

PROPOSED RENOVATION FOR: KWIK TRIP STORE #1511 MADISON, WISCONSIN

EXCEL LEGEND

	PROPOSED SPOT ELEVATIONS (FLOW LINE OF CURB UNLESS OTHERWISE SPECIFIED)		EXISTING CONIFEROUS TREE
	EXISTING GRADE SPOT ELEVATIONS		EXISTING SHRUB
	PROPOSED SPOT ELEVATIONS (REFERENCE R-WALL DETAIL)		EXISTING STUMP
	PROPOSED SPOT ELEVATIONS (TOP OF CURB, BOTTOM OF CURB)		SOIL BORING
	PROPOSED SPOT ELEVATIONS (TOP OF WALK, BOTTOM OF WALK)		EXISTING WELL
	EXISTING WATER VALVE IN BOX		PROPOSED WELL
	PROPOSED WATER VALVE IN BOX		EXISTING LIGHT POLE
	EXISTING WATER VALVE IN MANHOLE		EXISTING SIGN
	EXISTING WATER SERVICE VALVE		CENTER LINE
	EXISTING TELEPHONE MANHOLE		EXISTING HANDICAP PARKING STALL
	EXISTING STORM CATCH BASIN		PROPOSED HANDICAP PARKING STALL
	PROPOSED STORM CATCH BASIN - ST CB		EXISTING GAS VALVE
	PROPOSED STORM FIELD INLET - ST FI		EXISTING WOODED AREA
	EXISTING SQUARE CATCH BASIN		EXISTING HEDGE
	EXISTING STORM CURB INLET		EXISTING CHAINLINK FENCE
	PROPOSED STORM CURB INLET - ST CI		EXISTING WOOD FENCE
	EXISTING UTILITY POLE		PROPOSED PROPERTY LINE
	EXISTING UTILITY POLE WITH GUY WIRE		EXISTING GUARD RAIL
	EXISTING STREET LIGHT		EXISTING STORM SEWER AND MANHOLE
	EXISTING TELEPHONE PEDESTAL		PROPOSED STORM SEWER AND MANHOLE - ST MH
	EXISTING ELECTRIC PEDESTAL		EXISTING SANITARY SEWER AND MANHOLE
	EXISTING ELECTRIC BOX		PROPOSED SANITARY SEWER AND MANHOLE - SAN MH
	EXISTING CABLE TV PEDESTAL		EXISTING WATER LINE AND HYDRANT
	PROPOSED DRAINAGE FLOW		PROPOSED WATER LINE AND HYDRANT
	1-1/4" REBAR SET WEIGHING 4.30 LB/FT.		EXISTING OVERHEAD UTILITY LINE
	3/4" REBAR SET WEIGHING 1.50 LB/FT.		EXISTING UNDERGROUND FIBER OPTIC LINE
	1-1/4" REBAR FOUND		EXISTING UNDERGROUND ELECTRIC CABLE
	3/4" REBAR FOUND		EXISTING UNDERGROUND TELEPHONE CABLE
	2" IRON PIPE FOUND		EXISTING UNDERGROUND GAS LINE
	1" IRON PIPE FOUND		PROPOSED CURB AND GUTTER
	EXISTING FLOOD LIGHT		EXISTING CURB AND GUTTER
	SECTION CORNER		GRADING/SEEDING LIMITS
	PROPOSED APRON END SECTION		RIGHT-OF-WAY LINE
	EXISTING MARSH AREA		INTERIOR PROPERTY LINE
	EXISTING DECIDUOUS TREE WITH TRUNK DIAMETER		RAILROAD TRACKS
	EROSION MATTING		EXISTING GROUND CONTOUR
	PROPOSED INLET PROTECTION		PROPOSED GROUND CONTOUR

EXISTING CONDITIONS NOTE:
EXISTING CONDITIONS PER SNYDER & ASSOCIATES, INC., ALTA SURVEY PROJECT NO. 120.0498.30 DATED JUNE 29TH, 2020. CONTACT SCOTT ANDERSON @ SANDERSON@SNYDER-ASSOCIATES.COM OR 608-838-0444 X238 FOR ANY QUESTIONS REGARDING EXISTING CONDITIONS.

SNYDER & ASSOCIATES LEGEND

	3/4" REBAR FOUND		TRAFFIC SIGNAL MANHOLE
	1" IRON PIPE FOUND		STREET LIGHT
	3/4" SOLID IRON ROD (S.I.R.) SET WT. 1.50 LB/FT.		ELECTRIC MANHOLE
	CHISELED 'X' PLACED		ELECTRIC BOX
	SANITARY SEWER MANHOLE		ELECTRIC TRANSFORMER
	WATER VALVE		COMMUNICATIONS VAULT
	FIRE HYDRANT		GAS METER
	STORM SEWER MANHOLE		FLAG POLE
	CIRCULAR INTAKE/INLET		DECIDUOUS TREE (SIZE VARIES)
	CURB INLET		STORM SEWER LINE
	LANDSCAPING		SANITARY SEWER LINE
	GUY ANCHOR		WATER LINE
	UTILITY POLE		GAS LINE
	AIR CONDITIONER		UNDERGROUND ELECTRIC
	BOLLARD		UNDERGROUND COMMUNICATIONS
			OVERHEAD UTILITIES

DIVISION 31 EARTH WORK

31 10 00 SITE CLEARING (DEMOLITION)

- 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.
- DEMOLITION PLAN IS AN OVERVIEW OF THE WORK 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.
- CONTRACTOR TO PROTECT EXISTING IMPROVEMENTS THAT ARE SCHEDULED TO REMAIN. ANY DAMAGE TO EXISTING FACILITIES SHALL BE REPLACED AT CONTRACTORS EXPENSE.
- ALL CONCRETE NOTED TO BE REMOVED SHALL BE REMOVED TO THE NEAREST CONTROL JOINT.

31 20 00 EARTH MOVING

- 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.
- 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.
- 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.
- 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, OTHER COMPOSITE SATISFACTORY SOIL MATERIAL THAT IS TOO WEAK TO COMPACT TO SPECIFIED DRY DENSITY.
- 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.
- 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.
 - UNDER FOUNDATIONS - SUBGRADE, AND EACH LAYER OF BACKFILL OR FILL MATERIAL, TO NOT LESS THAN 98 PERCENT.
 - 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.
 - 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.
 - UNDER EXTERIOR CONCRETE AND ASPHALT PAVEMENTS - COMPACT THE SUBGRADE AND EACH LAYER OF BACKFILL OR FILL MATERIAL TO NOT LESS THAN 95 PERCENT.
 - UNDER WALKWAYS - COMPACT SUBGRADE AND EACH LAYER OF BACKFILL OR FILL MATERIAL TO NOT LESS THAN 95 PERCENT.
 - UNDER LAWN OR UNPAVED AREAS - COMPACT SUBGRADE AND EACH LAYER OF BACKFILL OR FILL MATERIAL TO NOT LESS THAN 85 PERCENT.
- CONTRACTOR SHALL ENGAGE A QUALIFIED INDEPENDENT TESTING AND INSPECTING AGENCY TO PERFORM FIELD TESTS AND INSPECTIONS. IT IS SUGGESTED THAT THE GEOTECHNICAL FIRM USED TO PERFORM THE SUBSURFACE SOIL INVESTIGATION BE ENGAGED FOR THE FIELD QUALITY CONTROL TESTS.
- 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.
- 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.
- 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.

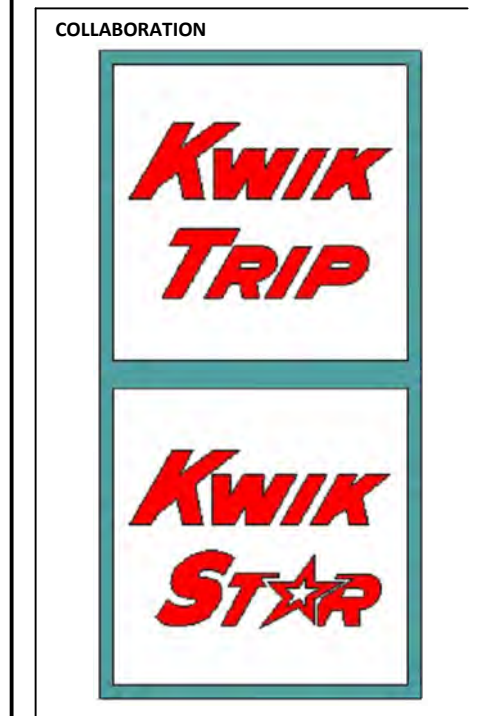
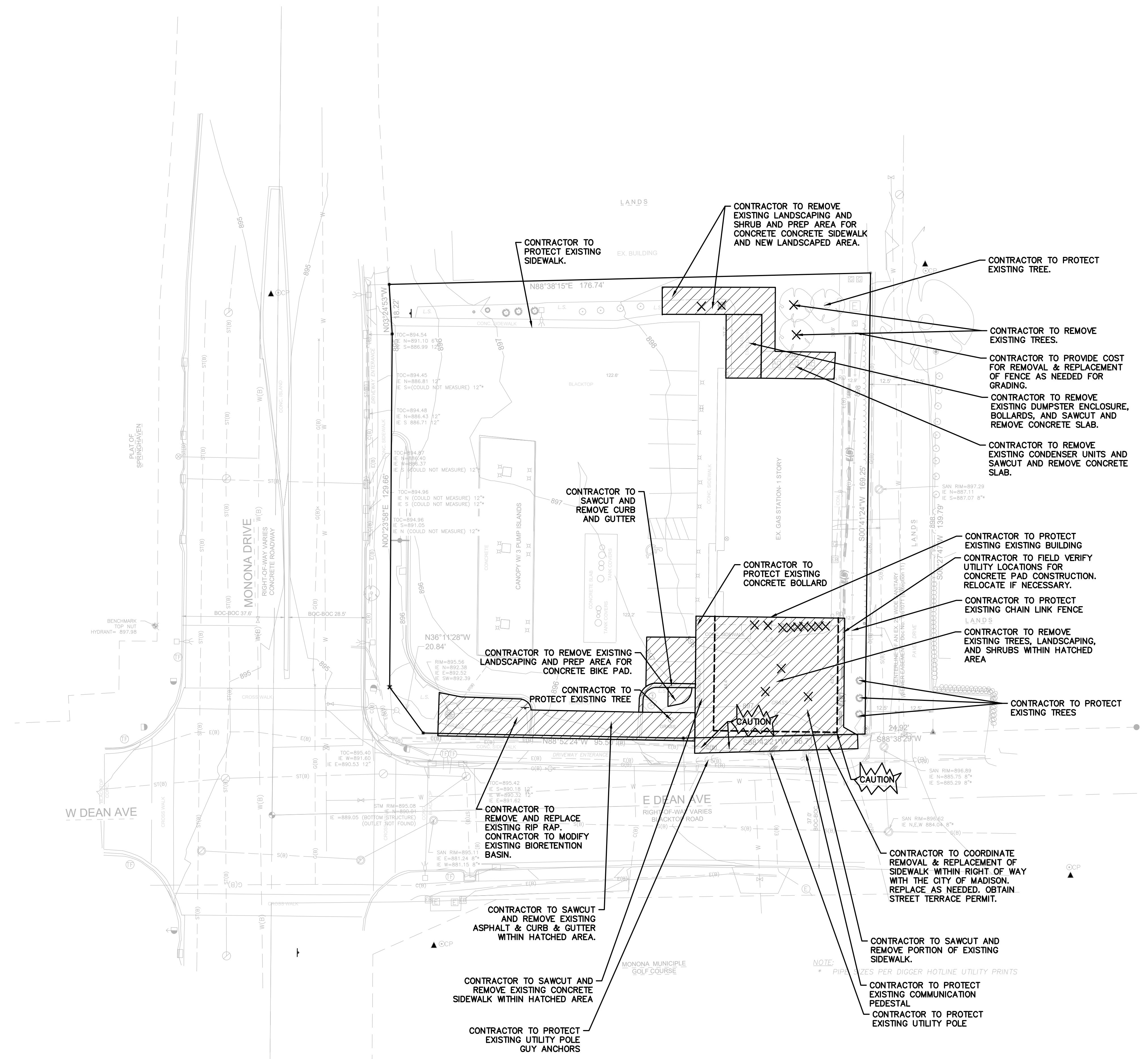
31 30 00 EROSION CONTROL

- 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.
- EROSION AND SEDIMENT CONTROL IMPLEMENTED DURING CONSTRUCTION SHALL STRICTLY COMPLY WITH THE GUIDELINES AND REQUIREMENTS SET FORTH IN WISCONSIN ADMINISTRATIVE CODE, WISCONSIN DEPARTMENT OF NATURAL RESOURCES PERMIT 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.
 - 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 1055 (CURRENT EDITION).
 - 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).
 - 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 3/4" CLEAN OR WASHED STONE AND SHALL BE PLACED IN A LAYER AT LEAST 12 INCHES THICK. THE STONE SHALL BE UNDERLAIN WITH A WSDOT 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, THE 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).
 - STORM DRAIN INLET PROTECTION 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).
 - DUST CONTROL MEASURES SHALL BE PROVIDED TO REDUCE OR PREVENT THE SURFACE AND AIR TRANSPORT OF DUST DURING CONSTRUCTION. CONTROL MEASURES INCLUDE AVOIDING WATER SPRAYING, SURFACE ROUGHENING, APPLYING POLYMERS, SPRAY-ON TACKERS, CHLORIDES AND BARBERS. SOME STATES MAY REQUIRE AN APPROACH THAT UTILIZES A COMBINATION OF MEASURES FOR DUST CONTROL. FOLLOW PROCEDURES FOUND IN WISCONSIN DNR TECHNICAL STANDARD 1068 (CURRENT EDITION).
 - 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 LATERAL RUNOFF AND DISPOSAL BY RUNOFF INTO WATERS OF THE STATE.
 - 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.
 - TEMPORARY SITE RESTORATION SHALL TAKE PLACE IN DISTURBED AREAS THAT WILL NOT BE BROUGHT TO FINAL GRADE OR ON WHICH LAND DEGRADING ACTIVITIES WILL NOT BE PERFORMED FOR A PERIOD GREATER THAN 14 DAYS AND REQUIRES VEGETATIVE COVER FOR LESS THAN ONE YEAR. THIS TEMPORARY 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 APPLIED 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 APPLIED TO SOIL STOCKPILES THAT EXIST FOR MORE THAN 7 DAYS. 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SPECIFICATION NOTE:
SEE SHEET C01 FOR PLAN SPECIFICATIONS AND REQUIREMENTS

- GENERAL NOTES:
- CONTRACTOR TO FIELD VERIFY ALL EXISTING UTILITIES AND SITE CONDITIONS PRIOR TO CONSTRUCTION. NOTIFY ENGINEER OF ANY DISCREPANCIES.
 - CONTRACTOR TO VERIFY LIMITS OF DEMOLITION AND REPLACEMENT. PROVIDE UNITS COSTS FOR REPLACEMENT OF ITEMS ANTICIPATED TO BE DISTURBED BEYOND THE LIMITS SHOWN.
 - CONTRACTOR TO OBTAIN CITY OF MADISON WORK IN RIGHT OF WAY PERMIT AND STREET TERRACE PERMIT PRIOR TO CONSTRUCTION.
 - CONTRACTOR TO COORDINATE REMOVAL AND REPLACEMENT OF EXISTING IRRIGATION LINES PRIOR TO CONSTRUCTION.
 - THE RIGHT-OF-WAY IS SOLE JURISDICTION OF THE CITY OF MADISON AND IS SUBJECT TO CHANGE AT ANY TIME PER THE RECOMMENDATION/PLAN OF TRAFFIC ENGINEERING AND CITY ENGINEERING DEPARTMENTS.
 - CONTRACTOR TO PROVIDE AS BUILT CAD FILE FOR STORM, STORMWATER MANAGEMENT, AND SANITARY TO BSTANLEY@CITY OF MADISON.COM.
 - EROSION CONTROL MEASURES ARE TO BE INSTALLED PRIOR TO ANY LEAD DISTURBANCE ACTIVITIES.
 - IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE NOTICE TO EC PERMIT APPLICANT OR AS THE PERMIT APPLICANT TO ADHERE TO MCO 37.11(4)(D). THE PERMITTEE SHALL GIVE TWO WORKING DAYS NOTICE TO THE ADMINISTRATIVE AUTHORITY (CITY ENGINEER) IN ADVANCE OF THE START OF ANY ACTIVITY.
 - A PROFESSIONAL ENGINEER CURRENTLY LICENSED IN THE STATE OF WISCONSIN SHALL CERTIFY THE INITIAL INSTALLATION AND IMPLEMENTATION OF THE MEASURES SHOWN ON THE APPROVED EROSION CONTROL PLAN. DOCUMENTATION ON THE CITY'S INSTALLATION CERTIFICATION FORM SHALL BE SUBMITTED TO THE ADMINISTRATIVE AUTHORITY WITHIN ONE WEEK OF THE INSTALLATION.
 - A PROFESSIONAL ENGINEER CURRENTLY LICENSED IN THE STATE OF WISCONSIN SHALL CERTIFY THE INITIAL INSTALLATION AND IMPLEMENTATION OF BEST MANAGEMENT PRACTICES (BMPs) SHOWN ON THE APPROVED STORMWATER MANAGEMENT PLAN. DOCUMENTATION SHALL BE SUBMITTED TO THE ADMINISTRATIVE AUTHORITY USING THE STANDARD FORM AVAILABLE FROM CITY ENGINEERING AND FOUND ON THE CITY'S WEBSITE.

EXISTING CONDITIONS NOTE:
EXISTING CONDITIONS PER SNYDER & ASSOCIATES, INC. ALTA SURVEY PROJECT NO. 120.0496.30 DATED JUNE 29TH, 2020. CONTACT SCOTT ANDERSON @ SANDERSON@SYNDER-ASSOCIATES.COM OR 608-838-0444 X238 FOR ANY QUESTIONS REGARDING EXISTING CONDITIONS.



PROJECT INFORMATION

PROPOSED RENOVATION FOR:
KWIK TRIP STORE #15111
4624 MONONA DRIVE • MADISON, WI 53716

PROFESSIONAL SEAL

SHEET DATES

SHEET ISSUE NOV. 03, 2020

REVISIONS

NO.	DESCRIPTION

JOB NUMBER

2028580

SHEET NUMBER

C101



CIVIL EXISTING SITE AND DEMOLITION PLAN

SPECIFICATION NOTE:
SEE SHEET C0.1 FOR PLAN SPECIFICATIONS AND REQUIREMENTS

EXISTING SITE DATA			
	AREA (AC)	AREA (SF)	RATIO
PROJECT SITE	0.67	29,261	
BUILDING FLOOR AREA	0.08	3,509	12.0%
PAVEMENT (ASP. & CONC.)	0.39	17,030	58.2%
TOTAL IMPERVIOUS	0.47	20,539	70.2%
LANDSCAPE/ OPEN SPACE	0.20	8,722	29.8%

PROPOSED SITE DATA			
	AREA (AC)	AREA (SF)	RATIO
PROJECT SITE	0.67	29,261	
BUILDING FLOOR AREA	0.12	5,098	17.4%
PAVEMENT (ASP. & CONC.)	0.39	16,858	57.6%
TOTAL IMPERVIOUS	0.50	21,956	75.0%
LANDSCAPE/ OPEN SPACE	0.17	7,305	25.0%

SITE INFORMATION:

LEGAL DESCRIPTION: PART OF THE SOUTHWEST 1/4 OF THE NORTHWEST 1/4 OF SECTION 16, TOWNSHIP 7 NORTH, RANGE 10 EAST, IN THE CITY OF MADISON, DANE COUNTY, WISCONSIN, MORE PARTICULARLY DESCRIBED AS FOLLOWS: COMMENCING AT THE WEST 1/4 CORNER OF SAID SECTION 16, THENCE N1°22'E, 25.0 FEET TO THE POINT OF BEGINNING OF THIS DESCRIPTION; THENCE CONTINUING N1°22'E, 169.5 FEET; THENCE N89°28'E, 218.0 FEET TO THE IRON STAKE; THENCE S1°22'W, 169.50 FEET TO AN IRON STAKE ON THE NORTH LINE OF DEAN AVENUE; THENCE ALONG SAID NORTH LINE S89°28'W, 218.0 FEET TO THE POINT OF BEGINNING.

EXCEPTING THEREFROM PART OF THE NORTHWEST 1/4 OF SECTION 16, TOWNSHIP 7 NORTH, RANGE 10 EAST, IN THE CITY OF MADISON, DANE COUNTY, WISCONSIN, MORE FULLY DESCRIBED AS FOLLOWS: BEGINNING AT A POINT 25 FEET NORTH OF AND 33 FEET EAST OF THE SOUTHWEST CORNER OF THE SOUTHWEST 1/4 OF THE NORTHWEST 1/4 OF SECTION 16, TOWNSHIP 7 NORTH, RANGE 10 EAST, IN THE CITY OF MADISON, DANE COUNTY, WISCONSIN, SAID POINT BEING THE SOUTHWEST CORNER OF THE PROPERTY CONVEYED TO THE AMERICAN OIL COMPANY AS DESCRIBED IN VOL. 731 OF DEEDS, PAGE 578; THENCE NORTH 15.2 FEET ALONG THE EAST LINE OF MONONA DRIVE TO A POINT OF CURVE; THENCE A CURVE TO THE LEFT CONVEX TO THE SOUTHWEST HAVING A RADIUS OF 15 FEET AND A LONG CHORD THAT BEARS S45°08'E, 21.4 FEET TO A POINT ON THE NORTH LINE OF DEAN AVENUE; THENCE WEST 15.2 FEET ALONG THE NORTH LINE OF DEAN AVENUE TO THE POINT OF BEGINNING OF THIS EXCEPTION.

ALSO EXCEPTING THEREFROM LAND CONVEYED TO THE CITY OF MADISON IN WARRANTY DEED, RECORDED OCTOBER 11, 2011 AS DOCUMENT NO. 47999671.

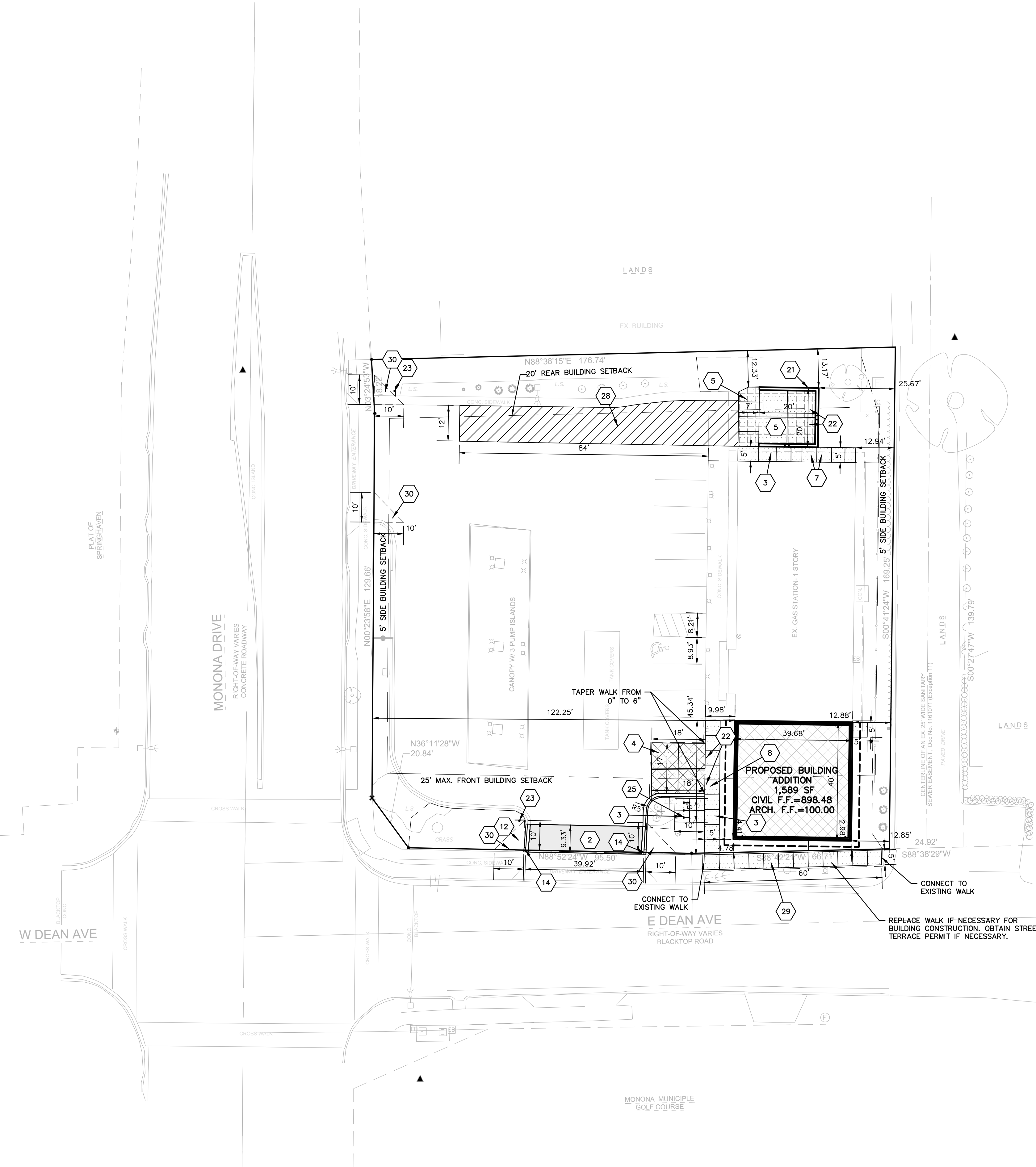
PROPERTY AREA: AREA = 29,261 S.F. (0.67 ACRES).
 EXISTING ZONING: NMX-NEIGHBORHOOD MIXED-USE
 PROPOSED ZONING: NMX-NEIGHBORHOOD MIXED-USE
 PROPOSED USE: GAS STATION WITH C-STORE
 AREA OF SITE DISTURBANCE: 6,231 (0.14 ACRES)
 SETBACKS: BUILDING: FRONT = 25' MAX
 SIDE = 5'
 REAR = 20'
 PAVEMENT: FRONT = N/A
 SIDE = N/A
 REAR = N/A
 PROPOSED BUILDING HEIGHT: 23'-2" (MAX. HEIGHT ALLOWED: 40'-0")
 PARKING REQUIRED: NO MIN. PARKING REQUIREMENTS
 PARKING PROVIDED: 12 EXISTING SPACES (1 H.C. ACCESSIBLE)
 6 EXISTING FUEL PUMP SPACES
 18 EXISTING SPACES (1 H.C. ACCESSIBLE)
 BIKE PARKING REQUIRED: 1 SPACE PER 1,000 S.F. FLOOR AREA (6 SPACES)
 BIKE PARKING PROVIDED: 6 SPACES
 HANDICAP STALLS REQUIRED: 1, HANDICAP STALLS PROVIDED: 1
 BUILDING OCCUPANCY CLASSIFICATION = M-MERCANTILE
 CLASS OF BUILDING CONSTRUCTION = 5B
 LANDSCAPE REQUIREMENTS: MAXIMUM LOT COVERAGE = 75%

PAVEMENT HATCH KEY:

[Hatch Pattern]	HEAVY DUTY ASPHALT
[Hatch Pattern]	SIDEWALK CONCRETE
[Hatch Pattern]	LIGHT DUTY CONCRETE
[Hatch Pattern]	HEAVY DUTY CONCRETE

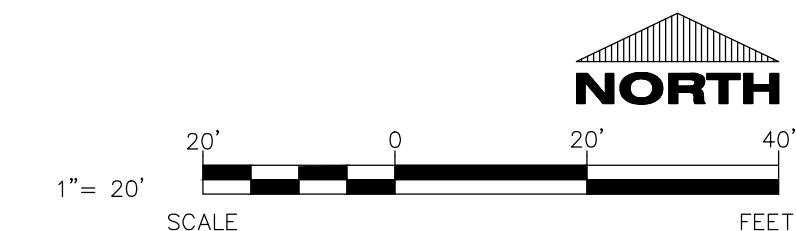
GENERAL NOTES:

- THE RIGHT-OF-WAY IS SOLE JURISDICTION OF THE CITY OF MADISON AND IS SUBJECT TO CHANGE AT ANY TIME PER THE RECOMMENDATION/PLAN OF TRAFFIC ENGINEERING AND CITY ENGINEERING DEPARTMENTS.
- CONTRACTOR IS RESPONSIBLE TO OBTAIN A STREET TERRACE PERMIT FOR THE PROPOSED SIDEWALK WORK. THE CONTRACTOR IS RESPONSIBLE TO REPLACE ALL SIDEWALK AND CURB AND GUTTER WHICH ABUTS THE PROPERTY WHICH IS DAMAGED BY CONSTRUCTION.



