAL ORDINANCES. CONTRACTOR TO OBTAIN ALL NECESSARY PERMITS.
- THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL WORK IN ROW PERMITS.

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	⊠	EXISTING TELEPHONE PEDESTAL
✕	EXISTING WATER SERVICE VALVE	⊠	EXISTING ELECTRIC PEDESTAL
⊗	EXISTING WELL	⊠	EXISTING ELECTRIC BOX
⊗	EXISTING STORM CATCH BASIN	⬅	EXISTING FLOOD LIGHT
⊠	EXISTING STORM CURB INLET	⊠	EXISTING TELEPHONE MANHOLE
⊠	EXISTING SQUARE CATCH BASIN	⊠	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	⊠	PROPOSED CLEANOUT
⊠	PROPOSED STORM CURB INLET - ST CI	⊠	PROPOSED DOWNSPOUT TO GRADE
		⊠	PROPOSED DOWNSPOUT TO RISER
EXISTING LINETYPES			
—	EXISTING CHAINLINK FENCE	—	EXISTING POLISH SEWER AND MANHOLE
—	EXISTING WOOD FENCE	—	EXISTING PROCESS SEWER AND MANHOLE
—	EXISTING BARBED WIRE FENCE	—	EXISTING CLEAR WATER LINE
—	EXISTING CURB AND GUTTER	—	EXISTING UNDERGROUND FIBER OPTIC LINE
—	EXISTING GUARD RAIL	—	EXISTING UNDERGROUND ELECTRIC CABLE
—	EXISTING GROUND CONTOUR	—	EXISTING UNDERGROUND TELEPHONE CABLE
—	EXISTING STORM SEWER AND MANHOLE	—	EXISTING UNDERGROUND GAS LINE
—	EXISTING SANITARY SEWER AND MANHOLE	—	EXISTING OVERHEAD UTILITY LINE
—	EXISTING WATER LINE AND HYDRANT	—	RAILROAD TRACKS
—	INTERIOR PROPERTY LINE	—	RIGHT-OF-WAY LINE
PROPOSED LINETYPES			
—	PROPOSED CHAINLINK FENCE	—	PROPOSED POLISH SEWER AND MANHOLE
—	PROPOSED WOOD FENCE	—	PROPOSED PROCESS SEWER AND MANHOLE
—	PROPOSED BARBED WIRE FENCE	—	PROPOSED CLEAR WATER LINE
—	PROPOSED CURB AND GUTTER	—	PROPOSED UNDERGROUND FIBER OPTIC LINE
—	PROPOSED GUARD RAIL	—	PROPOSED UNDERGROUND ELECTRIC CABLE
—	PROPOSED GROUND CONTOUR	—	PROPOSED UNDERGROUND TELEPHONE CABLE
—	PROPOSED STORM SEWER AND MANHOLE - ST MH	—	PROPOSED UNDERGROUND GAS LINE
—	PROPOSED SANITARY SEWER AND MANHOLE - SAN MH	—	PROPOSED OVERHEAD UTILITY LINE
—	PROPOSED WATER LINE AND HYDRANT	—	MATCHLINE
—	PROPOSED PROPERTY LINE	—	GRADING/SEEDING LIMITS

CAUTION: IF THIS SHEET IS NOT 22"x34" IT IS A REDUCED PRINT

Excel

Always a Better Plan

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Fond du Lac, WI 54935
920-926-9800
excelengineer.com

PACIFIC BELLS

PACIFIC BELLS, LLC
111 W. 39TH STREET
VANCOUVER, WA 98660

NEW BUILDING FOR:

PACIFIC BELLS, LLC

1800 CROOKS AVENUE • KAUKAUNA, WI 54130

	DATE	REMARKS
	11/20/2024	PRELIM

PROFESSIONAL SEAL

JOB NUMBER

240296000

ENDEAVOR 2.0
CIVIL COVER SHEET

C0.1

2024 © EXCEL ENGINEERING, INC.

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 TELEVISOR TO FIELD VERIFY EXISTING SITE CONDITIONS PRIOR TO BIDDING. CONTRACTOR SHALL REMOVE, REPLACE, OR DEMOLISH ALL ITEMS AS NEEDED DURING CONSTRUCTION.
- C. DEMOLITION PLAN IS AN OVERVIEW OF DEMOLITION TO TAKE PLACE ON SITE. CONTRACTOR TO FIELD TELEVISOR 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 SUBGRADE 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 MAXIMUM DRY DENSITY 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. 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.
- E. 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.
- F. 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 95 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.
1. 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 METHOD 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.

4. LOCATIONS. THE AGGREGATE USED FOR THE STONE TRACKING PAD SHALL BE 3/8" TO 3/4" 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 STABILIZED WORK 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 EXISTING STORM DRAIN INLETS. STORM DRAIN CATCH BASINS AND CURB INLETS, TYPE 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 WJNR 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 AND HOT MIXED MIXES 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-GRIID / 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 (S LT 58-285)
- (WISDOT 455.2.5 TACK COAT (STAGED PAVING)
- 1-3/4" BINDER COURSE (S LT 58-285)
- 9" OF 1-1/4" CRUSHED AGGREGATE
- HEAVY ASPHALT PAVING SECTION
- 2" SURFACE COURSE (S LT 58-285)
- (WISDOT 455.2.5 TACK COAT (STAGED PAVING)
- 1-3/4" BINDER COURSE (S LT 58-285)
- 12" OF 1-1/4" CRUSHED AGGREGATE
- 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 THE MOST STRINGENT REQUIREMENTS OF THE 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 308R-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 6" OF 3/4" CRUSHED AGGREGATE BASE. W/TRAFFIC JOINTS SHALL CONSIST OF 1/8" WIDE BY 1" DEEP TOOLED JOINTS 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 1/2 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 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 PRIOR TO THE UPPER 1/3 TO 1/2 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 4500 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. VERIFIED EQUIPMENT CONCRETE PAD SIZES WITH CONTRACTOR REQUIREING PAD. PADS SHALL HAVE FIBERMESH 300 FIBERS AT A RATE OF 1.5 LBS/CU. YD. OR 6 X 6-WT 4 X WT 4 WELDED WIRE MESH WITH MINIMUM 1 INCH COVER. EQUIPMENT PADS SHALL BE 5.5 INCHES THICK WITH 1 INCH CHAMFER UNLESS SPECIFIED OTHERWISE. GREATER OR 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 UP TO #5 BARS AND 2" FOR #6 TO #10 BARS IN ALL OTHER LOCATIONS. ALL REINFORCING SHALL BE LAPED 48 DIAMETERS FOR UP TO #6 MIXTURE, 62 DIAMETERS FOR #7 TO #8 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 AND ACI MANUAL AND STANDARD PRACTICES. THE REINFORCEMENT SHALL NOT BE PAINTED AND MUST BE FREE OF GREASE/OIL, DIRT, OR DEBRIS. WHEN PLACING 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, EAST 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 WINDY WEATHER, APPLY AN EVAPORATION-CONTROL COMPOUND ACCORDING TO MANUFACTURER'S INSTRUCTIONS AFTER SCREEDING AND BULL FLOATING, BUT BEFORE POWER FLOATING AND TROWELLING.
- L. 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 CONTRACT 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 GRADINGS 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 AND TO 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 SETTLING. DO NOT SPREAD TOPSOIL IF SUBGRADE IS FROZEN, MUDDY, OR EXCESSIVELY WET. GRADE PLANTING AREAS TO A SMOOTH, UNIFORM SURFACE PLANE WITH LOOSE, UNIFORM FINE TEXTURE. GRADE TO WITHIN 0.05 FEET OF FINISHED GRADE ELEVATION.
- B. SEEDING LAWNS:
1. PERMANENT LAWN AREAS SHALL BE SEEDDED 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 SEEDDED 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 SEEDDED WITH THE FOLLOWING MIXTURE: 45% KENTUCKY BLUEGRASS (0.60 LBS./1,000 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 DATE OF INSTALLATION. AT THE END OF THE MAINTENANCE PERIOD, A HEALTHY, UNIFORM, CLOSE STAND OF GRASS SHALL BE ESTABLISHED FREE OF WEEDS AND SURFACE IRREGULARITIES. LAWN COVERAGE SHOULD EXCEED 90% AND BARE SPOTS SHOULD NOT EXCEED 5". CONTRACTOR SHOULD REESTABLISH LAWNS THAT DO NOT COMPLY WITH THESE REQUIREMENTS AND CONTINUE MAINTENANCE UNTIL LAWNS ARE SATISFACTORY.
- D. EROSION MATTING:
1. CONTRACTOR TO PROVIDE EROSION CONTROL MATTING (NORTH AMERICAN GREEN S150) OR EQUIVALENT ON ALL SLOPES THAT ARE 4:1 AND GREATER OUTSIDE OF STORMWATER CONVEYANCE SWALES AND STORMWATER MANAGEMENT BASINS. LAWN SEED SHALL BE PLACED BELOW MATTING IN ACCORDANCE WITH SEEDING REQUIREMENTS AND MANUFACTURER SPECIFICATIONS.
2. CONTRACTOR TO PROVIDE EROSION MATTING (NORTH AMERICAN GREEN C125) OR EQUIVALENT IN ALL SWALE BOTTOMS AND SIDE SLOPES AS REQUIRED. LAWN SEED SHALL BE PLACED BELOW MATTING IN ACCORDANCE WITH SEEDING REQUIREMENTS AND MANUFACTURER SPECIFICATIONS.

- E. TREES AND SHRUBS: FURNISH NURSERY-GROWN TREES AND SHRUBS WITH HEALTHY ROOT SYSTEMS DEVELOPED BY TRANSPLANTING OR ROOT PRUNING. PROVIDE WELL-SHAPED, FULLY BRANCHED, AND HEALTHY LOOKING STOCK. STOCKS SHOULD ALSO BE FREE OF DISEASE, INSECTS, EGGS, LARVAE, AND DEFECTS SUCH AS KNOTS, SUN SCALD, INJURIES, ABRASIONS, AND DISFIGUREMENT. SEE THE LANDSCAPE PLAN FOR SPECIFIC SPECIE TYPE, SIZE, AND LOCATION.
- F. TREE AND SHRUB INSTALLATION: EXCAVATE CIRCULAR PITS WITH SIDES SLOPED INWARD. TRIM BASE LEAVING CENTER AREA RAISED SLIGHTLY TO SUPPORT ROOT BALL. EXCAVATE PIT APPROXIMATELY THREE TIMES AS WIDE AS THE ROOT BALL DIAMETER. SET TREES AND SHRUBS PLUMB AND IN CENTER OF PIT WITH TOP OF BALL 1" ABOVE ADJACENT FINISHED GRADES. PLACE PLANTING SOIL MIX AROUND ROOT BALL IN LAYERS AND TAMP TO SETTLE MIX. WATER ALL PLANTS THOROUGHLY. PROVIDE TEMPORARY STAKING FOR TREES AS REQUIRED.
- G. TREE AND SHRUB MAINTENANCE/WARRANTY: CONTRACTOR TO PROVIDE MAINTENANCE OF ALL LANDSCAPING FOR A PERIOD OF 90 DAYS FROM THE DATE OF INSTALLATION. MAINTENANCE TO INCLUDE REGULAR WATERING AS REQUIRED FOR SUCCESSFUL PLANT ESTABLISHMENT. CONTRACTOR TO PROVIDE 1 YEAR WARRANTY ON ALL TREES, SHRUBS, AND PERENNIALS.
- H. MINERAL MULCH: PROVIDE 4" MINIMUM THICK BLANKET OF 1.5" MINIMUM TO 2.5" MAXIMUM CRUSHED DECORATIVE STONE AT ALL PLANTING AREAS INDICATED ON THE LANDSCAPE PLAN. INSTALL OVER NON-WOVEN WED BARRIER FABRIC. COLOR BY OWNER.
- I. PLASTIC EDGING: INSTALL VALLEY VIEW INDUSTRIES BLACK DIAMOND LAWN EDGING TO SEPARATE ALL PLANTING BEDS FROM LAWN AREAS. EDGING TO BE 5.5" TALL WITH METAL STAKES INSTALLED PER MANUFACTURER'S WRITTEN INSTRUCTIONS.

DIVISION 33 UTILITIES

33 10 00 SITE UTILITIES

- A. CONTRACTOR TO FIELD VERIFY ALL EXISTING UNDERGROUND UTILITIES ON SITE. CONTRACTOR TO VERIFY PIPE LOCATIONS, SIZES, AND DEPTHS AT POINT OF PROPOSED CONNECTIONS AND VERIFY PROPOSED UTILITY ROUTES ARE CLEAR. PER CODE OF ALL EXISTING UTILITIES AND OTHER OBSTRUCTIONS PRIOR TO CONSTRUCTION. COSTS INCURRED FOR FAILURE TO DO SO SHALL BE THE CONTRACTORS RESPONSIBILITY.
- B. CONTRACTOR TO FIELD TELEVISOR ALL EXISTING SANITARY AND STORM LATERALS THAT ARE SCHEDULED TO BE RE-USED AND/OR CONNECTED TO ON SITE. THE TELEVISOR SHALL BE COMPLETED TO ENSURE THE EXISTING LATERALS ARE FREE OF OBSTRUCTIONS AND IN SOUND STRUCTURAL CONDITION. TELEVISIONS 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 TELEVISION.
- C. ALL SANITARY PIPE SHALL BE IN ACCORDANCE WITH MATERIALS SPECIFIED IN TABLE A: ALLOWABLE PIPE MATERIAL SCHEDULE. INSULATION SHALL BE PROVIDED PER STATE PLUMBING CODES AS NECESSARY BASED ON PROPOSED DEPTH PER PLANS.
- D. CLEANOUTS SHALL BE PROVIDED FOR THE SANITARY & STORM SERVICES AT LOCATIONS INDICATED ON THE UTILITY PLAN. THE CLEANOUT SHALL CONSIST OF A COMBINATION WYE FITTING IN LINE WITH THE SANITARY/STORM SERVICE WITH THE CLEANOUT LEG OF THE COMBINATION WYE FACING STRAIGHT UP. THE CLEANOUT SHALL CONSIST OF A 4" OR 6" VERTICAL PVC PIPE WITH A WATERTIGHT REMOVABLE CLEANOUT PLUG. THE PVC CLEANOUT SHALL BE 4" IF THE SANITARY LINE IS 5" IN DIAMETER OR SMALLER AND 6" IF THE SANITARY LINE IS 6" IN DIAMETER OR BIGGER. AN 8" PVC ROOT SLEEVE SHALL BE PROVIDED. THE BOTTOM OF THE FROST SLEEVE SHALL TERMINATE 12" ABOVE THE TOP OF THE SANITARY LATERAL OR AT LEAST 6" BELOW THE PREDICTED FROST DEPTH, WHICHEVER IS SHALLOWER. THE CLEANOUT SHALL EXTEND JUST ABOVE THE SURFACE GRADE IN LAWN OR LANDSCAPE AREAS WITH THE FROST SLEEVE TERMINATING AT THE GRADE SURFACE. THE CLEANOUT SHALL EXTEND TO 4 INCHES BELOW SURFACE GRADE IN PAVED SURFACES WITH A ZURN (2-1474-N) HEAVY DUTY CLEANOUT HOUSING PLACED OVER THE TOP OF THE CLEANOUT FLUSH WITH THE SURFACE GRADE. IN PAVED SURFACES, THE FROST SLEEVE SHALL TERMINATE IN A CONCRETE PAD AT LEAST 6" THICK AND EXTENDING AT LEAST 9" FROM THE SLEEVE ON ALL SIDES. SLOPING AWAY FROM THE SLEEVE. THE CLEANOUT HOUSING SHALL BE CONSTRUCTED PER MANUFACTURERS' REQUIREMENTS.
- E. ALL PROPOSED WATER PIPE SHALL BE IN ACCORDANCE WITH MATERIALS SPECIFIED IN TABLE A: ALLOWABLE PIPE MATERIAL SCHEDULE. 6" MINIMUM COVER SHALL BE PROVIDED OVER ALL WATER PIPING UNLESS OTHERWISE SPECIFIED.
- F. ALL PROPOSED STORM PIPE SHALL BE IN ACCORDANCE WITH MATERIALS SPECIFIED IN TABLE A: ALLOWABLE PIPE MATERIAL SCHEDULE. SEE UTILITY PLANS FOR ALL STORM PIPE MATERIAL TYPES TO BE USED. PIPE SHALL BE PLACED MIN. 8" HORIZONTALLY FROM FOUNDATION WALLS.
- G. SANITARY, STORM, AND WATER UTILITY PIPE INVERTS SHALL BE CONSTRUCTED WITHIN 0.10' OF DESIGN INVERT ELEVATIONS ASSUMING PIPE SLOPE AND SEPARATION IS MAINTAINED PER THE UTILITY DESIGN PLANS AND STATE REQUIREMENTS.
- H. SITE UTILITY CONTRACTOR SHALL RUN SANITARY SERVICE TO A POINT WHICH IS A MAXIMUM OF 5' FROM THE EXTERIOR WALL OF THE FOUNDATION. SITE UTILITY CONTRACTOR SHALL RUN STORM SEWER FOR INTERNALLY DRAINED BUILDINGS TO A POINT WHICH IS A MAXIMUM OF 5' FROM THE EXTERIOR WALL OF THE FOUNDATION. SITE UTILITY CONTRACTOR SHALL RUN DOWNSPOUT LEADS TO BUILDING FOUNDATION AND UP 6" ABOVE SURFACE GRADE FOR CONNECTION TO DOWNSPOUT FOR ALL DOWNSPOUT TO RISER (DSR) CONNECTIONS. DOWNSPOUTS TO GRADE (DSG) SHALL BE PROVIDED WITH SPLASH BLOCKS AT THE DISCHARGE LOCATION. ALL DOWNSPOUT LOCATIONS SHOULD BE VERIFIED WITH ARCHITECTURAL PLANS AND DOWNSPOUT CONTRACTOR/GC PRIOR TO INSTALLATION OF DOWNSPOUT LEADS. DOWNSPOUT LEADS SHALL NOT UNDERMINE BUILDING FOUNDATIONS. SITE UTILITY CONTRACTOR SHALL RUN WATER SERVICE TO A POINT WITHIN THE FOUNDATION SPECIFIED BY THE PLUMBING PLANS. CONTRACTOR TO CUT AND CAP WATER SERVICE 12" ABOVE FINISHED FLOOR ELEVATION.
- I. ALL UTILITIES SHALL BE INSTALLED WITH PLASTIC COATED TRACER WIRE (10 TO 14 GAUGE SOLID COPPER, OR COPPER COATED STEEL WIRE). PLASTIC WIRE MAY BE TAPED TO PLASTIC WATER OR SEWER PIPE IF ATTACHED. THE TRACER WIRE SHALL BE SECURED EVERY 6 TO 20 FEET AND AT ALL BENDS. TRACER WIRE SHALL HAVE ACCESS POINTS AT LEAST EVERY 300 FEET. TRACER WIRE SHALL TERMINATE IN ACCORDANCE WITH MANUFACTURER SPECIFICATIONS AT GRADE OR IN TERMINATION BOX PER LOCAL/STATE REQUIREMENTS.

