

MRV ARCHITECTS, INC.

5105 Tollview Dr., Suite 209, Rolling Meadows, IL 60008

Ph. (224) 318-2140 – Email: mariov@mrvarch.com

February 04, 2019

City of Waukesha Plan Commission
Community Development Department
201 Delafield Street, Room 200
Waukesha, WI 53188

Written Statement

The applicant, Albor Restaurant Group, intend to build Taco Bell franchise building with an accessory drive-thru on the current property at the above noted location. The brand will exist on the site as a freestanding building. As a part of the redevelopment, we are required to request a review of the Plan Commission for this property. We believe that the development and operation of the brand will enhance current property, while providing the typical Quick Services Restaurant service in a high-quality environment this brand is known to deliver.

The franchise group own and operate many drive-thru locations throughout the United States. The Albor Restaurant Group's upper management team consists of many multi-unit managers who have well over 15 years of Quick Service Restaurant experience each.

In general, this location qualifies for a new prototypical style for Taco Bell. They will be unveiling a new prototypical design for their respective building. This location has a full menu offering, and functions as a typical free-standing building. The total gross area of the proposed building comes out as 2,112 S.F.

We understand the sensitivity to create a building with an architecturally pleasing exterior appearance; but at the same time offering a comfortable and functional experience in the interior. The introduction of more modern elements to the building exterior work in conjunction with interior elements such as soft seating produces a very wholesome, and complete experience. Furthermore, the use of quality construction materials sets these buildings apart from other brands and as well as those within the same brand.

Items such as directional signs and a menu board are also essential to a well-functioning drive-thru facility and have been integrated into the overall site design. A drive-thru would be an added convenience for customers that are not intending on dining in. Both drive-thru lanes will be separated from the bypass traffic. To help ensure public safety, warning stripes are to be painted wherever pedestrians may come into contact with drive-thru traffic. The drive-thru speaker systems typically used are adjustable to comply with any village restrictions and can be accessed by a manager at any time as needed to control the volume. They can also be set for day and night sound levels to prevent any noise from carrying to the surrounding properties at the quieter hours of the night. For those that will be dining in, there are 18 parking stalls planned.

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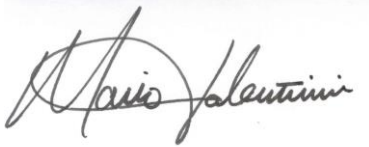
The hours of operation are intended to be for 7 days a week. The store could open as early as 7:00am and dining room would close at 11:00 pm. The drive-thru operation would be 7:00 am to 3:00 am on weekday and 4:00am on the weekends.

There will not be any alcohol served at this location.

Overall, the addition of this building and drive-thru will prove beneficial to the community by providing a valuable service. Taco Bell will be able to accommodate the customers as needed while having little disruption to the surrounding area. The exterior and interior lighting, signage, materials and proposed plan will maintain the character of the design and surrounding area while creating a more enjoyable experience. We look forward to presenting this project to you and hearing your feedback.

Please feel free to contact me with any further questions regarding the request for review.

Sincerely,

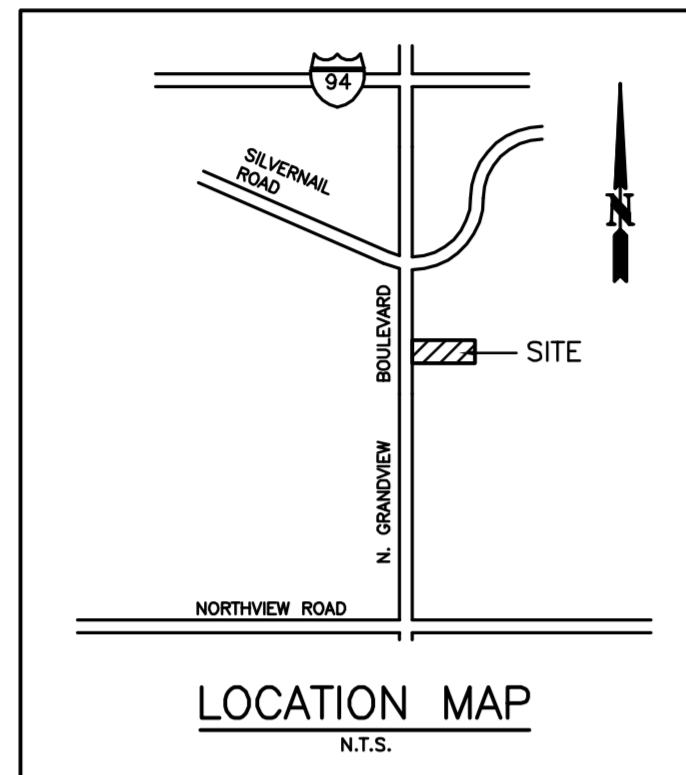
A handwritten signature in black ink that reads "Mario Valentini". The signature is written in a cursive style with a large, stylized initial "M".

Mario Valentini
Principal,
MRV Architects, Inc.

TACO BELL RESTAURANT

2707 N. GRANDVIEW BOULEVARD
WAUKESHA, WISCONSIN

SPECIAL NOTE:
THE CONTRACTOR SHALL AT ALL TIMES CONDUCT HIS WORK IN A MANNER AS TO MINIMIZE HAZARDS TO VEHICULAR AND PEDESTRIAN TRAFFIC. TRAFFIC CONTROLS AND WORK SITE PROTECTION SHALL BE IN ACCORDANCE WITH THE APPLICABLE REQUIREMENTS OF SECTION 643 TRAFFIC CONTROL OF THE WISDOT STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION, LATEST EDITION. ALL SIGNS, BARRICADES, FLAGGERS, ETC. REQUIRED FOR TRAFFIC CONTROL SHALL BE FURNISHED BY THE CONTRACTOR. ALL WORK IN THE N. GRANDVIEW BOULEVARD RIGHT OF WAY SHALL COMPLY WITH ALL WISDOT, WAUKESHA COUNTY DPW AND CITY OF WAUKESHA STANDARDS AND REQUIREMENTS.



GENERAL NOTES AND SPECIFICATIONS

- All material and construction shall comply with the requirements of the State of Wisconsin Department of Transportation "Standard Specifications for Highway and Structure Construction" latest edition, except as may be modified by the project plans and specifications.
- All underground construction shall comply with the requirements of the "Standard Specifications for Sewer and Water Construction in Wisconsin", latest edition, except as may be modified by the project plans and specifications.
- Water mains shall be protected in accordance with the requirements of the Wisconsin Administrative Code and the City of Waukesha. Where a sewer crosses a water main, a minimum vertical separation of 18" shall be provided between the top of the lower pipe and the bottom of the upper pipe. At crossings one full length of water pipe shall be centered on the sewer so that both joints will be as far away from the sewer as possible. Where this 18" vertical separation is not provided, the sewer shall be constructed to water main standards for a minimum of 10 feet on each side of the water main unless otherwise noted on the drawings. Minimum water main cover is 6.0 feet.
- All sewer and water main trenches under or within five feet of existing or proposed curbs, sidewalk, or pavement shall be backfilled with compacted porous granular backfill complying with WISDOT and City of Waukesha requirements.
- AT&T Wisconsin Telephone, WE Energies, Spectrum Business, and other utility company conduits are not necessarily shown on the drawings and must be located in the field prior to construction. Call Diggers Hotline (1-800-242-8511) at least 72 hours prior to the start of construction.
- Any pavement, walks, landscaping, or other improvements on adjoining properties disturbed by contractor's operations shall be replaced in kind at no additional cost.
- Valve vault, inlet basin and manhole covers and rings shall be set in workmanlike manner in mastic bed.
- All elevations shown are based on City of Waukesha datum.
- The City of Waukesha Engineering, Building, and Public Works Departments and Waukesha Water Utility shall be notified at least five working days prior to start of construction.
- All structures shall be clean at time of final acceptance at no additional charge.
- All work to meet all state and local codes and requirements.
- Water and sewer locations are shown on the drawing from the best available information and must be located in the field by the contractor prior to construction. Any discrepancy that the contractor may find with the plan shall be immediately reported to the Engineer for resolution prior to proceeding with construction.
- Valve vault lids shall be stamped "Water", storm manhole covers shall be stamped "Storm", and sanitary manhole covers shall be stamped "Sanitary". All lids shall also be stamped "Waukesha".
- Water service lines (3" and larger) to be cement-lined ductile iron, Class 52, conforming to ANSI specification A21.51 with push-on rubber gasket joints. All fittings to be cement-lined. Sterilization and pressure testing is included. All water service construction shall comply with the Wisconsin Administrative Code and the Waukesha Water Utility requirements.
- Water service lines (2" and smaller) shall be copper water tube, type K, soft temper for underground service conforming to ASTM B-88 and B251 and also conforming to all Waukesha Water Utility requirements.
- PVC sewer pipe shall be PVC SDR 26 pipe meeting the requirements of ASTM D3034 with flexible elastomeric joints per ASTM D3212, unless otherwise noted on the drawings.
- Class II embedment, with a minimum depth of 6" below the pipe and 12" above the pipe complying with City of Waukesha requirements shall be provided for all sewer construction.
- All floor drains shall be connected to the sanitary sewer system. All downspouts and footing drains shall discharge into the storm sewer system.
- "Band Seal" or similar flexible type couplings shall be used in the connection of sewer pipe of dissimilar materials.
- Concrete thrust blocks to prevent movement of water main under pressure shall be placed at all tees, valves, and bends of 11 1/4 degrees and greater.
- Reinforced concrete storm sewer pipe shall be ASTM C-76 with rubber gasket joints (ASTM C443), except as noted.
- When connecting to an existing sewer main by means other than an existing wye, tee, or an existing manhole, one of the following methods shall be used: A. Circular saw-cut of sewer main by proper tools ("Sewer-Top" machine or similar) and proper installation of hub-wye saddle or hub-tee saddle. B. Remove an entire section of pipe (breaking only the top of one bell) and replace with a wye or tee branch section. C. With pipe cutter, neatly and accurately cut out desired length of pipe for insertion of proper fitting, using "Band-Seal" or similar couplings to hold it firmly in place.
- The contractor(s) shall indemnify the owner, Northwestern Engineering Consultants, P. C. and the municipality, their agents, etc. from all liability involved with the construction, installation and testing of the work on this project.
- Existing grades and improvements are shown from the best information available and must be verified in the field by the contractor prior to the start of construction. Any discrepancy with the plan shall be reported to the engineer.
- All existing buildings, foundations, utilities, landscaping and other improvements on adjacent properties shall be protected at all times during construction. The contractor is responsible to provide and install any materials, equipment, and/or manpower necessary to accomplish this.
- All construction and traffic control within the street rights-of-way shall comply with all Wisconsin Department of Transportation, Waukesha County DPW and City of Waukesha requirements. The contractor is accountable for the safety of the motoring public and shall adhere to WISDOT standards for maintenance of traffic.
- The contractor is responsible for maintaining a clean construction area and shall remove debris resulting from his operations. Open trenches or other construction hazards shall be protected with barricades at the end of each day's operations.
- The contractor shall be responsible for compliance with all of the requirements of the Occupational Safety and Health Act including those requirements for open cut trenches and sheeting and bracing as required. At no time will the engineer or any of his employees be held liable, either directly or as third party participants to any litigation concerned with the construction project.
- Subgrade preparation for all pavements and other improvements shown on the drawings shall include topsoil stripping and removal of any underlying unstable/deleterious material. Fill placement under all paved areas shall be compacted to 95% Modified Proctor density and shall comply with all the recommendations of the soils engineer.
- All existing field drainage tile encountered or damaged during construction are to be restored to their original condition, properly resealed, and/or connected to the storm sewer system. The contractor shall keep a record of all locations of field drainage tile encountered.
- D.I. sewer pipe shall be ductile iron pipe, Class 52 conforming to ANSI specification A21.51 with push-on rubber gasket joints.
- Drainage from upstream properties shall not be blocked at any time in any manner by any of the proposed construction work shown on these drawings.
- All excess excavated material shall become the property of the contractor and shall be removed from the site and legally disposed of by him.
- All work shall comply with the Wisconsin Department of Natural Resources Wisconsin Construction Site Best Management Practices Handbook. The contractor shall take whatever steps are necessary to control erosion on the site. Erosion control features shall be constructed concurrently with other work on the site. The contractor shall take sufficient precaution to prevent pollution of streams, lakes and reservoirs with fuels, oils, bitumens, calcium chloride or other harmful materials. He shall conduct and schedule his operations so as to avoid or minimize siltation of streams, lakes and reservoirs. Hauling will not be allowed when the work site is too wet to maintain acceptable conditions on adjacent streets. Adjacent streets and driveways shall be manually or mechanically swept periodically as may be required to maintain clean conditions. Downstream inlet basins shall be protected with temporary inlet protection devices under the rims to prevent sediment from entering the storm sewer system—see detail, sheet C-8.
- The design engineer shall not be responsible for the means, methods, procedures, techniques, or sequences of construction not specified herein, nor for the safety on the job site, nor shall the design engineer be responsible for the contractor's failure to carry out the work in accordance with the contract documents.
- The contractor is advised that the site contains areas of trees and brush. He shall make his own investigation and shall include the cost of tree and brush removal in his total price bid. Any trees whose trunk is located on both sides of any Taco Bell property line shall remain and be protected, unless written permission is obtained from the adjoining property owner to remove said trees. Verify the exact scope of the landscape material removal/preservation with the landscape drawings.
- Any damage of perimeter street curbs and/or pavement caused by the contractor's activity shall be repaired by the contractor.
- Tracer wire for utilities to be #10 AWG copper. Color shall be blue for water, green for sanitary, brown for storm, and purple for non-potable water.

ALL MATERIAL AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF WAUKESHA STANDARD CONSTRUCTION SPECIFICATIONS, 2018 EDITION.