SITE PLAN KEYNOTES

- 2 HEAVY DUTY ASPHALT SECTION (TYP.)
- 3 CONCRETE SIDEWALK (TYP.)
- 4 LIGHT DUTY CONCRETE (TYP.)
- 5 HEAVY DUTY CONCRETE (TYP.)
- 7 CONCRETE STOOP (TYP.) SEE ARCH. PLANS FOR DETAILS.
- 8 6" RAISED WALK
- 12 18" CURB & GUTTER (TYP.)-MATCH EXISTING
- 14 CURB TAPER (TYP.)
- 21 DUMPSTER ENCLOSURE (SEE ARCH PLANS FOR DETAILS)
- 22 6" CONCRETE BOLLARDS (SEE DETAIL ON ARCH. PLAN)
- 23 STOP SIGN (MOUNTED AT A HEIGHT OF 7' ABOVE GROUND ELEVATION PER CITY REQUIREMENTS)
- 25 BIKE RACK (TYPE & COLOR BY OWNER)
- 28 LOADING ZONE STRIPING (TYP.)
- 29 PUBLIC CONCRETE SIDEWALK (PER CITY OF MADISON REQUIREMENTS)
- 30 10' VISION TRIANGLE (TYP.) 30" TO 10' CLEARANCE (NO OBSTRUCTIONS ARE ALLOWED BETWEEN THE HEIGHTS OF 30" & 10')



CIVIL SITE PLAN

EXCEL
 ARCHITECTS • ENGINEERS • SURVEYORS
Always a Better Plan
 100 Camelot Drive
 Fond Du Lac, WI 54935
 Phone: (920) 926-9800
 www.EXCELENGINEER.com

COLLABORATION

KWIK TRIP

KWIK STAR

PROJECT INFORMATION

PROPOSED RENOVATION FOR:
KWIK TRIP STORE #1511
 4624 MONONA DRIVE • MADISON, WI 53716

PROFESSIONAL SEAL

SHEET DATES

SHEET ISSUE NOV. 03, 2020

REVISIONS

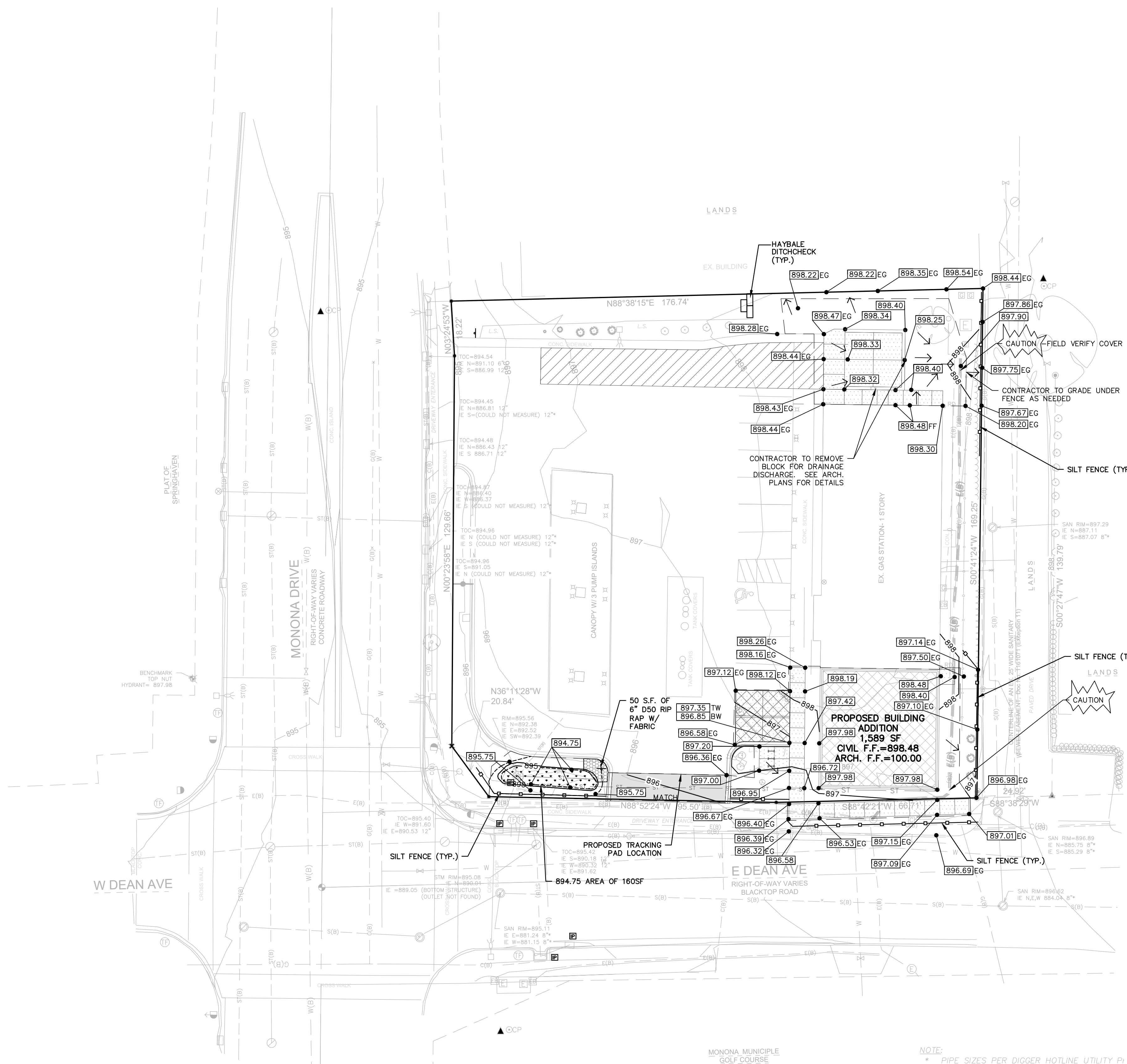
NO.	DESCRIPTION

JOB NUMBER

2028580

SHEET NUMBER

C102



SPECIFICATION NOTE:
SEE SHEET CO.1 FOR PLAN SPECIFICATIONS AND REQUIREMENTS

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.

INLET PROTECTION NOTE:

IP CONTRACTOR SHALL PROVIDE TEMPORARY INLET PROTECTION FOR ALL CURB INLETS & CATCH BASINS ON-SITE & OFF-SITE IMMEDIATELY DOWNSTREAM OF THE PROJECT SITE PER LOCAL CODE.

STABILIZED CONSTRUCTION ENTRANCE NOTE:

CONTRACTOR SHALL PROVIDE STABILIZED CONSTRUCTION ENTRANCE AT CONSTRUCTION ENTRANCE FOR PROPOSED IMPROVEMENTS AS REQUIRED PER CODE.

CONCRETE WASHOUT NOTE:

CONTRACTOR SHALL PROVIDE CONCRETE WASHOUT AS REQUIRED PER CODE. FINAL LOCATION TBD BY CONTRACTOR.

GENERAL PROJECT NOTES

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- A PROFESSIONAL ENGINEER CURRENTLY LICENSED IN THE STATE OF WISCONSIN SHALL CERTIFY THE INITIAL INSTALLATION AND IMPLEMENTATION OF THE MEASURES SHOWN ON THE APPROVED EROSION CONTROL PLAN. DOCUMENTATION ON THE CITY'S INSTALLATION CERTIFICATION FORM SHALL BE SUBMITTED TO THE ADMINISTRATIVE AUTHORITY WITHIN ONE WEEK OF THE INSTALLATION.
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EROSION CONTROL PERMIT CONDITIONS & REQUIREMENTS

Failure to abide by any of the following permit conditions will be considered a violation of the City's Erosion Control Ordinance (MGO Ch. 37) and can result in the issuance to the permittee and/or the property owner of Official Notices, citations, and/or referral to the City Attorney for resolution of non-compliance.

Erosion & Sediment Control Measures are to be installed prior to any land disturbance activities.

Within ten (10) days of the completion of the project or site stabilization the applicant shall submit an Erosion Control Notice of Termination (ECNOT). The ECNOT should be sent to the administrative authority that initially approved your permit.

The Erosion Control Permit applicant shall conduct a pre-construction meeting attended by a Professional Engineer responsible for initial implementation certification of the erosion control plan. The Professional Engineer shall document and submit minutes of this meeting to City Engineering.

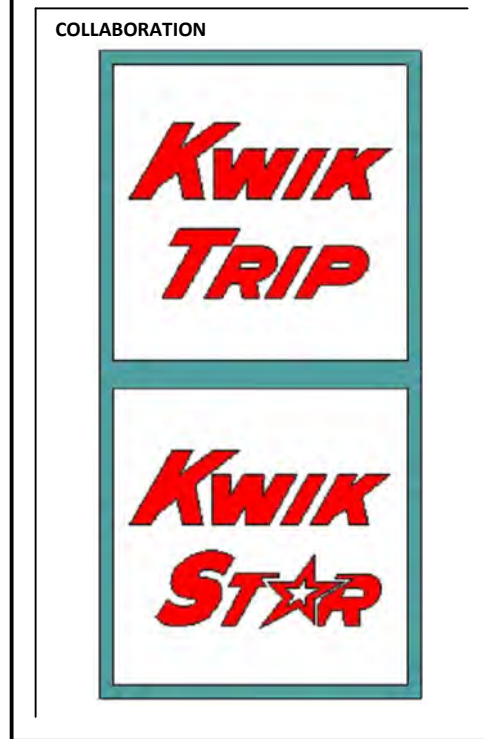
A Professional Engineer currently licensed in the State of Wisconsin shall certify the initial installation and implementation of the measures shown on the approved erosion control plan. Documentation on the City's Installation Certification form shall be submitted to the administrative authority within one (1) week of the installation. The certification form can be found on the City's webpage at <http://www.cityofmadison.com/engineering/Permits.cfm>.

As part of the Erosion Control Permit requirements this construction project requires erosion control inspections and reporting by the permittee (or by their authorized inspector). Inspections shall be conducted a minimum of once per week and also after every 24-hour rain event of 0.5" or more precipitation. The results of these inspections shall be entered on the City's permit and inspection tracking system.

Dust Control, if applicable shall be provided, per WDNR Conservation Practice Standard 1068.

Trench Dewatering, if applicable shall be provided, per WDNR Conservation Practice Standard 1061.

All BMP's installed for erosion control shall be in accordance with the applicable WDNR Conservation Practice Standards found at: http://dnr.wi.gov/topic/stormwater/standards/const_standards.html



PROJECT INFORMATION

PROPOSED RENOVATION FOR:
KWIK TRIP STORE #1511
4624 MONONA DRIVE • MADISON, WI 53716

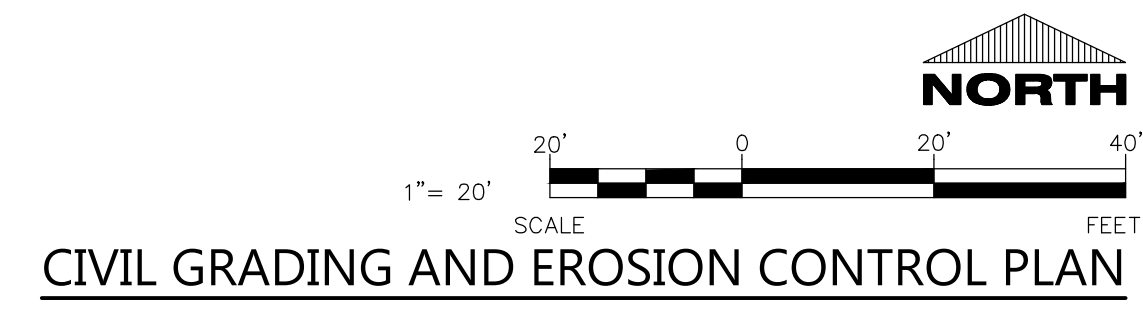
PROFESSIONAL SEAL

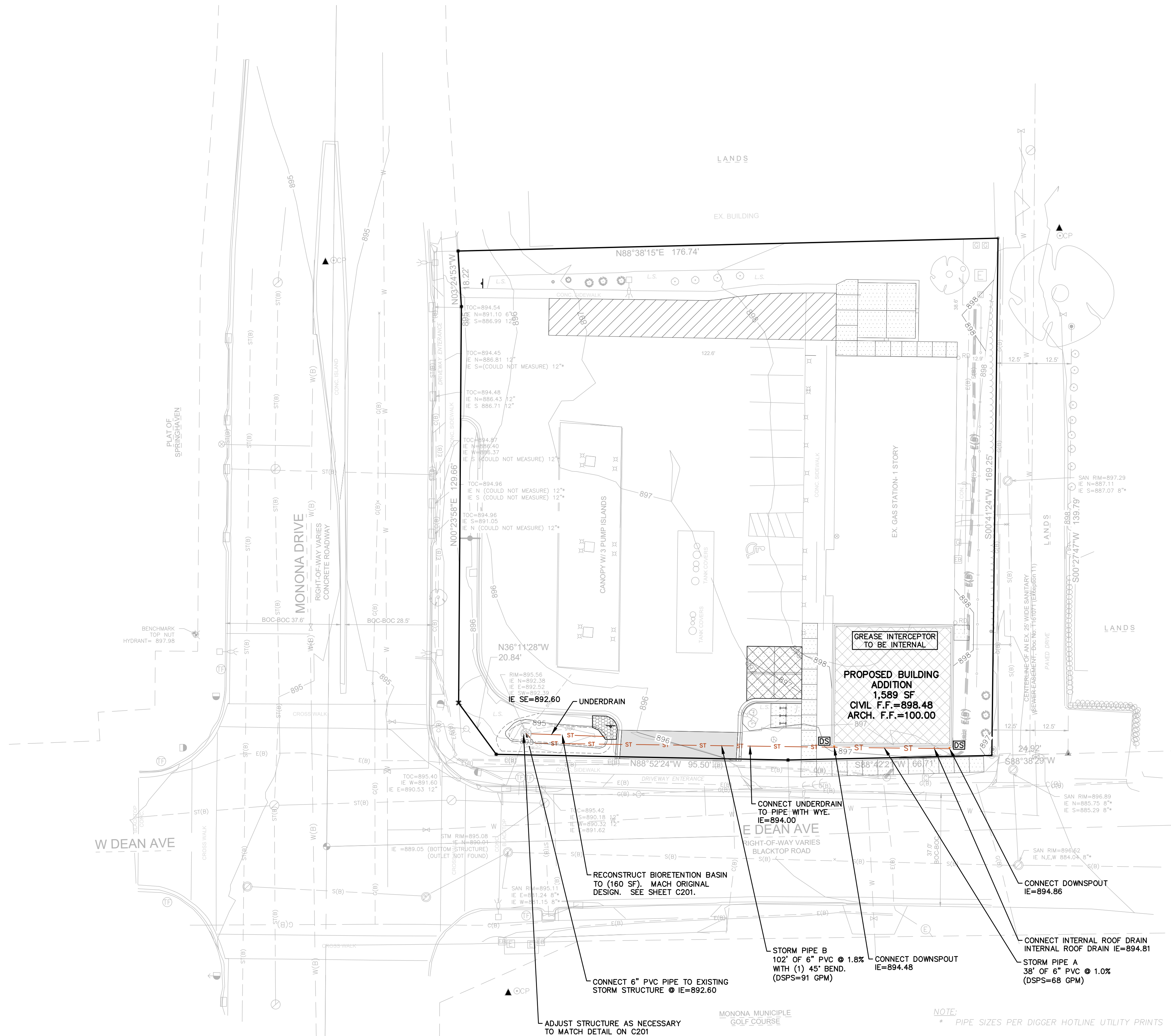
SHEET DATES

SHEET ISSUE	NOV. 03, 2020
REVISIONS	

JOB NUMBER
2028580

SHEET NUMBER
C103





SPECIFICATION NOTE:
SEE SHEET C0.1 FOR PLAN SPECIFICATIONS AND REQUIREMENTS

DOWNSPOUT NOTE:
[DS] = DENOTES LOCATION OF DOWNSPOUTS CONNECTING TO STORM LINES. SEE ARCH PLANS FOR FINAL LOCATIONS.

GENERAL UTILITY NOTES:

- SANITARY GREASE INTERCEPTOR TO BE INTERNAL.
- CONTRACTOR TO COORDINATE REMOVAL AND REPLACEMENT OF EXISTING IRRIGATION LINES PRIOR TO CONSTRUCTION.
- THE RIGHT-OF-WAY IS SOLE JURISDICTION OF THE CITY OF MADISON AND IS SUBJECT TO CHANGE AT ANY TIME PER THE RECOMMENDATION/PLAN OF TRAFFIC ENGINEERING AND CITY ENGINEERING DEPARTMENTS.

BIORETENTION ASBUILT NOTE
CONTRACTOR TO CONTACT EXCEL ENGINEERING TO COMPLETE AN AS-BUILT SURVEY FOLLOWING COMPLETION OF THE CONSTRUCTION OF THE BIORETENTION BASIN. PLEASE NOTE THAT THE HORIZONTAL TOLERANCE FOR BIORETENTION BASIN CONSTRUCTION IS 0.50' AND THE VERTICAL TOLERANCE FOR BIORETENTION BASIN AND OUTLET CONSTRUCTION IS 0.10'. ANY ADDITIONAL WORK FOR SURVEYING FOLLOWING REWORK SHALL BE AT THE CONTRACTOR'S EXPENSE. SEE GENERAL PROJECT NOTE #3 ON SHEET C100.

COLLABORATION

PROJECT INFORMATION

PROPOSED RENOVATION FOR:
KWIK TRIP STORE #15111
4624 MONONA DRIVE • MADISON, WI 53716

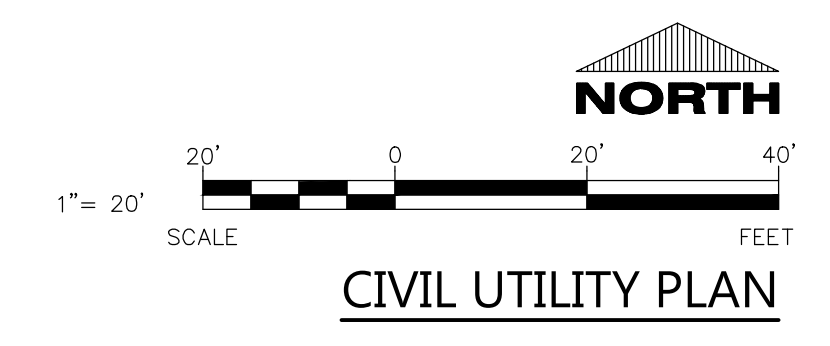
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SHEET DATES