- J. ALL UTILITIES SHALL BE INSTALLED PER STATE, LOCAL, AND INDUSTRY STANDARDS. WATER, SANITARY, AND STORM SEWER SHALL BE INSTALLED PER "STANDARD SPECIFICATION FOR SEWER AND WATER CONSTRUCTION IN WISCONSIN" THE EXCEL ENGINEERING DESIGN ENGINEER SHALL BE RESPONSIBLE FOR OBTAINING STATE PLUMBING REVIEW (IF REQUIRED). THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL OTHER PERMITS REQUIRED TO INSTALL WATER, SANITARY, AND STORM SEWER.
- K. SEE PLANS FOR ALL OTHER UTILITY SPECIFICATIONS AND DETAILS.



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	DATE	REMARKS
	11/20/2024	PRELIM

PROFESSIONAL SEAL

JOB NUMBER
240296000



ENDEAVOR 2.0

CIVIL

SPECIFICATIONS

SHEET

C0.2

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Table A: Allowable Pipe Material Schedule

Utility	Material	Pipe Code	Fitting Code	Joint Code
Water Lateral	C901/906 PE	AWWA C901/C906	ASTM D2609, ASTM D2683, ASTM D3261	Heat fusion: ASTM D2657
Sanitary Sewer	SDR 35 PVC	ASTM D1785, ASTM D2665, ASTM D3034, ASTM F891	ASTM F1336	Push On: ASTM D3212 for Tightness Elastomeric Gasket: ASTM F477
Storm Sewer	HDPE	ASTM F2648, ASTM F2306, AASHTO M252, TYPE 5 (4 IN - 10 IN), AASHTO M294, TYPE 5 (12 IN - 60 IN)	ASTM F2648, ASTM F2306, AASHTO M252, or AASHTO M294	Joint: ASTM F2648, ASTM F2306, AASHTO M252, or AASHTO M294 Elastomeric Seal: ASTM F477
Storm Sewer	SDR 35 PVC	ASTM D1785, ASTM D2665, ASTM D3034, ASTM F891	ASTM F1336	Push On: ASTM D3212 for Tightness Elastomeric Seal: ASTM F477

BY GRAPHIC PLOTTING ONLY, THIS PROPERTY IS IN ZONE "X" OF THE FLOOD INSURANCE RATE MAP, COMMUNITY PANEL NO. 55087C034D, WHICH BEARS AN EFFECTIVE DATE OF 7/21/2010 AND IS NOT IN A SPECIAL FLOOD HAZARD AREA

BENCHMARKS:

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

TBM #2
SET MAG-NAIL
NORTHING: 161816.80
EASTING: 242074.15
ELEVATION: 717.81'

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.

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 PAVEMENT MARKINGS PROTRUDING ONTO NEIGHBORING PROPERTY (TYP)
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 TELEVIEW EXISTING SANITARY LINE. INFORM ENGINEER OF ANY DISCREPANCIES.
S	REMOVE TREE IF NECESSARY.
T	PROTECT STORM STRUCTURE
U	REMOVE SANITARY LINE TO EXTENTS

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)
- GRADED INLET (GI)
- STORM MANHOLE (DMH)
- TELEPHONE PEDESTAL
- CLEANOUT
- GAS METER
- SIGN
- FLAG POLE
- GAS METER
- TRAFFIC POLE
- BACK OF CURB
- FLOW LINE
- TOP OF CONCRETE
- EDGE OF CONCRETE
- TOP OF ASPHALT
- EDGE OF ASPHALT
- NATURAL GROUND
- PVC
- CMP
- RCP
- (M)
- (R)
- N/F
- BHL
- P.O.B.

INVERT TABLE

DMH#1	SMH#1	GH#6	GH#12
RIM ELEVATION: 716.61' 30" CMP INVERT W: 708.6' 30" CMP INVERT E: 708.6' 24" CMP INVERT S: 708.8'	RIM ELEVATION: 714.44' 8" PVC INVERT N: 705.9' 8" PVC INVERT E: 705.9' 8" PVC INVERT S: 705.9'	RIM ELEVATION: 716.17' 12" CMP INVERT W: 711.6' 12" CMP INVERT E: 711.8'	RIM ELEVATION: 717.33' 12" CMP INVERT W: 712.6' 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#2	SMH#2	GH#7	GH#13
RIM ELEVATION: 715.03' 30" CMP INVERT W: 708.4' 30" CMP INVERT E: 705.4' 12" CMP INVERT S: 708.2' 12" CMP INVERT N: 709.2'	RIM ELEVATION: 716.83' 8" PVC INVERT W: 708.4' 8" PVC INVERT E: 708.5'	RIM ELEVATION: 716.17' 10" PVC INVERT W: 711.9' 12" CMP INVERT E: 711.8'	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	GH#1	GH#8	GH#9
RIM ELEVATION: 714.78' 12" CMP INVERT W: 708.8' 12" CMP INVERT E: 708.6' 24" CMP INVERT S: 707.8' 24" CMP INVERT N: 707.8'	RIM ELEVATION: 716.67' 12" RCP INVERT W: 715.5'	RIM ELEVATION: 716.32' 12" RCP INVERT W: 712.1' 10" PVC INVERT E: 712.0'	RIM ELEVATION: 716.51' 12" RCP INVERT W: 712.2' 12" RCP INVERT E: 712.2' 12" RCP INVERT N: 712.2'
DMH#4	GH#2	GH#3	GH#10
RIM ELEVATION: 717.50' 12" CMP INVERT W: 711.3' 12" CMP INVERT E: 711.3' 24" CMP INVERT S: 709.7' 24" CMP INVERT N: 709.7'	RIM ELEVATION: 716.83' 12" PVC INVERT N: 712.8'	RIM ELEVATION: 716.15' 12" PVC INVERT S: 712.2' 18" RCP INVERT N: 712.1'	RIM ELEVATION: 716.03' 12" RCP INVERT E: 712.8'
DMH#5	GH#4	GH#11	GH#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'	RIM ELEVATION: 714.29' 30" RCP INVERT E: 712.3' 30" CMP INVERT E: 707.2' 18" RCP INVERT S: 708.0'	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 W: 714.2'	RIM ELEVATION: 716.43' 12" CMP INVERT N: 711.7'

LINE TABLE

LINE	BEARING	DISTANCE	LINE	BEARING	DISTANCE
L1	N 89°13'08"E	50.00'	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	6.39'	L9	--	--
L10	S 89°33'09"E	26.43'	L10	--	--
L11	N 89°24'02"E	35.09'	L11	--	--

- R/W
- C/L
- SS
- SD
- UGE
- BTL
- GAS
- WL
- MAJOR CONTOUR
- MINOR CONTOUR



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

DATE	REMARKS
11/20/2024	PRELIM

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ENDEAVOR 2.0

CIVIL EXISTING
SITE AND
DEMOLITION PLAN
C1.0



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CIVIL SITE PLAN

C1.1

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: 22,468 (0.52 ACRES)

AREA OF IMPERVIOUS SURFACE DISTURBANCE AND CREATION: 19,159 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: 34 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

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%

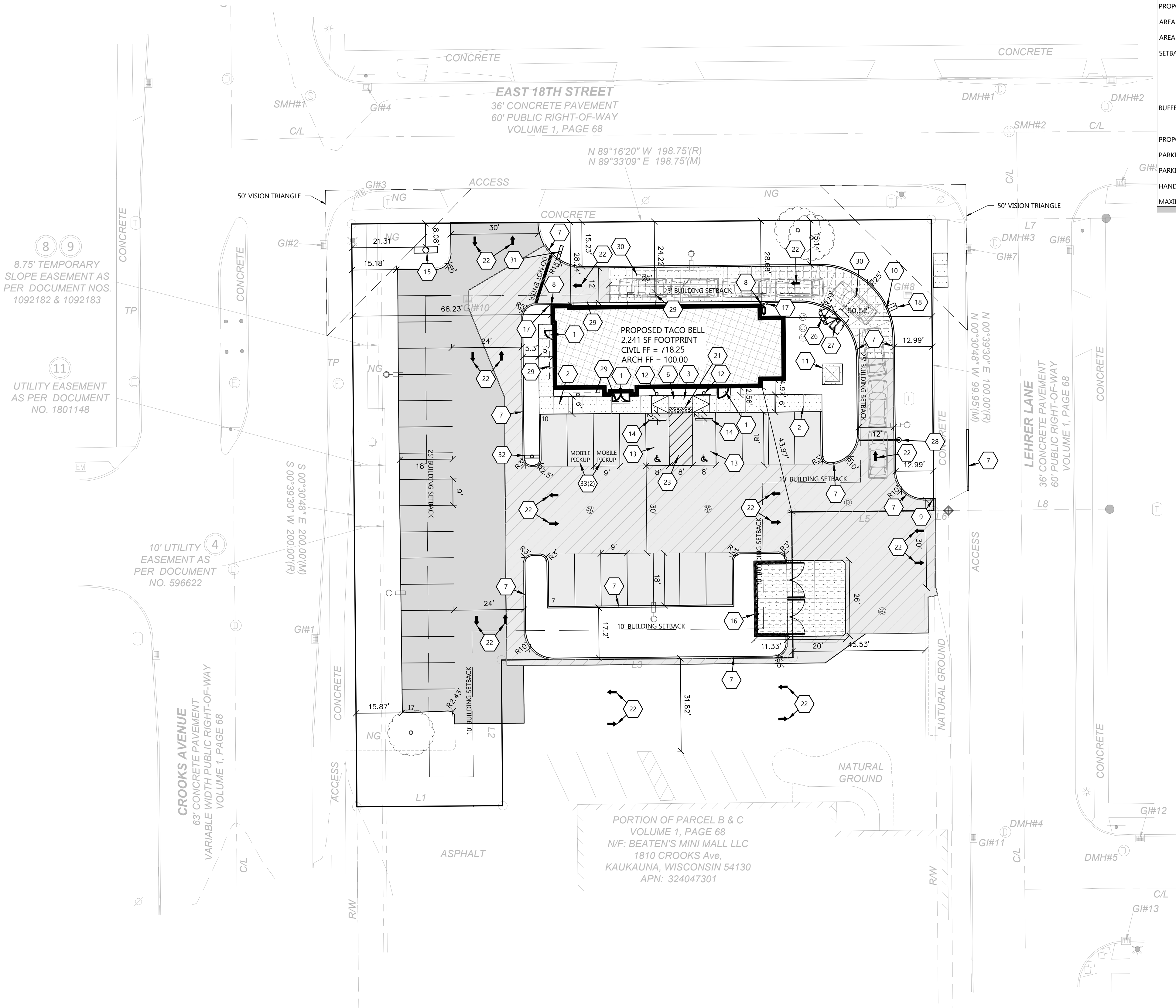
PROPOSED SITE DATA

	AREA (AC)	AREA (SF)	RATIO
BUILDING FLOOR AREA	0.05	2,241	7.5%
PAVEMENT (ASP. & CONC.)	0.41	18,032	60.4%
TOTAL IMPERVIOUS	0.47	20,273	67.9%
LANDSCAPE/ OPEN SPACE	0.22	9,602	32.1%
PROJECT SITE	0.69	29,875	100.0%

SCALE: 1"= 20'



NORTH



PORTION OF PARCEL B & C
VOLUME 1, PAGE 68
N/F: BEATEN'S MINI MALL LLC
1810 CROOKS Ave,
KAUKAUNA, WISCONSIN 54130
APN: 324047301