OPERATES 24 HOURS 365 DAYS
CALL DIGGERS HOTLINE 1-800-242-8511
WITH THE FOLLOWING:
COUNTY WAUKESHA COUNTY
CITY-TOWNSHIP WAUKESHA
SEC. & 1/4 SEC. NO. NEX 28-7-19
48 HOURS BEFORE YOU DIG EXCLUDING SAT., SUN. & HOLIDAYS

INDEX OF DRAWINGS

- C-1 TITLE SHEET
- C-2 SITE PLAN
- C-3 GRADING AND DRAINAGE PLAN
- C-4 UTILITY PLAN
- C-5 STORM WATER POLLUTION PREVENTION PLAN
- C-6 DETAILS
- C-7 DEMOLITION PLAN
- C-8 WISDOT & WISDNR DETAILS
- C-9 WISDOT & WISDNR DETAILS

BENCHMARK
BM NO.1=131.37=ELEVATION OF EAST UPPER FLANGE BOLT ON NORTH SIDE OF FIRE HYDRANT LOCATED 2 FEET EAST AND 1 FOOT NORTH OF THE SOUTHWEST TACO BELL PROPERTY CORNER. (CITY OF WAUKESHA DATUM).

DEVELOPER
MR. NEIL BORKAN
NJB OPERATIONS, INC.
302 SAUNDERS ROAD, SUITE 100
RIVERWOODS, IL 60015
847-955-1000

ARCHITECT
MR. MARIO VALENTINI
MRV ARCHITECTS, INC.
5105 TOLLVIEW DRIVE, SUITE 197
ROLLING MEADOWS, IL 60008
224-318-2140

EXISTING	LEGEND	PROPOSED
W=E631.75	WALK GRADE	W=631.75
C=E630.62	CURB GRADE	C=630.62
G=E630.06	GUTTER GRADE	G=630.39
P=E630.55	PAVEMENT GRADE	P=631.25
E632.26	GRADE	632.51
---	CONTOUR	630
=====	CONCRETE CURB	---
=====	CONC. CURB TO BE REMOVED	---
---	RETAINING WALL	---
---	SANITARY SEWER	---
---	STORM SEWER	---
W 12"	WATERMAIN	W 2"
-X-X-X-X-	CHAIN LINK FENCE	---
---	GUARD RAIL	---
---	DITCH FLOWLINE	---
⊙	MANHOLE	⊙
⊙	CATCH BASIN	⊙
⊙	INLET BASIN	⊙
⊙	DRY WELL	⊙
⊙	VALVE VAULT	⊙
⊙	VALVE BOX	⊙
⊙	LIGHT POLE	⊙
⊙	WOOD POLE	⊙
⊙	FIRE HYDRANT	⊙
---	DIRECTION OF DRAINAGE	---
---	CONCRETE WALK/PAVEMENT	---
---	SILT FENCE	---
---	DECIDUOUS TREE	---
---	PROPERTY LINE	---
E	UNDERGROUND ELECTRIC	---
G	GAS MAIN	---
T	UNDERGROUND TELEPHONE	---
F	UNDERGROUND FIBER OPTIC	---
CTV	UNDERGROUND CABLE TV	---
OH	OVERHEAD WIRES	---
---	OVERLAND FLOW ROUTE	---
---	WOOD FENCE	---

GENERAL DEVELOPMENT NOTES

- All work shall be performed in a manner so as not to unreasonably impair or interfere with the use, occupancy or enjoyment of, or with any business conducted on, any adjacent property.
- At all times during the performance of any Work all areas other than the construction site proper and the staging area shall be kept free from any loose dirt, debris, equipment or construction materials relating to the work.
- Upon completion of the Work, Constructing Party shall promptly restore the area to as good or better condition than existed before the use of the area commenced. Restoration shall include, without limitation, clearing the areas of all loose dirt, debris, equipment and construction materials, the repair or replacement of paving, striping and landscaping, and the repair or replacement of any and all damaged areas or improvements.

REVISIONS		
NO.	DATE	DESCRIPTION

Neil Borkan
1-17-19
WISCONSIN PROFESSIONAL ENGINEER

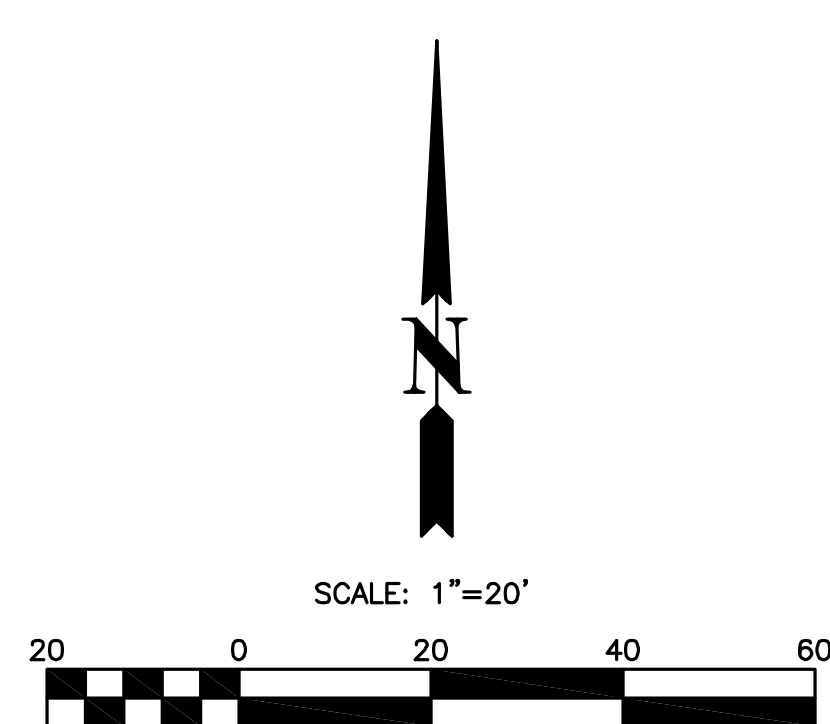
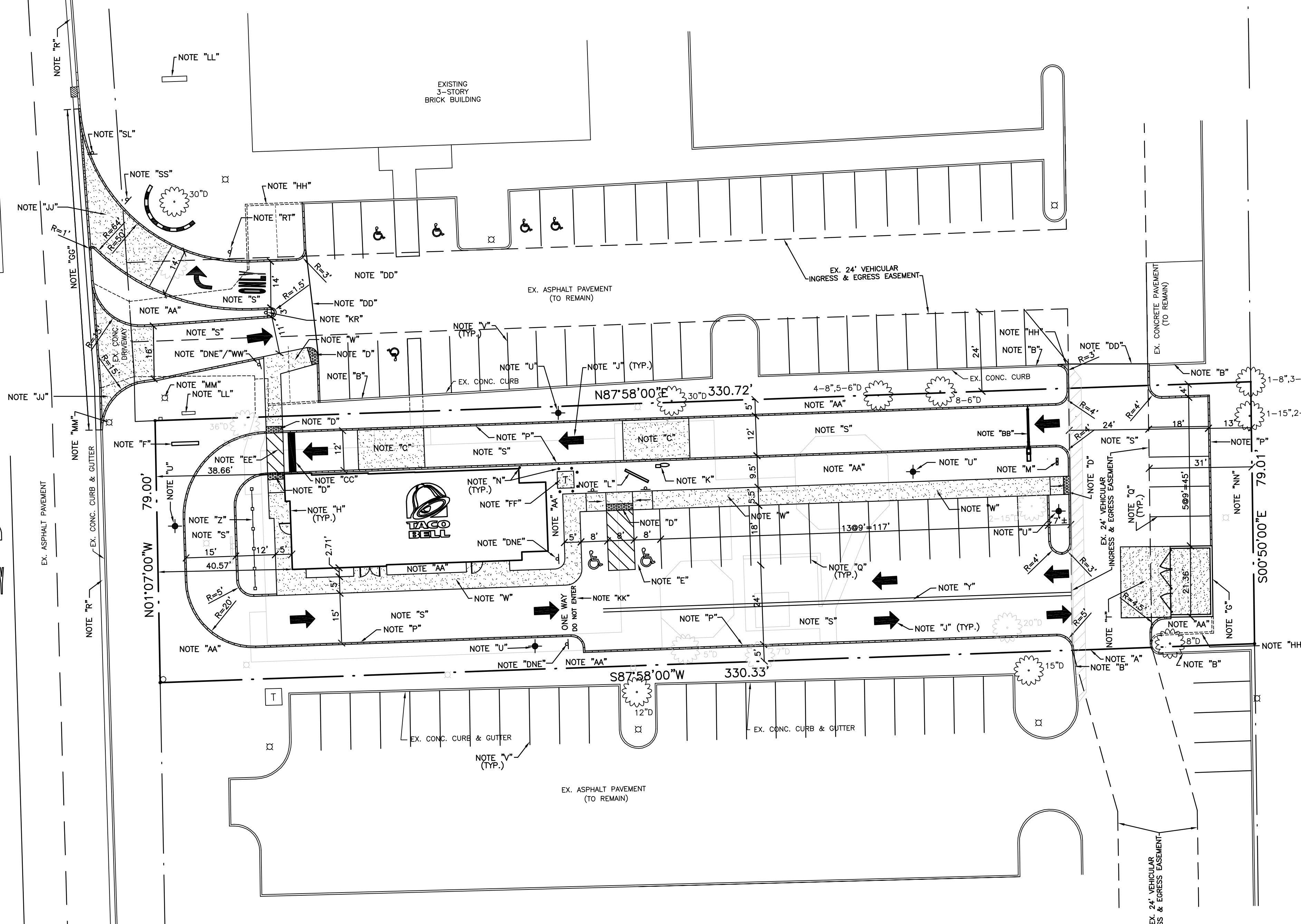
PREPARED BY
NORTHWESTERN ENGINEERING CONSULTANTS, P.C.
WISCONSIN ENGINEERING CORP LICENSE NUMBER 3525-11 EXPIRES 01/31/20
675 N. NORTH COURT
PALATINE, ILLINOIS 60067
(847) 520-8410
JANUARY 17, 2019

SPECIAL NOTE:
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OPERATES 24 HOURS 365 DAYS
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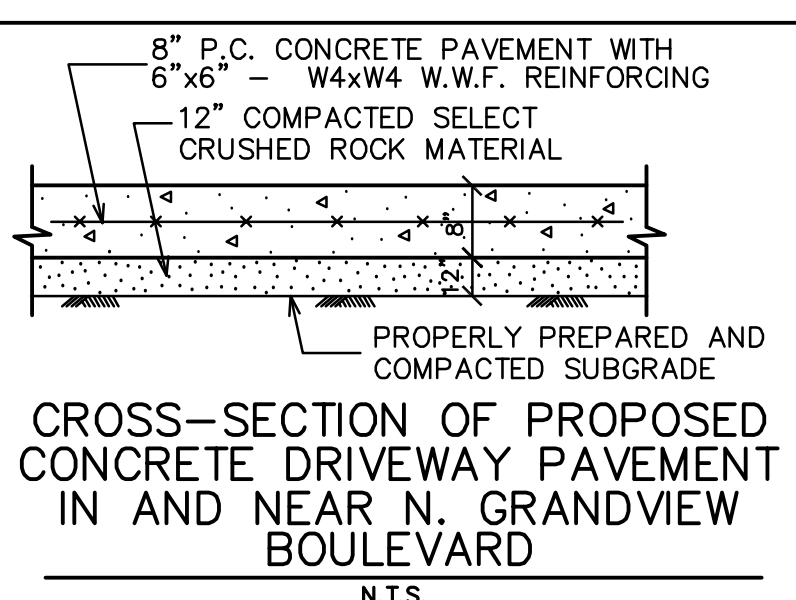
EXISTING WALGREENS DRIVEWAY