SHEET ISSUE	NOV. 03, 2020
REVISIONS	

JOB NUMBER
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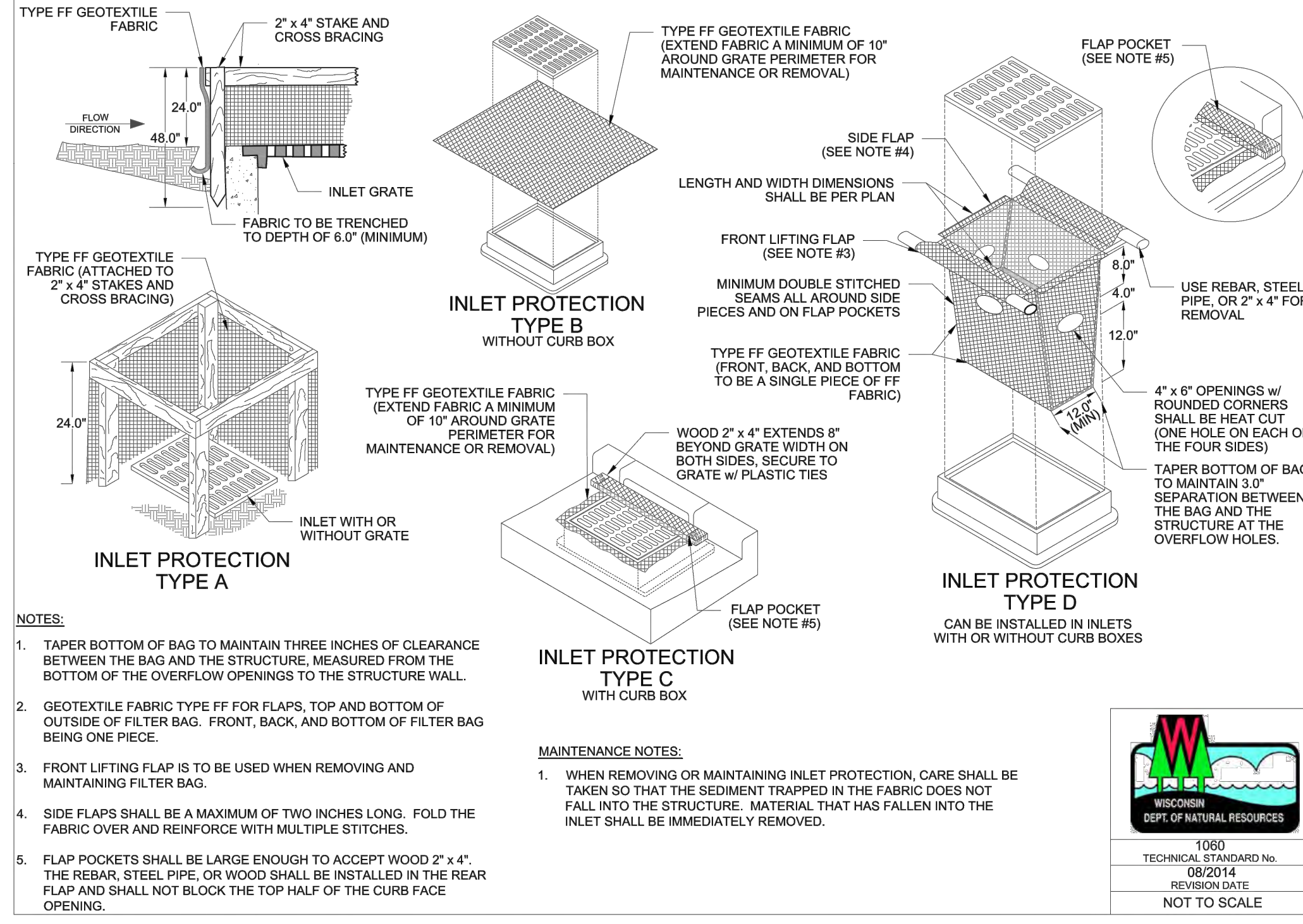
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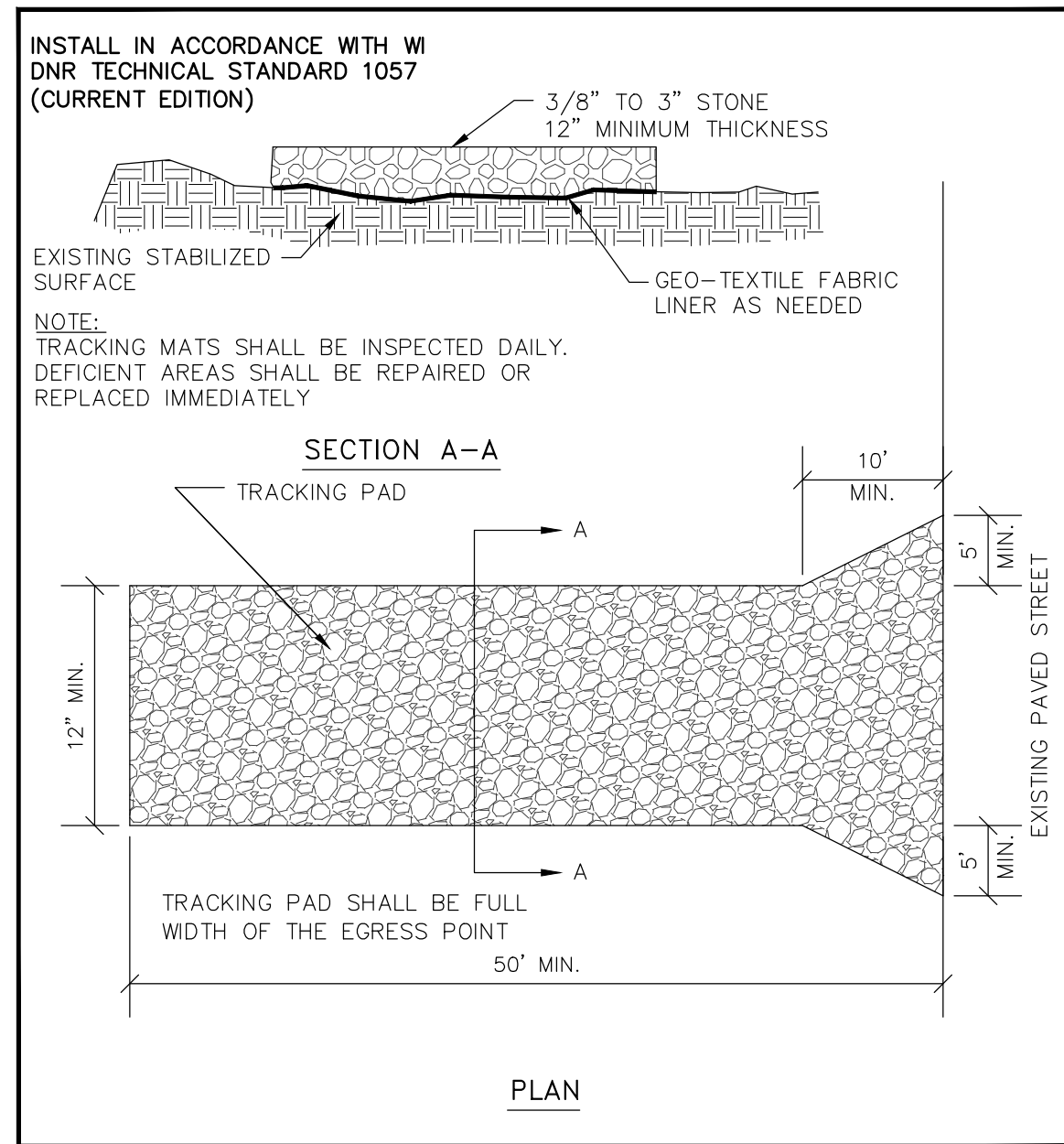
CONSTRUCTION SEQUENCE		CONSTRUCTION START: 1/1/2021	CONSTRUCTION END: 1/1/2022
PHASE	TYPE OF ACTION		
1. PRE-CONSTRUCTION ACTION	1. CONTRACTOR TO CALL DIGGERS HOTLINE AT A MINIMUM OF 3 DAYS PRIOR TO CONSTRUCTION. 2. PLACE ALL SILT FENCE AND EROSION CONTROL. 3. CONSTRUCT TRACKING STONE ENTRANCES AND ANY TEMPORARY CONSTRUCTION ROADWAYS AS NEEDED. 4. CONSTRUCT PERMANENT STORMWATER CONVEYANCE SYSTEMS. 5. CONSTRUCT TEMPORARY STORMWATER CONVEYANCE SYSTEMS AS NEEDED. 6. STABILIZE ALL TEMPORARY AND PERMANENT EROSION CONTROL AND STORMWATER CONVEYANCE SYSTEMS BEFORE SITE DEMOLITION.		
2. CONSTRUCTION ACTION	1. SITE DEMOLITION AS REQUIRED. 2. STRIP AND RELOCATE TOPSOIL TO THE DESIGNATED TOPSOIL STOCKPILE, FINAL LOCATION BY CONTRACTOR (VERIFY W/ OWNER). 3. BEGIN MASS EARTH WORK FOR THE BUILDING PAD AND PAVEMENT AREAS. 4. CONSTRUCT ANY REMAINING STORMWATER CONVEYANCE SYSTEMS, AND INSTALL ALL OTHER UTILITIES ON SITE. 5. DIG AND POUR ALL BUILDING FOOTINGS. 6. PLACE GRAVEL FOR ALL PROPOSED PAVEMENT AREAS. 7. TOPSOIL, SEED, AND MULCH ALL DISTURBED AREAS OUTSIDE THE BUILDING AND PROPOSED PAVEMENT AREAS. 8. CONSTRUCT BUILDING. 9. PAVE DRIVEWAYS AND PARKING AREAS. 10. TOPSOIL, SEED, AND MULCH ALL OTHER DISTURBED AREAS. PLACE EROSION MATTING AND RIP RAP.		
3. POST CONSTRUCTION ACTION	1. CONTRACTOR TO REMOVE TEMPORARY EROSION CONTROL MEASURES UPON SITE STABILIZATION.		

CONTRACTOR TO FOLLOW THE EROSION CONTROL SPECIFICATIONS FOR CONSTRUCTION EROSION CONTROL INSPECTION AND MAINTENANCE.

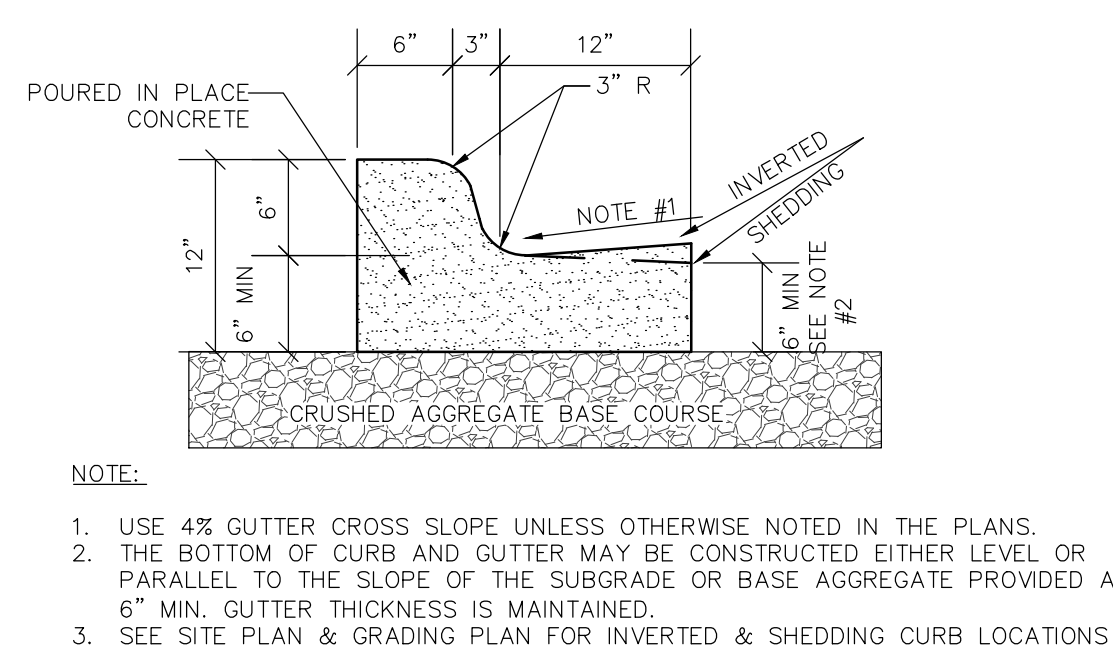
FIGURE 1. INLET PROTECTION TYPES A, B, C AND D



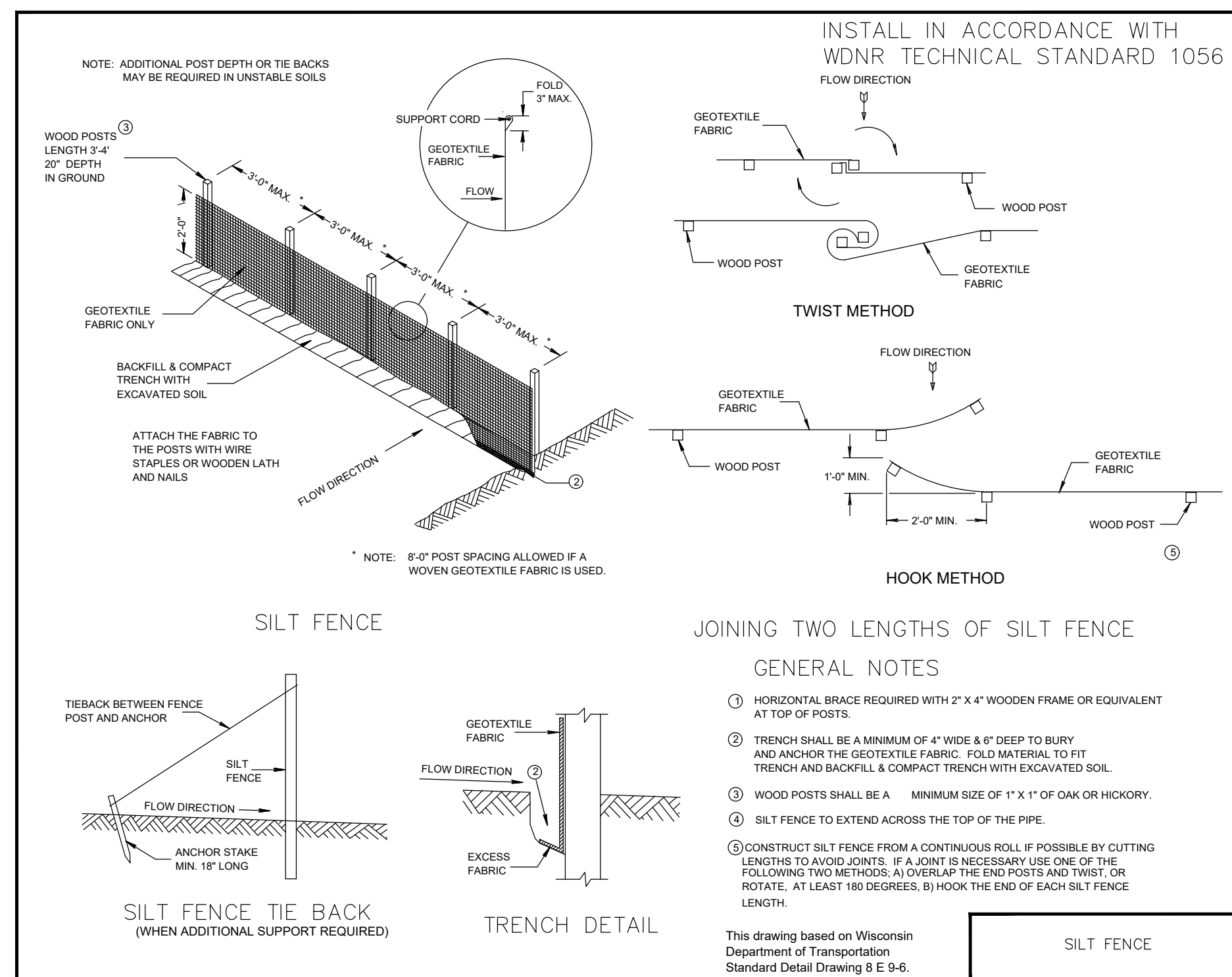
INLET PROTECTION DETAIL
NO SCALE



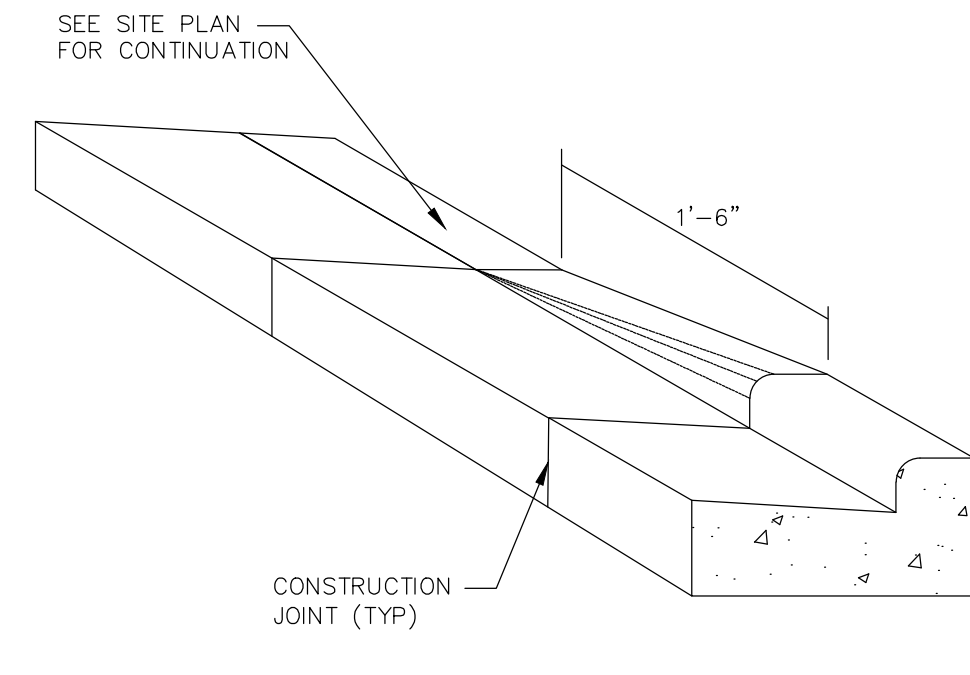
TRACKPAD DETAILS
NO SCALE



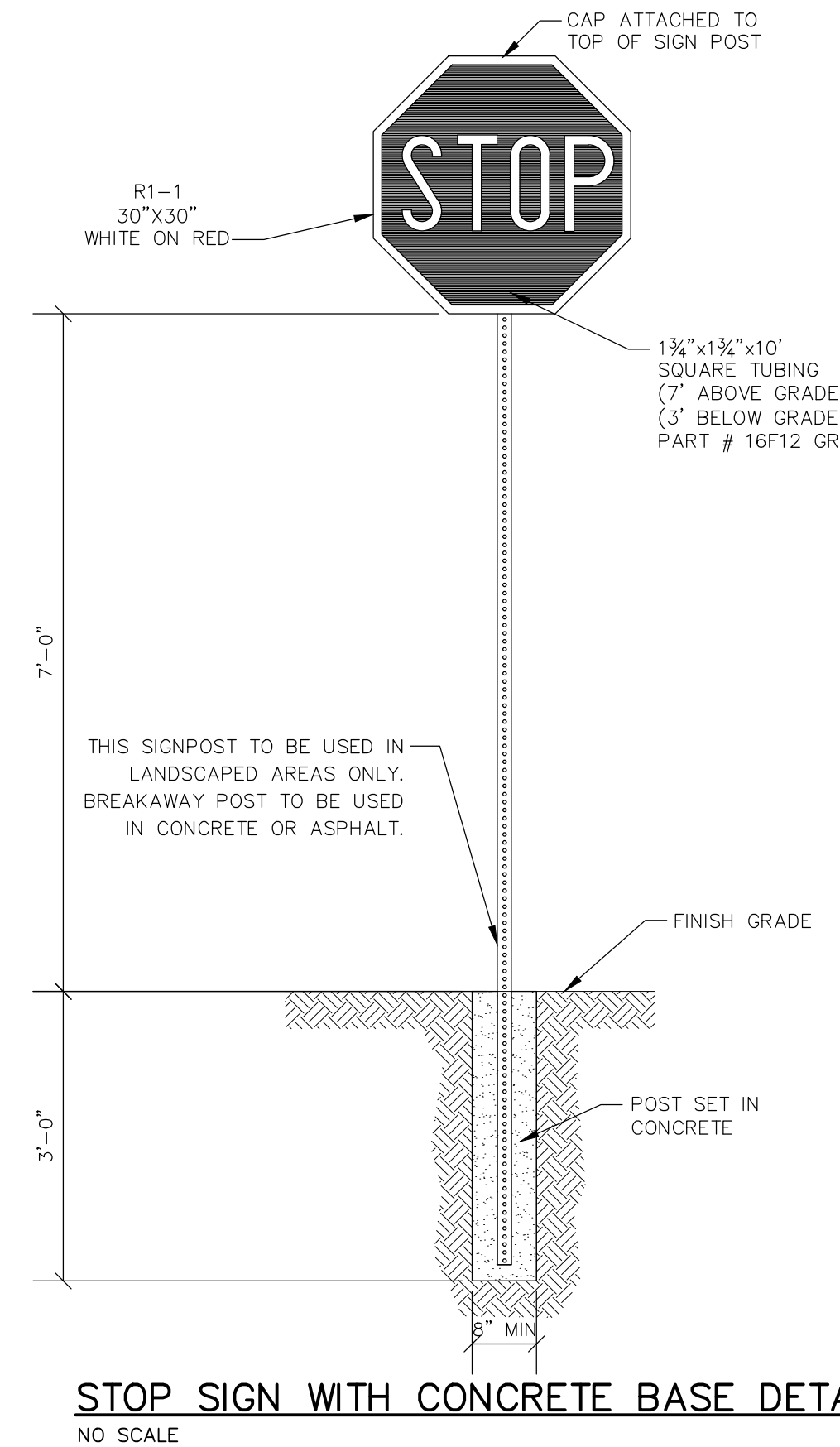
B6-12 CURB & GUTTER DETAIL
NO SCALE



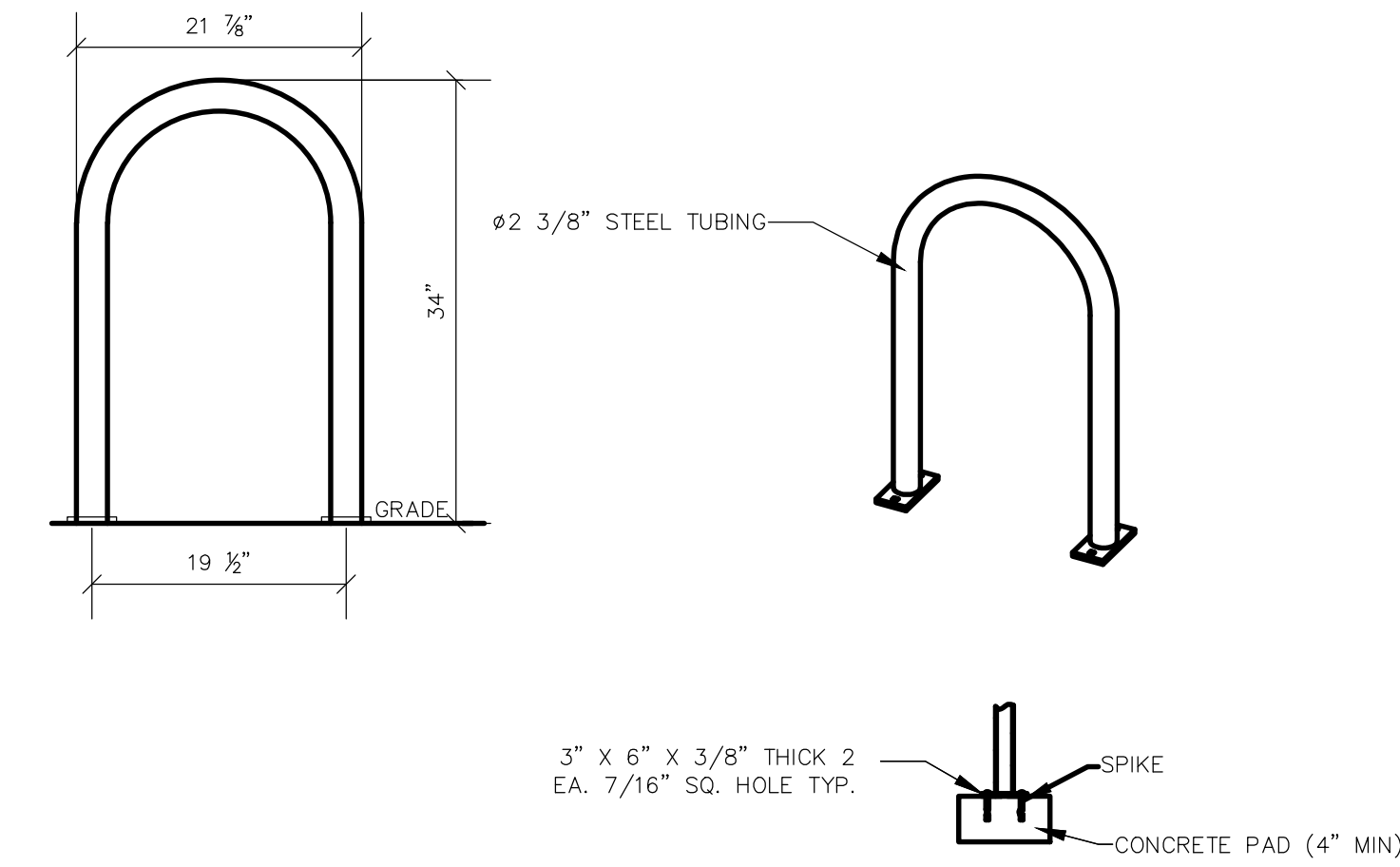
SILT FENCE - INSTALLATION DETAIL
NO SCALE



CURB TAPER DETAIL
NO SCALE

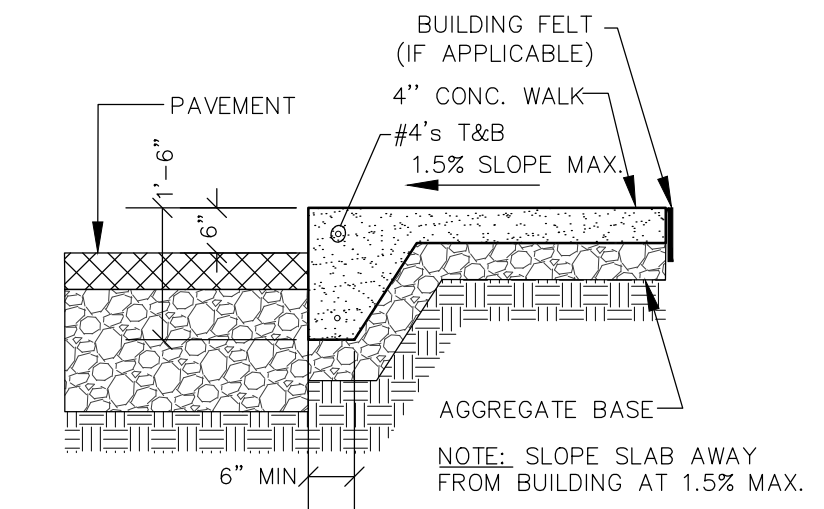


STOP SIGN WITH CONCRETE BASE DETAIL
NO SCALE

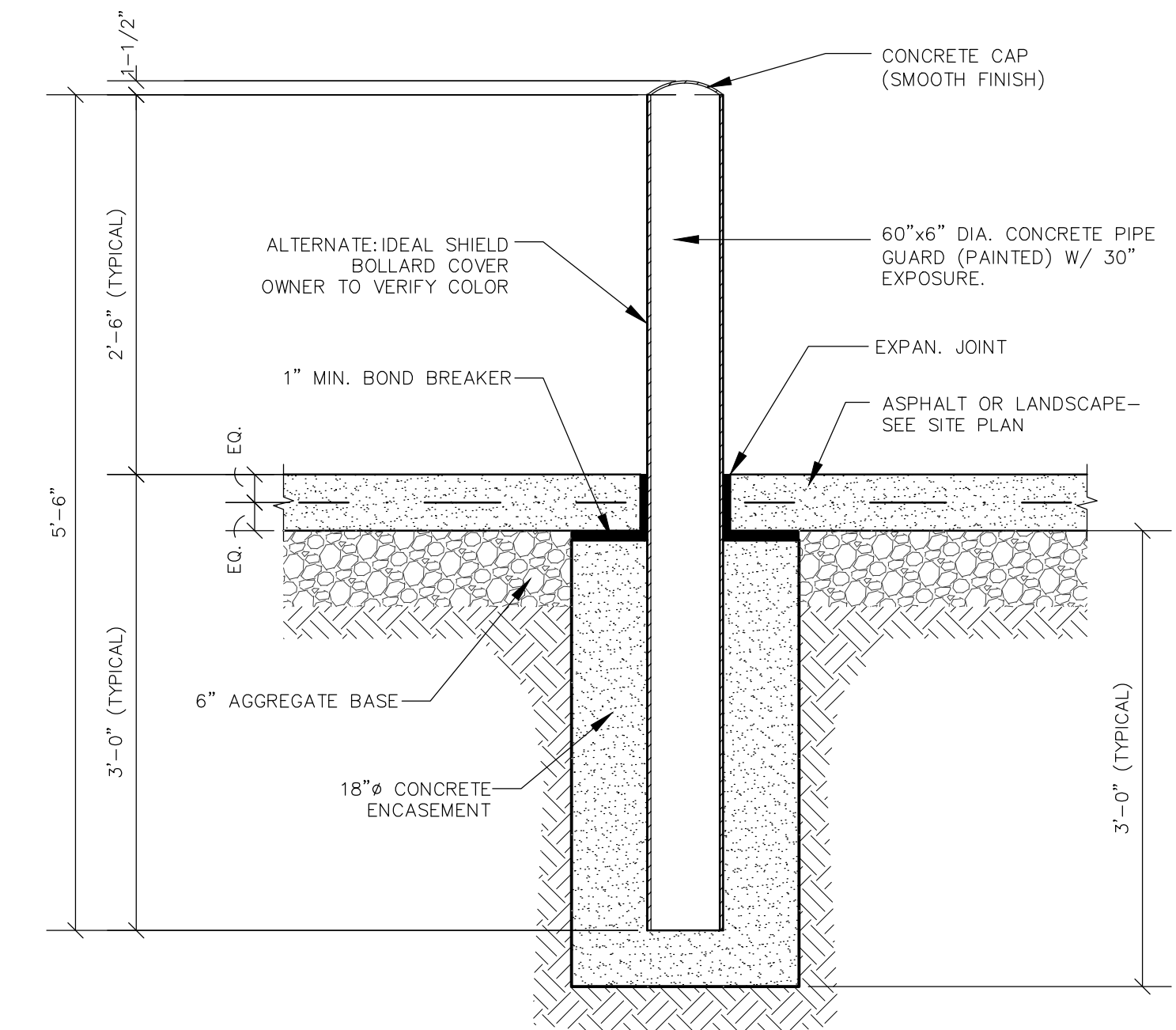


- NOTES:
- INSTALL BIKE RACKS ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
 - OWNER SHALL SELECT COLOR & FINISH.
 - SEE SITE PLAN FOR APPROX. LOCATION; COORDINATE W/ OWNER PRIOR TO CONSTRUCTION.
 - MANUFACTURED BY MADRAX; PRODUCT: U238-1G (SF); 'U' BIKE RACK 2 BIKE