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

DATE	REMARKS
11/20/2024	PRELIM

PROFESSIONAL SEAL

JOB NUMBER

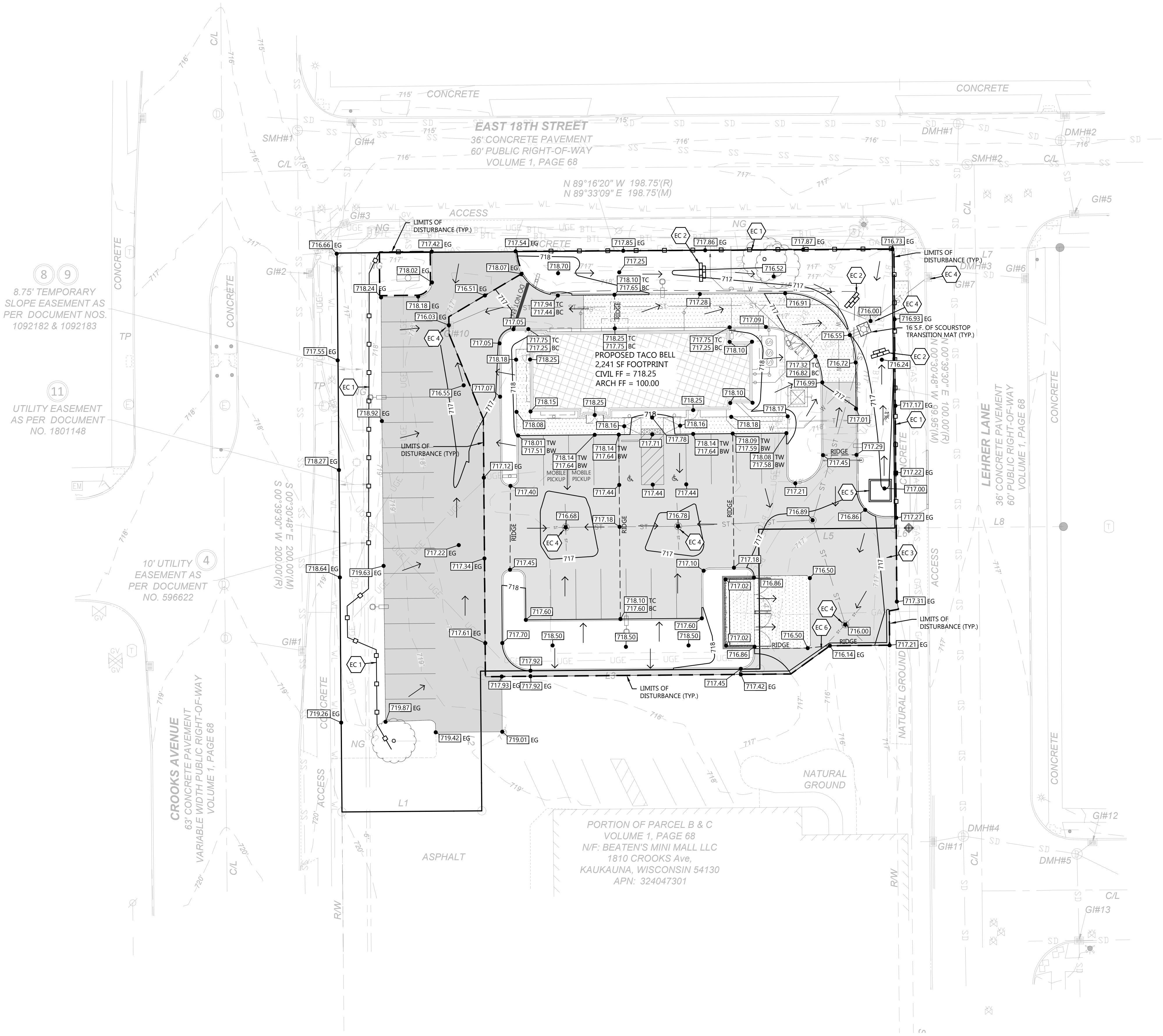
240296000



ENDEAVOR 2.0

CIVIL GRADING
AND EROSION
CONTROL PLAN

C1.2



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.



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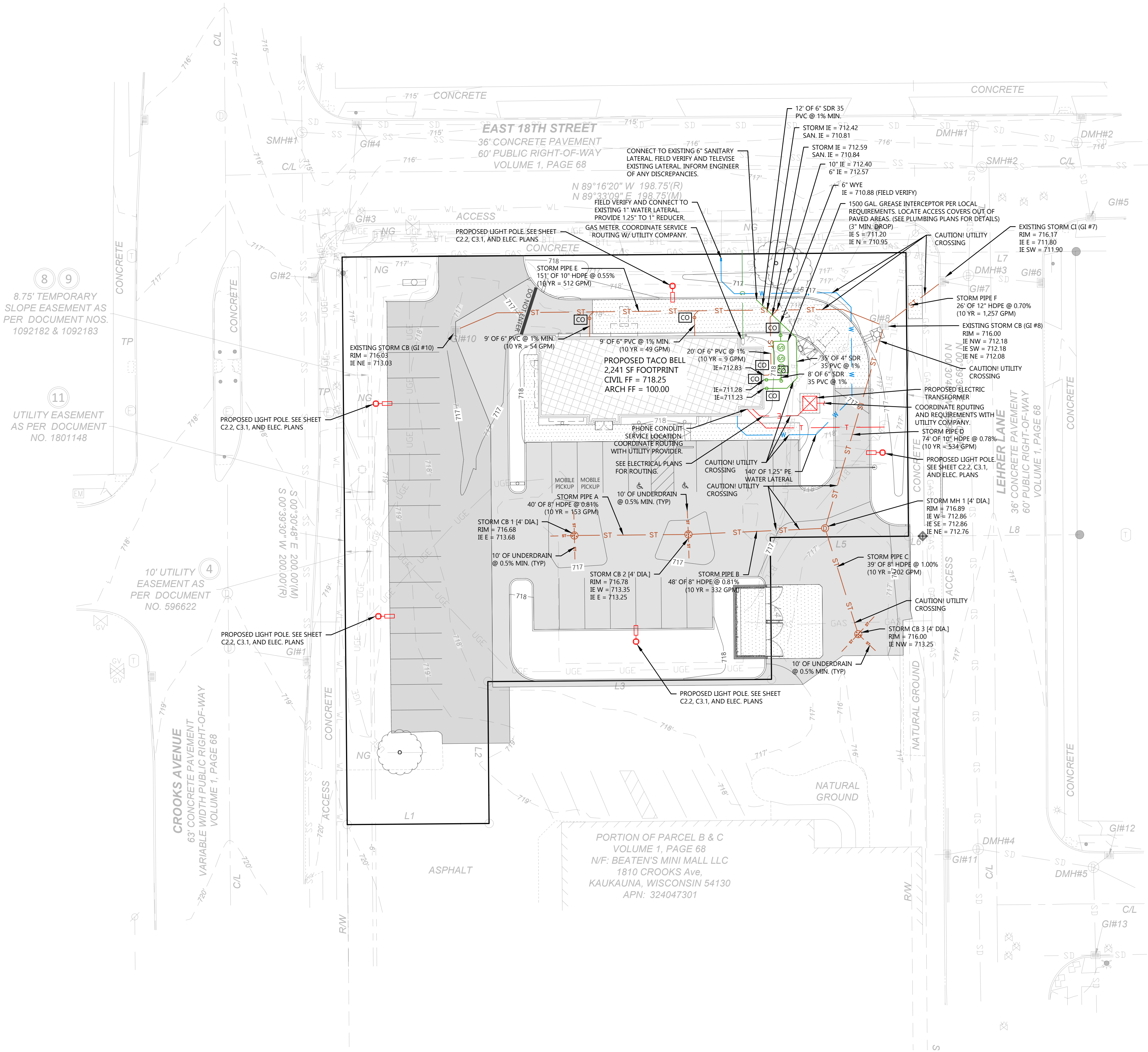


JOB NUMBER
240296000



ENDEAVOR 2.0
CIVIL UTILITY
PLAN

C1.3



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





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ENDEAVOR 2.0

CIVIL LANDSCAPE
AND RESTORATION
PLAN

C1.4

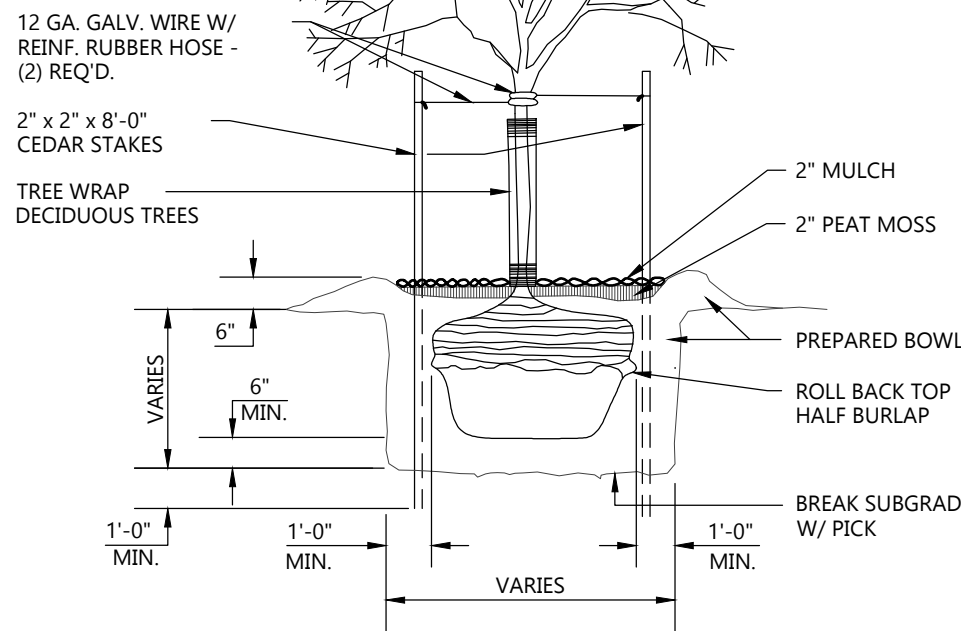
2024 © EXCEL ENGINEERING, INC.

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 DESIGNER.

HATCH KEY:

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



TREE PLANTING DETAIL

NOT TO SCALE

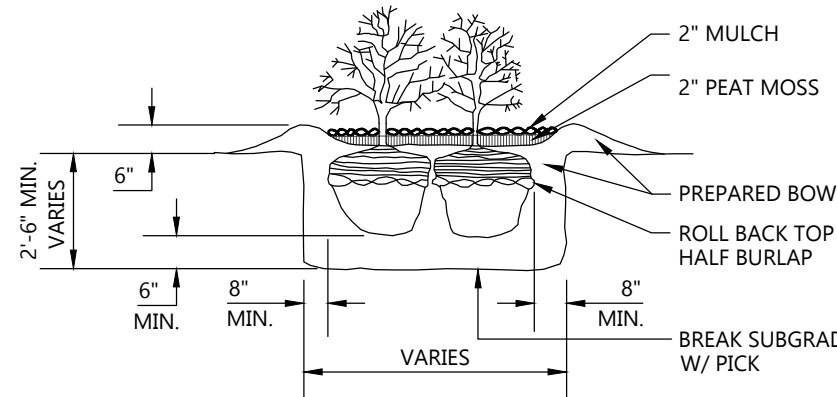
LANDSCAPING PLANTING SCHEDULE

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"	3
DECIDUOUS SHRUBS				
	Bush Morning Glory	Convolvulus cneorum	5 gal pot	8
	Adams Needle	Yucca flaccida	5 gal pot	9
	Barberry	Berberis spp.	1 gal pot	12
PERENNIALS				
	Ajuga	Ajuga reptans	1 gal pot	11
	Canadian Juniper	Juniperus communis	1 gal pot	12
	Daylilies 'Stella de Oro'	Hemerocallis 'Stella de Oro'	1 gal pot	13
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	29 SHRUBS

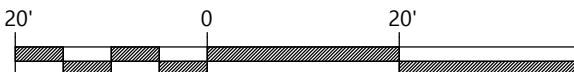
NOTE: FOR MASS
PLANTINGS EXCAVATE
ENTIRE BED &
BACKFILL W/
PREPARED SOIL.



SHRUB PLANTING DETAIL

NOT TO SCALE

SCALE: 1"= 20'



8.75' TEMPORARY
SLOPE EASEMENT AS
PER DOCUMENT NOS.
1092182 & 1092183

UTILITY EASEMENT
AS PER DOCUMENT
NO. 1801148

10' UTILITY
EASEMENT AS
PER DOCUMENT
NO. 596622

CROOKS AVENUE
63" CONCRETE PAVEMENT
VARIABLE WIDTH PUBLIC RIGHT-OF-WAY
VOLUME 1, PAGE 68

EAST 18TH STREET
36" CONCRETE PAVEMENT
60" PUBLIC RIGHT-OF-WAY
VOLUME 1, PAGE 68

N 89°16'20" W 198.75'(R)
N 89°33'09" E 198.75'(M)

PROPOSED TACO BELL
2,241 SF FOOTPRINT
CIVIL FF = 718.25
ARCH FF = 100.00

PORTION OF PARCEL B & C
VOLUME 1, PAGE 68
N/F: BEATEN'S MINI MALL LLC
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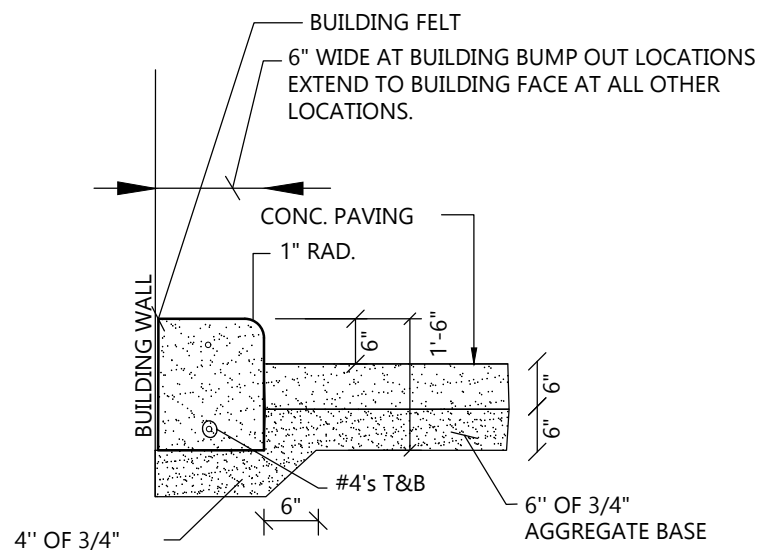
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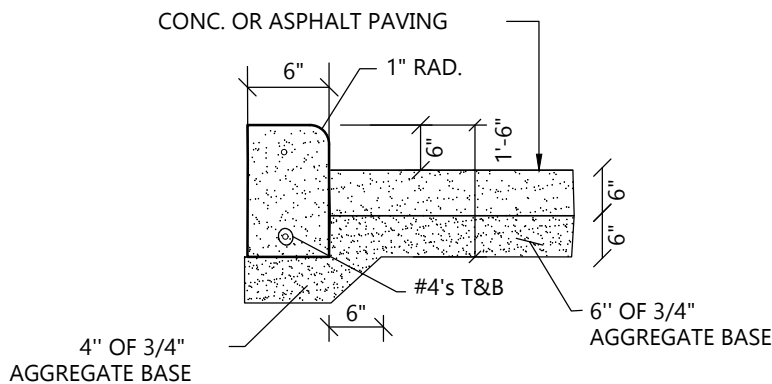
ENDEAVOR 2.0
CIVIL DETAILS