N. GRANDVIEW BLVD.



- NOTE "A": SAW CUT ALONG PROPERTY LINE TO PROVIDE CLEAN JOINT BETWEEN EXISTING AND NEW PAVEMENT.
- NOTE "B": EXISTING BARRIER CONCRETE CURB TO REMAIN.
- NOTE "C": CONCRETE PAVEMENT FOR 12' BY 20' DRIVE-THRU PAD SHALL BE MINIMUM OF 3,500 P.S.I. AIR ENTRAINED CONCRETE, 8" THICK, 6 BAG MIX WITH 6"x6"-W4xW4 W.W.F. ON 6" COMPACTED SELECT CRUSHED ROCK MATERIAL ON COMPACTED SUBGRADE (TYP.). SURFACE TO RECEIVE BROOM FINISH AND ONE SEAL COAT.
- NOTE "D": CONSTRUCT NEW HANDICAP RAMP IN ACCORDANCE WITH ALL CITY, STATE AND ADA REQUIREMENTS (TYPICAL). RAMP SHALL HAVE TRUNCATED DOME DETECTABLE WARNING SURFACE IN YELLOW COLOR. (SEE DETAIL).
- NOTE "E": PROPOSED HANDICAPPED PARKING STALL WITH PAINTED SYMBOL AND PAVEMENT MEETING ALL STATE OF WISCONSIN AND ADA REQUIREMENTS.
- NOTE "F": PROPOSED MONUMENT SIGN. SEE ARCHITECTURAL DRAWINGS.
- NOTE "G": PROPOSED TRASH ENCLOSURE. SEE ARCHITECTURAL DRAWINGS FOR DETAILS AND DIMENSIONS.
- NOTE "H": WHERE CONCRETE WALK OR PAVEMENT IS ADJACENT TO FOUNDATION WALL, INSTALL COMPRESSIBLE FILLER (1/4" MAXIMUM) BETWEEN PAVEMENT AND FOUNDATION WALL. CUT BACK AND PROVIDE SEALANT AT BUILDING WALL.
- NOTE "I": PAINTED TRAFFIC ARROW (TYP.).
- NOTE "J": PROPOSED SPEAKER POST AND CANOPY. SEE ARCHITECTURAL DRAWINGS.
- NOTE "K": PROPOSED MENU BOARD. SEE ARCHITECTURAL DRAWINGS.
- NOTE "L": PROPOSED DIRECTIONAL SIGN. SEE ARCHITECTURAL DRAWINGS.
- NOTE "M": PROPOSED PIPE BOLLARD.
- NOTE "N": PROPOSED CONCRETE PARKING LOT CURB. SEE DETAIL ON SHEET C-6.
- NOTE "O": PROPOSED PAVEMENT STRIPING.
- NOTE "P": EXISTING BARRIER CONCRETE CURB AND GUTTER TO REMAIN.
- NOTE "Q": PROPOSED ASPHALT PAVEMENT. SEE DETAIL, SHEET C-6.
- NOTE "R": CONCRETE PAVEMENT FOR TRASH ENCLOSURE AND APRON SHALL BE MINIMUM OF 3,500 P.S.I. AIR ENTRAINED CONCRETE, 8" THICK, 6 BAG MIX WITH 6"x6"-W4xW4 W.W.F. ON 6" COMPACTED SELECT CRUSHED ROCK MATERIAL ON COMPACTED SUBGRADE (TYP.). SURFACE TO RECEIVE BROOM FINISH AND ONE SEAL COAT.
- NOTE "S": PROPOSED LIGHT POLE (TYP.). SEE ARCHITECTURAL DRAWINGS.
- NOTE "T": EXISTING PAVEMENT STRIPING TO REMAIN.
- NOTE "U": PROPOSED PERIMETER TYPE CONCRETE SIDEWALK. SEE DETAIL, SHEET C-6.
- NOTE "V": PROPOSED 2'-4" YELLOW PAINTED LINES @11" C-C.
- NOTE "W": PROPOSED DECORATIVE FENCE. SEE ARCHITECTURAL DRAWINGS.
- NOTE "X": PROPOSED CLEARANCE BAR. SEE ARCHITECTURAL DRAWINGS.
- NOTE "Y": PROPOSED 24" WIDE WHITE PAINTED STOP BAR.
- NOTE "Z": SAW CUT EXISTING ASPHALT PAVEMENT AS REQUIRED TO PROVIDE CLEAN JOINT BETWEEN EXISTING AND NEW PAVEMENT.
- NOTE "AA": PROPOSED PAVEMENT STRIPING, 4" WIDE LINES AT 45, 3' O.C.
- NOTE "AB": PROPOSED CONCRETE PAD FOR ELECTRICAL TRANSFORMER. SEE ELECTRICAL DRAWINGS.
- NOTE "AC": SAW CUT AND REMOVE EXISTING CONCRETE CURB AND GUTTER ACROSS EXISTING AND NEW DRIVEWAYS AS INDICATED. REPLACE WITH NEW DEPRESSED CONCRETE CURB AND GUTTER ACROSS THE PROPOSED DRIVEWAY, AND NEW BARRIER CONCRETE CURB AND GUTTER ADJACENT TO THE PARKWAY, MATCHING EXISTING CURB AND GUTTER. NEW FLOW LINE SHALL MATCH EXISTING FLOW LINE.
- NOTE "AD": EXISTING CONCRETE CURB TO BE SAW CUT AND REMOVED.
- NOTE "AE": THE PORTION OF THE NEW DRIVEWAY IN AND NEAR THE N. GRANDVIEW BOULEVARD RIGHT OF WAY SHALL CONSIST OF A MINIMUM OF 3,500 P.S.I. AIR ENTRAINED CONCRETE, 8" THICK, 6 BAG MIX WITH 6"x6"-W4xW4 W.W.F. ON 12" COMPACTED SELECT CRUSHED ROCK MATERIAL ON COMPACTED SUBGRADE (TYP.). SURFACE TO RECEIVE BROOM FINISH AND ONE SEAL COAT.
- NOTE "AF": PROPOSED 2' TALL PAINTED LETTERS READING "ONE WAY DO NOT ENTER".
- NOTE "AG": EXISTING SILVERIAL WOODS OFFICE PARK SIGN TO REMAIN.
- NOTE "AH": EXISTING LIGHT POLE TO REMAIN.
- NOTE "AI": EXISTING WOODED AREA TO REMAIN.

PROPOSED TRAFFIC SIGN SCHEDULE
NOTE "SS" - PROPOSED 24"x24" R1-1 STOP SIGN MOUNTED ON METAL POST.
NOTE "DNE"/"WV" - PROPOSED 24"x24" R5-1 DO NOT ENTER SIGN MOUNTED ON TOP OF A R5-1a 30" X 18" WRONG WAY SIGN MOUNTED ON METAL POST.
NOTE "DNE" - PROPOSED 24"x24" R5-1 DO NOT ENTER SIGN MOUNTED ON METAL POST.
NOTE "RT" - PROPOSED 18"x24" R3-5 RIGHT TURN ONLY SIGN MOUNTED ON METAL POST.
NOTE "KR" - PROPOSED 18"x24" R4-7 KEEP RIGHT SIGN MOUNTED ON METAL POST.
NOTE "SL" - EXISTING "SIGNAL AHEAD" SIGN TO BE RELOCATED BY THE TACO BELL CONTRACTOR TO A LOCATION DETERMINED IN THE FIELD BY THE WAUKESHA COUNTY HIGHWAY DEPARTMENT.



PARKING PROVIDED ON PARCEL
18 STANDARD STALLS (9')
2 HANDICAP STALLS (16')
20 STALLS PROVIDED

NOTE: ALL TRAFFIC SIGNS ARE TO BE INSTALLED AT 7' MEASURED FROM THE GROUND ELEVATION TO THE BOTTOM OF THE SIGN.

NOTE: SEE ARCHITECTURAL DRAWINGS FOR EXACT BUILDING DIMENSIONS, PARKING LOT LIGHTING, SIGNAGE, DRIVE-THRU FACILITY DETAILS AND LANDSCAPING.

NOTE: ALL DIMENSIONS ARE TO THE FACE OF SIDEWALK OR FACE OF CURB UNLESS OTHERWISE NOTED.

PAVEMENT MARKING (STRIPING) FOR PARKING LOTS
A. After paving operations are completed, or when directed by the General Contractor, marking as designated on the drawings may proceed. Marking shall consist of 4" wide lines configured as indicated on drawings in Traffic Yellow color. Traffic paint shall be manufactured by Sherwin Williams, or approved equal. Apply in strict conformance with manufacturer's instructions.
B. Paint striping work shall include painting of international handicap symbol at designated parking for handicapped, as indicated on drawings.
C. Protect area against traffic for at least 48 hours after application of striping.

CIVIL ENGINEERS SITE PLANNERS LAND SURVEYORS
NORTHWESTERN ENGINEERING CONSULTANTS, P.C.
675 N. NORTH COURT PALATINE, ILLINOIS 60067 (847) 520-8410
WISCONSIN ENGINEERING CORP LICENSE NUMBER 3525-11 EXPIRES 01/31/20

SITE PLAN
TACO BELL RESTAURANT
2707 N. GRANDVIEW BOULEVARD
WAUKESHA, WISCONSIN

NO.	DATE	DESCRIPTION

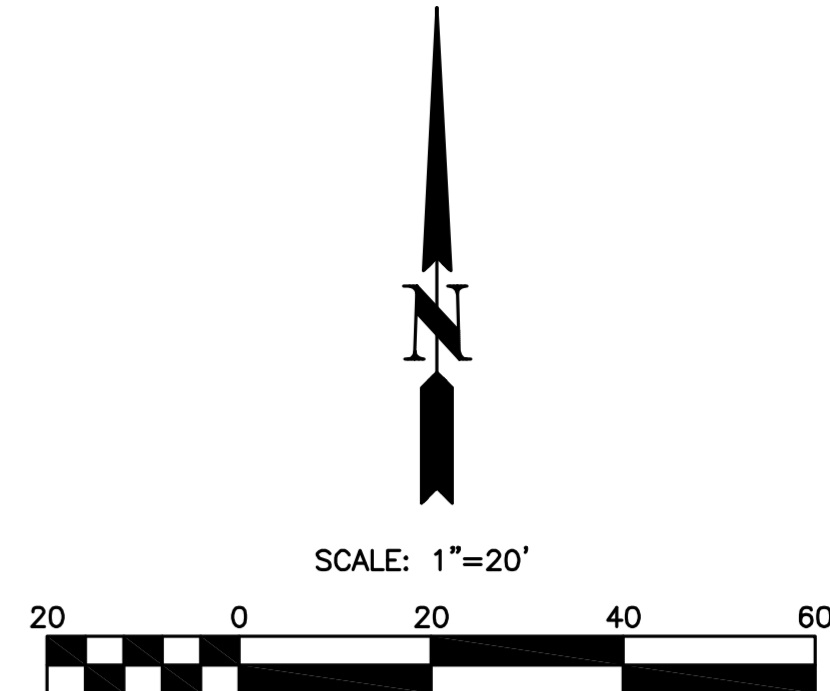
DRAWN BY: KRL
CHECKED BY: DMH
DATE: 1-17-19
SCALE: 1"=20'

DRAWING NO. C-2
JOB NO. 18-16

SPECIAL NOTE:
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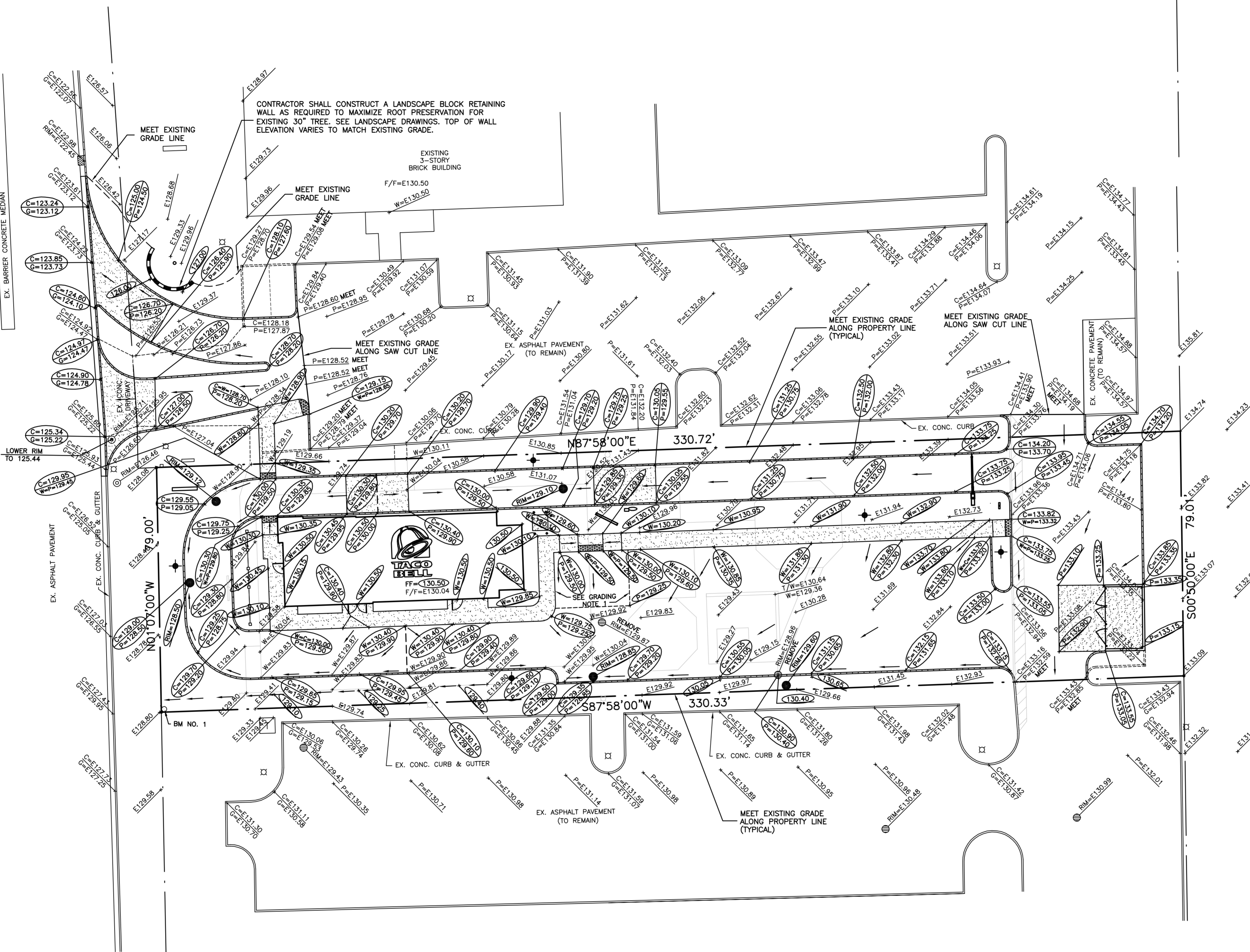
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CITY-TOWNSHIP WAUKESHA
SEC. & 1/4 SEC. NO.# NE4 28-7-19
48 HOURS BEFORE YOU DIG EXCLUDING SAT., SUN. & HOLIDAYS



GRADING NOTES
1. ACCESSIBLE PARKING SPACES AND THEIR ADJOINING ACCESS AISLES SHALL NOT EXCEED 2.0% SLOPE IN ANY DIRECTION.
2. ACCESSIBLE PEDESTRIAN ROUTES SHALL NOT EXCEED 2.0% CROSS SLOPE OR 5.0% RUNNING SLOPE, EXCEPT FOR CURB RAMPS WHICH SHALL NOT HAVE A RUNNING SLOPE GREATER THAN 8.33%.
3. ALL GRASS/LANDSCAPED AREAS SHALL BE UNIFORMLY GRADED TO DRAIN WITH POSITIVE DRAINAGE.