SINGLE LOOP BIKE RACK
NO SCALE



RAISED WALK DETAIL
NO SCALE



6\"/>

CIVIL DETAILS

COLLABORATION

PROPOSED RENOVATION FOR:

KWIK TRIP STORE #1511

4624 MONONA DRIVE • MADISON, WI 53716

PROFESSIONAL SEAL

SHEET DATES

SHEET ISSUE NOV. 03, 2020

REVISIONS

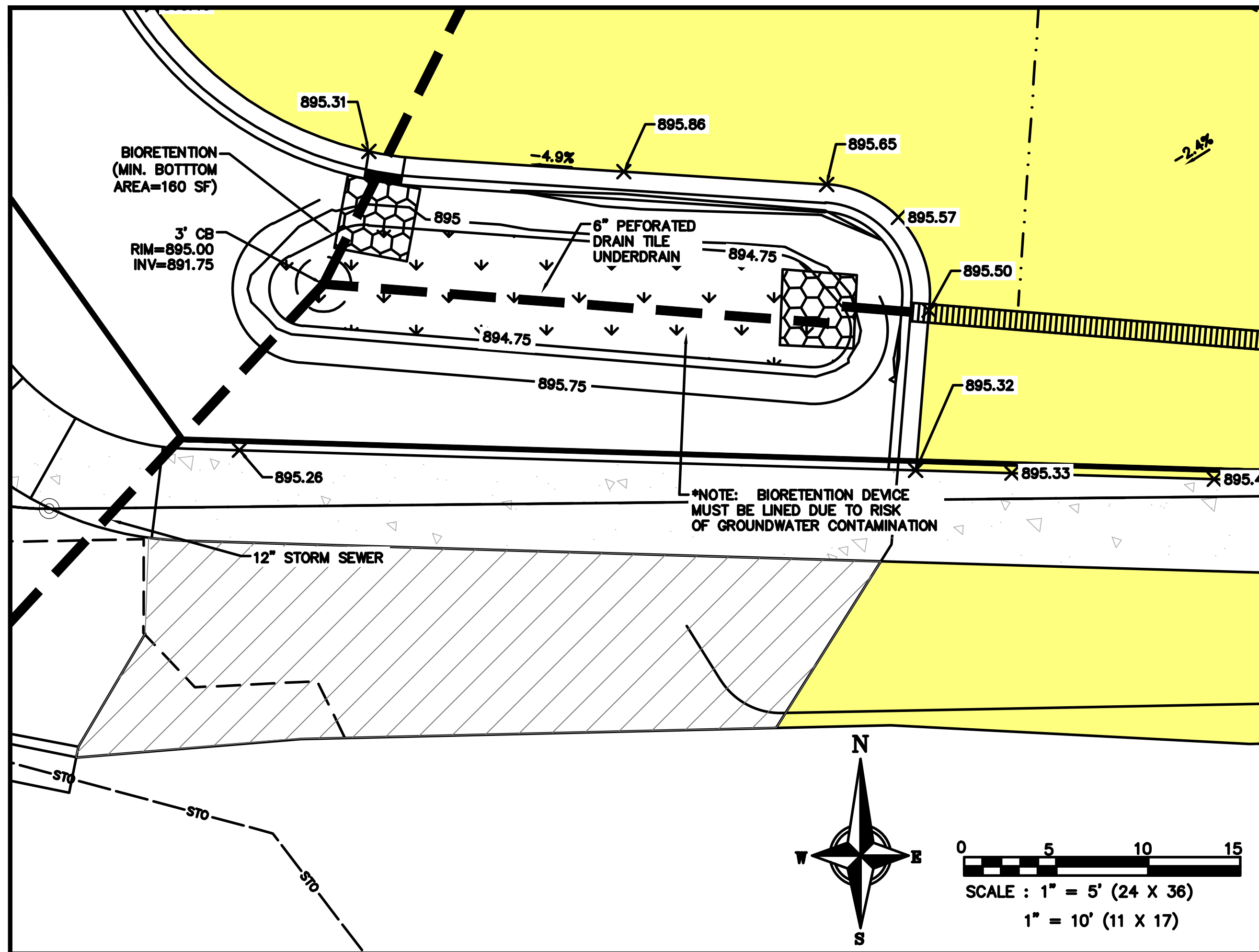
JOB NUMBER

2028580

SHEET NUMBER

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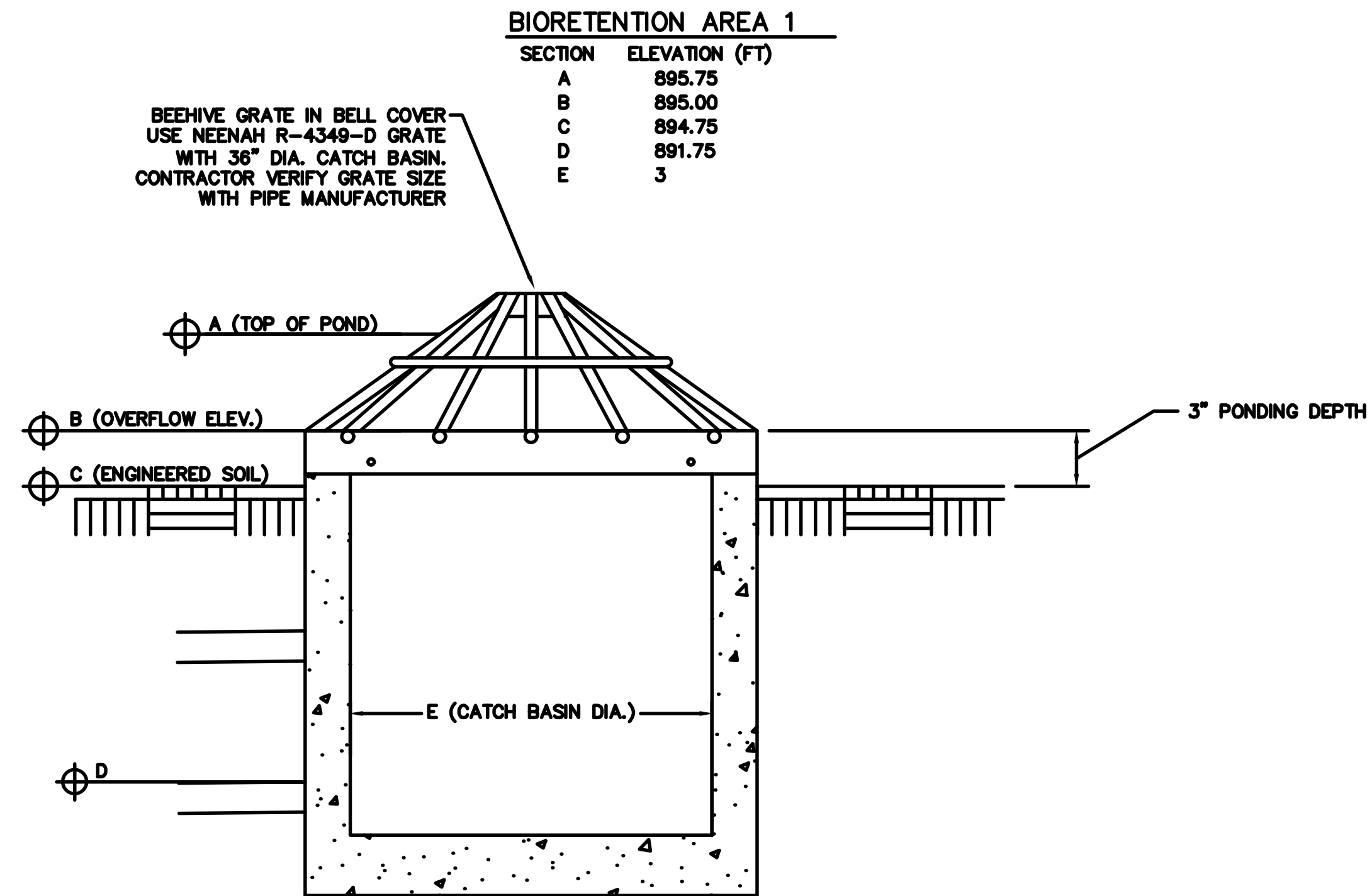
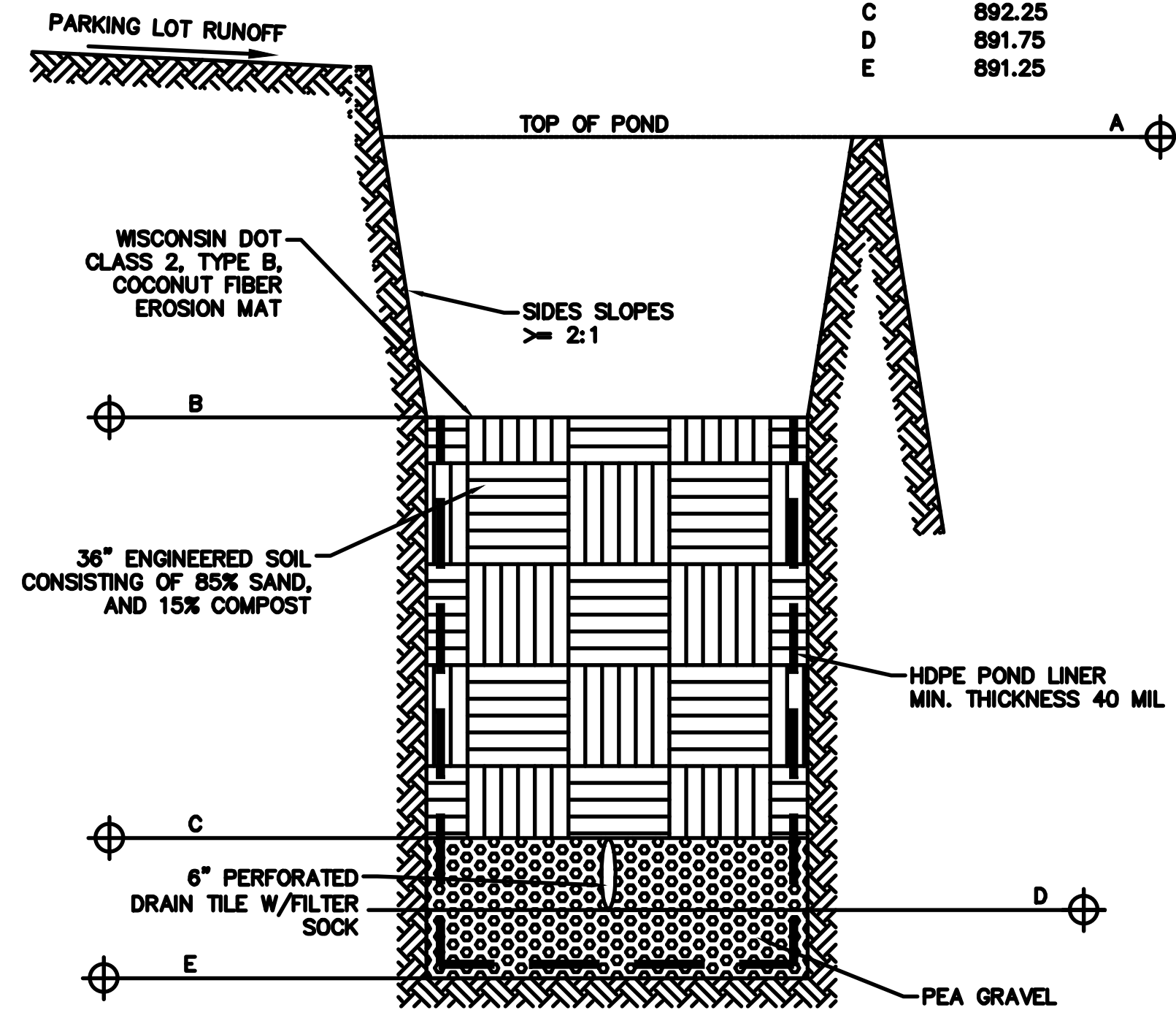
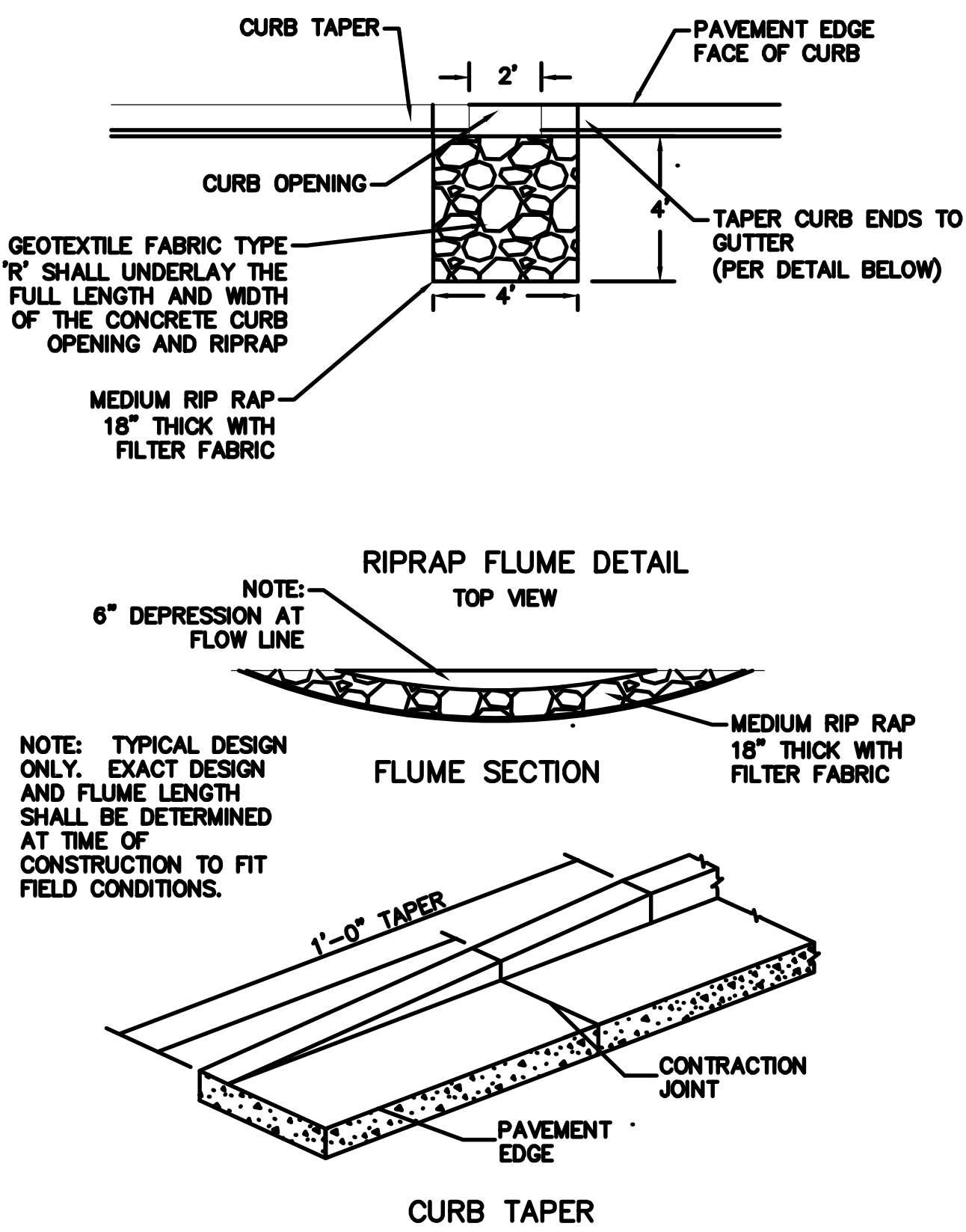
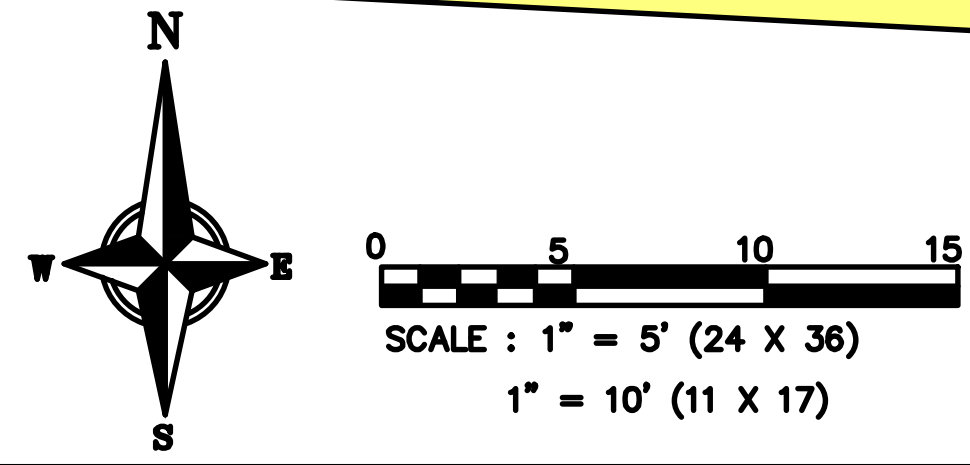
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BIORETENTION BASIN NOTES

- THE BIORETENTION/INFILTRATION BASIN SHALL BE CONSTRUCTED WHEN THE LOT IS FULLY DEVELOPED AND THE AREA DRAINING TO THE BASIN HAS BEEN STABILIZED FROM EROSION AND VEGETATION IS ESTABLISHED.
- SAND COMPONENT OF THE ENGINEERED SOIL SHALL MEET ONE OF THE FOLLOWING GRADATION REQUIREMENTS:
 - USDA COARSE SAND (.02 - .04 INCHES)
 - ASTM C33 (FINE AGGREGATE CONCRETE SAND)
 - WISCONSIN STANDARDS AND SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION, SECTION 501.2.5.3.4. (FINE AGGREGATE CONCRETE SAND) 2005 EDITION, OR AN EQUIVALENT AS APPROVED BY THE ADMINISTERING AUTHORITY.

THE SAND COMPONENT SHALL CONSIST OF MINERAL SAND THAT IS AT LEAST 97% SiO₂. SUBSTITUTIONS, SUCH AS CALCIUM CARBONATED SAND, DOLOMITIC SAND, MANUFACTURED SAND OR STONE DUST ARE NOT ALLOWED. THE SAND SHALL BE WASHED TO REMOVE CLAY AND SILT PARTICLES, AND WELL-DRAINED PRIOR TO MIXING.
- THE COMPOST COMPONENT OF THE ENGINEERED SOIL SHALL MEET THE REQUIREMENTS OF WISCONSIN DEPARTMENT OF NATURAL RESOURCES SPECIFICATION S100, COMPOST.
- THE ENGINEERED SOIL MIX SHALL BE FREE OF ROCKS, STUMPS, ROOTS, BRUSH OR OTHER MATERIAL OVER 1 INCH IN DIAMETER.
- THE ENGINEERED SOIL MIX SHALL HAVE A PH BETWEEN 5.5 AND 6.5.
- THE ENGINEERED SOIL MIX SHALL HAVE ADEQUATE NUTRIENT CONTENT TO MEET PLANT GROWTH REQUIREMENTS
- BIORETENTION DEVICE MUST BE LINED WITH AN HDPE 40 MIL LINER. DEVICE IS BEING USED FOR FILTRATION ONLY.
- BIORETENTION AREAS TO BE PLANTED WITH PLUGS. SEE LANDSCAPE PLAN FOR BIORETENTION PLANT LIST.
 - ROOTSTOCK AND PLUGS SHALL BE USED IN ESTABLISHING TREES, SHRUBS AND HERBACEOUS PERENNIALS. SEED SHALL NOT BE USED TO ESTABLISH VEGETATION. PLANTS SPACING SHOULD BE APPROXIMATELY 1 FOOT ON CENTER.
 - PLANTS SHALL BE NATIVE TO THE AREA AND CAPABLE OF WITHSTANDING THE ENVIRONMENTAL CONDITIONS OF THE DEVICE SUCH AS INSECT AND DISEASE INFESTATIONS, DROUGHT, WATER LEVEL FLUCTUATIONS AND REGIONAL TEMPERATURE VARIATIONS.
- WISCONSIN DOT CLASS 2, TYPE B, COCONUT FIBER EROSION MAT SHALL BE PLACED ON THE SURFACE OF THE BIORETENTION AND INFILTRATION AREAS.
- A PERSON TRAINED AND EXPERIENCED IN THE CONSTRUCTION, OPERATION AND MAINTENANCE OF INFILTRATION DEVICES SHALL BE RESPONSIBLE FOR CONSTRUCTION OF THE DEVICE. THE FOLLOWING APPLY:
 - CONSTRUCTION SHALL BE SUSPENDED DURING PERIODS OF RAINFALL OR SNOWMELT. CONSTRUCTION SHALL REMAIN SUSPENDED IF PONDED WATER IS PRESENT OR IF RESIDUAL SOIL MOISTURE CONTRIBUTES SIGNIFICANTLY TO THE POTENTIAL FOR SOIL SMEARING, CLUMPING OR OTHER FORMS OF COMPACTION.
 - COMPACTION AVOIDANCE - COMPACTION AND SMEARING OF THE SOILS BENEATH THE FLOOR AND SIDE SLOPES OF THE INFILTRATION AREA, AND COMPACTION OF THE SOILS USED FOR BACKFILL IN THE SOIL PLANTING BED, SHALL BE MINIMIZED. DURING SITE DEVELOPMENT, THE AREA DEDICATED TO THE INFILTRATION DEVICE SHALL BE CORDONED OFF TO PREVENT ACCESS BY HEAVY EQUIPMENT. ACCEPTABLE EQUIPMENT FOR CONSTRUCTING THE INFILTRATION DEVICE INCLUDES EXCAVATION HOES, LIGHT EQUIPMENT WITH TURF TYPE TIRES, MARSH EQUIPMENT OR WIDE-TRACK LOADERS.
 - IF COMPACTION OCCURS AT THE BASE OF THE INFILTRATION DEVICE, THE SOIL SHALL BE REFRACURED TO A DEPTH OF AT LEAST 12 INCHES. IF SMEARING OCCURS, THE SMEARED AREAS OF THE INTERFACE SHALL BE CORRECTED BY RAKING OR ROTO-TILLING.
 - PLACEMENT AND SETTLING OF ENGINEERED SOIL - THE FOLLOWING APPLY:
 - PRIOR TO PLACEMENT IN THE INFILTRATION DEVICE, THE ENGINEERED SOIL SHALL BE PREMIXED AND THE MOISTURE CONTENT SHALL BE LOW ENOUGH TO PREVENT CLUMPING AND COMPACTION DURING PLACEMENT.
 - THE ENGINEERED SOIL SHALL BE PLACED IN MULTIPLE LIFTS, EACH APPROXIMATELY 9 INCHES IN DEPTH.
 - STEPS MAY BE TAKEN TO INDUCE MILD SETTLING OF THE ENGINEERED SOIL BED AS NEEDED TO PREPARE A STABLE PLANTING MEDIUM AND TO STABILIZE THE PONDING DEPTH. VIBRATING PLATE-STYLE COMPACTORS SHALL NOT BE USED TO INDUCE SETTLING.