C2.0



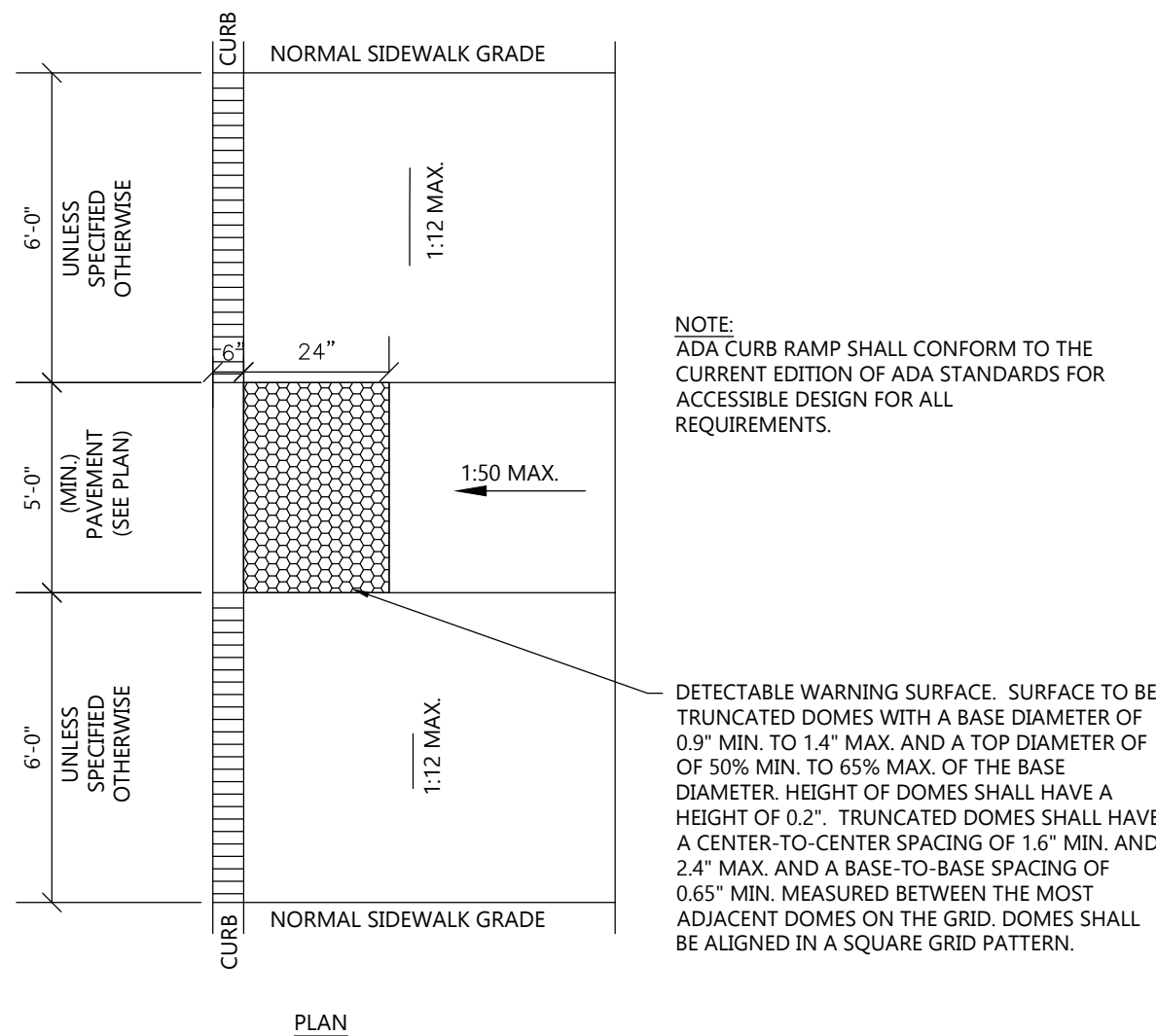
DRIVE-THRU BUILDING
VERTICAL CURB DETAIL