N. GRANDVIEW BLVD.



F/F=E131.50

THE DESIGN OF ELECTRICAL, MECHANICAL, PLUMBING, AND HVAC SYSTEMS IS BASED ON THE ASSUMPTIONS AND INFORMATION PROVIDED BY THE CLIENT. THE ENGINEER MAKES NO WARRANTY, EITHER EXPRESSED OR IMPLIED, REGARDING THE ACCURACY OF THE DATA, INFORMATION, OR RECORDS PROVIDED TO THE ENGINEER. THE ENGINEER'S RESPONSIBILITY IS LIMITED TO THE DESIGN OF THE SYSTEMS AND DOES NOT INCLUDE THE CONSTRUCTION OF THE SYSTEMS. THE CLIENT IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. THE ENGINEER'S DESIGN IS BASED ON THE ASSUMPTIONS AND INFORMATION PROVIDED BY THE CLIENT. THE ENGINEER MAKES NO WARRANTY, EITHER EXPRESSED OR IMPLIED, REGARDING THE ACCURACY OF THE DATA, INFORMATION, OR RECORDS PROVIDED TO THE ENGINEER. THE ENGINEER'S RESPONSIBILITY IS LIMITED TO THE DESIGN OF THE SYSTEMS AND DOES NOT INCLUDE THE CONSTRUCTION OF THE SYSTEMS. THE CLIENT IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.

CIVIL ENGINEERS SITE PLANNERS LAND SURVEYORS

NORTHWESTERN ENGINEERING CONSULTANTS, P.C.

675 N. NORTH COURT PALATINE, ILLINOIS 60067 (847) 520-8410
WISCONSIN ENGINEERING CORP LICENSE NUMBER 3525-11 EXPIRES 01/31/20

GRADING AND DRAINAGE PLAN
TACO BELL RESTAURANT
2707 N. GRANDVIEW BOULEVARD
WAUKESHA, WISCONSIN

NO.	DATE	DESCRIPTION

DRAWN BY: KRL
CHECKED BY: DMH
DATE: 1-17-19
SCALE: 1"=20'

DRAWING NO.
C-3

JOB NO.
18-16

SPECIAL NOTE:
Existing grades and improvements are shown from the best information available and must be verified in the field by the contractor prior to the start of construction. Any discrepancy with the plan shall be immediately reported to the engineer.

OPERATES 24 HOURS 365 DAYS

CALL DIGGERS HOTLINE 1-800-242-8511
WITH THE FOLLOWING:
WAUKESHA COUNTY
CITY-TOWNSHIP WAUKESHA
SEC. & 1/4 SEC. NO. # NE 28-7-19
48 HOURS BEFORE YOU DIG EXCLUDING SAT., SUN. & HOLIDAYS

BENCHMARK
BM NO.1=131.37=ELEVATION OF EAST UPPER FLANGE BOLT ON NORTH SIDE OF FIRE HYDRANT LOCATED 2 FEET EAST AND 1 FOOT NORTH OF THE SOUTHWEST TACO BELL PROPERTY CORNER. (CITY OF WAUKESHA DATUM).

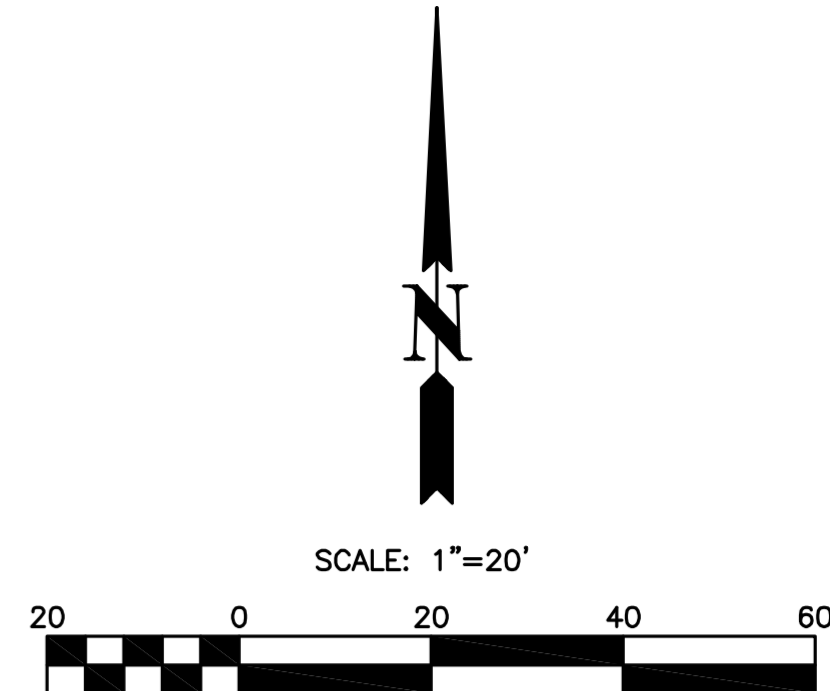
SPECIAL NOTE
The locations of existing underground utilities, such as water mains, sewers, gas lines, electric lines, telephone lines, etc., as shown on the plans have been determined from the best available information and is given for the convenience of the contractor. However, the engineer and owner do not assume responsibility for the accuracy of the locations shown. It shall be the contractor's responsibility to contact all utility companies and their facilities shall be located prior to any work.

NOTE:
Prior to the start of construction, the contractor shall expose any utilities or other obstructions to be crossed by the proposed sewer, and shall notify the engineer immediately if there are any conflicts with the proposed sewer grade.

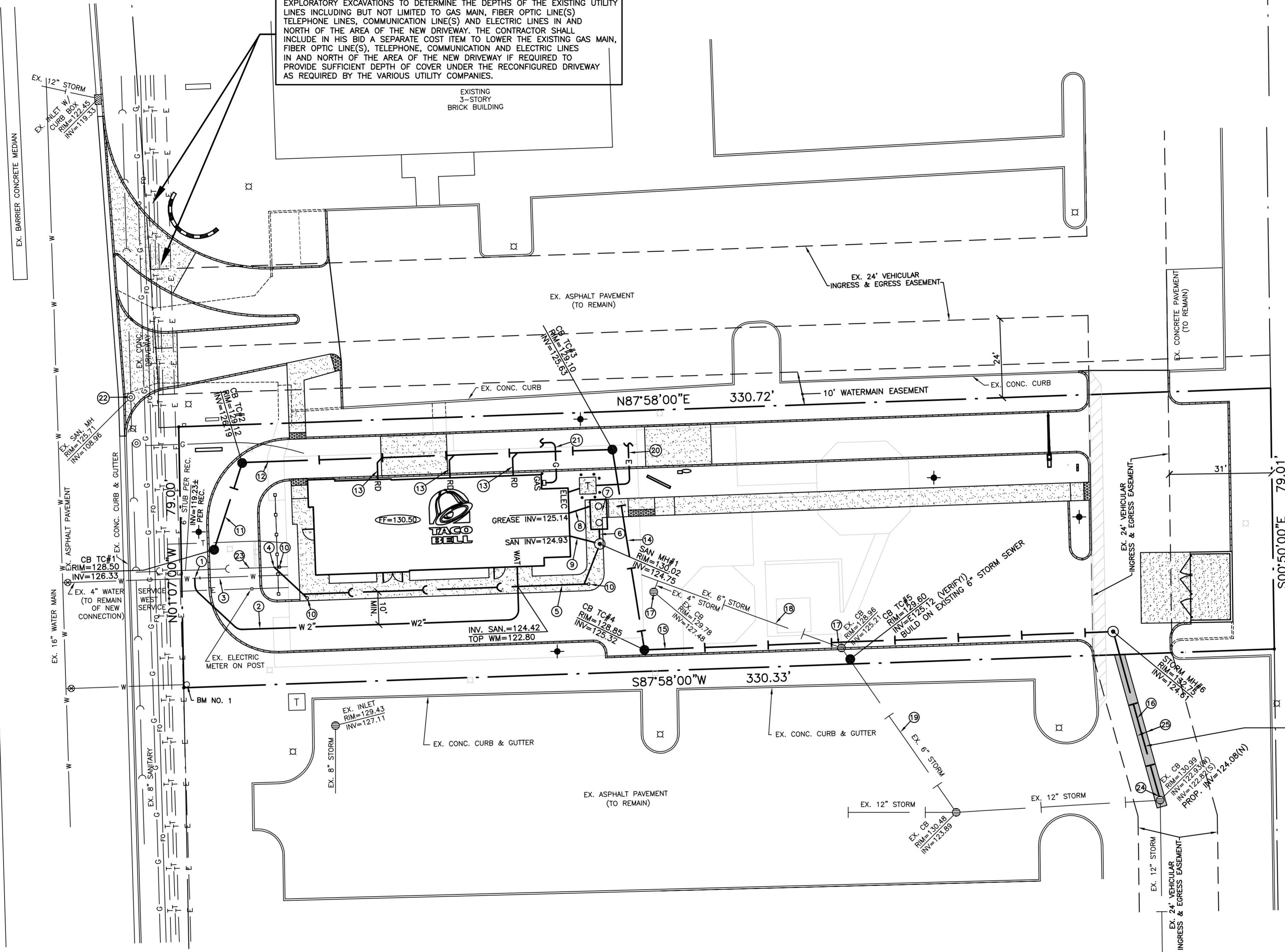
NOTE: PRIOR TO START OF CONSTRUCTION, THE CONTRACTOR SHALL HAVE EXISTING UNDERGROUND UTILITIES IN AND NORTH OF THE AREA OF THE NEW DRIVEWAY MARKED. THE CONTRACTOR SHALL THEN PERFORM EXPLORATORY EXCAVATIONS TO DETERMINE THE DEPTHS OF THE EXISTING UTILITY LINES INCLUDING BUT NOT LIMITED TO GAS MAIN, FIBER OPTIC LINE(S), TELEPHONE LINES, COMMUNICATION LINE(S) AND ELECTRIC LINES IN AND NORTH OF THE AREA OF THE NEW DRIVEWAY. THE CONTRACTOR SHALL INCLUDE IN HIS BID A SEPARATE COST ITEM TO LOWER THE EXISTING GAS MAIN, FIBER OPTIC LINE(S), TELEPHONE, COMMUNICATION AND ELECTRIC LINES IN AND NORTH OF THE AREA OF THE NEW DRIVEWAY IF REQUIRED TO PROVIDE SUFFICIENT DEPTH OF COVER UNDER THE RECONFIGURED DRIVEWAY AS REQUIRED BY THE VARIOUS UTILITY COMPANIES.

GENERAL NOTES

1. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF EACH BUILDING UTILITY SERVICE LINE FROM THE PLUMBING AND/OR MECHANICAL DRAWINGS AND SHALL COORDINATE UTILITY SERVICE LINE LOCATION WITH SAME.
2. CONTRACTOR SHALL COORDINATE ALL WORK WITH UTILITY COMPANIES (SEWER, WATER, ELECTRIC, GAS, TELEPHONE, ETC.)
3. ANY EXISTING SEWER, WATER OR OTHER UTILITY LINES OR STRUCTURES (MANHOLES, ETC.) UNDER OR WITHIN 10' OF THE PROPOSED BUILDING OR TRASH ENCLOSURE SHALL BE REMOVED. PLUG ENDS OF REMAINING UTILITY LINES, BACKFILL TRENCHES WITH SELECTED GRANULAR BACKFILL, COMPACTED TO 95% OF MODIFIED PROCTOR MAXIMUM DENSITY IN 8" LIFTS.