3 CURB OPENING W/RIP RAP
C401 NTS

1 BIORETENTION SECTION
C401 NTS

2 BIORETENTION OUTLET
C401 NTS

STOP-N-GO - MONONA DRIVE
BIORETENTION DETAILS

4624 MONONA DRIVE
MADISON, WISCONSIN

C202

PROFESSIONAL ENGINEERING LLC

818 N Meadowbrook Ln
Waunakee, WI 53597
phone (608) 849-9378
fax (608) 237-2129

DATE: 06-16-11

ISSUANCE/REVISION: SITE PLAN APPROVAL

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Kwik TRIP

Kwik STAR

PROPOSED RENOVATION FOR:

KWIK TRIP STORE #1511

4624 MONONA DRIVE • MADISON, WI 53716

PROFESSIONAL SEAL

SHEET DATES

SHEET ISSUE NOV. 03, 2020

REVISIONS

JOB NUMBER

2028580

SHEET NUMBER

C201

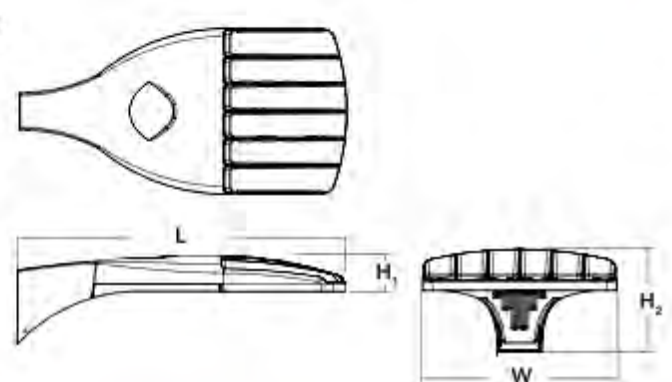


D-Series Size 0 LED Area Luminaire



Specifications

EPA: 0.95 ft²
 Length: 26"
 Width: 13"
 Height: 3"
 Weight: 16 lbs



Introduction

The modern styling of the D-Series is striking yet unobtrusive - making a bold, progressive statement even as it blends seamlessly with its environment. The D-Series distills the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire. The outstanding photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. It is ideal for replacing up to 400W metal halide with typical energy savings of 70% and expected service life of over 100,000 hours.

Ordering Information

EXAMPLE: DSX0 LED P6 40K T3M MVOLT SPA NLAI2R2 PIRHN DDBXD

Series	LEDs	Color temperature	Beam/diameter	Voltage	Mounting	Shipped included
DSX0 LED	P1 P4 P7	40K 6500K	T3M T2M T3S	MVOLT*	SPA	Square pole mounting Round pole mounting
	P2 P5 P6	50K 5000K	T2S T3M T3W	208*	RPA	Round pole mounting
	P3 P8		T3S	240*	WBA	Wall bracket
	P10 P11		T3M	277*	SPUSA	Square pole universal mounting adaptor
	P12 P13		T3M	347*	SPUSA	Square pole universal mounting adaptor
	P14 P15		T3M	480*	SPUSA	Square pole universal mounting adaptor

Customer option	Code	Description	Shipped installed	Code	Description
Shipped installed	PIR	High flow motion sensor, 5-15' mounting height, ambient sensor, model # 36-10	HS	HS	Household shield
NELM2		Lighting level sensor, 2' oval	SI	SI	Single size 1/2" (1/2" x 1/2")
PIRHN		High flow motion sensor, 5-15' mounting height, ambient sensor, model # 36-10	DF	DF	Double size 1/2" (1/2" x 1/2")
PER		High flow motion sensor, 5-15' mounting height, ambient sensor, model # 36-10	L30	L30	LED shield option
PER5		High flow motion sensor, 5-15' mounting height, ambient sensor, model # 36-10	RW	RW	Right mount option
PER7		High flow motion sensor, 5-15' mounting height, ambient sensor, model # 36-10	DL	DL	Downlight option
DMG		High flow motion sensor, 5-15' mounting height, ambient sensor, model # 36-10	HA	HA	30°C ambient sensor
			SH	SH	Shipped separately
			ES	ES	External shield
			ES2	ES2	External shield

LITHONIA LIGHTING
 One Lithonia Way • Clayton, Georgia 30512 • Phone: 1-800-935-5634 (7376) •
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 DDBXD Rev. 07/2020 Page 1 of 8



Schedule

Symbol	Label	QTY	Manufacturer	Catalog Number	Description	Number Lamps	Lumens per Lamp	Lumen Multiple	LLF	Wattage	Efficiency
[Symbol]	L14H	1	Lithonia Lighting	DSX0 LED P3 50K T4M MVOLT HS	DSX0 LED P3 50K T4M MVOLT with houside shield	1	6498	1	0.9	71	100%
[Symbol]	EXISTNG	12	LSI INDUSTRIES, INC.	CRUS-SC-LED-VLW-50		1	9054	1	0.9	60.9	100%
[Symbol]	L12H	1	Lithonia Lighting	DSX0 LED P3 50K T2M MVOLT HS	DSX0 LED P3 50K T2M MVOLT with houside shield	1	6994	1	0.9	71	100%
[Symbol]	F20	35	Gotham Architectural Lighting	EV08 35/20 AR LD MD 277 E21 TRW	GOTHAM EVO 8" DOWNLIGHT, 3500K, 2000L, 8" SEMI SPECULAR DIFFUSE TRIM W/ WHITE FLANGE, MEDIUM DISTRIBUTION, 277 VOLT, ECODRIVE 361/8, 950MA SETTING	1	3019	1	0.9	41.8	100%

Statistics

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Calc Zone #1	+	3.1 fc	31.7 fc	0.0 fc	N/A	N/A
GAS CANOPY	X	16.0 fc	31.7 fc	2.9 fc	10.9:1	5.5:1
PARKING LOT	X	1.9 fc	4.6 fc	0.4 fc	11.5:1	4.8:1

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COLLABORATION

PROJECT INFORMATION

PROPOSED RENOVATION FOR:
KWIK TRIP STORE #1511
 4624 MONONA DRIVE • MADISON, WI 53716

PROFESSIONAL SEAL

SHEET DATES

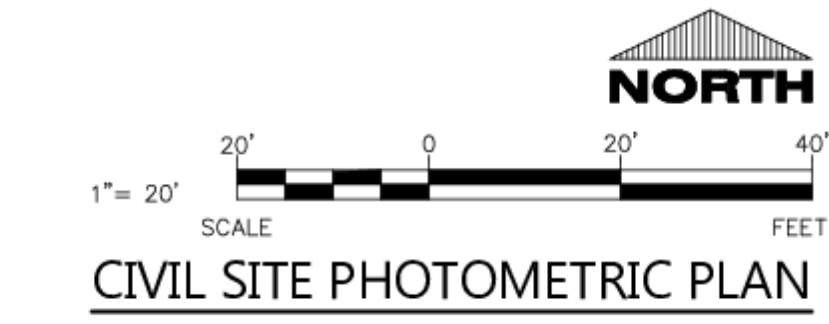
SHEET ISSUE NOV. 03, 2020

REVISIONS

NO.	DESCRIPTION

JOB NUMBER
 2028580

SHEET NUMBER





- SHADE TREES (DECIDUOUS)**
 PPH Prairie Pride Hackberry
 SWO Swamp White Oak
 AE Accolade Elm
- EVERGREEN SHRUBS**
 KCPJ Kallay Compact Pfitzer Juniper
- DECIDUOUS SHRUBS**
 AH Annabelle Hydrangea
 GLS Gro Low Fragrant Sumac
 PPSR Pink Pavement Series Rose
 GMS Goldmound Spirea
 NFS Neon Flash Spirea
 MKL Miss Kim Dwarf Lilac
- ORNAMENTAL GRASSES**
 DMG Dwarf Maidengrass
- HERBACEOUS PERENNIALS**
 HRD Happy Returns Daylily
- PLANT ABBREVIATIONS**

Project: Kwik Trip #1511
 Madison, WI 53716

Zoning Classification: NMX- Neighborhood Mixed-Use
 Lot Size: 29,261 SF
 0.67 Acres

Total Developed Area - Landscape Calculations & Distribution
 Five (5) points for every 300 SF of developed lot

Plant Type or Landscape Element	Min. Size (DBH)	Points (each)	Landscape Quantity	Credits Points	New Landscape Quantity	Points
Overstory Tree	2.5"	35	0	0	5	175
Tall Evergreen Tree	5-6" Tall	35	0	0	0	0
Ornamental Tree	1.5"	15	1	15	0	0
Upright Evergreen Shrub	3-4" Tall	10	30	300	0	0
Deciduous Shrub	#3 gal	3	4	12	48	144
Evergreen Shrub	#3 gal	4	0	0	11	44
Orn Grass/Perennial	#1 gal	2	5	10	16	32
Decorative Fence/Wall	n/a	4 per 10 LF	0	0	0	0
Ex. Specimen Tree	Min. 2.5"	14/in.	0	0	0	0
Public Seating	n/a	5/seat	0	0	0	0
Sub Totals:			337			395

Total Number of Points Provided: 732
 Specimen Tree Note: total no more than 30% of points & max points per tree is 200.
 Public Seating Note: no more than 5% of point can be used.

Development Frontage Landscaping
 One (1) overstory tree & 5 shrubs per 30 LF of street frontage
 Two (2) ornamental or evergreen trees may be substituted for 1 overstory tree

Monona Dr. Frontage: 147.88 LF
 Required Number of Trees: 4.9 Trees
 Required Number of Shrubs: 24.6 Shrubs

Number of Trees Shown: 3 Trees
 Number of Shrubs Shown: 25 Shrubs

Dean Ave. Frontage: 162.20 LF
 Required Number of Trees: 5.4 Trees
 Required Number of Shrubs: 27.0 Shrubs

Number of Trees Shown: 2 Trees
 Number of Shrubs Shown: 27 Shrubs

Interior Parking Lot Landscaping
 Requirements are for parking lots of 20 or more spaces
 5% of paved lot area to be devoted to interior landscape area
 One (1) overstory tree for every 160 SF or required landscap area
 Two (2) ornamental trees may be substituted for 1 overstory tree

Number of Parking Spaces: 12 Spaces
 Required Interior Landscape Area: Not Required
 Required Number of Overstory Trees: Not Required

Foundation Plantings
 Foundation plantings shall primarily consist of shrubs, grasses, and perennials

Screening Requirements
 Screening required all along lot boundary lines adjacent to residential lots
 Screening required for mech. equipment, refuse, outdoor storage, & loading areas

Landscape Diversity
 5 or less canopy trees on site: no tree diversity required
 5 to 50 canopy trees on site: max. 33% of each species
 50 or more canopy trees on site: max. 20% of each species

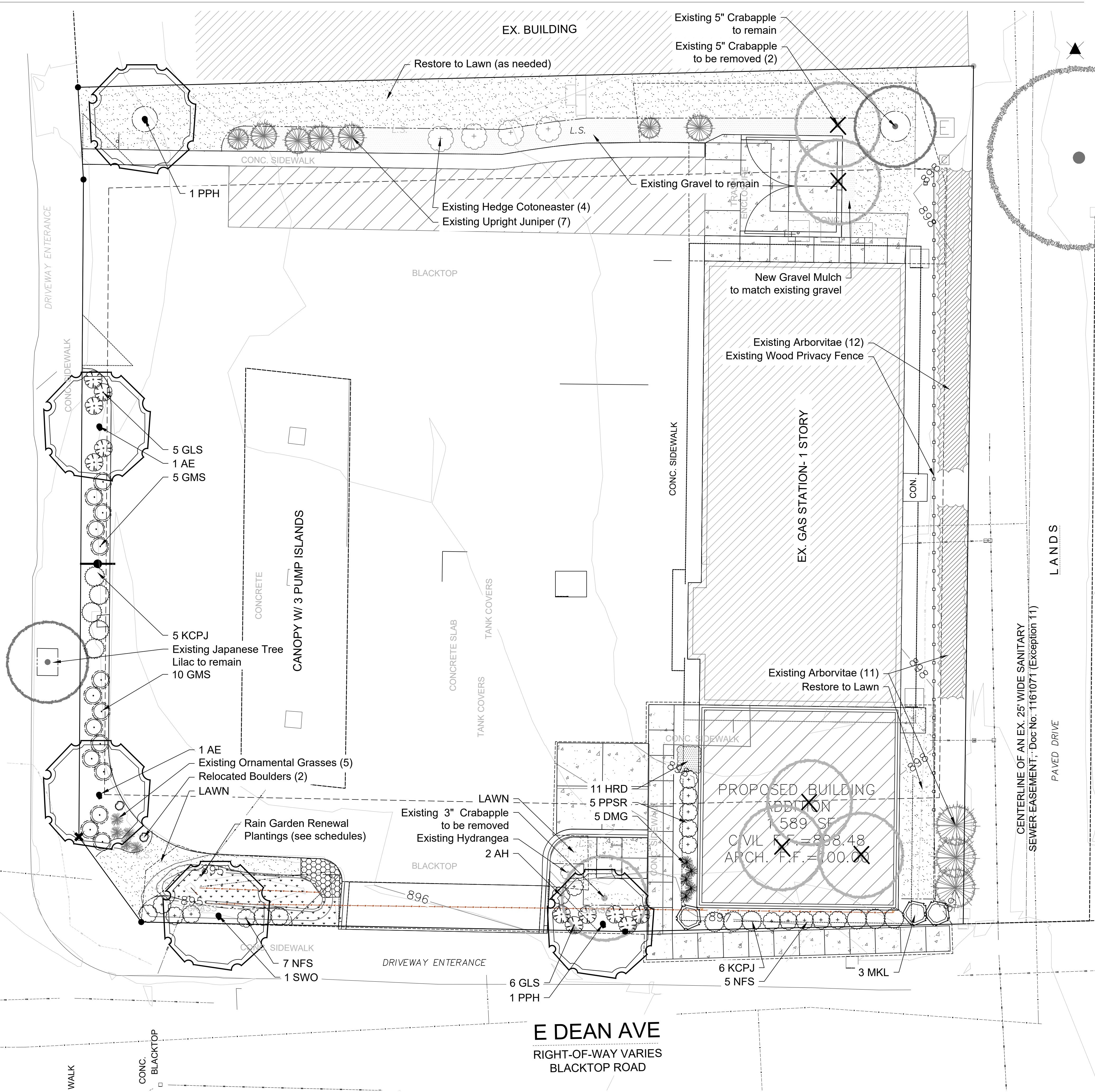
CODE REQUIREMENTS

MONONA DRIVE
 RIGHT-OF-WAY VARIES
 CONCRETE ROADWAY

E DEAN AVE
 RIGHT-OF-WAY VARIES
 BLACKTOP ROAD

OVERALL LANDSCAPE PLAN

Scale: 1" = 10'0"



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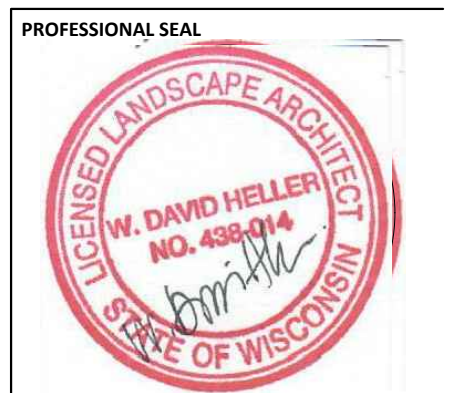
COLLABORATION

Kwik TRIP

Kwik STAR

PROJECT INFORMATION

PROPOSED RENOVATION FOR:
KWIK TRIP STORE #1511
 4624 MONONA DRIVE • MADISON, WI 53716



OVERALL LANDSCAPE PLAN

JOB NUMBER
 2028580

SHEET NUMBER
L 1.0



- Contractor responsible for contacting Diggers Hotline (811 or 800-242-8511) to have site marked prior to excavation or planting.
- Contractor to verify all plant quantities shown on Plant & Material List and landscape planting symbols and report any discrepancies to Landscape Architect or General Contractor.
- All plantings shall comply with standards as described in American Standard of Nursery Stock - Z60.1 ANSI (latest version). Landscape Architect reserves the right to inspect, and potentially reject any plants that are inferior, compromised, undersized, diseased, improperly transported, installed incorrectly or damaged. No sub-standard "B Grade" or "Park Grade" plant material shall be accepted. Plant material shall originate from nursery(ies) with a similar climate as the planting site.
- Any potential plant substitutions must be approved by Landscape Architect or Owner. All plants must be installed as per sizes indicated on Plant & Material Schedule, unless approved by Landscape Architect. Any changes to sizes shown on plan must be submitted in writing to the Landscape Architect prior to installation.
- Topsoil in Parking Lot Islands (if applicable): All parking lot islands to be backfilled with topsoil to a minimum depth of 18" to insure long-term plant health. Topsoil should be placed within 3" of finish grade by General Contractor / Excavation Contractor during rough grading operations/activity. The landscape contractor shall be responsible for the fine grading of all disturbed areas, planting bed areas, and lawn areas. Crown all parking lot islands a minimum of 6" to provide proper drainage, unless otherwise specified.
- Tree Planting: Plant all trees slightly higher than finished grade at the root flare. Remove excess soil from the top of the root ball, if needed. Remove and discard non-biodegradable ball wrapping and support wire. Removed biodegradable burlap and wire cage (if present) from the top 1/3 of the rootball and carefully bend remaining wire down to the bottom of the hole. Once the tree has been placed into the hole and will no longer be moved, score the remaining 2/3 of the burlap and remove the twine. Provide one slow release fertilizer packets (per 1" caliper) for each tree planting.
- Tree Planting: Backfill tree planting holes 80% existing soils removed from excavation and 20% Soil Amendments (see Note 11). Avoid air pockets and do not tamp soil down. Discard any gravel, rocks, heavy clay, or concrete pieces. When hole is 3/4 full, trees shall be watered thoroughly, and water left to soak in before proceeding to fill the remainder of the hole. Water again to full soak in the new planting. Each tree shall receive a 3" deep, 4-5" diameter (see planting details or planting plan) shredded hardwood bark mulch ring / saucer around all trees. Do not build up any mulch onto the trunk of any tree. Trees that are installed incorrectly will be replaced at the time and expense of the Landscape Contractor.
- Shrub Planting: All shrubs to be planted in groupings as indicated on the Landscape Plan. Install with the planting of shrubs a 50% mix of Soil Amendments with blended, pulverized topsoil. Install topsoil into all plant beds as needed to achieve proper grade and displace undesirable soils (see planting detail). Remove all excessive gravel, clay and stones from plant beds prior to planting. When hole(s) are 3/4 full, shrubs shall be watered thoroughly, and water left to soak in before proceeding. Provide slow-release fertilizer packets at the rate of 1 per 24" height/diameter of shrub at planting.
- Mulching: All tree rings to receive a 3" deep layer of high quality shredded hardwood bark mulch (not pigment dyed or enviro-mulch). All shrub planting and perennial planting bed areas (groupings) shall receive a 2-3" layer of shredded hardwood bark mulch, and groundcover areas a 1-2" layer of the same mulch. Do not allow annual flower beds (if applicable). Do not allow mulch to contact plant stems and tree trunks.
- Edging: All planting beds shall be edged with a 4" deep spade edge using a flat landscape spade or a mechanical edger. Bodlines are to be cut crisp, smooth as per plan. A clean definition between landscape beds and lawn is required. Pack mulch against lawn edge to hold in place.
- Plant bed preparation/Soil Amendment composition: All perennial, groundcover and annual areas (if applicable) are required to receive a blend of organic soil (Soil Amendments) amendments prior to installation. Roto-till the following materials at the following ratio, into existing soil beds or installed topsoil beds to a depth of approximately 8"-10". Containerized and balled & burlapped plant material should be back-filled with amended soil:
 - Per 100 SF of bed area (Soil Amendment composition):
 - 1/4 CY Peat Moss or Mushroom Compost
 - 1/4 CY blended/pulverized Topsoil
 - 1/4 CY composted manure
 - In roto-tilled beds only, also include in above mixture:
 - 2 lbs Starter Fertilizer

- Installation preparation for all seeded areas: remove/kill off any existing unwanted vegetation prior to seeding. Prepare the topsoil (if adequate or provide as in item #6 above) and seed bed by removing all surface stones 1" or larger. Apply a starter fertilizer (20-10-5, or approved comparable) and specified seed uniformly at the specified rate, and provide mulch covering suitable to germinate and establish turf. Provide seed and fertilizer specifications to Landscape Architect and Owner prior to installation. Erosion control measures are to be used in swales and on slopes in excess of 1:3 and where applicable (see Civil Engineering Drawings). Methods of installation may vary at the discretion of the Landscape Contractor on his/her responsibility to establish and guarantee a smooth, uniform, quality turf. A minimum of 2" of blended, prepared and non-compacted topsoil is required for all lawn areas. If straw mulch is used as a mulch covering, a tackifier may be necessary to avoid wind dispersal of mulch covering. Marsh hay containing reed canary grass is NOT acceptable as a mulch covering.
 - An acceptable quality seed installation is defined as having:
 - No bare spots larger than one (1) square foot
 - No more than 10% of the total area with bare areas larger than one (1) square foot
 - A uniform coverage through all turf areas

- Warranty and Replacements: All plantings are to be watered thoroughly at the time of planting, through construction and upon completion of project as required. Trees, Evergreens, and Shrubs (deciduous and evergreen) shall be guaranteed (100% replacement) for a minimum of one (1) year from the date of project completion. Perennials, groundcovers, and ornamental grasses shall be guaranteed for a minimum of one (1) growing season. Perennials, groundcovers, and ornamental grasses planted after September 15th shall be guaranteed through May 31st of the following year. Only one replacement per plant will be required during the warranty period, except for losses or replacements due to failure to comply with specified requirements. Watering and general ongoing maintenance instructions are to be supplied by the Landscape Contractor to the Owner upon completion of the project.
- The Landscape Contractor is responsible for the watering and maintenance of all landscape areas for a period of 45 days after the substantial completion of the landscape installation. This shall include all trees, shrubs, evergreens, perennials, ornamental grasses, turf grass, no-mow grass, and native prairie seed mix / stormwater seed mix. Work also includes weeding, edging, mulching (only if required), fertilizing, trimming, sweeping up grass clippings, pruning and deadheading.
- Project Completion: Landscape Contractor is responsible to conduct a final review of the project, upon completion, with the Landscape Architect, Client or Owner / Client Representative, and the General Contractor to answer questions, provide written care instructions for new plantings and turf, and insure that all specifications have been met.

LANDSCAPE GENERAL NOTES

Rainwater Renewal Garden (Sunny Locations)

64 Plant Plugs per tray; Covers 75-125 SF
each planting plug to minimally measure: 2.5"x2.5"x3.5"

Botanical Name	Common Name	PLS Ounces/Acre
Agastache foeniculum	Lavender Hyssop	4.00
Aster ericoides	Heath Aster	4.00
Blephilia hirsuta	Hairy Wood Mint	4.00
Carex comosa	Bristly Sedge	4.00
Carex hystericina	Porcupine Sedge	4.00
Carex vulpinoidea	Brown Fox Sedge	4.00
Echinacea purpurea	Purple Coneflower	4.00
Eupatorium perfoliatum	Boneset	4.00
Glyceria canadensis	Rattlesnake Grass	4.00
Iris virginica	Souther Blue Flag Iris	4.00
Liatris spicata	Marsh Blazing Star	4.00
Lobelia siphilitica	Great Blue Lobelia	4.00
Pycnanthemum virginianum	Mountain Mint	4.00
Salidago ohioensis	Ohio Goldenrod	4.00
Verbena hastata	Blue Vervain	4.00
Zizia aptera	Heart-Leaved Golden Alexanders	4.00
Total		64.00

Approximate area of coverage:
Total acreage of Bio-Filtration/SMP safety shelf (SF): 215
Total acreage of Bio-Filtration /SMP safety shelf (acres): 0.00

Rainwater Renewal Garden (Sunny Locations)
2 trays of 32 plants per tray; (75-125 SF per kit coverage): 2
of kits

RAIN GARDEN RENEWAL



P.O. Box 1359
Lake Geneva, Wisconsin 53147-1359
ph 262.639.9733
david@wdavidheller.com
www.wdavidheller.com

PLANT KEY	QUANTITY	PLANT MATERIAL PROPOSED		CALIPER or HEIGHT	ROOT	SPECIFICATION / NOTES	PLANT SPACING
		BOTANICAL NAME	COMMON NAME				
Proposed Landscape Materials							
SHADE TREES (DECIDUOUS)							
PPH	2	Celtis occidentalis 'Prairie Pride'	Prairie Pride Hackberry	2.5"	B&B	Straight central leader, full and even crown. Prune only after planting	
SWO	1	Quercus bicolor	Swamp White Oak	2.5"	B&B	Straight central leader, full and even crown. Prune only after planting	
AE	2	Ulmus 'Morton' Accolade	Accolade Elm	2.5"	B&B	Straight central leader, full and even crown. Prune only after planting	

PLANT KEY	QUANTITY	PLANT MATERIAL PROPOSED		SHRUB SIZE (HEIGHT)	ROOT/CONT.	SPECIFICATION / NOTES	PLANT SPACING
		BOTANICAL NAME	COMMON NAME				
EVERGREEN SHRUBS							
KCPJ	11	Juniperus chinensis 'Kallay'	Kallay Compact Pfitzer Juniper	24" w	Cont.	Full rounded well branched shrub	48"

PLANT KEY	QUANTITY	PLANT MATERIAL PROPOSED		SHRUB SIZE (HEIGHT)	ROOT/CONT.	SPECIFICATION / NOTES	PLANT SPACING
		BOTANICAL NAME	COMMON NAME				
DECIDUOUS SHRUBS							
AH	2	Hydrangea arborescens 'Annabelle'	Annabelle Hydrangea	#5	Cont.	Full, well rooted plant, evenly shaped	48"
GLS	11	Rhus aromatica 'Gro-Low'	Gro Low Fragrant Sumac	18-24"	Cont.	Full, well rooted plant, evenly shaped	42"
PPSR	5	Rosa rugosa 'Pink Pavement'	Pink Pavement Series Rose	18"	Cont.	Full, well rooted plant, evenly shaped	42"
GMS	15	Spiraea xbumalda 'Goldmound'	Goldmound Spirea	24"	Cont.	Full, well rooted plant, evenly shaped	36"
NFS	12	Spiraea xbumalda 'Neon Flash'	Neon Flash Spirea	24"	Cont.	Full, well rooted plant, evenly shaped	60"
MKL	3	Syringa patula 'Miss Kim'	Miss Kim Dwarf Lilac	36"	Cont.	Full, well rooted plant, evenly shaped	60"