NO SCALE



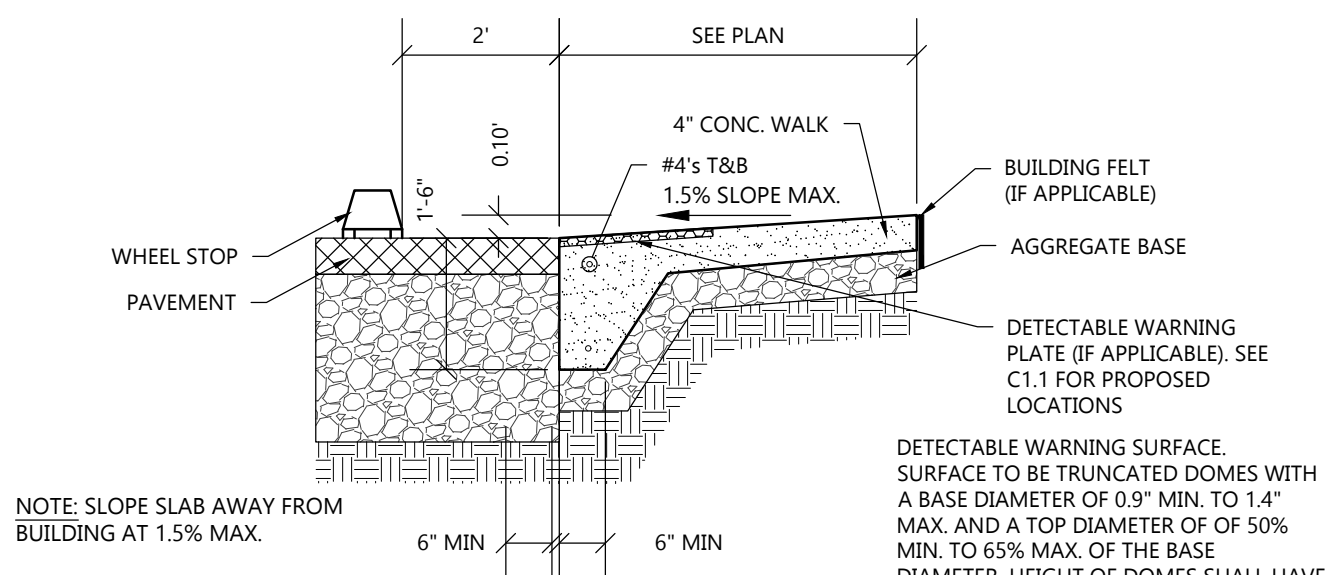
6" VERTICAL CURB DETAIL

NO SCALE



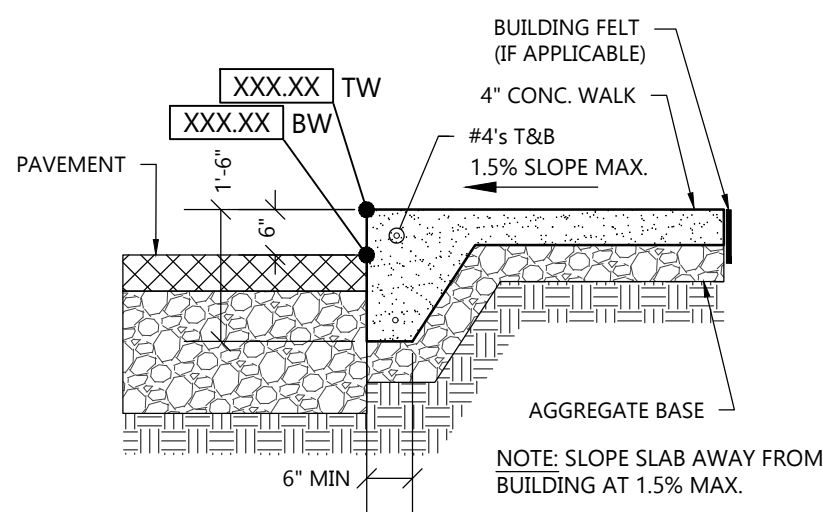
ADA SIDEWALK RAMP DETAIL

NOT TO SCALE



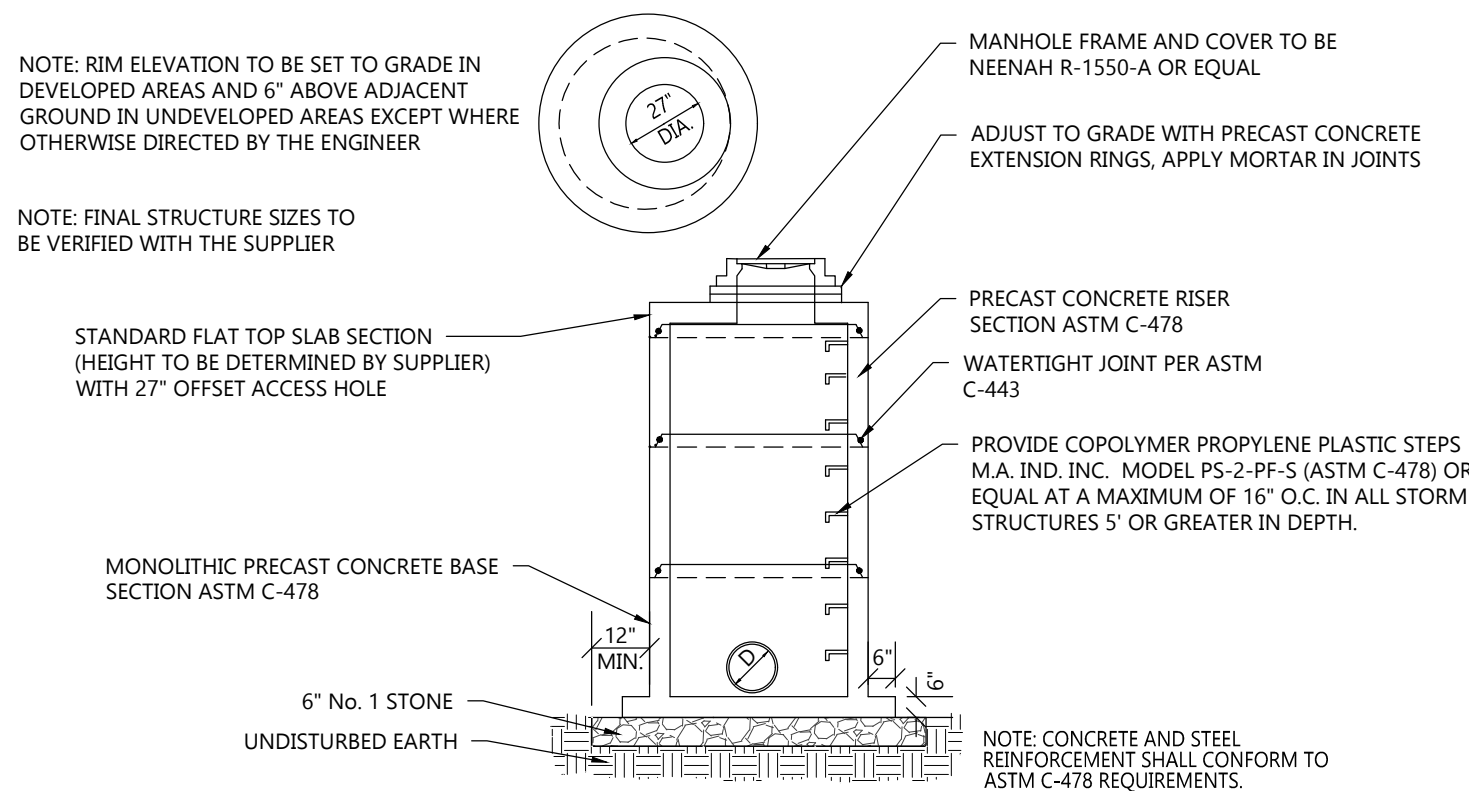
FLUSH WALK DETAIL

NOT TO SCALE



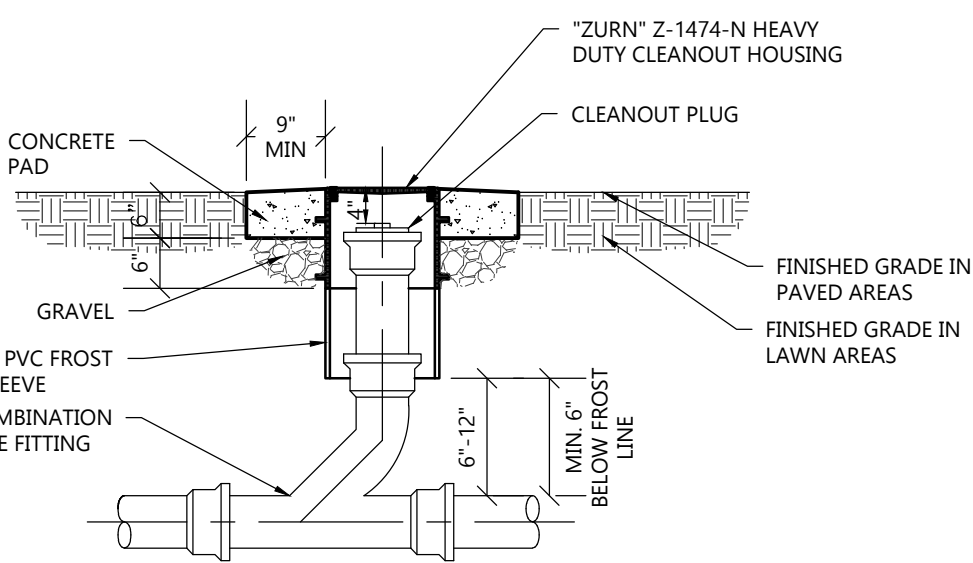
RAISED WALK DETAIL

NOT TO SCALE



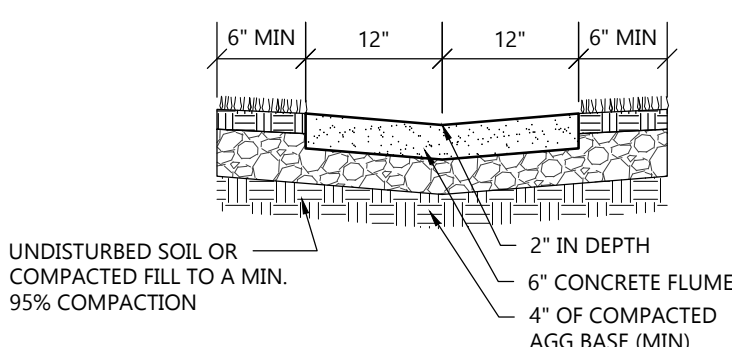
STORM MANHOLE DETAIL

NOT TO SCALE



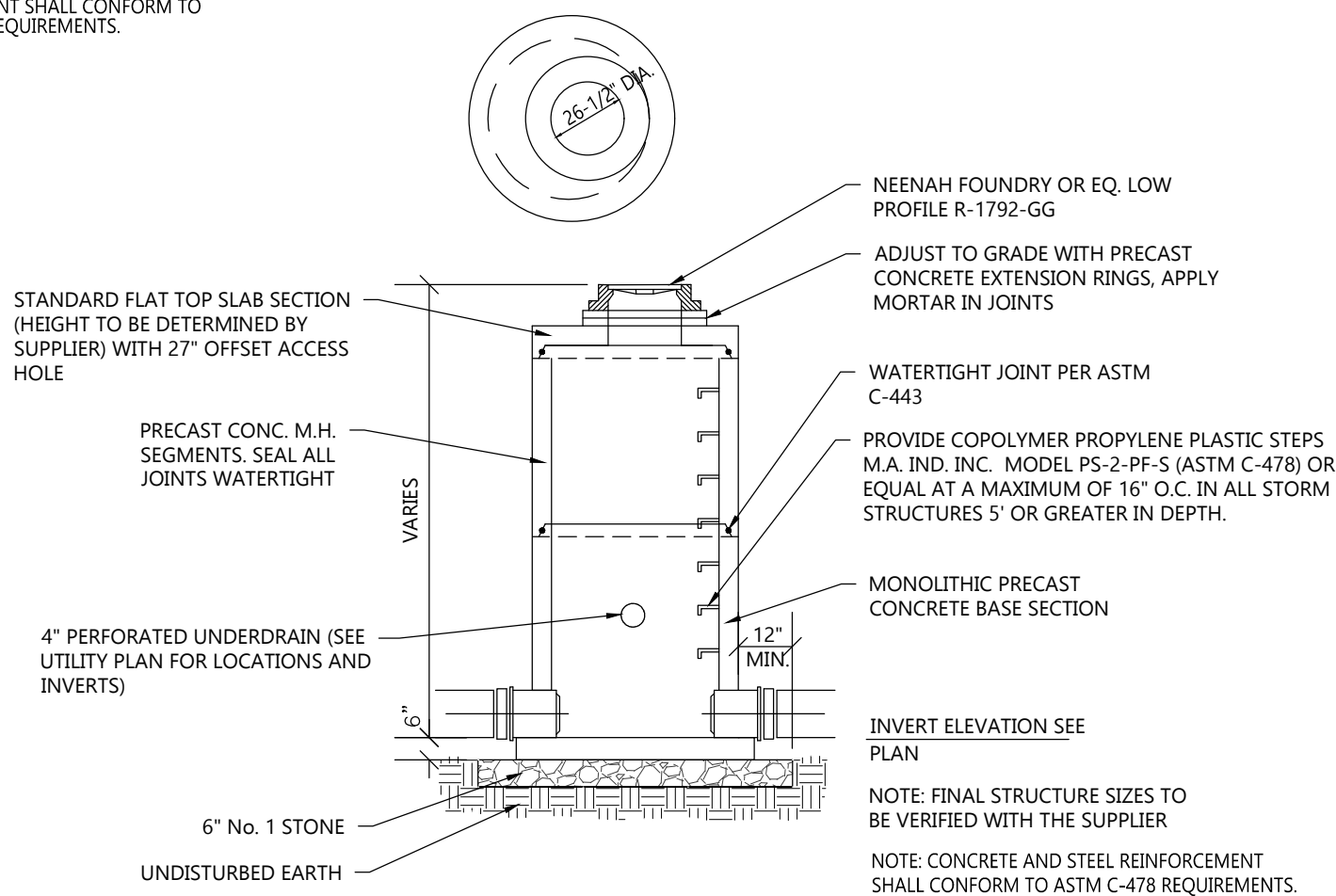
CLEANOUT TO GRADE DETAIL

NOT TO SCALE



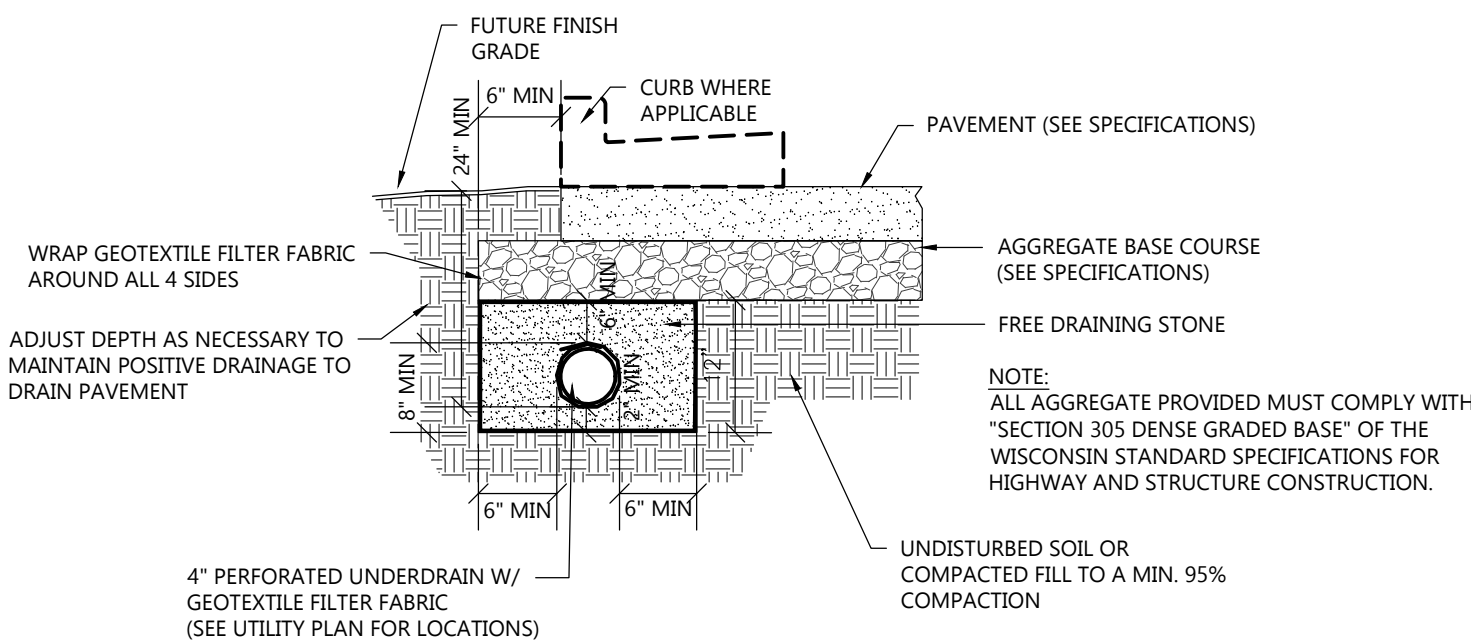
CONCRETE FLUME DETAIL (LAWN)

NOT TO SCALE



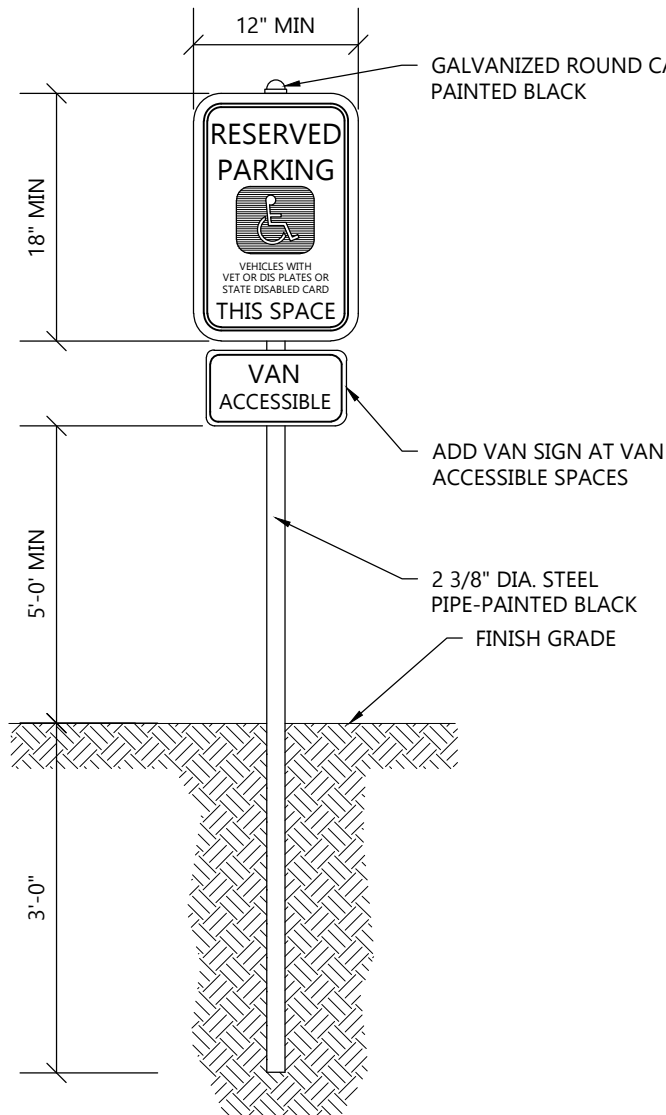
STORM CATCH BASIN DETAIL

NOT TO SCALE



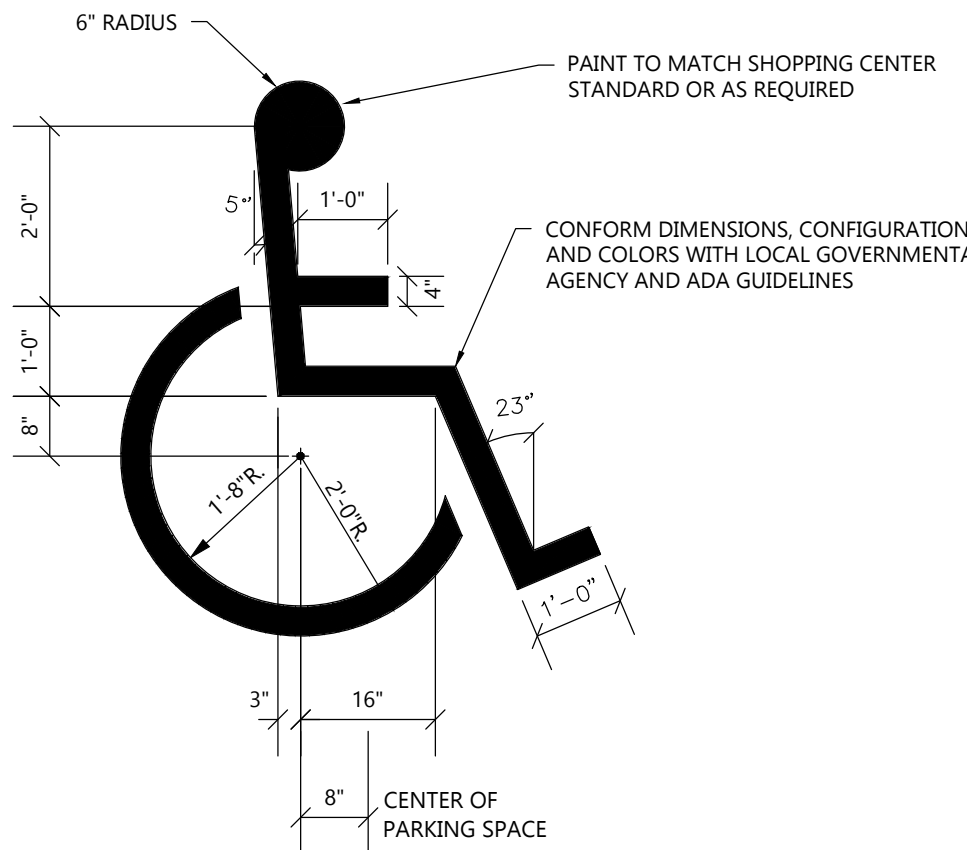
PAVING WITH UNDERDRAIN DETAIL

NOT TO SCALE



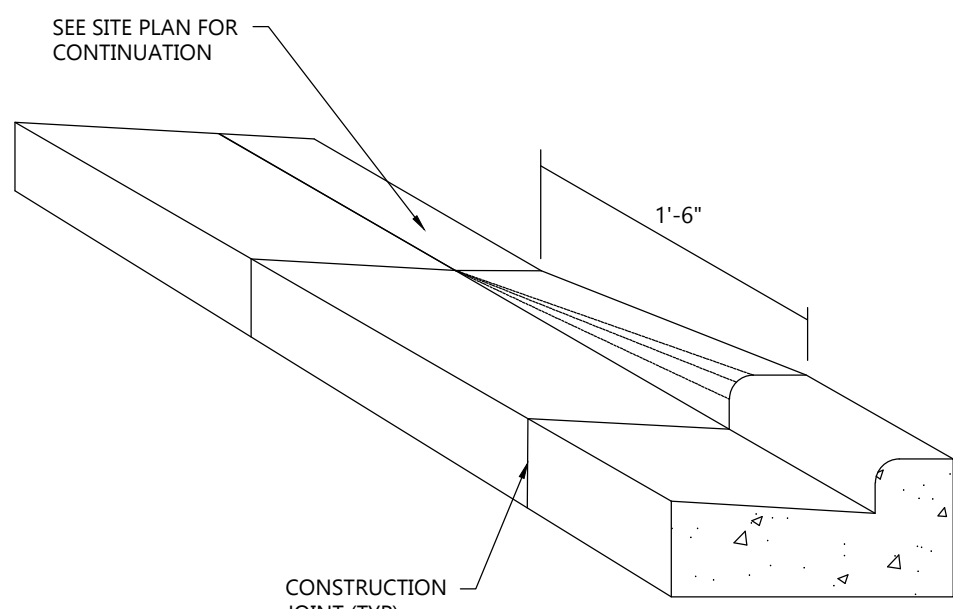
HANDICAP SIGNAGE WITHOUT CONCRETE BASE DETAIL