N. GRANDVIEW BLVD.



- UTILITY NOTES**
- 1 MAKE 2" WATER SERVICE CONNECTION TO EXISTING 4" DUCTILE IRON WATER SERVICE LINE IN ACCORDANCE WITH ALL CITY OF WAUKESHA WATER UTILITY REQUIREMENTS. PROVIDE CONNECTION HARDWARE AS APPROPRIATE. PRIOR TO START OF CONSTRUCTION CONTRACTOR SHALL EXPOSE THE WATER SERVICE LINE TO CONFIRM THE LOCATION, SIZE AND MATERIAL OF THE EXISTING WATER SERVICE LINE.
 - 2 1/4" LF 2" TYPE "K" COPPER WATER SERVICE.
 - 3 EXISTING WATER SERVICE LINE TO BE ABANDONED EAST OF NEW SERVICE CONNECTION. PROVIDE WATERTIGHT D.I. PLUG AND CONCRETE THRUST BLOCK AT END OF 4" PIPE.
 - 4 CONTRACTOR TO DETERMINE EXISTING INVERT ELEVATION AT THIS LOCATION PRIOR TO THE START OF CONSTRUCTION. FOR THE PURPOSES OF THIS PLAN, THE INVERT ELEVATION HAS BEEN ASSUMED TO BE 123.85. NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCY. MAKE WATERTIGHT CONNECTION TO EXISTING 6" SANITARY SEWER SERVICE LINE IN ACCORDANCE WITH ALL CITY OF WAUKESHA REQUIREMENTS. INSTALL NEW CLEAN OUT. EXISTING SANITARY SERVICE LINE TO BE PLUGGED, BLOCKED AND ABANDONED EAST OF NEW CLEAN OUT.
 - 5 110 LF 6" PVC SAN. SEWER SDR 26 S=1.00%
 - 6 5 LF 6" PVC SAN. SEWER SDR 26 S=5.00%
 - 7 PROPOSED 1000 GALLON GREASE TRAP. SEE DETAIL SHEET C-6. RIM(N)=130.02; RIM(N)=130.07; INV=125.00
 - 8 7 LF 6" PVC SAN. SEWER SDR 26 S=2.00%
 - 9 9 LF 6" PVC SAN. SEWER SDR 26 S=2.00%
 - 10 EXTERIOR CLEAN OUT. SEE DETAIL SHEET C-6.
 - 11 28 LF 8" PVC STORM SEWER SDR 26 S=0.50%
 - 12 112 LF 8" PVC STORM SEWER SDR 26 S=0.50%
 - 13 8 LF 6" PVC STORM SEWER SDR 26 S=1.00% CONNECTED TO ROOF DRAIN.
 - 14 62 LF 10" PVC STORM SEWER SDR 26 S=0.50%
 - 15 142 LF 12" PVC STORM SEWER SDR 26 S=0.50%
 - 16 53 LF 12" PVC STORM SEWER SDR 26 S=1.00%
 - 17 EXISTING CATCHBASIN TO BE REMOVED. BACKFILL TRENCH PER GENERAL NOTE 3, THIS SHEET.
 - 18 EXISTING STORM SEWER TO BE REMOVED. BACKFILL TRENCH PER GENERAL NOTE 3, THIS SHEET.
 - 19 PORTION OF EXISTING 6" STORM SEWER DOWNSTREAM OF PROPOSED CB TC#5 TO REMAIN. CONTRACTOR SHALL INSPECT AND CLEAN AS NECESSARY TO VERIFY STORM SEWER IS IN GOOD AND OPERATING CONDITION.
 - 20 ELECTRIC SERVICE SIZED AND ROUTED BY WE ENERGIES.
 - 21 GAS SERVICE SIZED AND ROUTED BY WE ENERGIES.
 - 22 EXISTING MANHOLE TO BE ADJUSTED. RIM=125.71; LOWER RIM TO 125.44. CONTRACTOR SHALL VERIFY THAT EXISTING FRAME AND LID ARE HEAVY DUTY, TRAFFIC BEARING. REMOVE FRAME AND LID AND REPLACE WITH NEEHAH R-1661 W/TYPE "B" LID, STAMPED "SANITARY" AND "WAUKESHA", OR EQUAL. IF EXISTING FRAME AND LID NOT HEAVY DUTY TRAFFIC BEARING.
 - 23 PORTION OF EXISTING 6" SANITARY SEWER SERVICE LINE DOWNSTREAM OF NEW SERVICE CONNECTION TO REMAIN. CONTRACTOR SHALL INSPECT AND CLEAN AS NECESSARY TO VERIFY SANITARY SEWER SERVICE LINE IS IN GOOD AND OPERATING CONDITION.
 - 24 MAKE WATERTIGHT CONNECTION TO EXISTING CATCH BASIN, INV=124.08(N).
 - 25 SAW CUT, REMOVE AND REPLACE IN KIND EXISTING ASPHALT PAVEMENT AS REQUIRED FOR UTILITY INSTALLATION.

CONTRACTOR SHALL VERIFY THAT TACO BELL HAS PERMISSION TO DO THIS WORK ON THE ADJOINING PROPERTY TO THE SOUTH PRIOR TO COMMENCING THIS WORK.

THE DESIGN OF ALL UTILITIES, INCLUDING BUT NOT LIMITED TO, WATER MAINS, SANITARY SEWERS, STORM SEWERS, GAS LINES, ELECTRIC LINES, TELEPHONE LINES, AND FIBER OPTIC LINES, IS THE RESPONSIBILITY OF THE ENGINEER. THE ENGINEER MAKES NO WARRANTY, EITHER EXPRESSED OR IMPLIED, REGARDING THE ACCURACY OF THE INFORMATION PROVIDED IN THIS DRAWING. THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND COORDINATING WITH ALL UTILITY COMPANIES. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL UTILITIES AT ALL TIMES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL UTILITIES AND STRUCTURES NOT SHOWN ON THIS DRAWING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND COORDINATING WITH ALL UTILITY COMPANIES. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL UTILITIES AT ALL TIMES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL UTILITIES AND STRUCTURES NOT SHOWN ON THIS DRAWING.

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WISCONSIN ENGINEERING CORP LICENSE NUMBER 3525-11 EXPIRES 01/31/20

UTILITY PLAN

TACO BELL RESTAURANT

2707 N. GRANDVIEW BOULEVARD

WAUKESHA, WISCONSIN

NO.	DATE	DESCRIPTION

DRAWN BY: KRL
CHECKED BY: DMH
DATE: 1-17-19
SCALE: 1"=20'

DRAWING NO. C-4
JOB NO. 18-16

SPECIAL NOTE:
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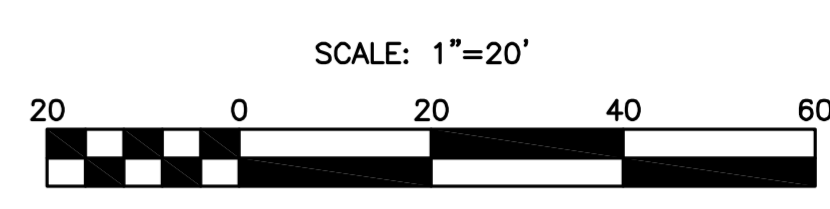
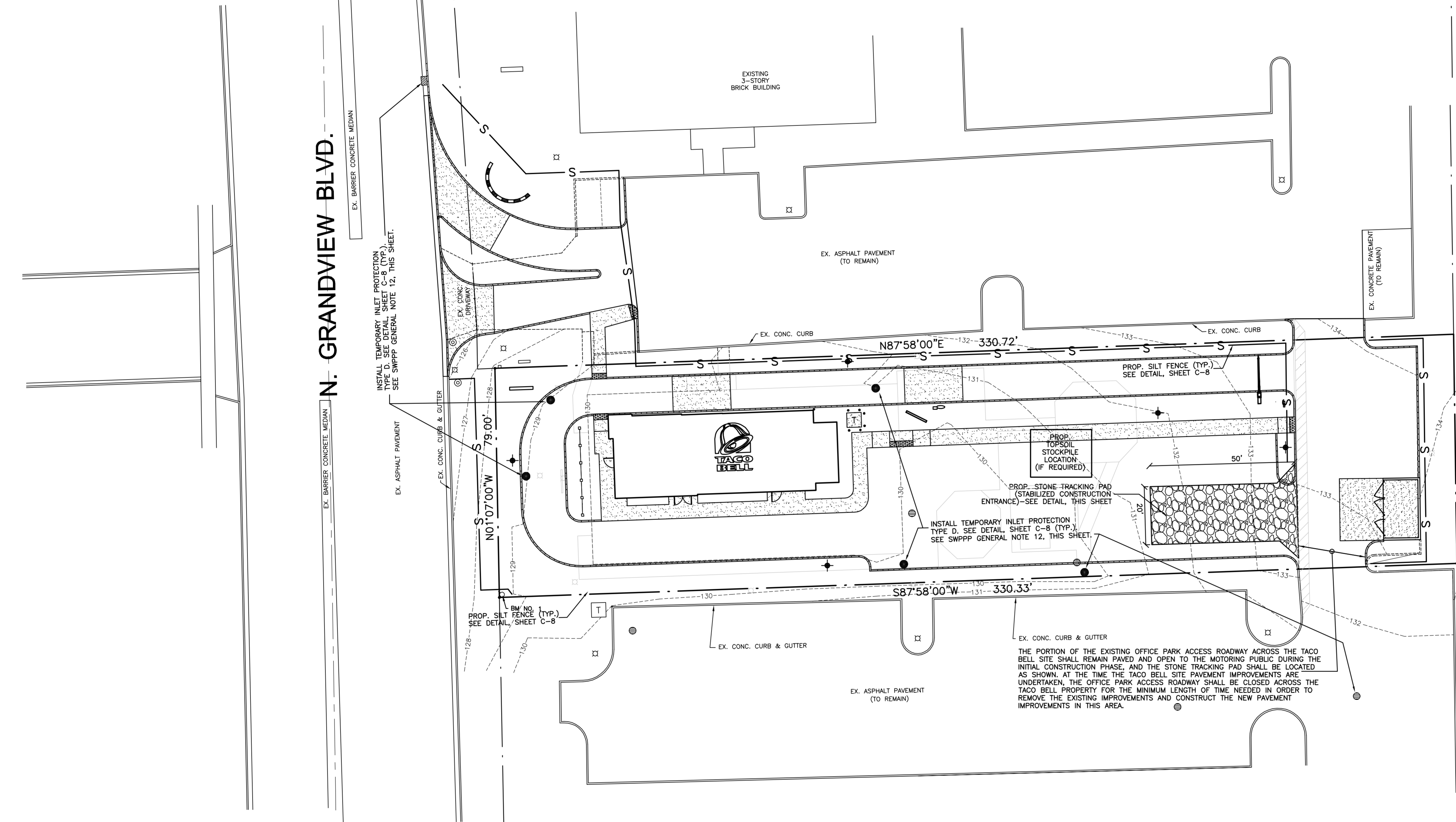
OPERATES 24 HOURS 365 DAYS

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WITH THE FOLLOWING:
COUNTY WAUKESHA COUNTY
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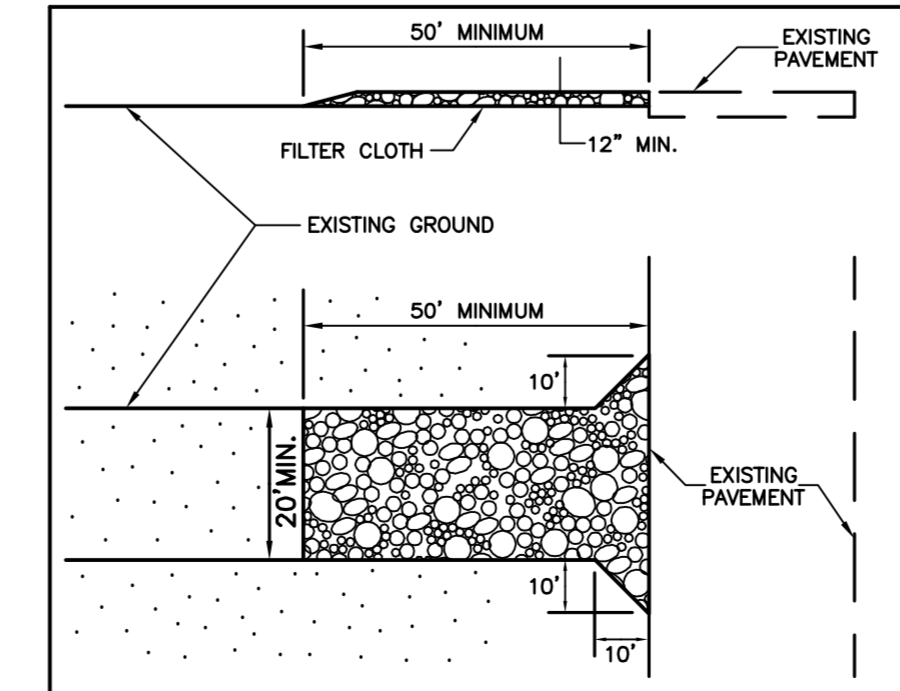
- STORM WATER POLLUTION PREVENTION PLAN GENERAL NOTES**
- This Storm Water Pollution Prevention Plan has been prepared in compliance with the requirements of the City of Waukesha and the State of Wisconsin. The work to be done is striping, stockpiling and grading of the project site shown in detail on the contract drawings. The following notes and requirements shall apply to work performed on this project:
- Soil Erosion and sediment control features shall be constructed prior to the commencement of upland disturbance.
 - Hauling will not be allowed when the work site is too wet to maintain acceptable conditions on adjacent streets.
 - Adjacent streets will be manually or mechanically swept periodically as may be required, minimum at end of each working day or as directed by City Inspector. All streets are to be kept free from mud and debris.
 - Each catch basin will be installed with a rim as indicated on the drawings. The rim shall be set at final grade. A temporary 1 foot deep sump shall be excavated in a 13 foot diameter area around the structure to act as a silt trap. Both sumps will be inspected after each rain and cleaned as required.
 - Soil stockpile areas shall be designated and surrounded by a geotextile fabric silt fence to intercept sediment-laden runoff from the stockpile. The fence shall be continuously maintained and sediment shall be removed to restore planned capacity as required.
 - If the stockpiles will not be used for construction activity for a period of more than 14 days, they shall be protected with temporary vegetative cover.
 - No material from construction site shall be discharged to the storm sewer.
 - The contractor shall take whatever other steps are deemed necessary by the City Inspector to prevent erosion from taking place during the course of the construction project.
 - The contractor shall comply with all requirements of this plan and shall include the cost of such compliance in the total price bid for his contract.
 - All temporary and permanent erosion control measures must be maintained and repaired as needed. Erosion control features shall be inspected every 7 days or after 1/2" of rainfall. The general contractor will be responsible for inspection and repair during construction. The owner will be responsible if erosion control is required after the contractor has completed the project.
 - All work shall comply with Wisconsin Department of Natural Resources Stormwater Construction Technical Standards and Construction Practice Standards and all City of Oconomowoc requirements.
 - Install storm drain inlet protection device under the rim of each new and existing impacted storm structure to prevent eroded material from entering the storm sewer system during the construction project. Storm drain inlet protection devices shall be checked weekly and within 24 hours after every rain that produces 0.5 inches of rain or more during a 24 hour period and replaced if covered with dirt or torn. The contractor shall use extreme care not to allow eroded material to enter the storm structure when removing or changing the storm drain inlet protection device.
 - Watering shall be used as required to control dust on the project. A water truck shall be kept on the site at all times during mass earthwork construction, if required by the City.
 - The name, address and telephone number of the individual in responsible charge of erosion control measures during the construction project shall be given to the City Public Works Department prior to the start of construction.
 - Disturbed areas shall be protected with seeding according to the "Typical Soil Protection Chart" on this sheet.
 - All erosion control measures and inspections shall be documented on site in the site superintendent's log book.
 - A copy of the approved Storm Water Pollution Prevention Plan shall be maintained on the site at all times.
 - All wash water (concrete trucks, vehicle cleaning, equipment cleaning, etc.) shall be detained and properly treated or disposed of.
 - Rubbish, trash, garbage, litter, or other such materials shall be deposited into sealed containers. Materials shall be prevented from leaving the premises through the action of wind or stormwater discharge into drainage ditches or waters of the State.
 - All contractors involved with storm water pollution prevention shall obtain a copy of the storm water pollution prevention plan and the State of Wisconsin National Pollution Discharge Elimination General Permit (NPDES Permit) and become familiar with their contents.
 - The Contractor shall implement best management practices as required by the SWPPP. Additional best management practices shall be implemented as dictated by conditions at no additional cost to the owner throughout all phases of construction.
 - Best management practices (BMPs) and controls shall conform to federal, state, or local requirements or manual of practice. As applicable Contractor shall implement additional controls as directed by permitting agency or owner.
 - All temporary erosion and sediment control items are to be removed within thirty (30) days of the site's final stabilization by the contractor.
 - All construction activities within the boundaries of the project as well as all construction activities involved in making any connections to utilities outside the boundaries of the project shall comply with the requirements of this plan. This Storm Water Pollution Prevention Plan shall cover all such activities.
 - Refer to the Landscape Plan for locations and specifications of sodding, seeding and other permanent ground cover.