PLANT KEY	QUANTITY	PLANT MATERIAL PROPOSED		CONTAINER SIZE	SPECIFICATION / NOTES	PLANT SPACING	
		BOTANICAL NAME	COMMON NAME				
ORNAMENTAL GRASSES							
DMG	5	Miscanthus sinensis 'Adagio'	Dwarf Maidengrass	#1	Cont.	Full, well rooted plant	42"

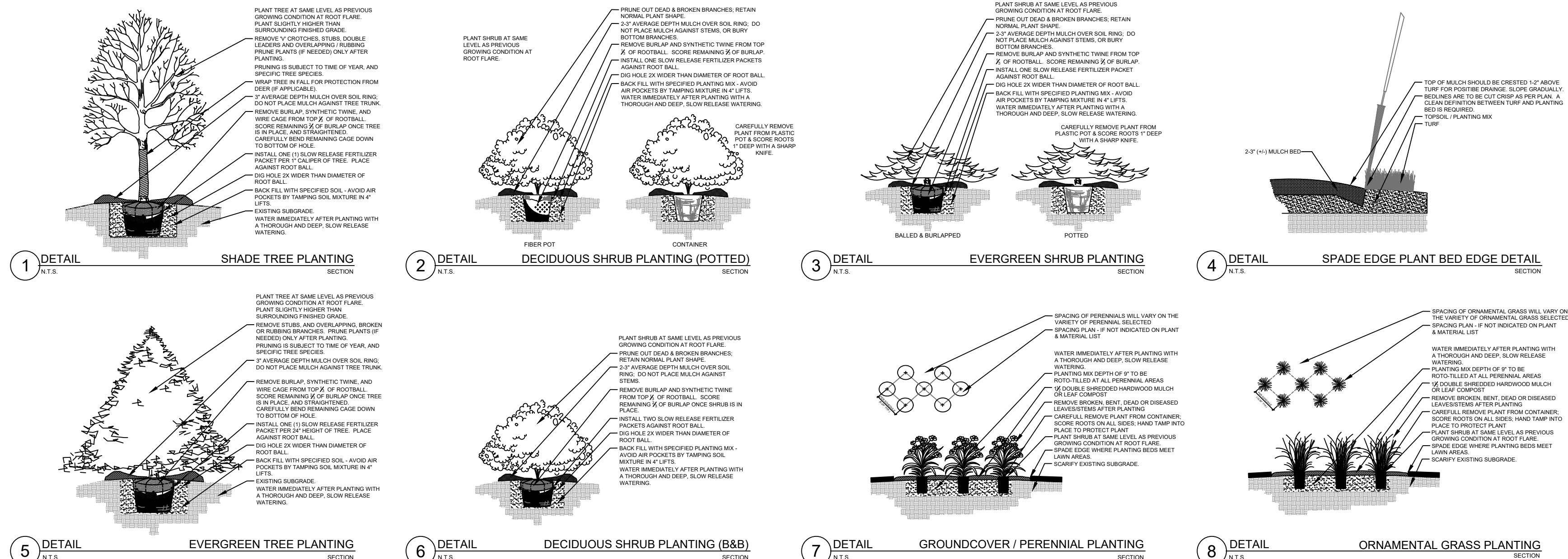
PLANT KEY	QUANTITY	PLANT MATERIAL PROPOSED		CONTAINER SIZE	SPECIFICATION / NOTES	PLANT SPACING	
		BOTANICAL NAME	COMMON NAME				
HERBACEOUS PERENNIALS							
HRD	11	Hemerocallis 'Happy Returns'	Happy Returns Daylily	#1	Cont.	Full, well rooted plant, evenly shaped	18"

PLAN KEY	QUANTITY	PLANT MATERIAL PROPOSED		CONTAINER SIZE	SPECIFICATION / NOTES	PLANT SPACING
		SPECIFIED SEED MIX / SOD				
LAWN	2000	Lawn Establishment Area / Grading Area		SF	Reinder's Deluxe 50 Seed Mix (800-785-3301)	
	215	Rain Garden Renewal		SF	Agrecol LLC (608-223-3571)	
	2000	Erosion Matting for seeded areas		SF	EroTex DS75 Erosion Control Blanket (or approved equal)	
Hardscape Materials						
	52	Aluminum Edge Restraint (gravel areas)		LF	Permaloc ProSlide 3/16"x5.5" Black Duraflex Finish	
	1980	Landscape Fabric		SF	Permaloc	
	15	Heritage River-Washed Gravel mulch (3" depth)		TN	3" Depth	
	9	Soil Amendments (2" depth)		CY		
	6	Pulverized Topsoil (Lawn Area)		CY		
	9	Pulverized Topsoil (2" over bed areas)		CY		

*Landscape counts & quantities are provided as a service to the Landscape Contractor; Landscape Contractor is responsible for verifying these counts and quantities in order to provide a complete landscape installation as outlined on this Landscape Master Plan. In the event that a discrepancy occurs between this schedule and the Landscape Master Plan, the Landscape Master Plan- including the graphics and notations depicted therein- shall govern.

Seed Compositions:
Reinder's Deluxe 50 Seed Mix (800-785-3301):
20% Kentucky Bluegrass (Sod Quality) 15% Quebec Perennial Ryegrass
15% Newport Kentucky Bluegrass 10% Fiesta III Perennial Ryegrass
15% Ken Blue Kentucky Bluegrass
25% Creeping Red Fescue
Seed at rate of 150-200# per acre

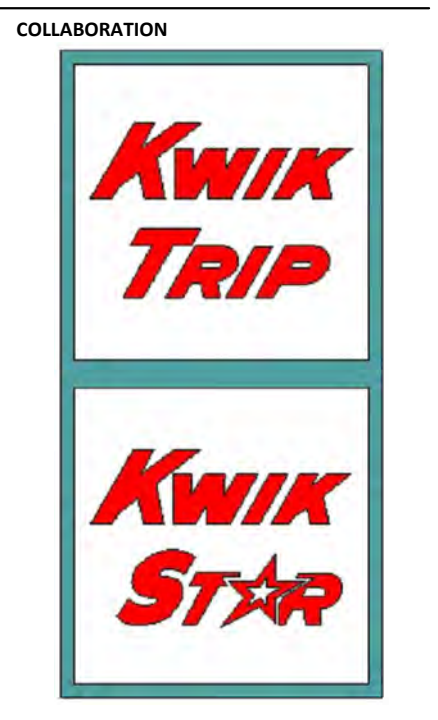
PLANT & MATERIAL SCHEDULE



PLANTING & HARDSCAPE DETAILS



Always a Better Plan
100 Camelot Drive
Fond Du Lac, WI 54935
Phone: (920) 926-9800
www.EXCELENGINEER.com



PROJECT INFORMATION

PROPOSED RENOVATION FOR:
KWIK TRIP STORE #1511
4624 MONONA DRIVE • MADISON, WI 53716

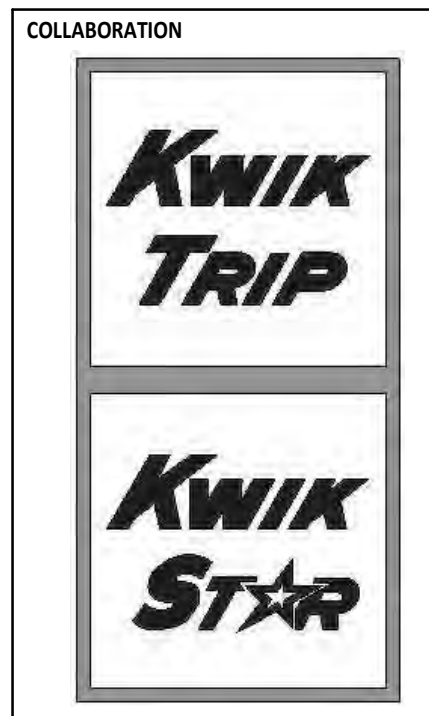


LANDSCAPE DETAILS, NOTES, & SCHEDULES

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2028580

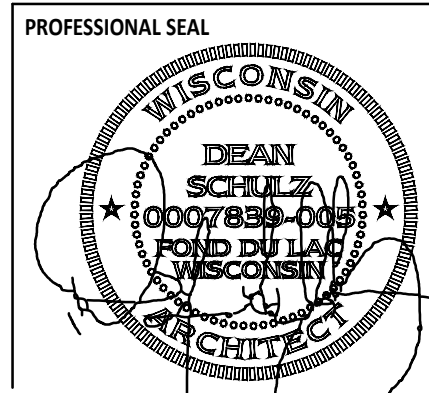
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PROJECT INFORMATION

PROPOSED RENOVATION:
KWIK TRIP STORE #1511
 4624 MONONA DRIVE • MADISON, WI 53716



SHEET DATES

SHEET ISSUE	NOV. 3, 2020
REVISIONS	
CB1	DEC. 4, 2020

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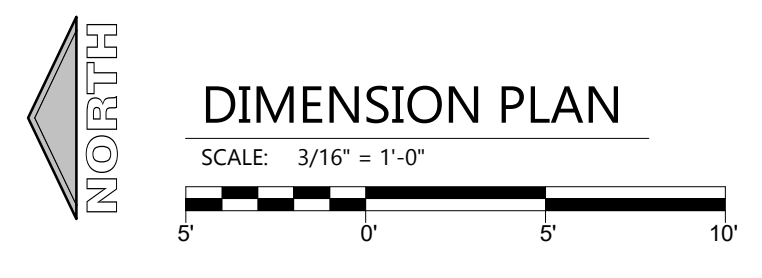
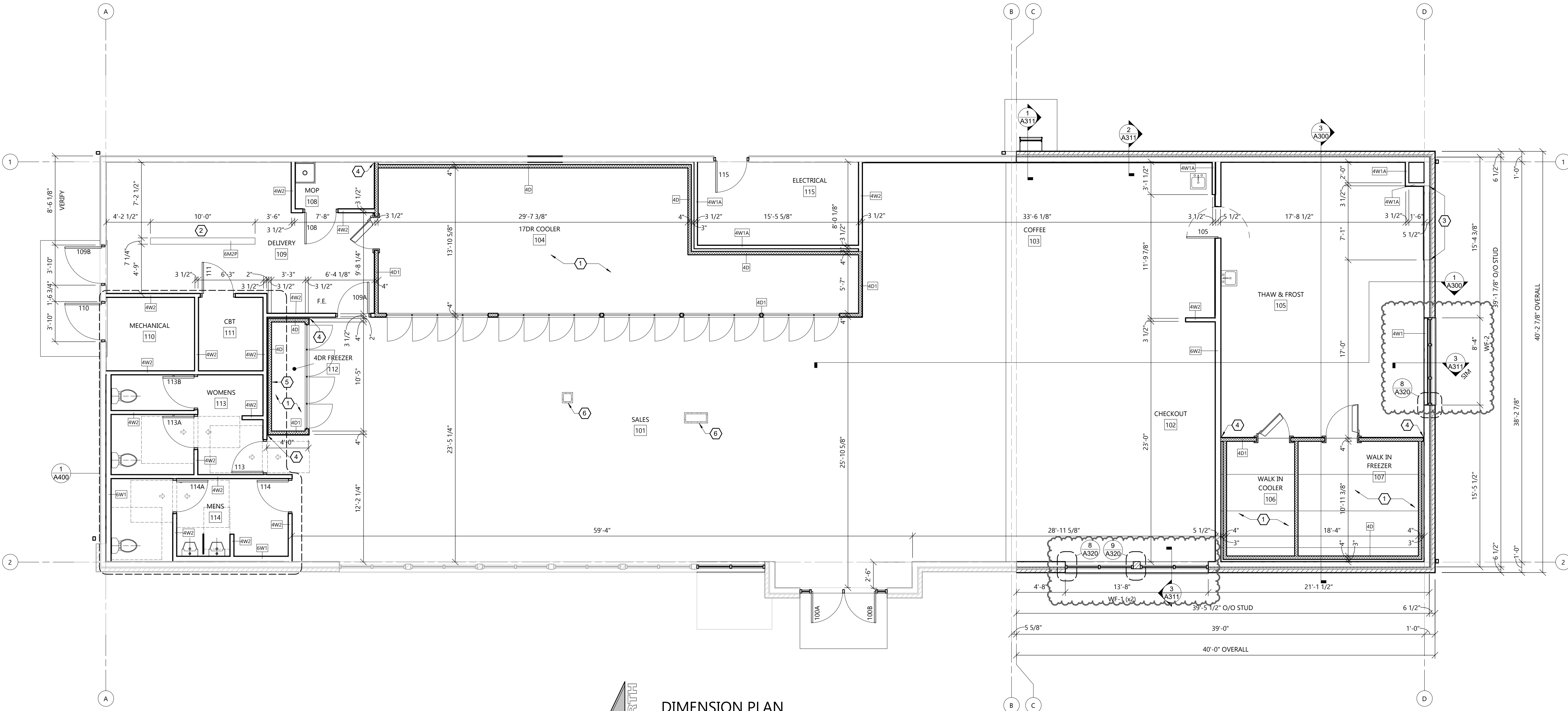
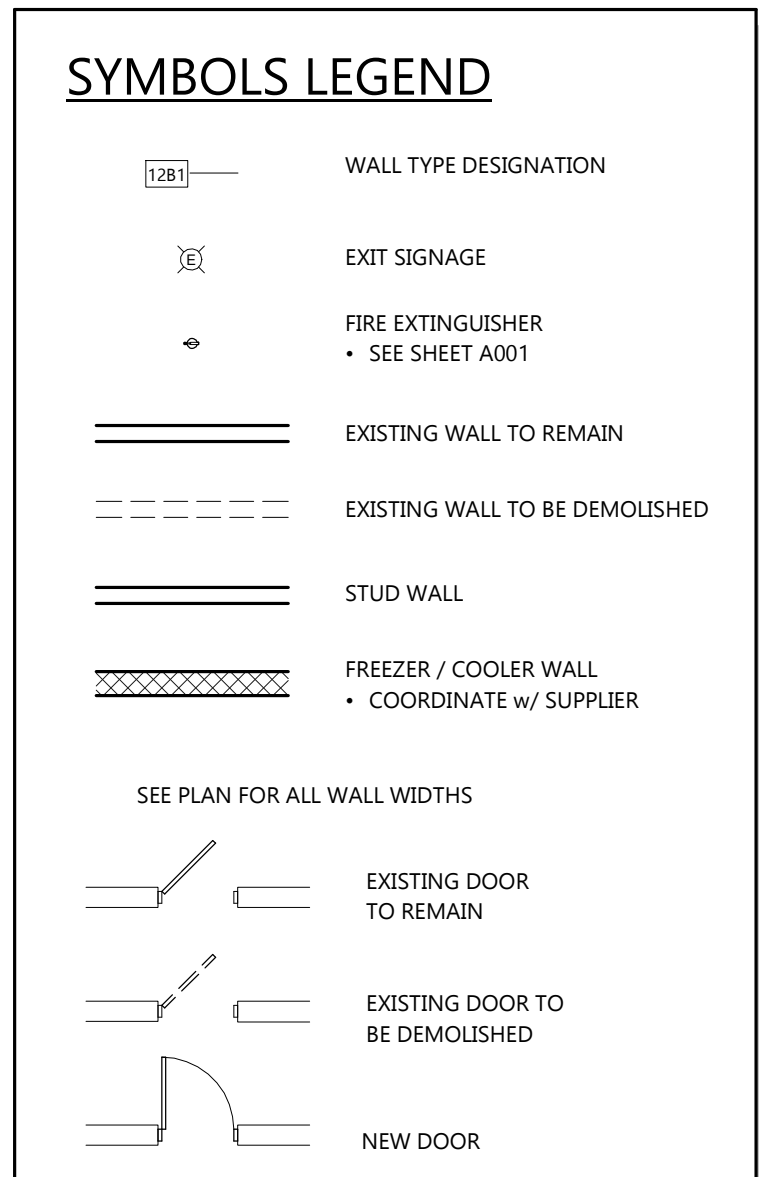
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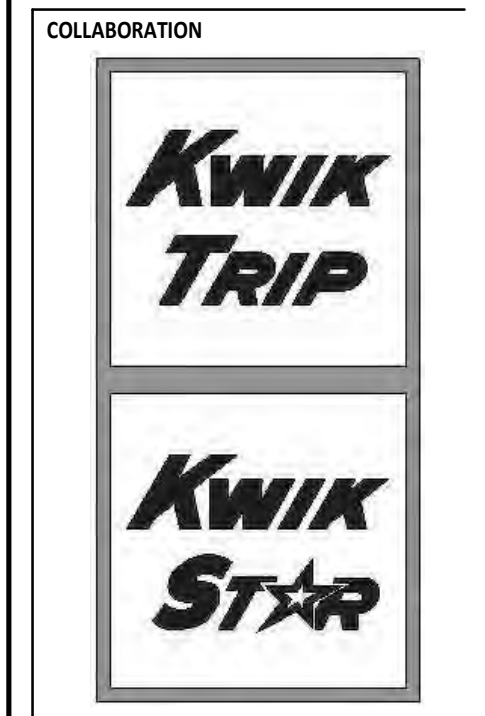
FLOOR PLAN KEY NOTES

MARK	DESCRIPTION
1	FIELD VERIFY DIMENSIONS OF COOLER / FREEZERS BEFORE PLACEMENT. ADJUST ADJACENT FRAMED WALLS AS NEEDED. VERIFY WITH OWNER.
2	PARTIAL HEIGHT WALL - WALL TO BE 4'-0" TALL. 3/4" PLYWOOD ALL SIDES AND PLYWOOD CAP.
3	HOOD WALL - 20 GA. STAINLESS STEEL PANEL OVER 6" METAL STUDS @ 16" O.C. PANEL TO COVER ENTIRE WALL FROM 18" ABOVE TOP OF HOOD DOWN TO TOP OF BASE TILE. PANEL TO EXTEND 18" PAST EACH SIDE OF HOOD. NO EXPOSED SCREWS OR ATTACHMENTS. SEE 2/A300.
4	ENCLOSE AIR SPACE BETWEEN COOLER AND WALL. SEE FINISH SCHEDULE FOR MATERIAL.
5	FREEZER TO BE 6 SIDED IMP BOX PLACED ON EXISTING CONCRETE SLAB.
6	LAMINATED WOOD CHASE FOR PLUMBING LINES. COORDINATE WITH PLUMBING DRAWINGS FOR REQUIRED SIZE AND PLACEMENT PRIOR TO CONSTRUCTION.

- GENERAL FLOOR PLAN NOTES**
- ALL INTERIOR DIMENSIONS ARE FROM FACE-OF-STUD TO FACE-OF-STUD.
 - ALL INTERIOR WALLS TO BE 2x4 OR 2x6 @ 16" OC (SEE FLOOR PLAN FOR SIZE) - EXTEND ALL MATERIALS FULL HEIGHT TO UNDERSIDE OF ROOF DECK.
 - PROVIDE 3 1/2" SOUND BATT INSULATION AROUND PERIMETER OF TOILET ROOM AND OFFICE WALLS.
 - MISCELLANEOUS HARDWARE INCLUDED. HANDICAP HARDWARE.
 - PROVIDE WOOD BLOCKING FOR ANY FURNISHINGS BY OWNER. (VERIFY LOCATIONS).
 - ALL EXTERIOR WINDOWS TO HAVE GYPSUM BOARD RETURNS AT HEAD AND JAMBS AND SOLID SURFACE SILLS. SEE ROOM FINISH PLAN.
 - SEE A500 FOR WINDOW ELEVATION.

- EXISTING BUILDING NOTES**
- REMOVE EXISTING GYP BOARD AND WALL FINISHES AS NEEDED FOR NEW WORK. ANY GYP BOARD TO REMAIN IS TO BE PATCHED, REPAIRED, AND PREPARED FOR NEW FINISHES AS SHOWN ON THE ROOM FINISH SCHEDULE.
 - IF EXISTING SUBSTRATE DOES NOT MATCH ROOM FINISH SCHEDULE OR CANNOT ACCEPT FINISHES TO MATCH NEW, REPLACE AS REQUIRED.
 - ENSURE ALL EXISTING EXTERIOR WALLS ARE FULLY INSULATED TO A MINIMUM OF R-19 AND PROVIDED WITH A CONTINUOUS VAPOR RETARDER ON THE INSIDE FACE OF THE STUDS.
 - ENSURE ALL EXISTING INTERIOR DEMISING WALLS BETWEEN SEPARATE TENANT SPACES ARE FILLED WITH SOUND BATT INSULATION AND ALL PENETRATIONS, VOIDS, OR GAPS ARE FULLY SEALED.
 - AT EXTERIOR OR DEMISING WALLS IN AREAS WITH UNCONDITIONED ATTIC SPACES, GYP BOARD (OR OTHER SUBSTRATE AS SCHEDULED) SHALL EXTEND THE FULL HEIGHT OF THE WALL TO THE UNDERSIDE OF THE TRUSSES ABOVE.
 - AT EXTERIOR OR DEMISING WALLS IN AREAS WITH ROOF INSULATION ENTIRELY ABOVE THE ROOF DECK, GYP BOARD (OR OTHER SUBSTRATE AS SCHEDULED) SHALL EXTEND THE FULL HEIGHT OF THE WALL TO THE UNDERSIDE OF ROOF DECK ABOVE.
 - ENSURE FURRING ON EXTERIOR MASONRY WALLS EXTENDS FULL HEIGHT BEHIND INTERIOR SUBSTRATES.
 - FUR-OUT AROUND COLUMNS AND BEAMS AS NEEDED.





PROJECT INFORMATION

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KWIK TRIP STORE #1511
4624 MONONA DRIVE • MADISON, WI 53716

PROFESSIONAL SEAL

SHEET DATES

SHEET ISSUE NOV. 3, 2020

REVISIONS
CB1 DEC. 4, 2020

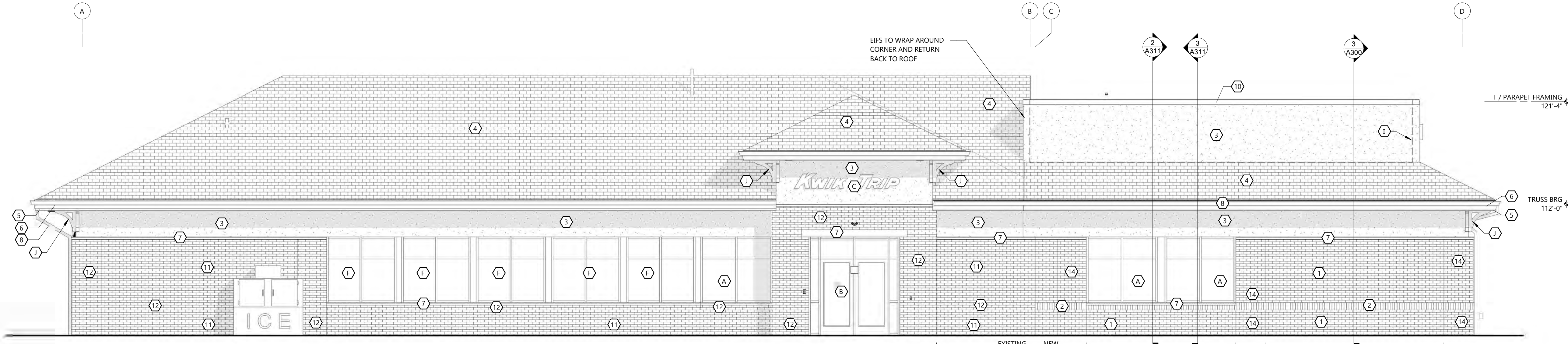
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SHEET NUMBER