NOT TO SCALE



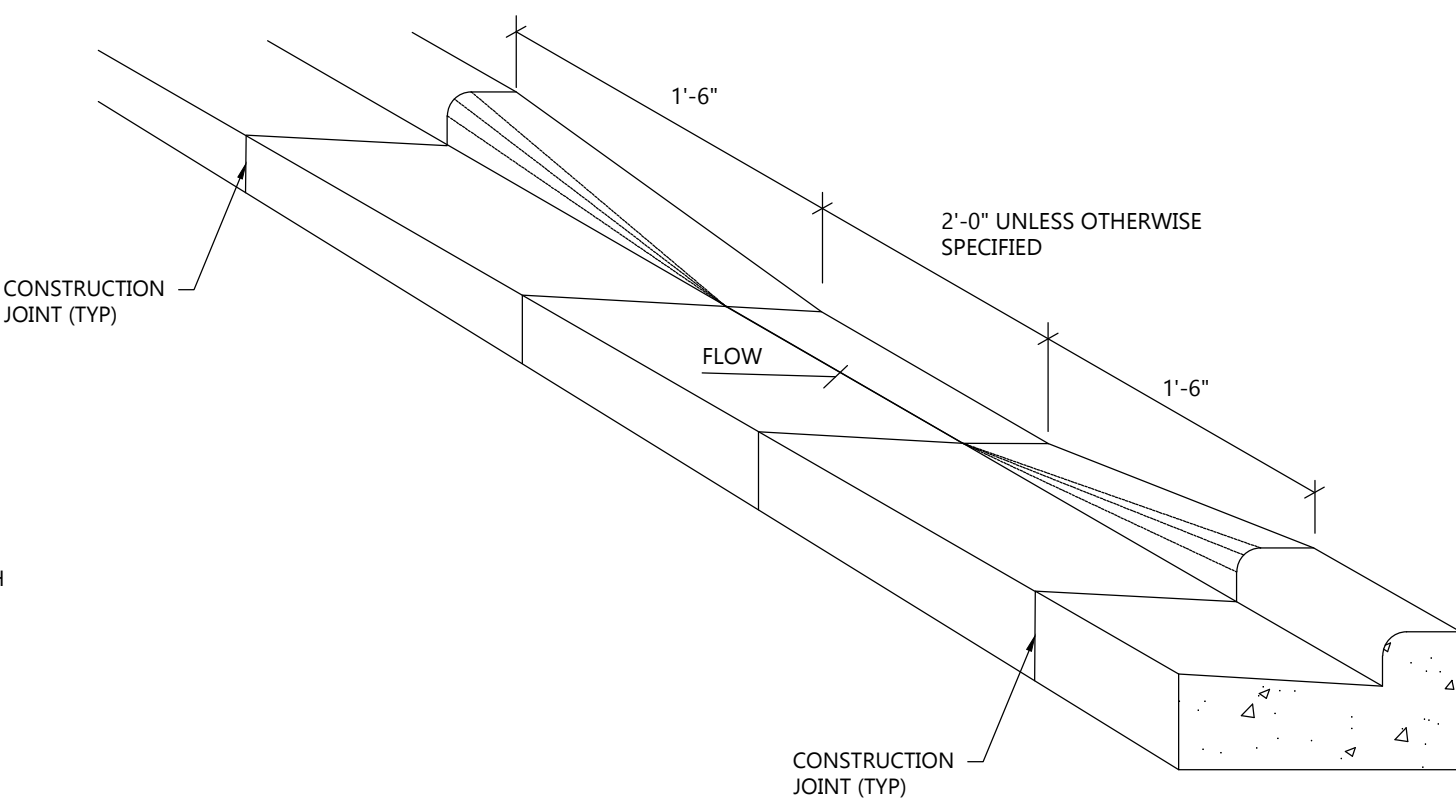
HANDICAP STALL SYMBOL

NOT TO SCALE



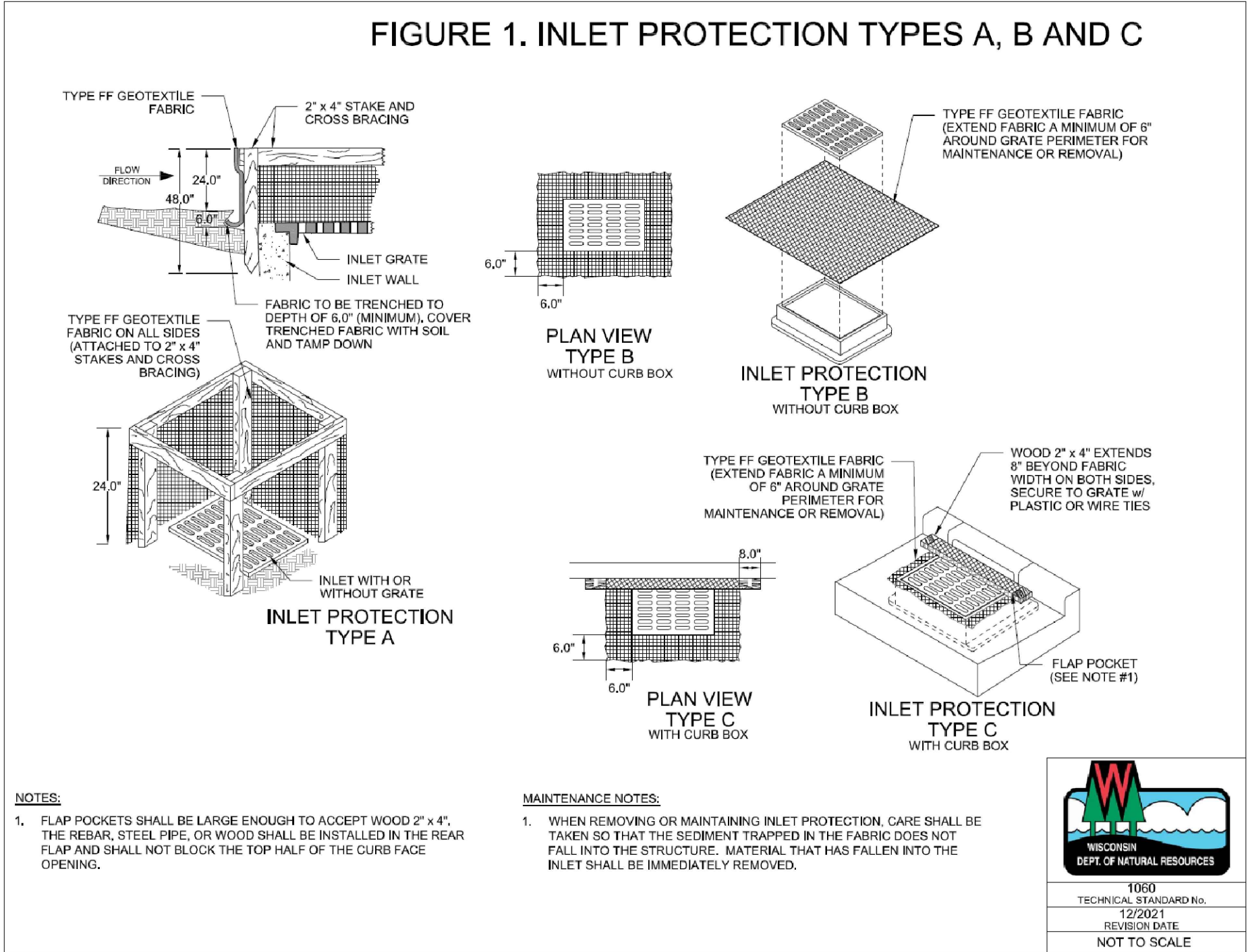
CURB TAPER DETAIL

NOT TO SCALE



CURB CUT DETAIL

NOT TO SCALE



INLET PROTECTION DETAIL
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.

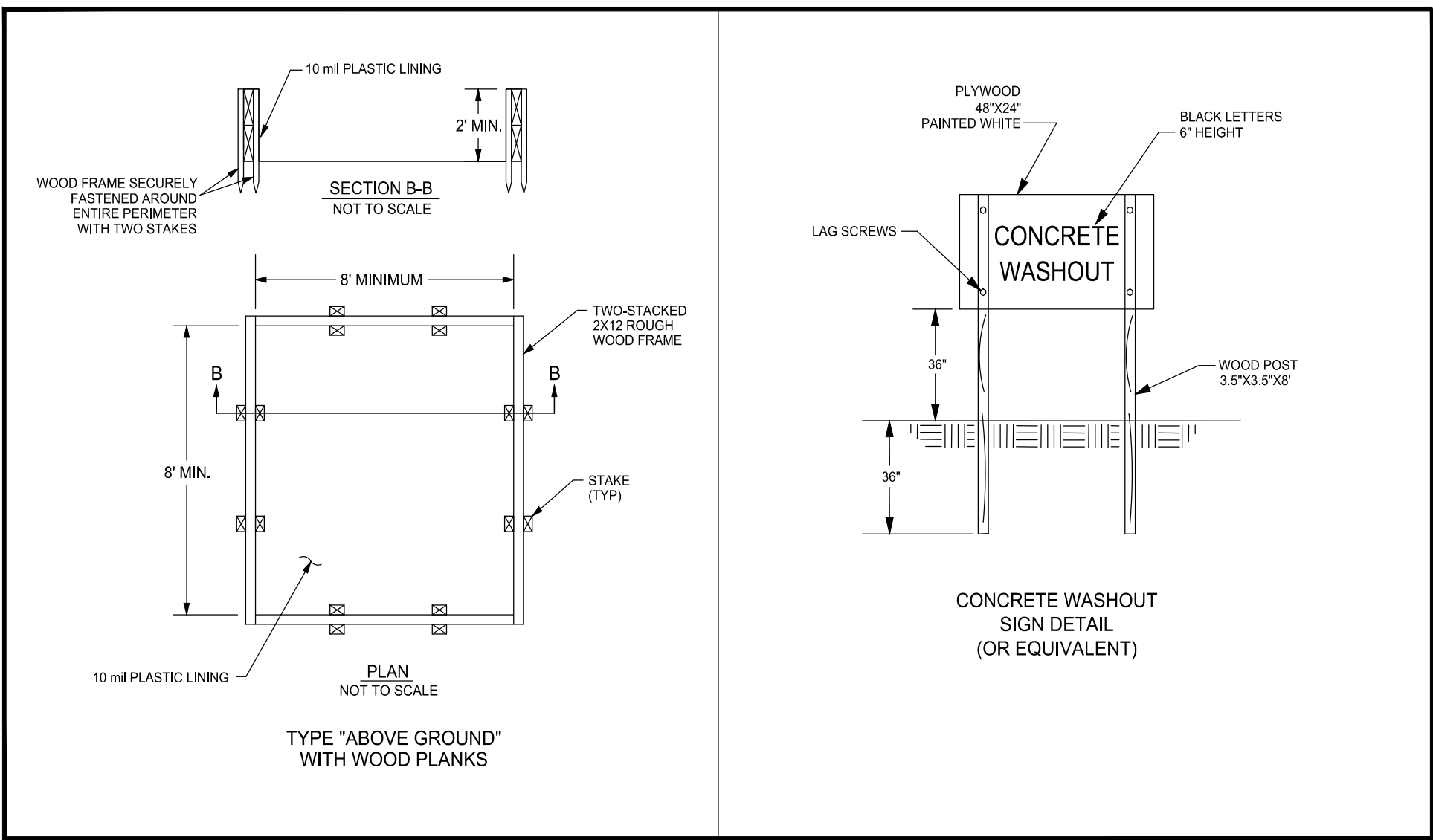
EDGES OF EROSION MAT SHALL BE IMPRESSED IN THE SOIL.

EROSION MAT SHALL PAID BY THE SQUARE YARD INSTALLED.

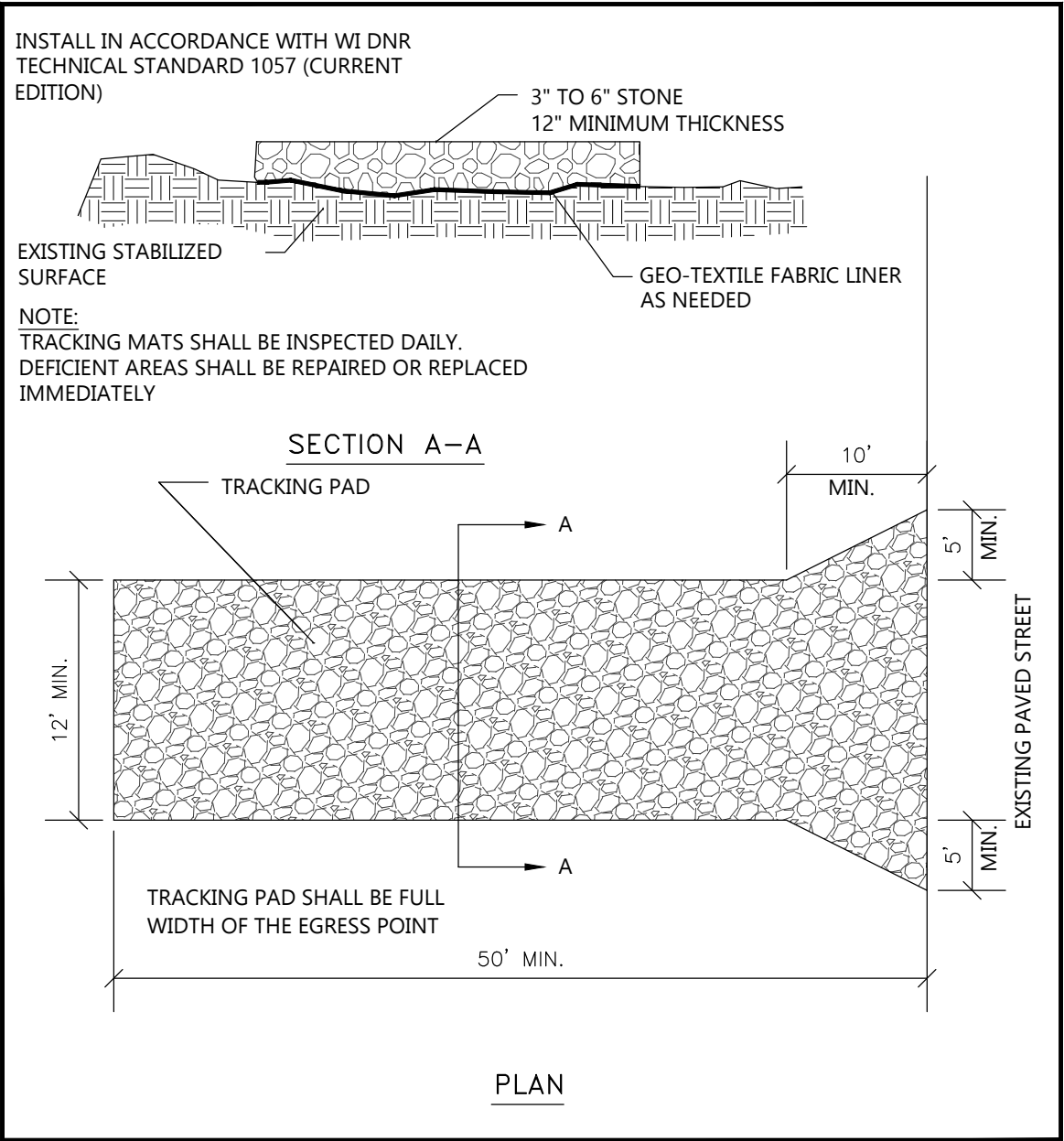
EROSION MAT OVER SEEDING

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%.

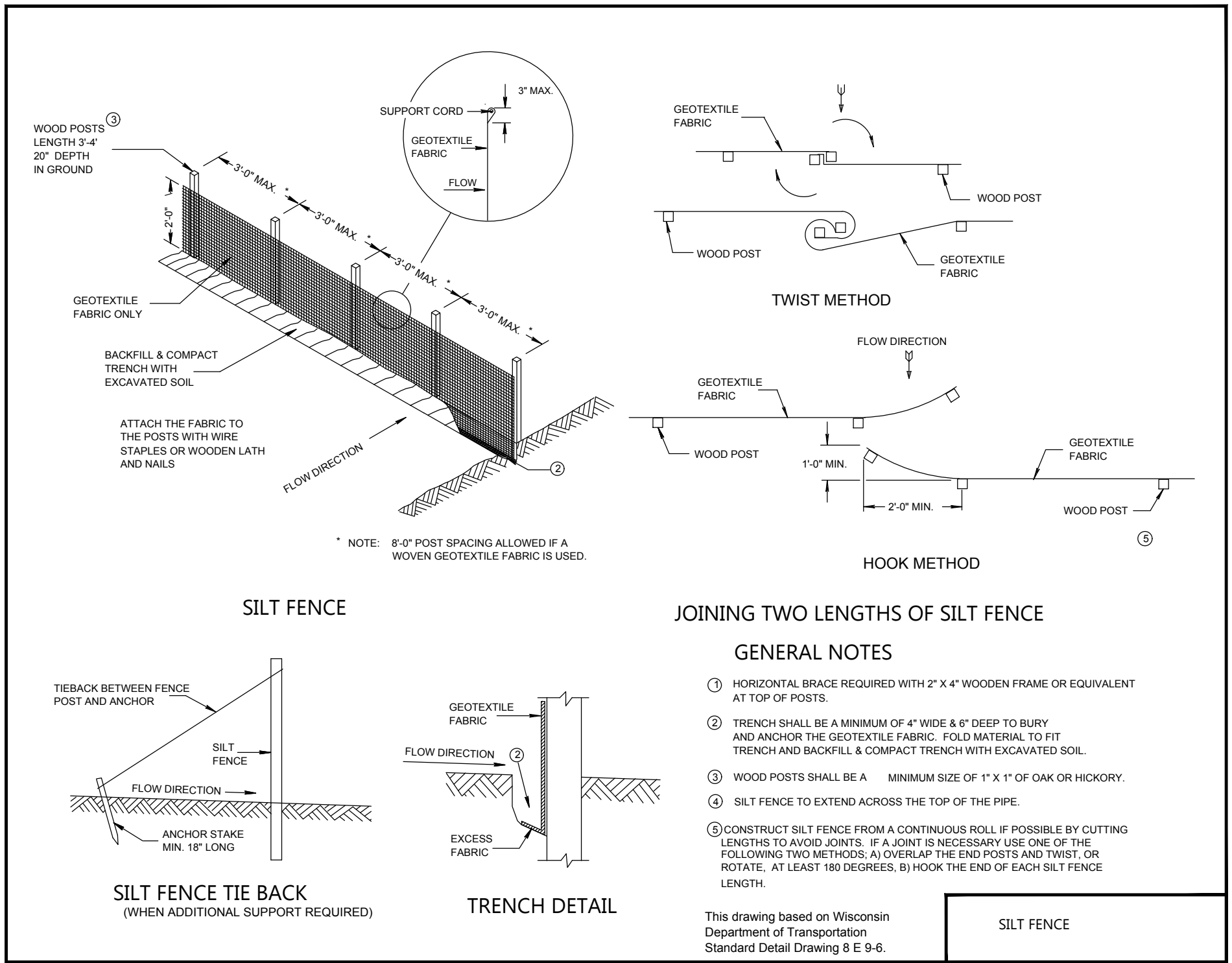
NOTE:
SEE SPECIFICATIONS FOR MATTING TYPE