- CONSTRUCTION SEQUENCE**
- INSTALL INLET PROTECTION FOR EXISTING DRAINAGE STRUCTURES (IF APPLICABLE).
 - INSTALL SILT FENCE AT LOCATIONS AS INDICATED ON THE PLANS.
 - INSTALL STONE TRACKING PAD (STABILIZED CONSTRUCTION ENTRANCE).
 - PERFORM SITE DEMOLITION AS NOTED ON DEMOLITION PLAN (IF APPLICABLE).
 - STRIP EXISTING TOPSOIL AND STOCKPILE/STABILIZE.
 - CUT AND FILL SITE TO PLAN SUB-GRADE.
 - BEGIN BUILDING CONSTRUCTION.
 - CONSTRUCT UNDERGROUND IMPROVEMENTS, I.E. SANITARY SEWER AND WATERMAIN, ETC.***
 - CONSTRUCT PAVEMENT IMPROVEMENTS PER PLAN.
 - COMPLETE CONSTRUCTION OF SITE WITH PERMANENT STABILIZATION.
 - REMOVE TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES.
 - *** INSTALL INLET PROTECTION FOR DRAINAGE STRUCTURES (WHEN CONSTRUCTED).

TYPICAL SOIL PROTECTION CHART

Stabilization Type:	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Permanent Seeding	A					XXX	XXX	X				
Dormant Seeding	B											
Temporary Seeding	C					XXX	XXX	X				
Sodding	F	XXX										
Mulching	F											

A= Kentucky Bluegrass @ 90 lbs/ac. Mixed with Perennial Ryegrass @ 30 lbs/ac.
B= Kentucky Bluegrass @ 135 lbs/ac. Mixed with Perennial Ryegrass @ 45 lbs/ac.
C= Spring Date @ 100lb/ac.
D= Wheat or Cereal Rye @150 lbs/ac.
F= Straw Mulch @ 2 tons/ac.
XXX= Irrigation needed
Irrigation should be provided as necessary to thoroughly establish growth.



- CONSTRUCTION ENTRANCE SPECIFICATIONS**
- STONE SIZE - USE 3" TO 6" CLEAR OR WASHED STONE
 - THICKNESS - NOT LESS THAN TWELVE (12) INCHES.
 - FILTER CLOTH - SHALL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE - WSDOT TYPE R GEOTEXTILE FABRIC.
 - MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAYS MUST BE REMOVED IMMEDIATELY.
 - WASHING - WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
 - TRACKING PAD SHALL, AT A MINIMUM, BE INSPECTED WEEKLY AND WITHIN 24 HOURS AFTER EVERY PRECIPITATION EVENT THAT PRODUCES 0.5 INCHES OF RAIN OR MORE DURING A 24 HOUR PERIOD.

INSPECTIONS AND MAINTENANCE
ALL EROSION CONTROL DEVICES AND MEASURES SHALL BE MAINTAINED IN FULLY FUNCTIONAL CONDITION AS REQUIRED UNTIL THE SITE OR SECTIONS OF THE SITE ARE STABILIZED. ALL EROSION CONTROL DEVICES AND MEASURES SHALL BE INSPECTED BY A REPRESENTATIVE OF THE GENERAL CONTRACTOR ONCE PER WEEK AND WITHIN 24 HOURS OF ANY STORM EVENT EXCEEDING 0.5" RAIN. WRITTEN INSPECTION REPORTS SHALL BE MAINTAINED ON SITE AND SHALL BE PRODUCED UPON REQUEST OF ANY LOCAL, STATE OR FEDERAL OFFICIAL. THE FOLLOWING SHALL BE THE MINIMUM MAINTENANCE REQUIREMENTS:

- ANY INLET OR PIPE PROTECTION OR PERIMETER EROSION BARRIER THAT SHOWS SIGNS OF DETERIORATION OR UNDERMINING SHALL BE REPLACED OR REPAIRED AS REQUIRED.
- CATCH BASINS SHALL BE INSPECTED AND CLEANED PERIODICALLY.
- ANY SEEDING AREAS THAT SHOW SIGNS OF GULLIES OR EROSION SHALL BE REGRADED, RESEEDED, WATERED AND FERTILIZED AS REQUIRED TO MAINTAIN A COVER THAT IS ADEQUATE TO PREVENT EROSION.
- SEDIMENT SHALL BE REMOVED FROM PERIMETER EROSION BARRIER WHEN SILT REACHES ONE HALF THE HEIGHT OF THE FENCE.
- THE CONSTRUCTION ENTRANCE SHALL BE MAINTAINED TO PREVENT TRACKING OF MUD ONTO THE RIGHT OF WAY OR PUBLIC PARKING LOTS. TOP DRESSING SHALL BE INSTALLED AS REQUIRED ON THE CONSTRUCTION ENTRANCE AT NO ADDITIONAL COST TO THE OWNER.
- ANY MUD OR DEBRIS TRACKED ONTO A PUBLIC ROAD OR PARKING LOT SHALL BE REMOVED BY THE CONTRACTOR TO THE SATISFACTION OF THE JURISDICTIONAL BODY CONTROLLING THE ROAD OR PARKING LOT. THIS WORK SHALL BE PERFORMED AT NO ADDITIONAL COST TO THE OWNER.