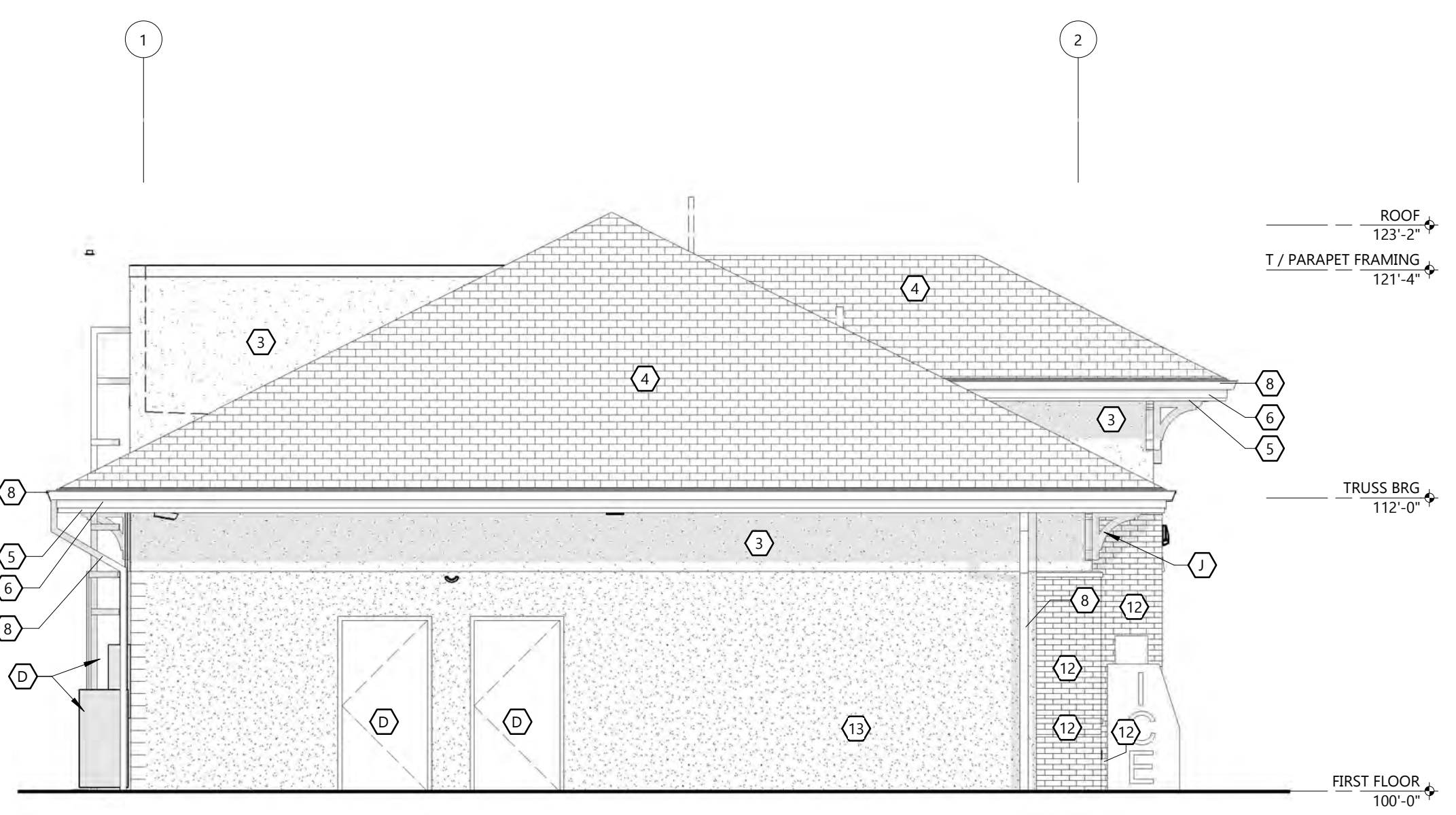
A200

EXTERIOR ELEVATION KEYNOTES

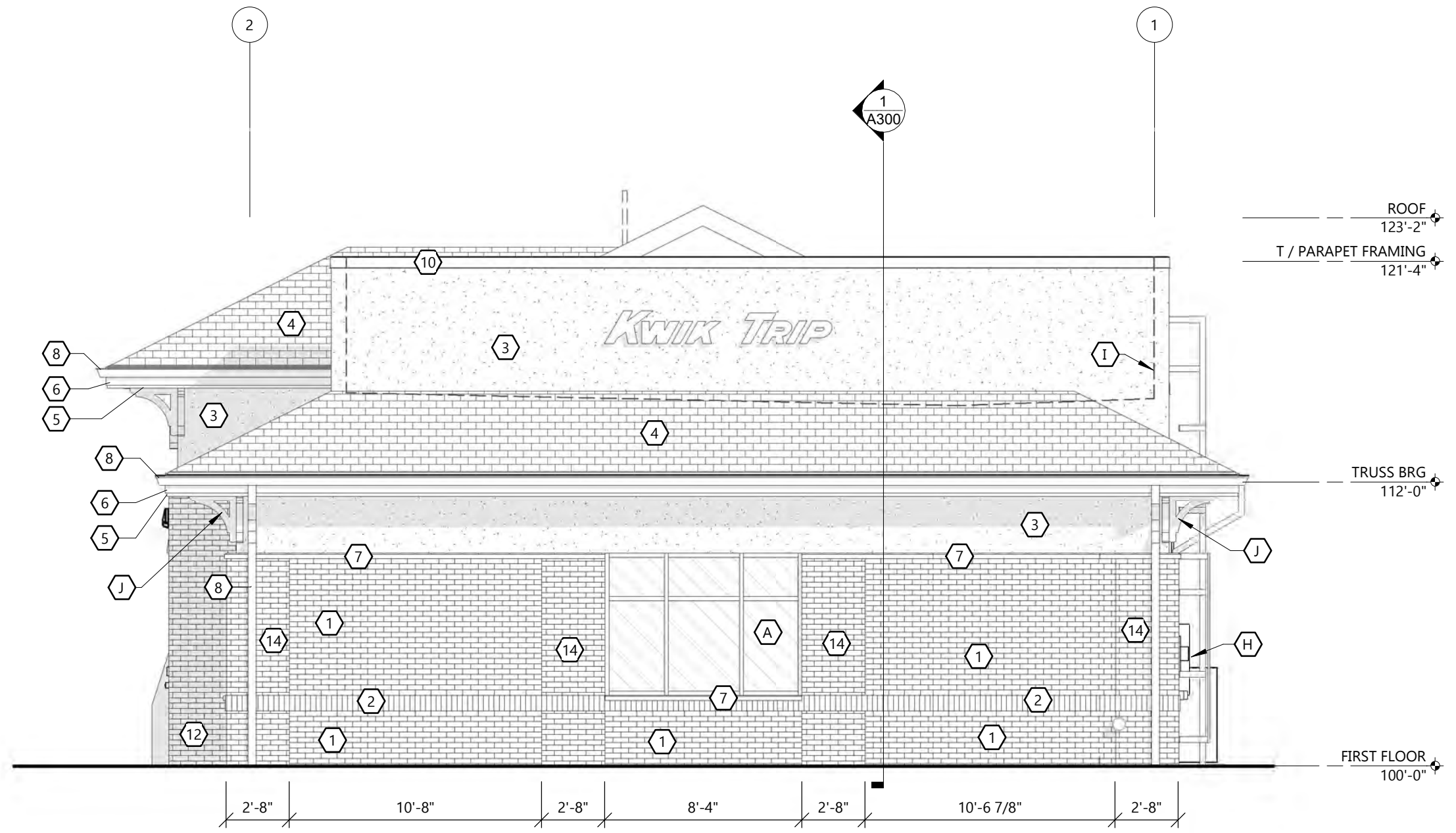
MARK	DESCRIPTION
A	NEW ALUMINUM STOREFRONT WINDOW, FRAME AND GLAZING TO MATCH EXISTING (SEE SHEET A500)
B	NEW ALUMINUM DOOR AND FRAME (SEE SHEET A500)
C	NEW EXTERIOR WALL SIGANCE BY OTHERS. COORDINATE SIZE AND BLOCKING REQUIREMENTS WITH OWNER / SUPPLIER.
D	NEW FRP DOOR AND FRAME. PAINT TO MATCH ADJACENT WALL.
E	ROOF ACCESS LADDER. PAINT TO MATCH ADJACENT WALL.
F	EXISTING ALUMINUM STOREFRONT WINDOW FRAME AND GLAZING TO REMAIN.
G	MECHANICAL EQUIPMENT BEHIND SCREENING (TYP)
H	MEP SERVICE EQUIPMENT. SEE MEP DRAWINGS.
I	LINE OF ROOF BEHIND PARAPET
J	EXISTING EAVE BRACKET. REPAIR AS NEEDED AND PAINT TO MATCH EIFS. AS REQUIRED, RELOCATE EXISTING TO NEW CONSTRUCTION.



WEST ELEVATION
SCALE: 3/16" = 1'-0"



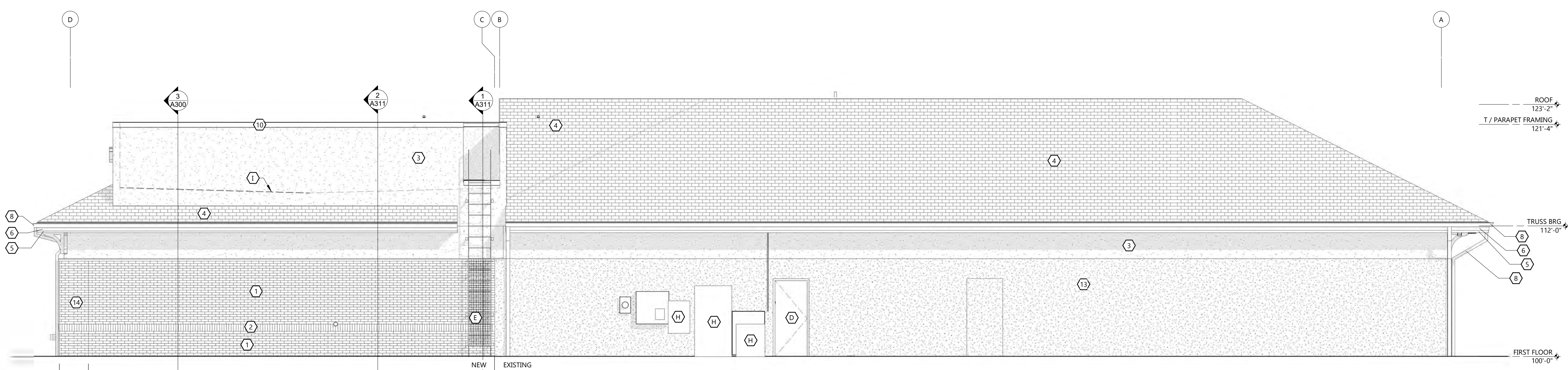
SOUTH ELEVATION
SCALE: 3/16" = 1'-0"



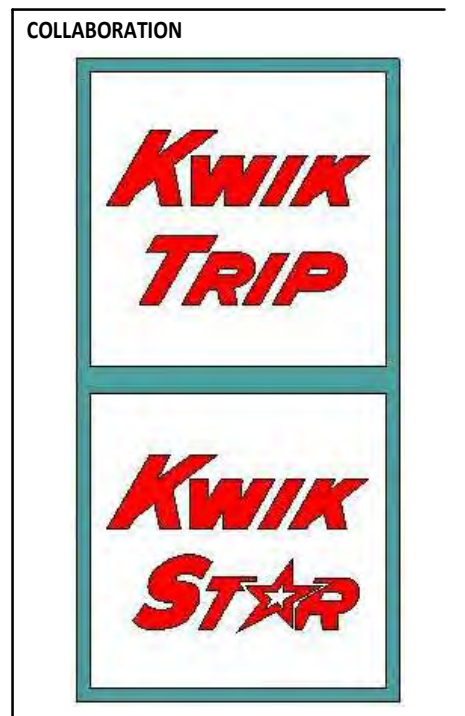
NORTH ELEVATION
SCALE: 3/16" = 1'-0"

EXTERIOR FINISH KEY

(7)	EXISTING MASONRY ACCENT - PAINT TO MATCH TAN BRICK. NEW TO MATCH.	(14)	TAN BRICK - KWIK TRIP STANDARD
(6)	WHITE FASCIA	(13)	EIFS - MATCH RED BRICK
(5)	RED FASCIA	(12)	EXISTING PAINTED BRICK - MATCH TAN BRICK COLOR
(4)	ASPHALT SHINGLES	(11)	EXISTING PAINTED BRICK - MATCH RED BRICK COLOR
(3)	EIFS - TAN	(10)	PRE-FINISHED METAL WHITE PARAPET CAP
(2)	TAN BRICK SOILDER COURSE - KWIK TRIP STANDARD	(9)	WHITE ALUM. SOFFIT
(1)	RED BRICK - KWIK TRIP STANDARD	(8)	WHITE ALUMINUM GUTTER AND PRE-FINISHED METAL DOWNSPOUT



EAST ELEVATION
SCALE: 3/16" = 1'-0"



PROJECT INFORMATION

PROPOSED RENOVATION:
KWIK TRIP STORE #1511
4624 MONONA DRIVE • MADISON, WI 53716

PROFESSIONAL SEAL

SHEET DATES

SHEET ISSUE NOV. 3, 2020

REVISIONS

NO.	DESCRIPTION

JOB NUMBER
2028580

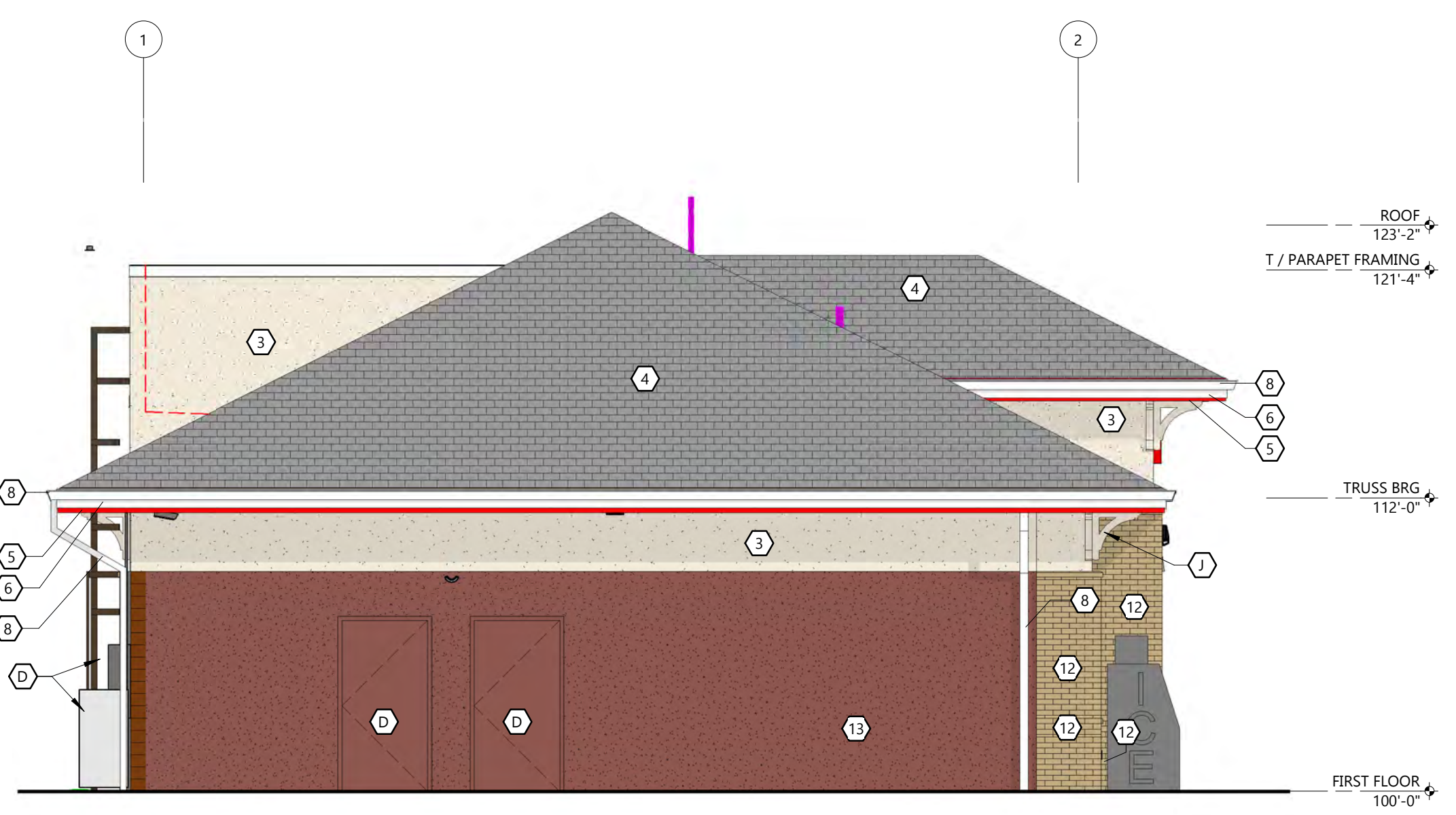
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EXTERIOR ELEVATION KEYNOTES

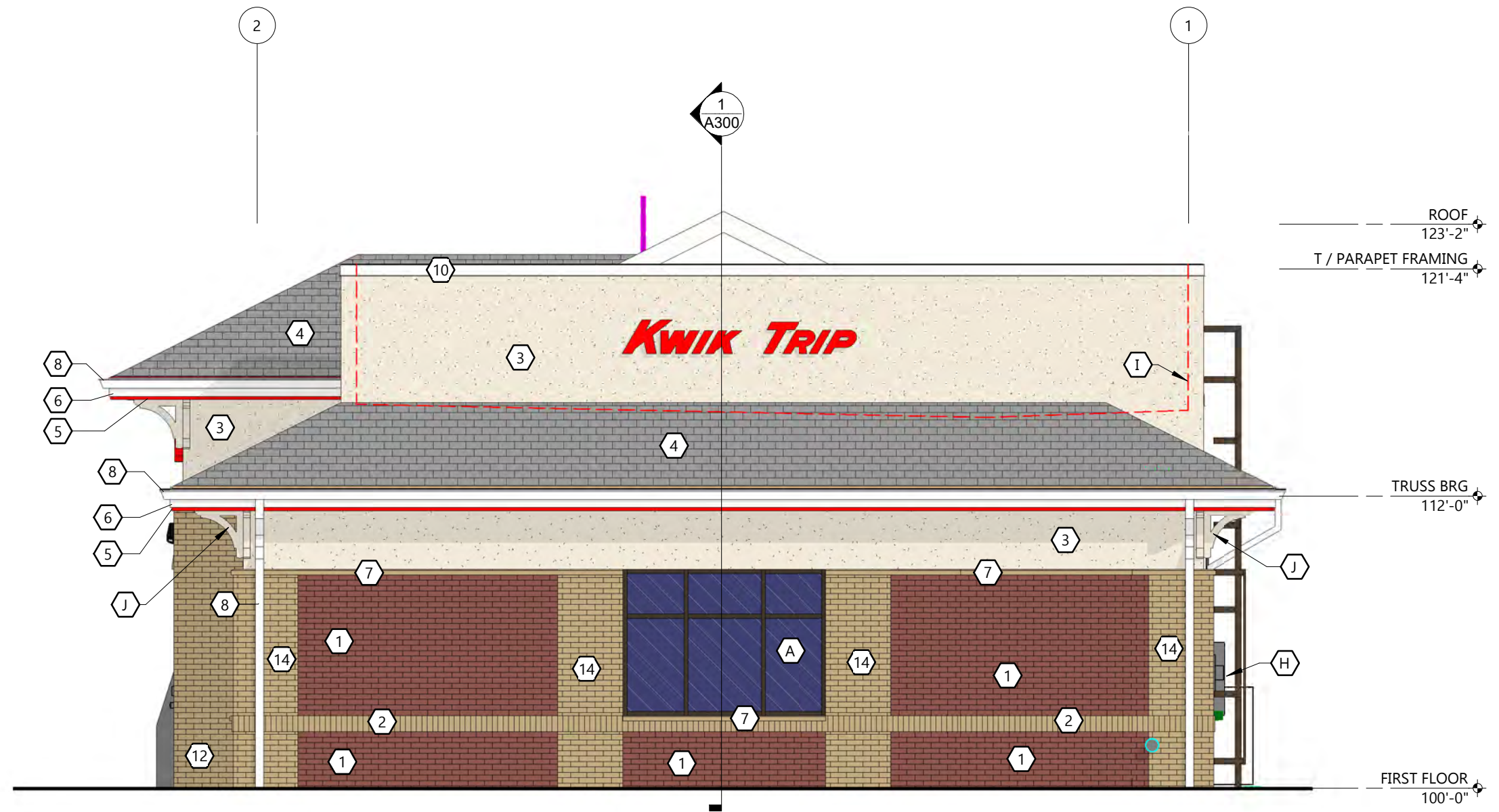
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WEST ELEVATION
SCALE: 3/16" = 1'-0"



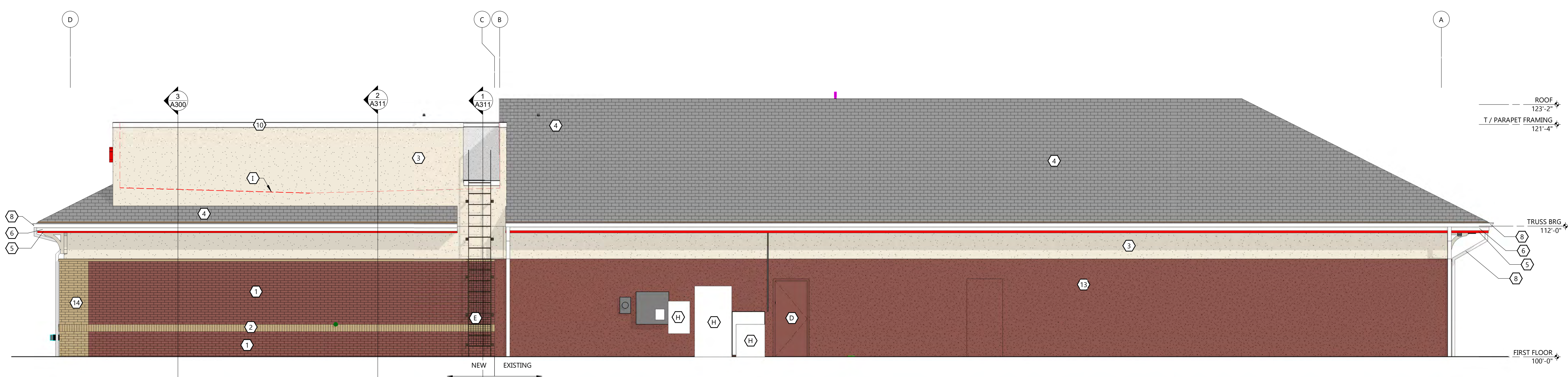
SOUTH ELEVATION
SCALE: 3/16" = 1'-0"



NORTH ELEVATION
SCALE: 3/16" = 1'-0"

EXTERIOR FINISH KEY

7	EXISTING MASONRY ACCENT - PAINT TO MATCH TAN BRICK. NEW TO MATCH.	14	TAN BRICK - KWIK TRIP STANDARD
6	WHITE FASCIA	13	EIFS - MATCH RED BRICK
5	RED FASCIA	12	EXISTING PAINTED BRICK - MATCH TAN BRICK COLOR
4	ASPHALT SHINGLES	11	EXISTING PAINTED BRICK - MATCH RED BRICK COLOR
3	EIFS - TAN	10	PRE-FINISHED METAL WHITE PARAPET CAP
2	TAN BRICK SOILDER COURSE - KWIK TRIP STANDARD	9	WHITE ALUM. SOFFIT
1	RED BRICK - KWIK TRIP STANDARD	8	WHITE ALUMINUM GUTTER AND PRE-FINISHED METAL DOWNSPOUT