CONCRETE WASHOUT DETAIL
NOT TO SCALE



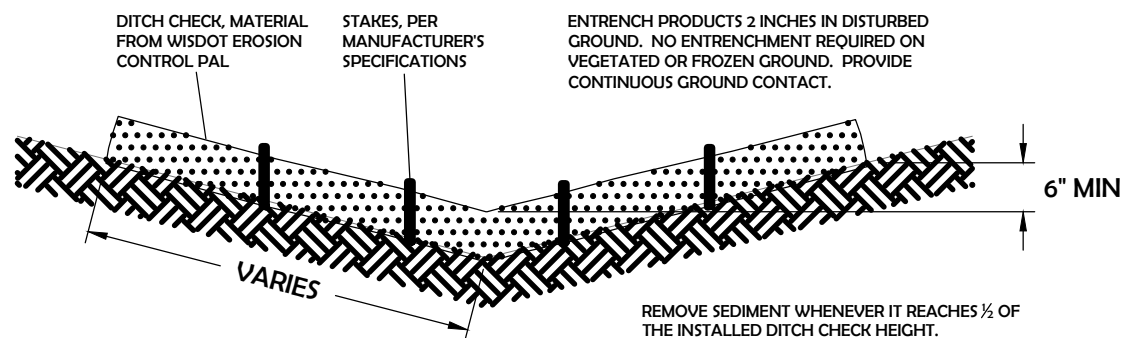
TRACKPAD DETAILS
NOT TO SCALE



SILT FENCE - INSTALLATION DETAIL
NOT TO SCALE

DITCH CHECK DETAIL

LOG-TYPE DITCH CHECK



Always a Better Plan

100 Camelot Drive
Fond du Lac, WI 54935
920-926-9800
excelengineer.com



PACIFIC BELLS, LLC
111 W. 39TH STREET
VANCOUVER, WA 98660

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

	DATE	REMARKS
	11/20/2024	PRELIM

PROFESSIONAL SEAL

JOB NUMBER

240296000



ENDEAVOR 2.0
CIVIL DETAILS

C2.1



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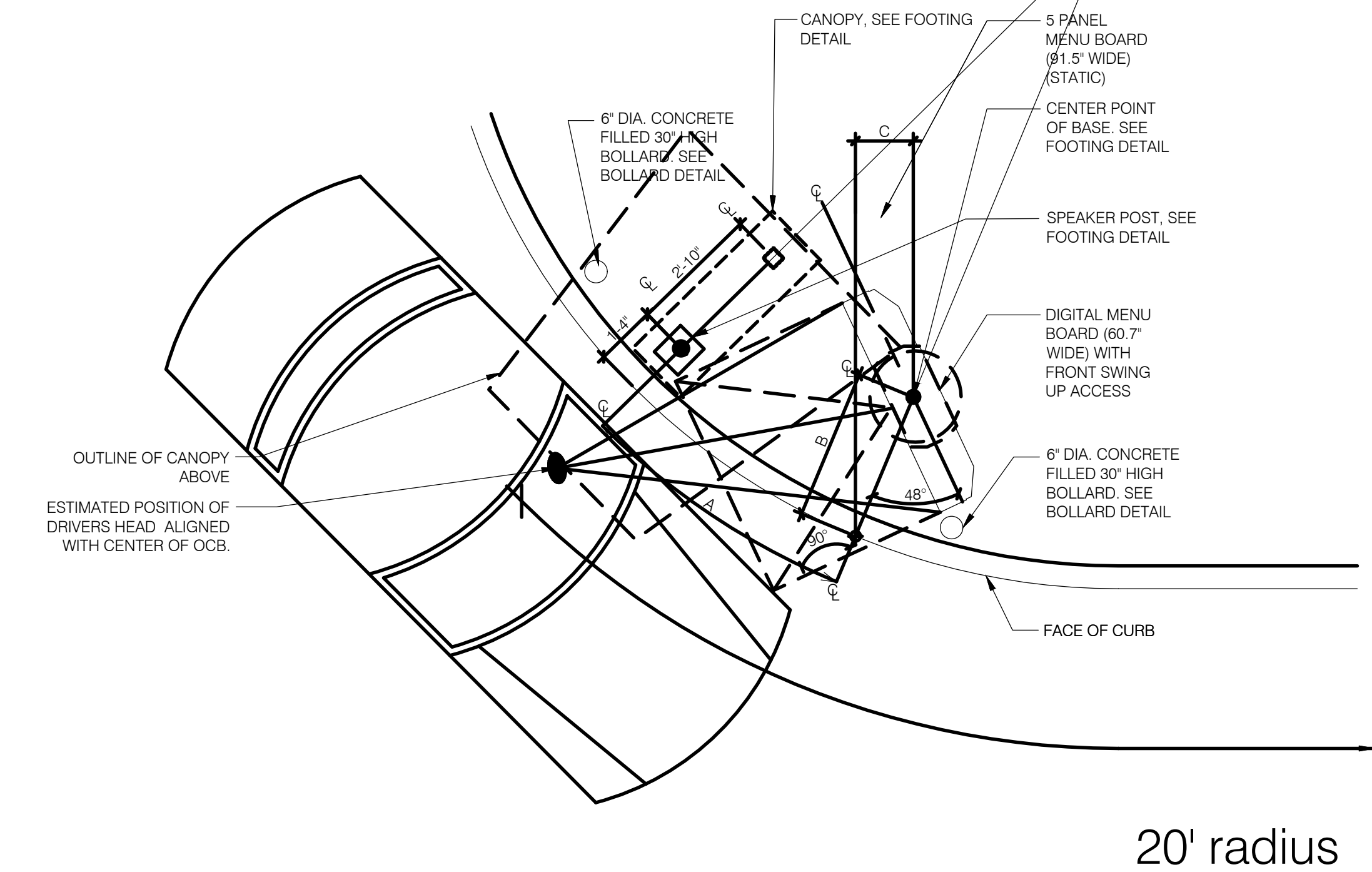


ENDEAVOR 2.0
CIVIL DETAILS

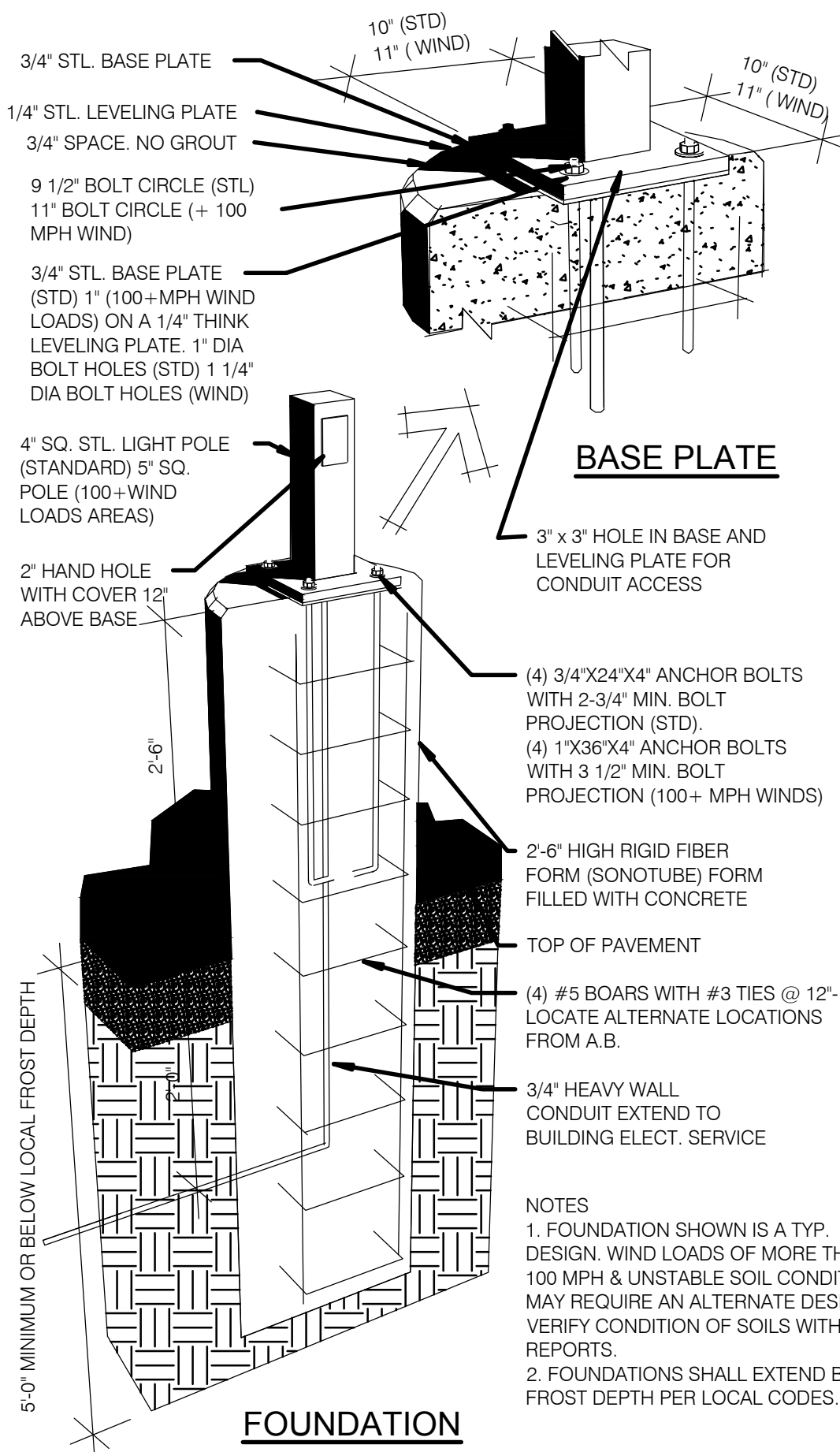
C2.2

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

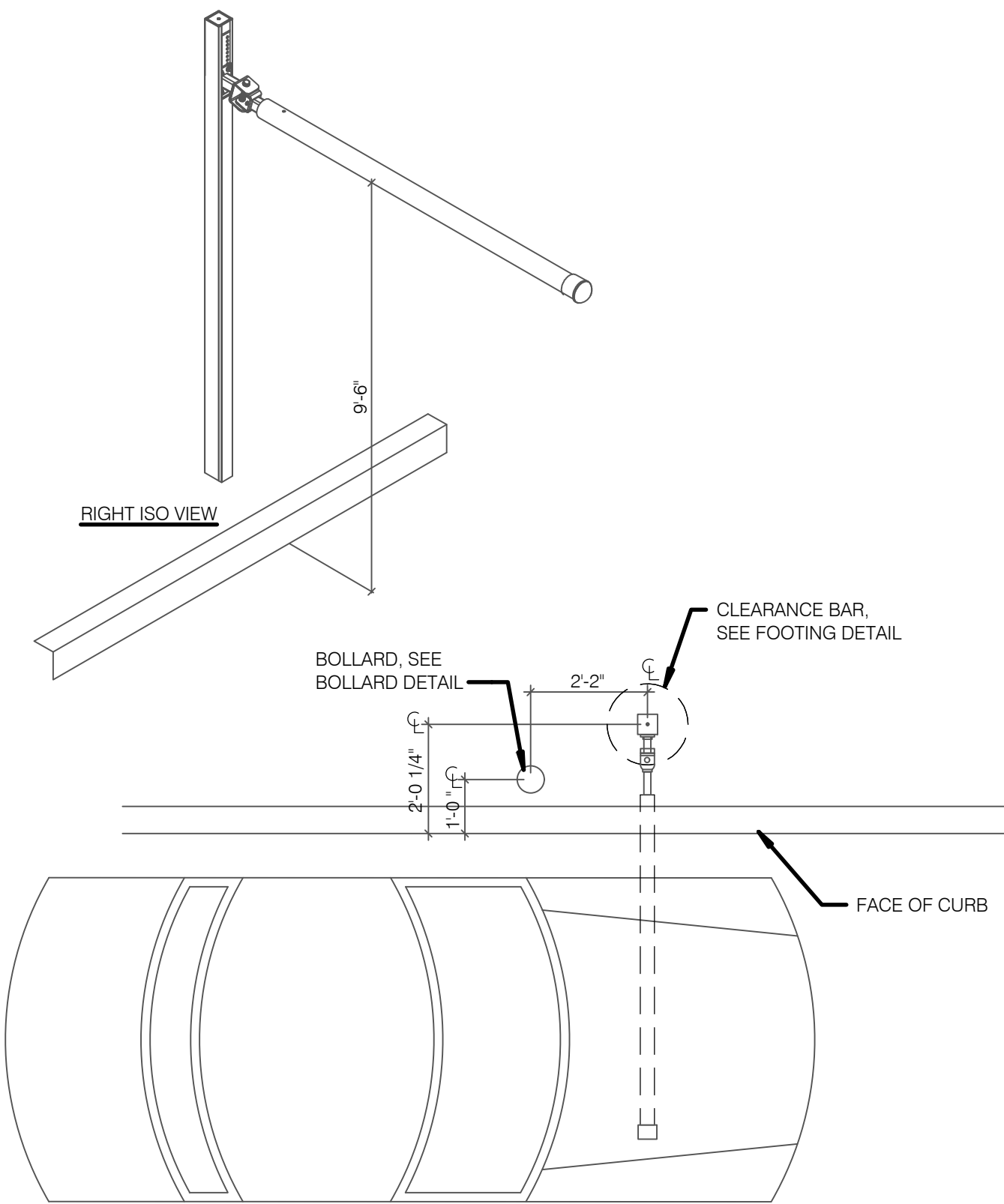
CORNER DIMENSIONS				
RADIUS	A	B	C	MENU BRD DEG TILT
15'-0"	6'-3"	3'-3"	1'-3"	48°
18'-0"	5'-10"	3'-6"	1'-7"	52°
20'-0"	5'-11"	3'-7"	1'-9"	54°



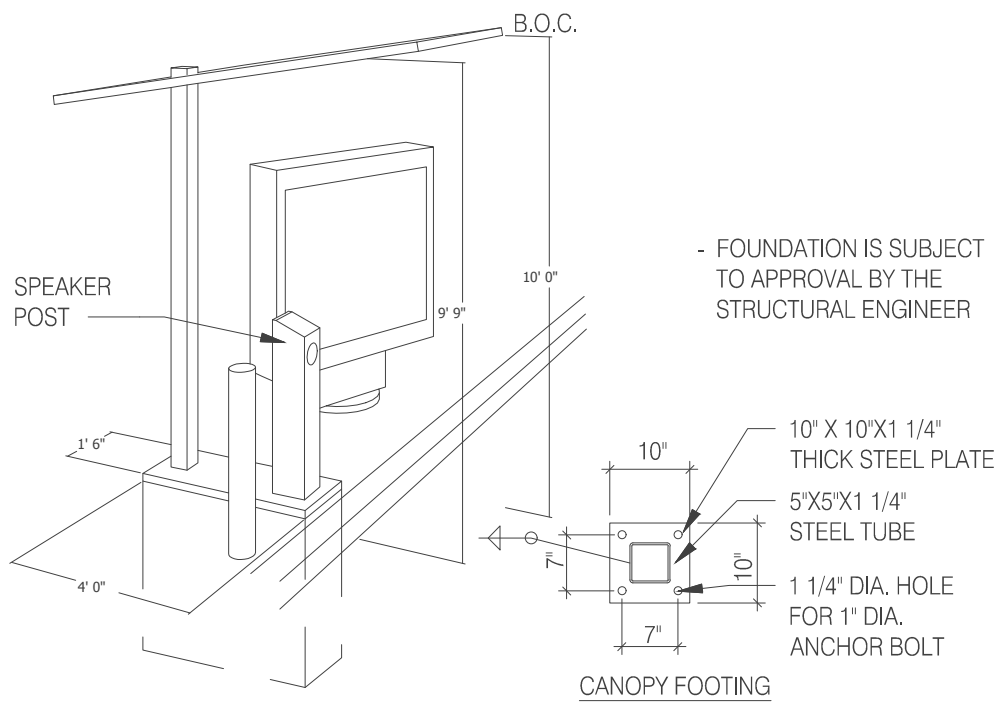
ENLARGED MENU BOARD DETAIL @ CURVED CURB 3/8" = 1'-0" 10