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WISCONSIN ENGINEERING CORP LICENSE NUMBER 3525-11 EXPIRES 01/31/20

STORM WATER POLLUTION PREVENTION PLAN

TACO BELL RESTAURANT

2707 N. GRANDVIEW BOULEVARD WAUKESHA, WISCONSIN

NO.	DATE	DESCRIPTION

REVISIONS

DRAWN BY: KRL

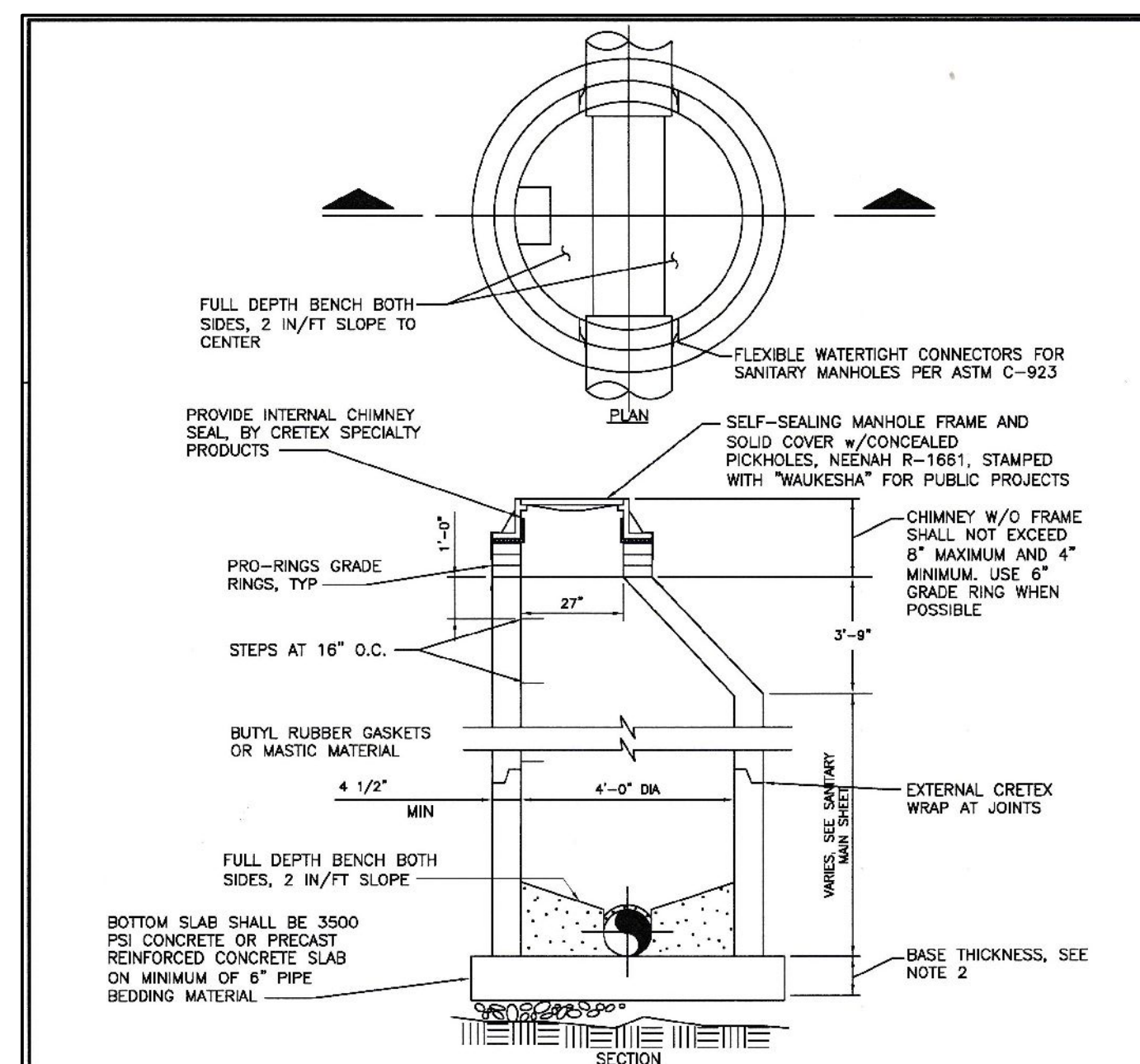
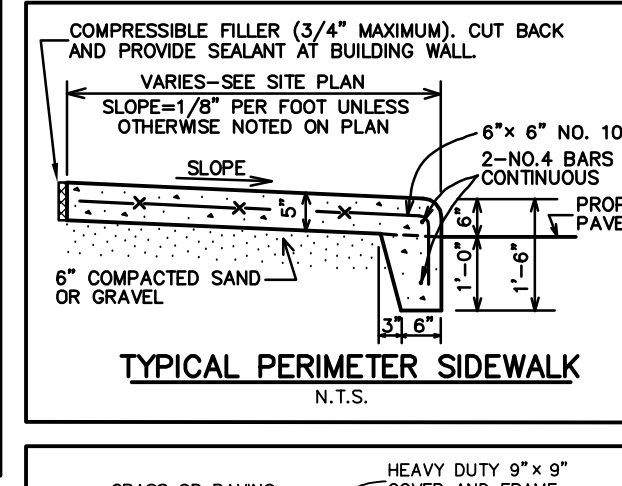
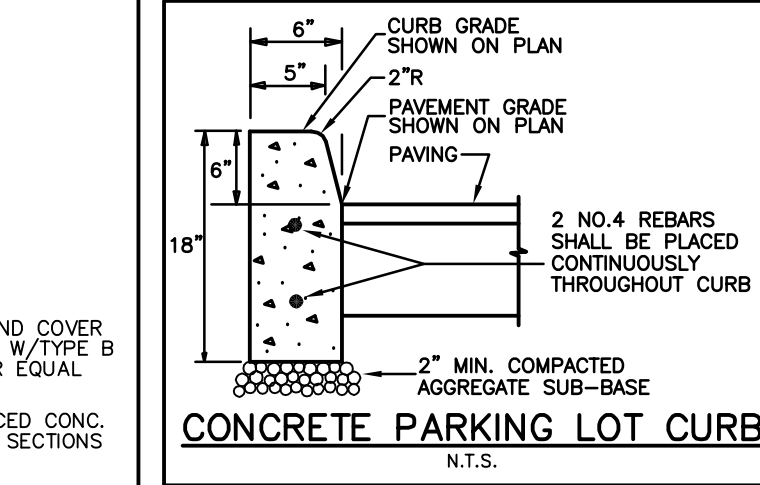
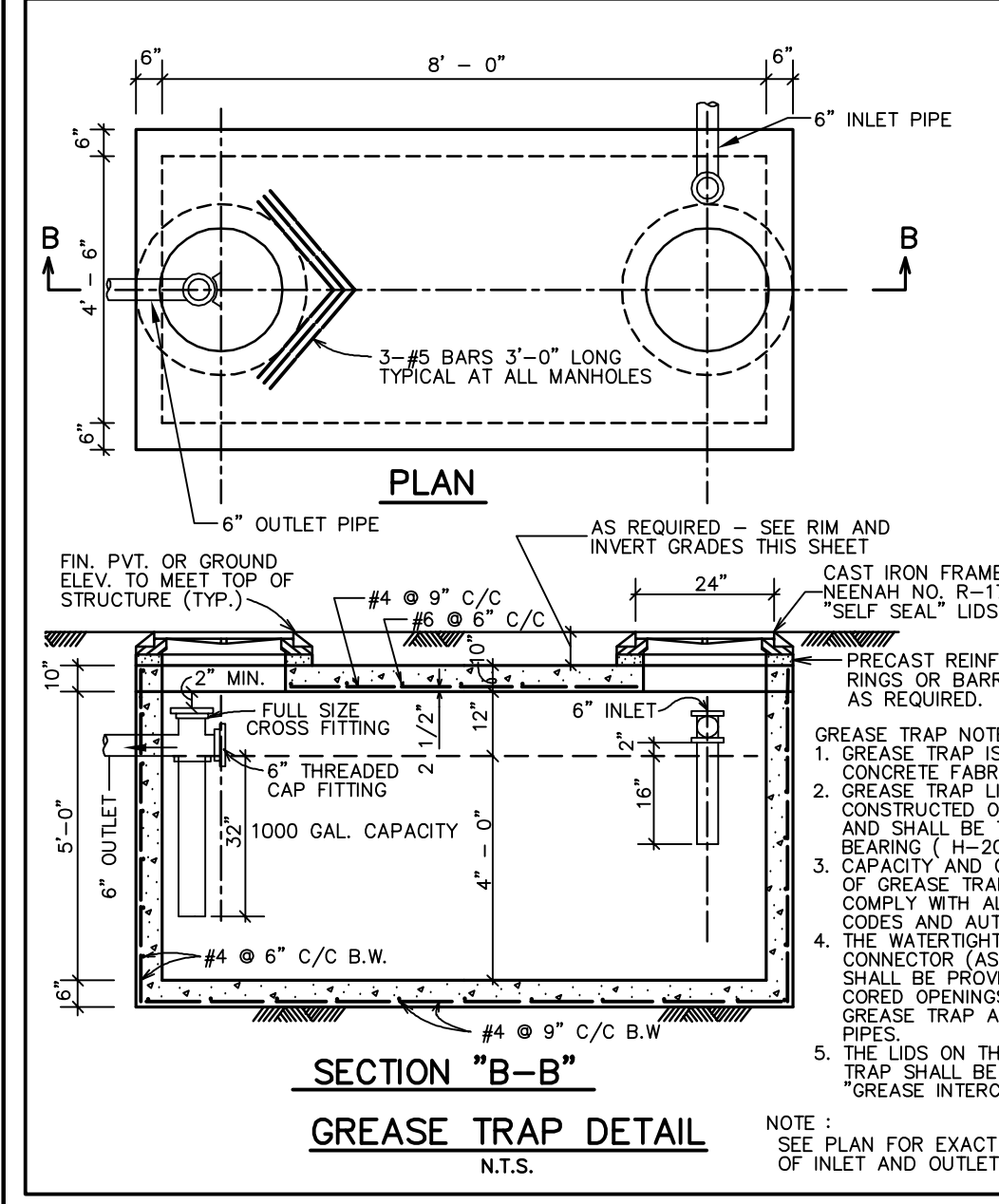
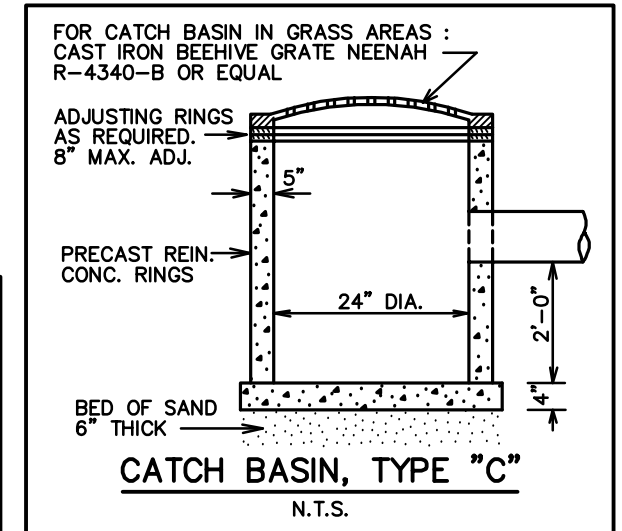
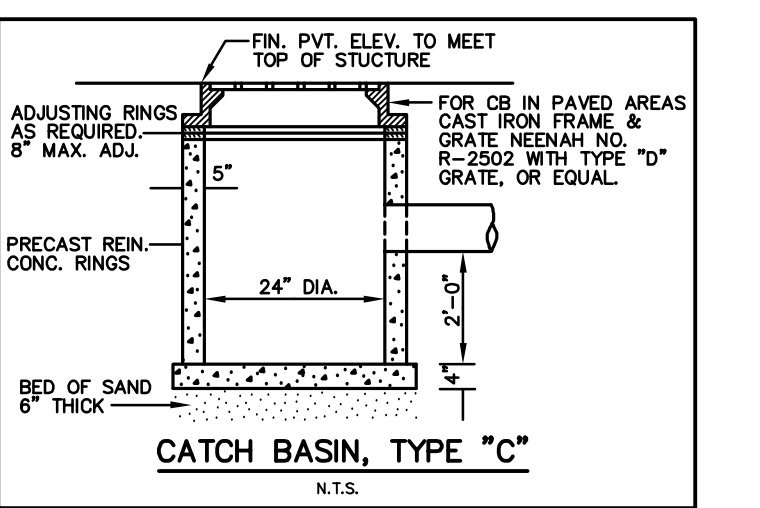
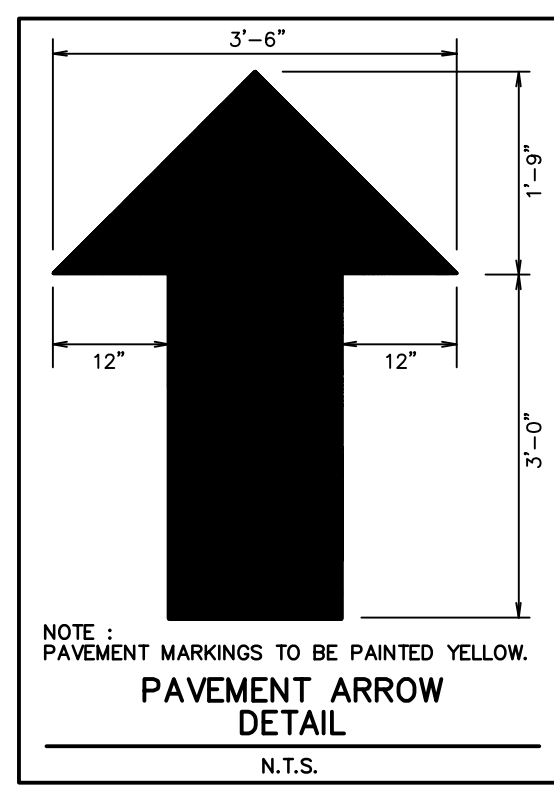
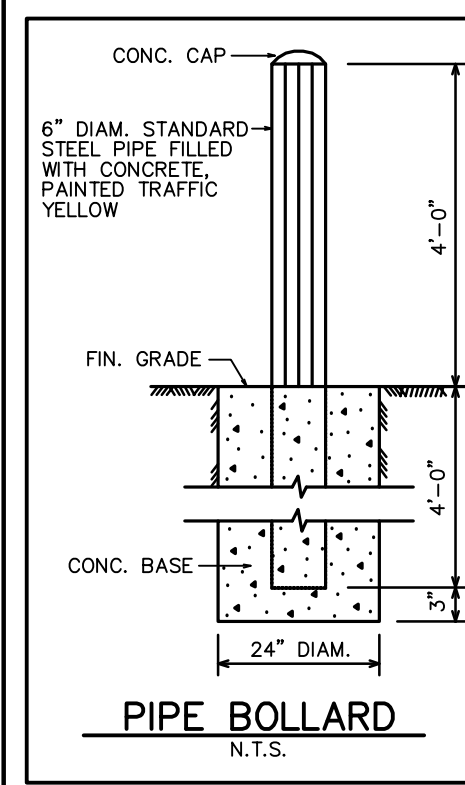
CHECKED BY: DMH

DATE: 1-17-19

SCALE: 1"=20'

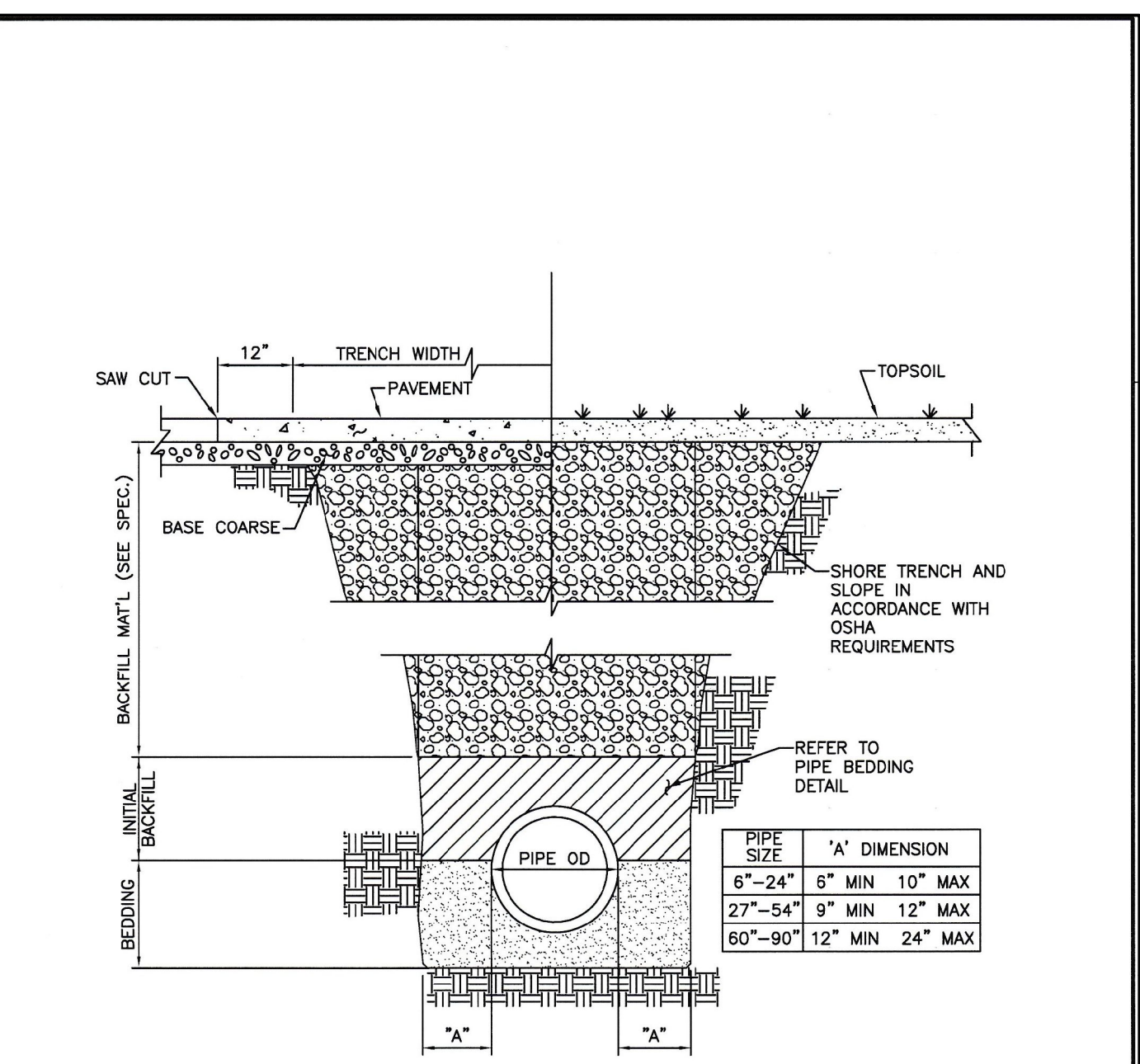
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JOB NO. 18-16