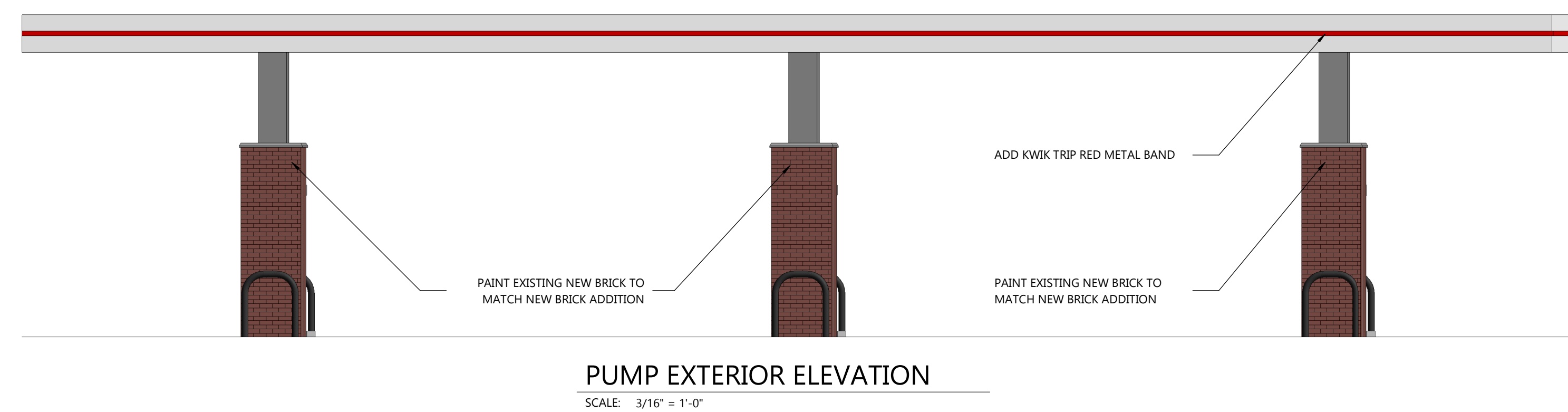
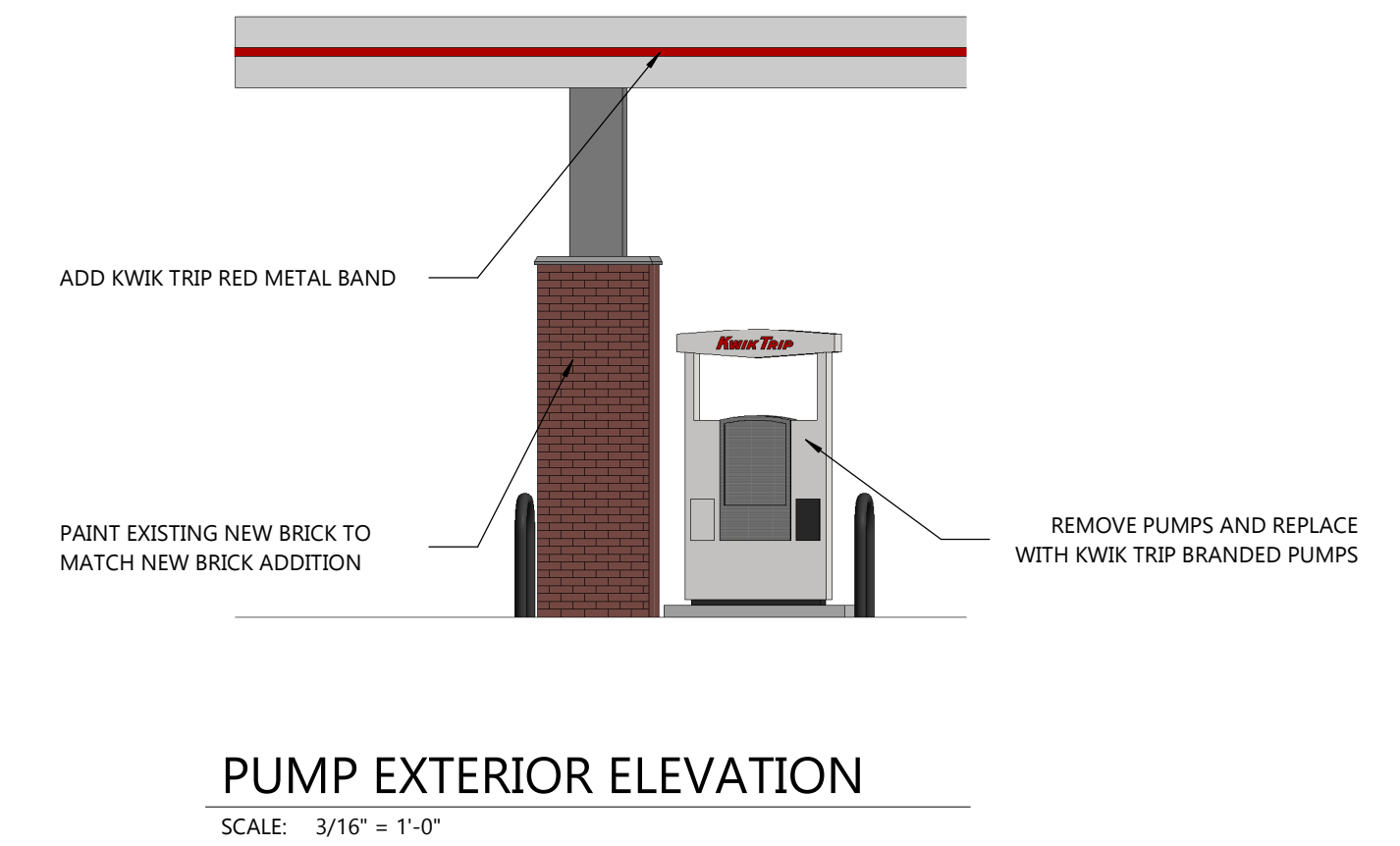
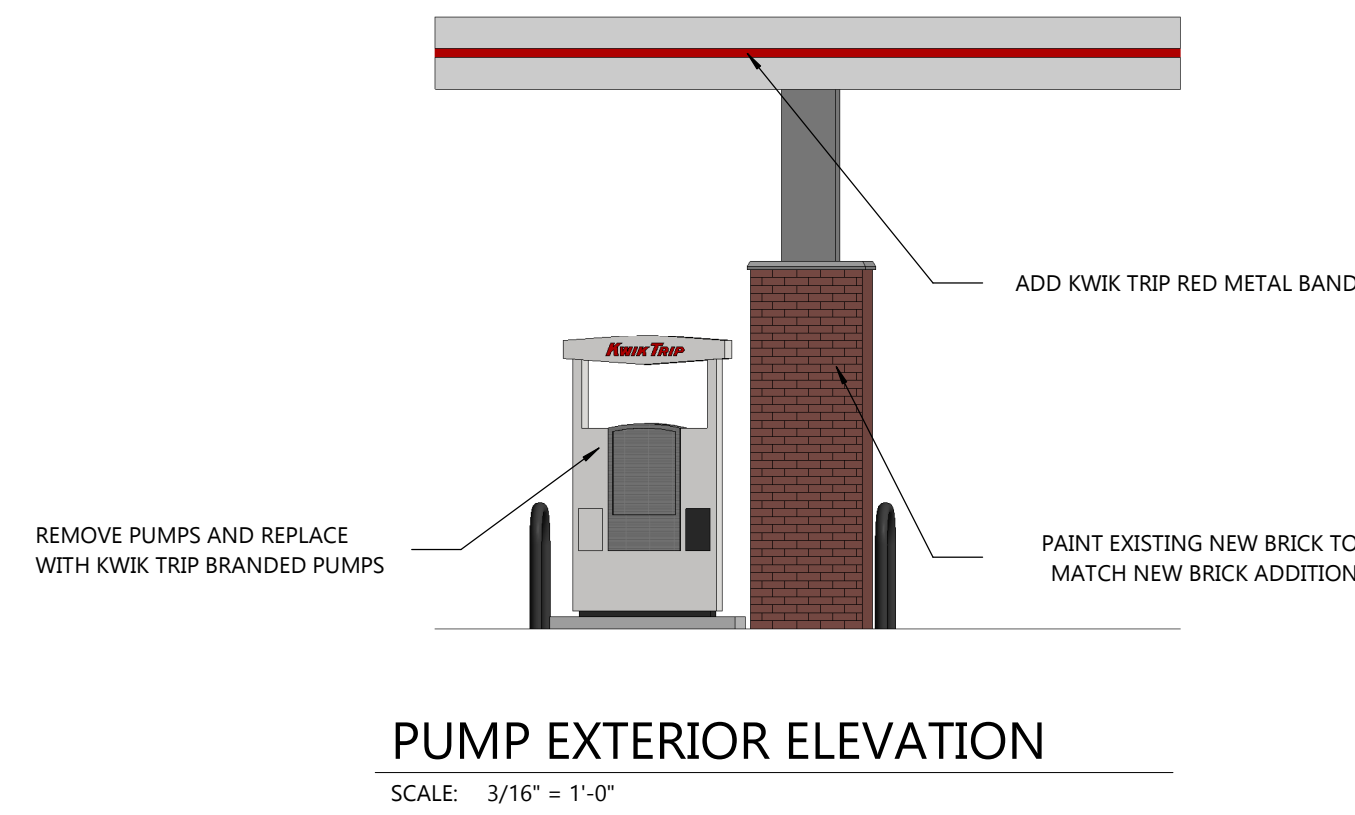
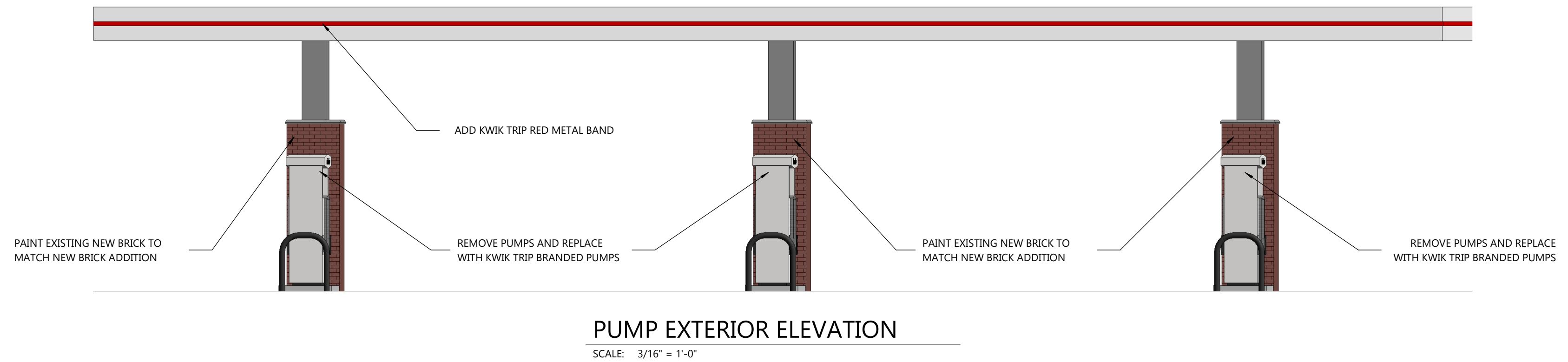


EAST ELEVATION
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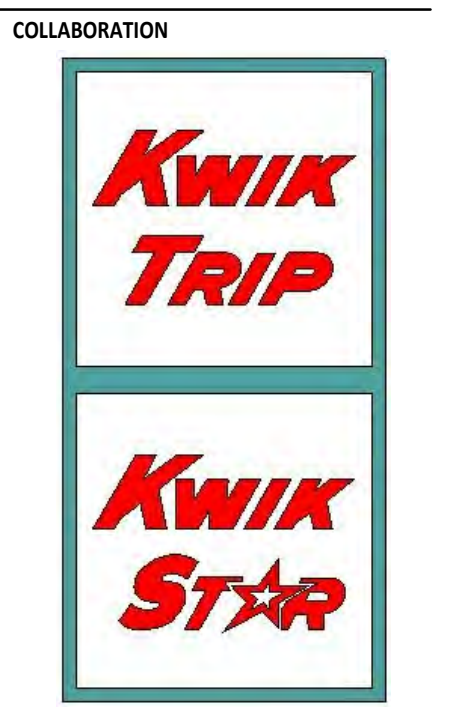
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EXISTING CANOPY



COLORED EXTERIOR ELEVATION



PROJECT INFORMATION

PROPOSED RENOVATION:
KWIK TRIP STORE #1511
4624 MONONA DRIVE • MADISON, WI 53716

PROFESSIONAL SEAL

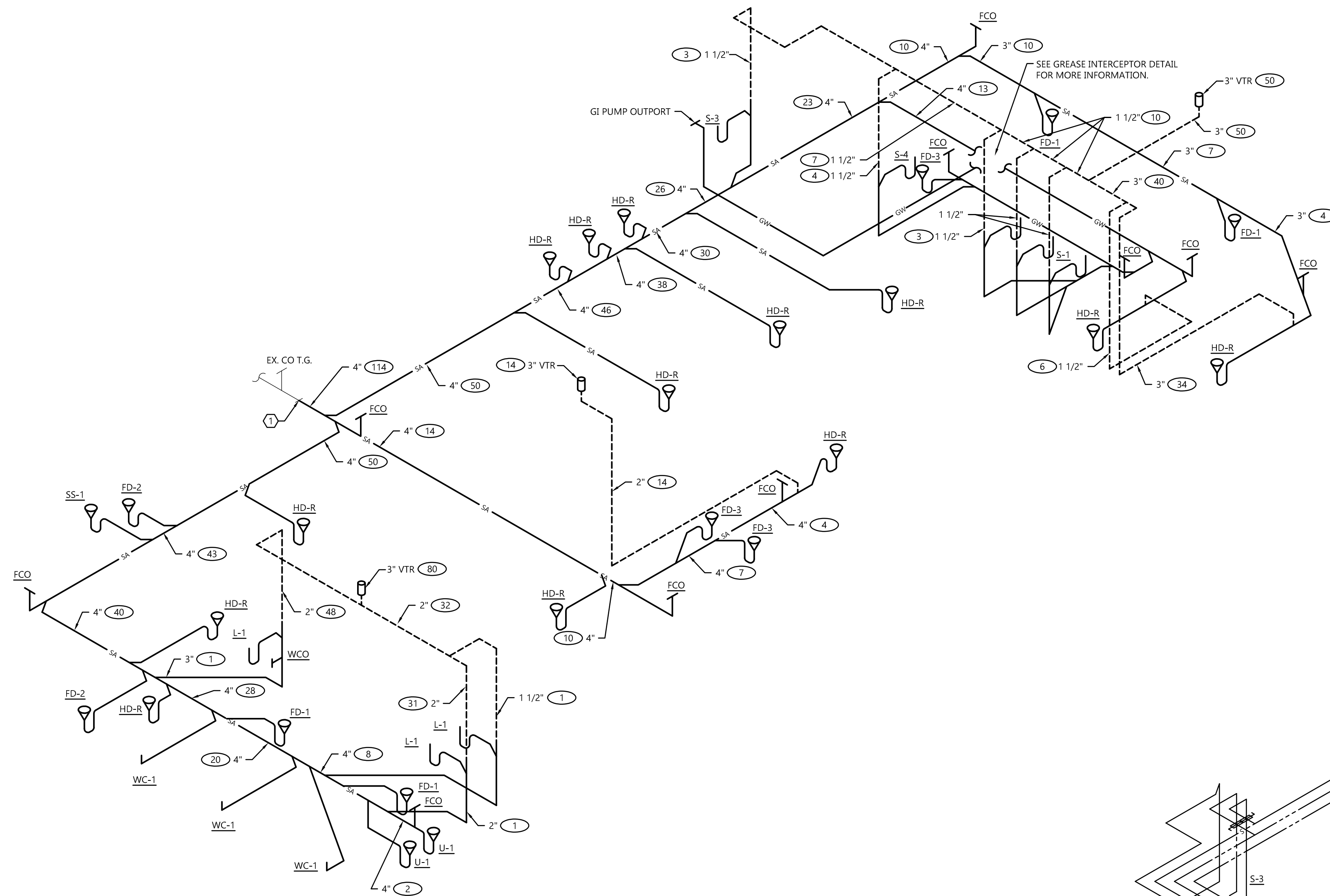
SHEET DATES

SHEET ISSUE	PRELIM
REVISIONS	

JOB NUMBER
2028580

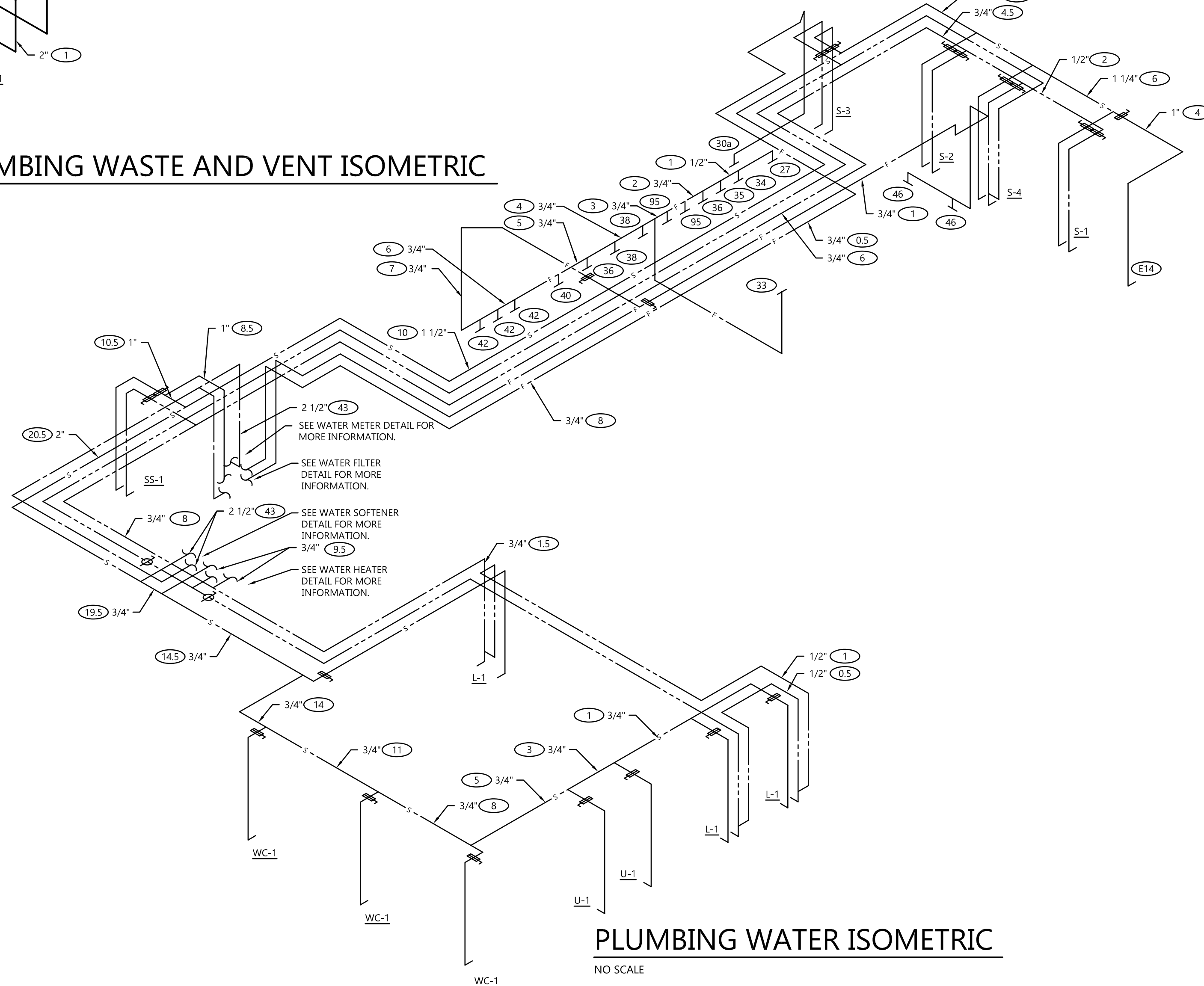
SHEET NUMBER
A201

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PLUMBING WASTE AND VENT ISOMETRIC

NO SCALE



PLUMBING WATER ISOMETRIC

NO SCALE

WATER CALCULATIONS

WATER PRESSURE DATA

1	STATIC PRESSURE AT MAIN	60 PSIG
2	RESIDUAL PRESSURE AT MAIN	20 PSIG
3	RESIDUAL FLOW AT MAIN	1500 GPM
4	BUILDING FIXTURE UNITS	46 F.U.
5	PREDOMINATE FLUSH TYPE	TANK
6	CONTINUOUS FLOW GPM	0 GPM
7	BUILDING DEMAND	26.4 GPM
8	RESIDUAL PRESSURE AT BUILDING DEMAND	60.0 PSIG
9	SAFETY FACTOR	0 PSIG
10	PRESSURE AVAILABLE FOR DOMESTIC USE	60.0 PSIG

WATER SERVICE AND DISTRIBUTION SIZING DATA

11	ELEVATION OF RESIDUAL TEST HYDRANT	890.20 FEET
12	ELEVATION OF WATER METER	891.40 FEET
13	ELEVATION DIFFERENCE TEST HYDRANT TO METER	1.20 FEET
14	WATER METER SIZE	1 INCHES
15	DEVELOPED LENGTH MAIN TO METER	40 FEET
16	WATER SERVICE SIZE	1 1/2 INCHES

PRESSURE AVAILABLE AFTER METER

17	PRESSURE DROP BETWEEN MAIN AND METER	2.16 PSIG/100'
18	FRICTION PRESSURE LOSS BETWEEN MAIN AND METER	0.9 PSIG
19	ELEVATION PRESSURE LOSS BETWEEN MAIN AND METER	0.5 PSIG
20	METER PRESSURE LOSS	4 PSIG
21	BACKFLOW PREVENTER PRESSURE LOSS	0 PSIG
22	PRESSURE AVAILABLE AFTER METER	54.6 PSIG

WATER DISTRIBUTION SIZING - COLD WATER

A	AVAILABLE BUILDING WATER PRESSURE	54.6 PSIG				A	40 FT	0.26 PSIG/100'				B	0 FT	0.0 PSIG/100'				
		WATER METER	Copper	CPVC	PEX			WATER METER	Copper	CPVC	PEX			WATER METER	Copper	CPVC	PEX	
B	START POINT TAG (SEE ISOMETRIC FOR TAG LOCATION)																	
C	DIST. PREVIOUS START POINT TO THIS START POINT																	
D	UNIFORM LOSS PREV. START POINT TO THIS START POINT																	
E	PIPE PRESSURE DROP FROM METER TO START POINT																	
F	CONTROLLING FIXTURE:																	
G	ELEV. DIFF. BETW. METER AND CONTROLLING FIXTURE	3 FEET	1	4.0	3.0	2.5	2	FEET	1	31	24	20.5	3	FEET	1	31	23	19
H	PRESSURE LOSS DUE TO WATER SOFTENER	7 PSIG	1 1/4	9.0	6.0	4.0	7	PSIG	1 1/4	58	41	34	7	PSIG	1 1/4	58	41	34
I	PRESSURE LOSS DUE TO FILTER	0 PSIG	1 1/2	15.0	10.0	8.0	0	PSIG	1 1/2	107	68	55	2	PSIG	1 1/2	107	68	55
J	PRESSURE AVAILABLE FOR PIPING PRESSURE DROP	1.3 PSIG	2	37.0	23.0	19.0	38.6	PSIG	2	260	171	135	24.3	PSIG	2	260	171	135
K	DEVELOPED LENGTH START PT. TO CONTR. FIXTURE	180 FEET	2 1/2	86.0	64.0	52.0	60	FEET	2 1/2	469	385	315	150	FEET	2 1/2	469	385	315
L	EQUIVALENT LENGTH START PT. TO CONTR. FIXTURE	270 FEET	3	200.0	225.0	270.0	90	FEET	3	752	655	555	225	FEET	3	752	655	555
M	PRESSURE AVAILABLE FOR UNIFORM LOSS	0.48 PSIG/100'	4	561.0	485.0	405.0	42.91	PSIG/100'	4	1792	1094	900	10.80	PSIG/100'	4	1792	1094	900

WATER DISTRIBUTION SIZING - HOT WATER

A	AVAILABLE BUILDING WATER PRESSURE	54.6 PSIG				A	40 FT	10.21 PSIG/100'				B	0 FT	4.1 PSIG/100'				
		WATER METER	Copper	CPVC	PEX			WATER METER	Copper	CPVC	PEX			WATER METER	Copper	CPVC	PEX	
B	START POINT TAG (SEE ISOMETRIC FOR TAG LOCATION)																	
C	DIST. PREVIOUS START POINT TO THIS START POINT																	
D	UNIFORM LOSS PREV. START POINT TO THIS START POINT																	
E	PIPE PRESSURE DROP FROM METER TO START POINT																	
F	CONTROLLING FIXTURE:																	
G	ELEV. DIFF. BETW. METER AND CONTROLLING FIXTURE	3 FEET	1	31.0	24.0	20.0	3	FEET	1	31.0	24.0	20.5	3	FEET	1	31.0	24.0	20.5
H	PRESSURE LOSS DUE TO WATER SOFTENER	7 PSIG	1 1/4	58.0	41.0	34.0	7	PSIG	1 1/4	58.0	41.0	34.0	7	PSIG	1 1/4	58.0	41.0	34.0
I	PRESSURE LOSS DUE TO MIMING VALVE	0 PSIG	1 1/2	107.0	68.0	55.0	7	PSIG	1 1/2	107.0	68.0	55.0	7	PSIG	1 1/2	107.0	68.0	55.0
J	PRESSURE AVAILABLE FOR PIPING PRESSURE DROP	38.3 PSIG	2	260.0	171.0	135.0	27.2	PSIG	2	260.0	171.0	135.0	24.3	PSIG	2	260.0	171.0	135.0
K	DEVELOPED LENGTH START PT. TO CONTR. FIXTURE	230 FEET	2 1/2	469.0	385.0	315.0	40	FEET	2 1/2	469.0	385.0	315.0	150	FEET	2 1/2	469.0	385.0	315.0
L	EQUIVALENT LENGTH START PT. TO CONTR. FIXTURE	345 FEET	3	752.0	655.0	555.0	60	FEET	3	752.0	655.0	555.0	225	FEET	3	752.0	655.0	555.0
M	PRESSURE AVAILABLE FOR UNIFORM LOSS	11.10 PSIG/100'	4	1792.0	1094.0	900.0	45.34	PSIG/100'	4	1792.0	1094.0	900.0	10.80	PSIG/100'	4	1792.0	1094.0	900.0

GENERAL NOTES:

- SEE FIXTURE UNIT SCHEDULE ON SHEET P2.0 FOR ROUNTOFF PIPING SIZE TO FIXTURE
- PIPING SIZED BASED ON TYPE L COPPER TUBING. IF CPVC OR PEX IS SUBSTITUTED RESIZE PER TABLE IN WATER CALCULATIONS.
- PIPING INDICATED AS PEX OR CPVC, SIZED AS PEX OR CPVC.

KEYNOTES:

- CONNECT TO EXISTING.

MATERIAL	BRANCH SIZE	FIXTURE FLOW (GPM)				
		0.5	1	1.5	2	2.5
TYPE L COPPER	1/2"	14	25	25	25	25
TYPE L COPPER	3/4"	7	13	20	25	25

NOT ALL FIXTURE FLOWS MAY BE ON PROJECT.

FIXTURE UNITS

NO.	FIXTURE	WASTE		TRAP SIZE	COLD WATER		HOT WATER		TOTAL WATER			
		UNITS	TOTAL		UNITS	TOTAL	UNITS	TOTAL	UNITS	TOTAL		
2	3/4" HOSEBIBB	-	-	-	4	3/4"	-	-	-	4	8	
17	BEVERAGE STATION	-	-	0.5	8.5	1/2"	-	-	-	0.5	8.5	
1	DISHWASHER	-	-	-	4	3/4"	-	-	-	4	4	
2	FLOOR DRAIN - 2"	2	4	2"	-	-	-	-	-	-	-	
6	FLOOR DRAIN - 3"	3	18	3"	-	-	-	-	-	-	-	
12	HUB DRAIN - 3"	4	48	3"	-	-	-	-	-	-	-	
1	HUB DRAIN - 4"	6	6	4"	-	-	-	-	-	-	-	
3	LAV	1	3	1 1/4"	0.5	1.5	1/2"	0.5	1.5	1/2"	1	3
1	SINK - BAR	3	3	1 1/4"	1.5	1.5	1/2"	1.5	1.5	1/2"	2	2
1	SINK - HAND WASH	1	1	1 1/2"	0.5	0.5	1/2"	0.5	0.5	1/2"	1	1
1	SINK - PREP	-	-	-	2	2	1/2"	2	2	1/2"	3	3
1	SINK - 3 COMPARTMENT	3	3	2"	2	2	1/2"	2	2	1/2"	3	3
1	SINK - SERVICE - 3"	3	3	3"	2	2	1/2"	2	2	1/2"	3	3
2	URINAL - WASHDOWN	2	4	-	2	4	3/4"	-	-	-	2	4
3	WATER CLO - TANK	6	18	-	3	9	1/2"	-	-	-	3	9
54	TOTAL		111			43			9.5		48.5	

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COLLABORATION
Kwik Trip
Kwik Star

PROJECT INFORMATION

PROPOSED RENOVATION FOR:
KWIK TRIP STORE #1511
4624 MONONA DRIVE • MADISON, WI 53716

PROFESSIONAL SEAL

SHEET DATES

ISSUE DATE NOV. 3, 2020

REVISIONS

NO.	DATE	DESCRIPTION

JOB NUMBER

2028580

SHEET NUMBER

P300