LIGHT POLE FOOTING



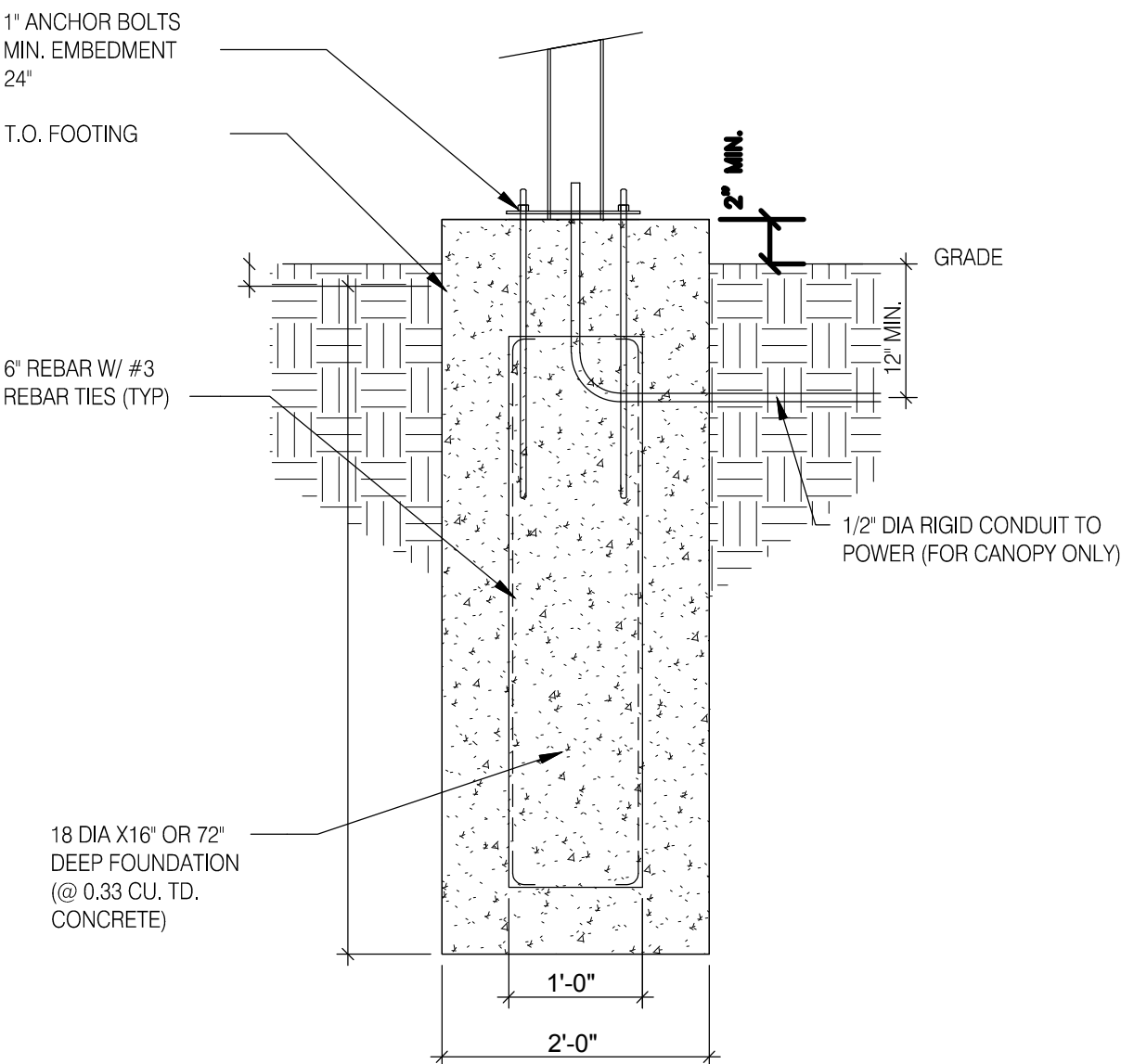
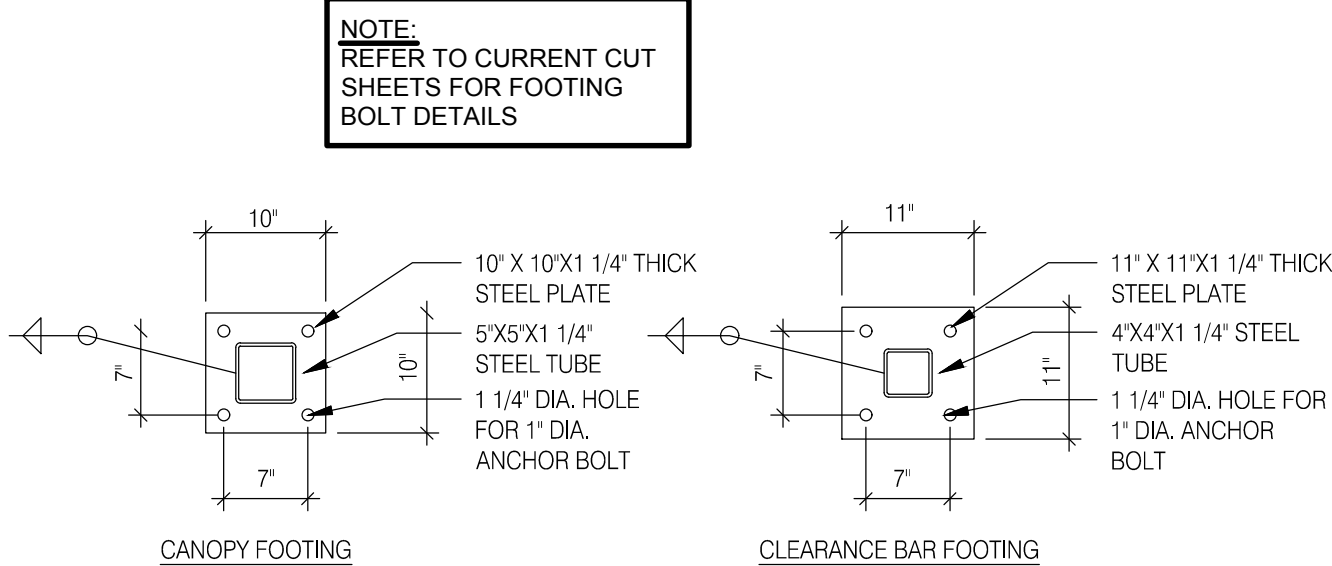
PORTAL PLACEMENT DETAIL



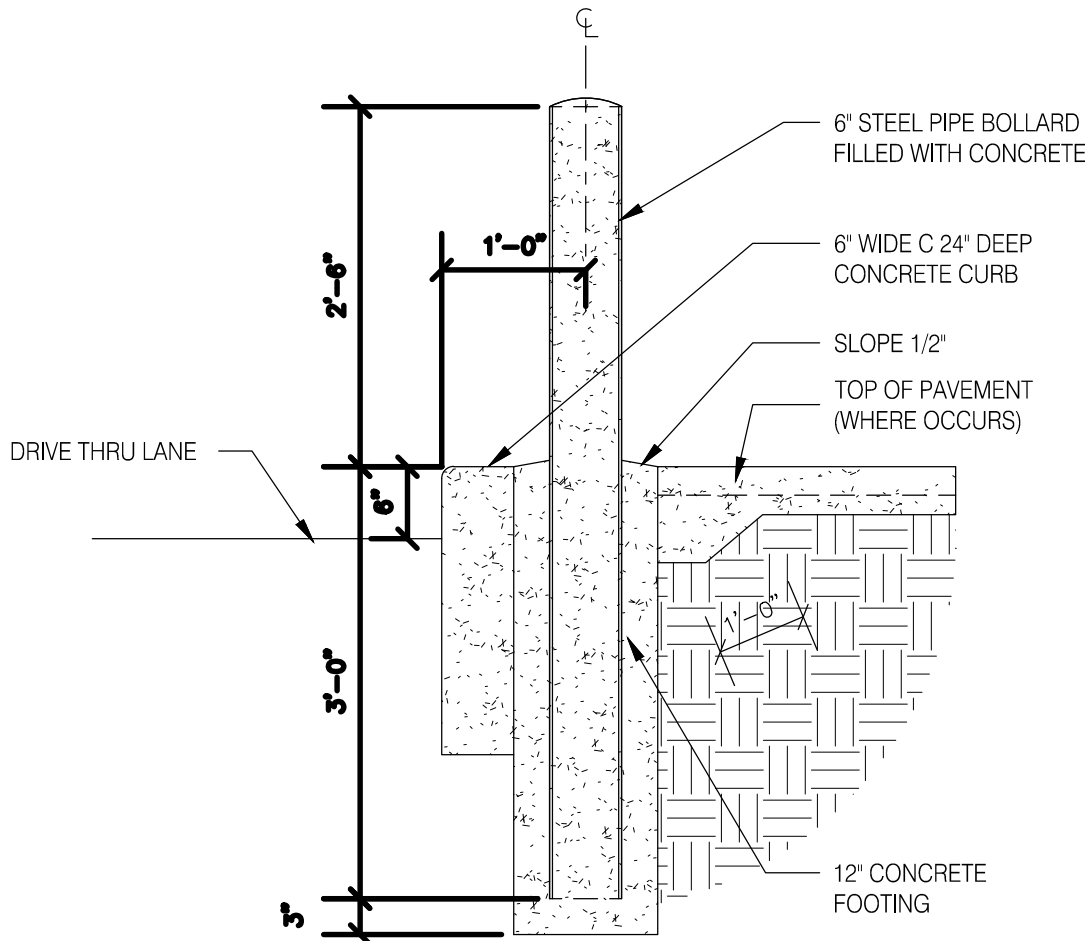
CANOPY AND SPEAKER FOOTING

N.T.S.

9



CLEARANCE BAR AND CANOPY FOOTING

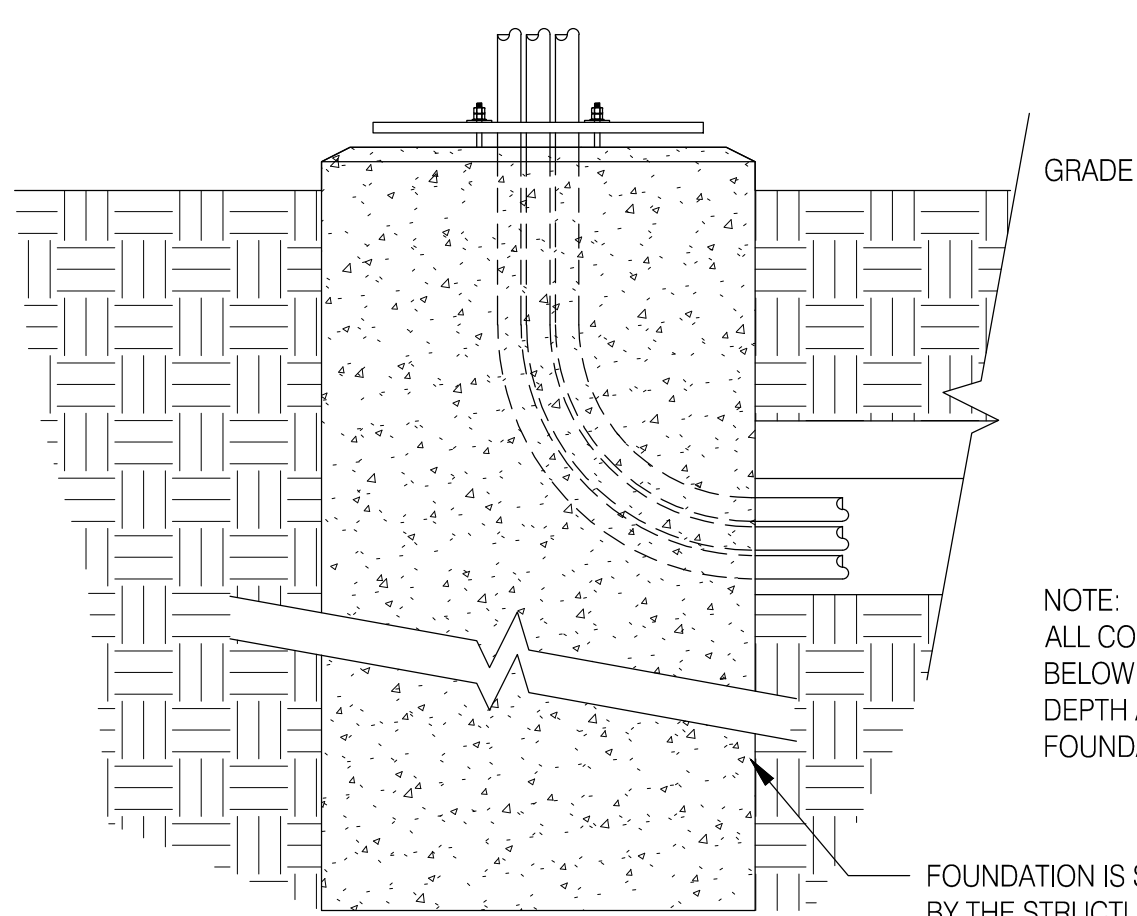
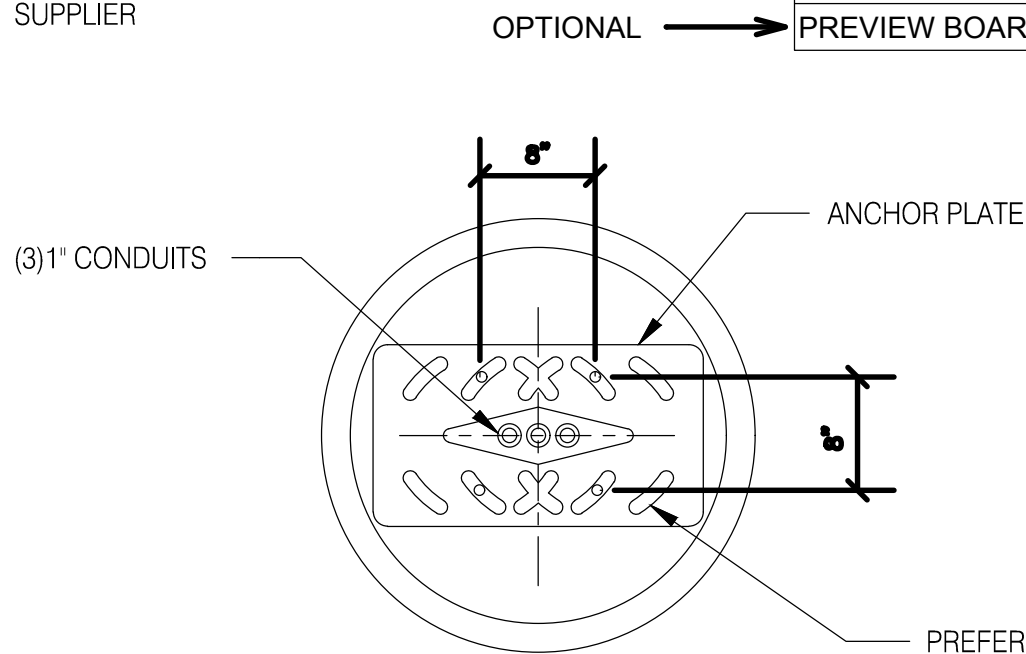


BOLLARD AT DRIVE THROUGH

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"

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



MENU FOUNDATION