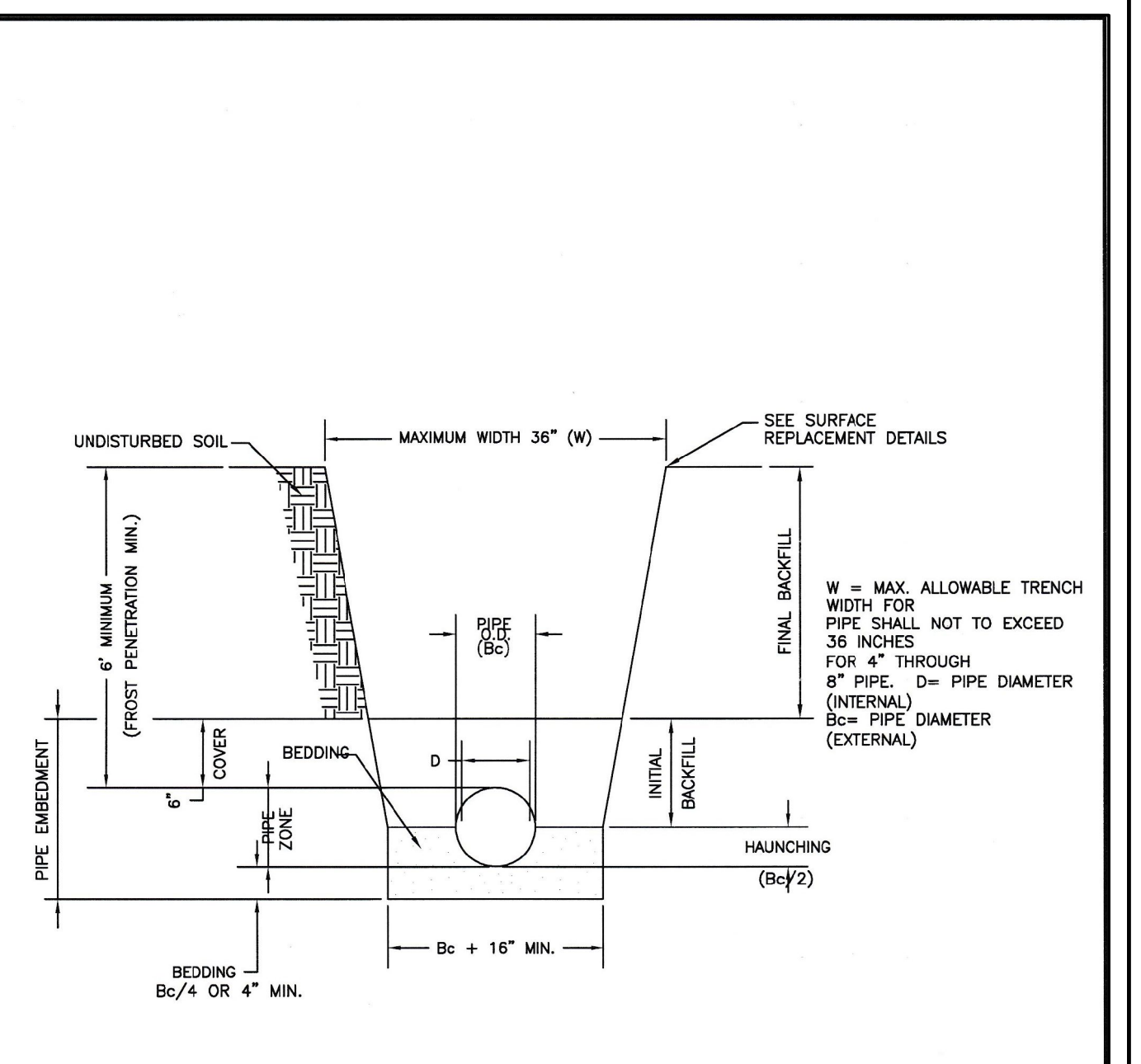
NOTES:
 1. MANHOLE SECTIONS, BASES AND TOP SLABS SHALL BE PRECAST REINFORCED CONCRETE CONSTRUCTED IN ACCORDANCE WITH ASTM C-478.
 2. THE BASE THICKNESS SHALL BE 8-INCHES FOR DEPTHS 10 FEET OR LESS AND 12-INCHES FOR DEPTHS OVER 10 FEET.
 3. JOINTS BETWEEN MANHOLE SECTIONS SHALL BE TONGUE AND GROOVE WITH COMPRESSION TYPE RUBBER GASKET CONFORMING TO ASTM C443 OR/AND APPROVED BUTYLASTIC MATERIAL.
 4. THE INVERT CHANNEL SHALL BE TROWELED SMOOTH, DENSE SURFACE AND A SEMICIRCULAR SHAPE CONFORMING TO THE INSIDE OF THE ADJACENT SEWER SECTIONS.
 5. ALL PIPE SHALL BE GROTTED IN-PLACE INTO NEW MANHOLE WALLS, PROVIDE A WATER-TIGHT, FLEXIBLE SEAL BETWEEN PIPE AND MANHOLE. CONNECTORS SHALL BE MANUFACTURED BY A-LOK PRODUCTS, INC OR EQUAL AND SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
 6. MANHOLE CASTINGS SHALL BE NENNAH R-1661 FRAME AND SELF-SEALING SOLID COVER WITH CONCEALED PICK-HOLES WITH THE "CITY OF WAUKESHA" & "TOP" ON PUBLIC MANHOLES.
 7. ALL ANNUAL SPACES SHALL BE FILLED WITH A MASTIC OR CEMENTITIOUS FILLER.

CITY OF WAUKESHA
 DEPARTMENT OF PUBLIC WORKS
 APPROVED: ALEX DAMEN DATE: _____ DRAWN BY: DJB DATE: _____ PLOT SCALE: 0.800000 DETAIL NUMBER: 05-0001
 CHECKED BY: _____ DATE: _____ PLOT DATE: 11/21/2017 7:38 AM PROJECT NO: _____



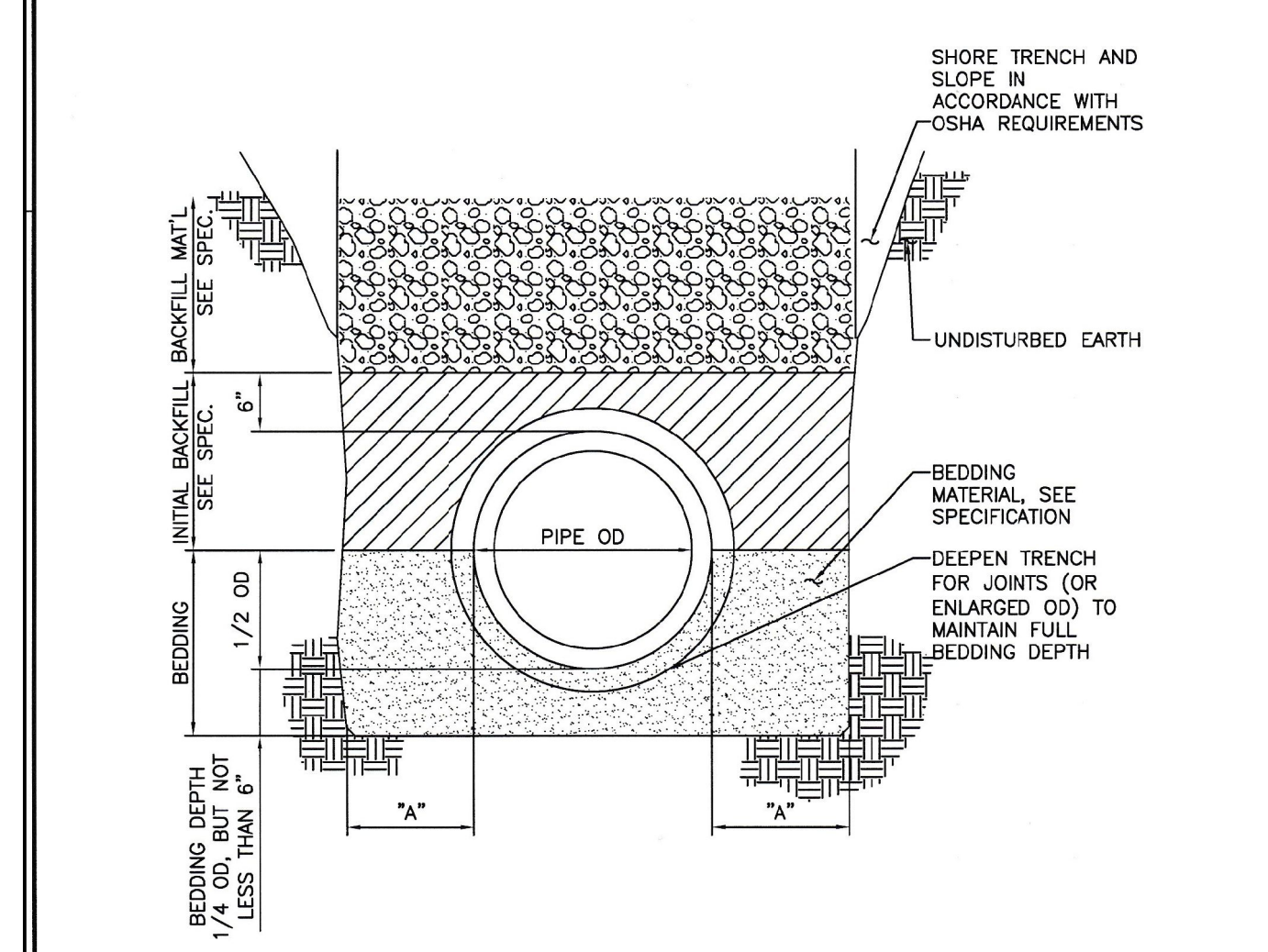
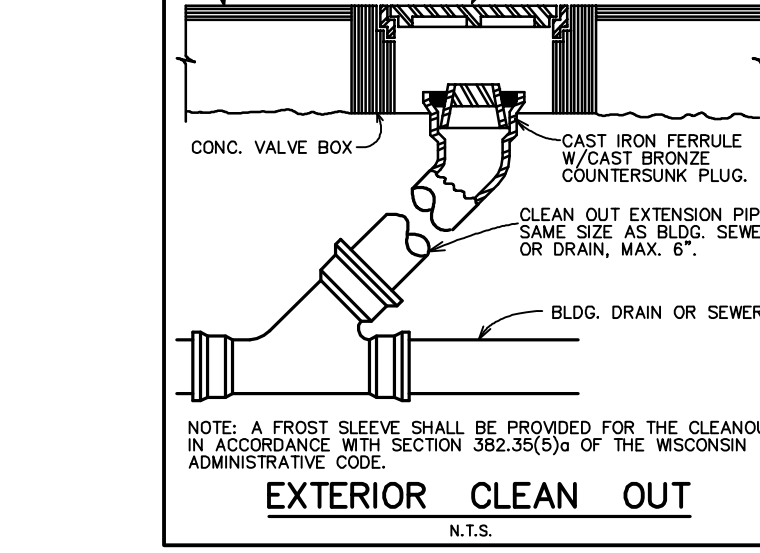
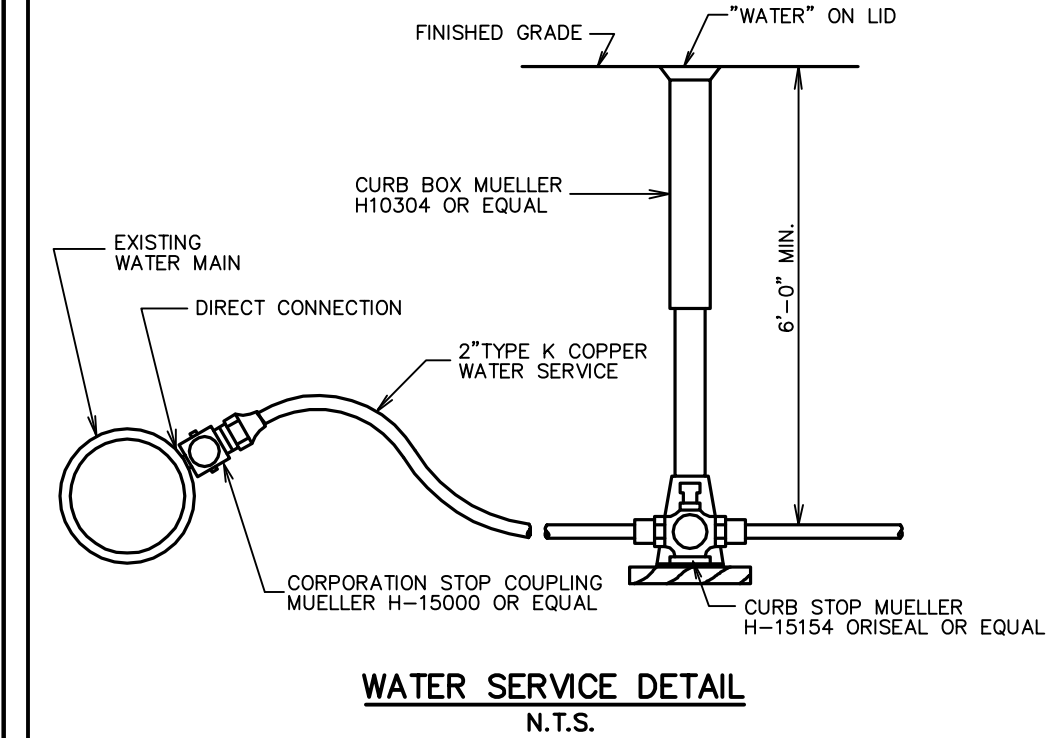
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 2. THE BASE THICKNESS SHALL BE 8-INCHES FOR DEPTHS 10 FEET OR LESS AND 12-INCHES FOR DEPTHS OVER 10 FEET.
 3. JOINTS BETWEEN MANHOLE SECTIONS SHALL BE TONGUE AND GROOVE WITH COMPRESSION TYPE RUBBER GASKET CONFORMING TO ASTM C443 OR/AND APPROVED BUTYLASTIC MATERIAL.
 4. THE INVERT CHANNEL SHALL BE TROWELED SMOOTH, DENSE SURFACE AND A SEMICIRCULAR SHAPE CONFORMING TO THE INSIDE OF THE ADJACENT SEWER SECTIONS.
 5. ALL PIPE SHALL BE GROTTED IN-PLACE INTO NEW MANHOLE WALLS, PROVIDE A WATER-TIGHT, FLEXIBLE SEAL BETWEEN PIPE AND MANHOLE. CONNECTORS SHALL BE MANUFACTURED BY A-LOK PRODUCTS, INC OR EQUAL AND SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
 6. MANHOLE CASTINGS SHALL BE NENNAH R-1661 FRAME AND SELF-SEALING SOLID COVER WITH CONCEALED PICK-HOLES WITH THE "CITY OF WAUKESHA" & "TOP" ON PUBLIC MANHOLES.
 7. ALL ANNUAL SPACES SHALL BE FILLED WITH A MASTIC OR CEMENTITIOUS FILLER.

CITY OF WAUKESHA
 DEPARTMENT OF PUBLIC WORKS
 APPROVED: ALEX DAMEN DATE: _____ DRAWN BY: DJB DATE: _____ PLOT SCALE: 0.8751 DETAIL NUMBER: 05-0008
 CHECKED BY: _____ DATE: _____ PLOT DATE: 11/21/2017 12:03 PM PROJECT NO: _____



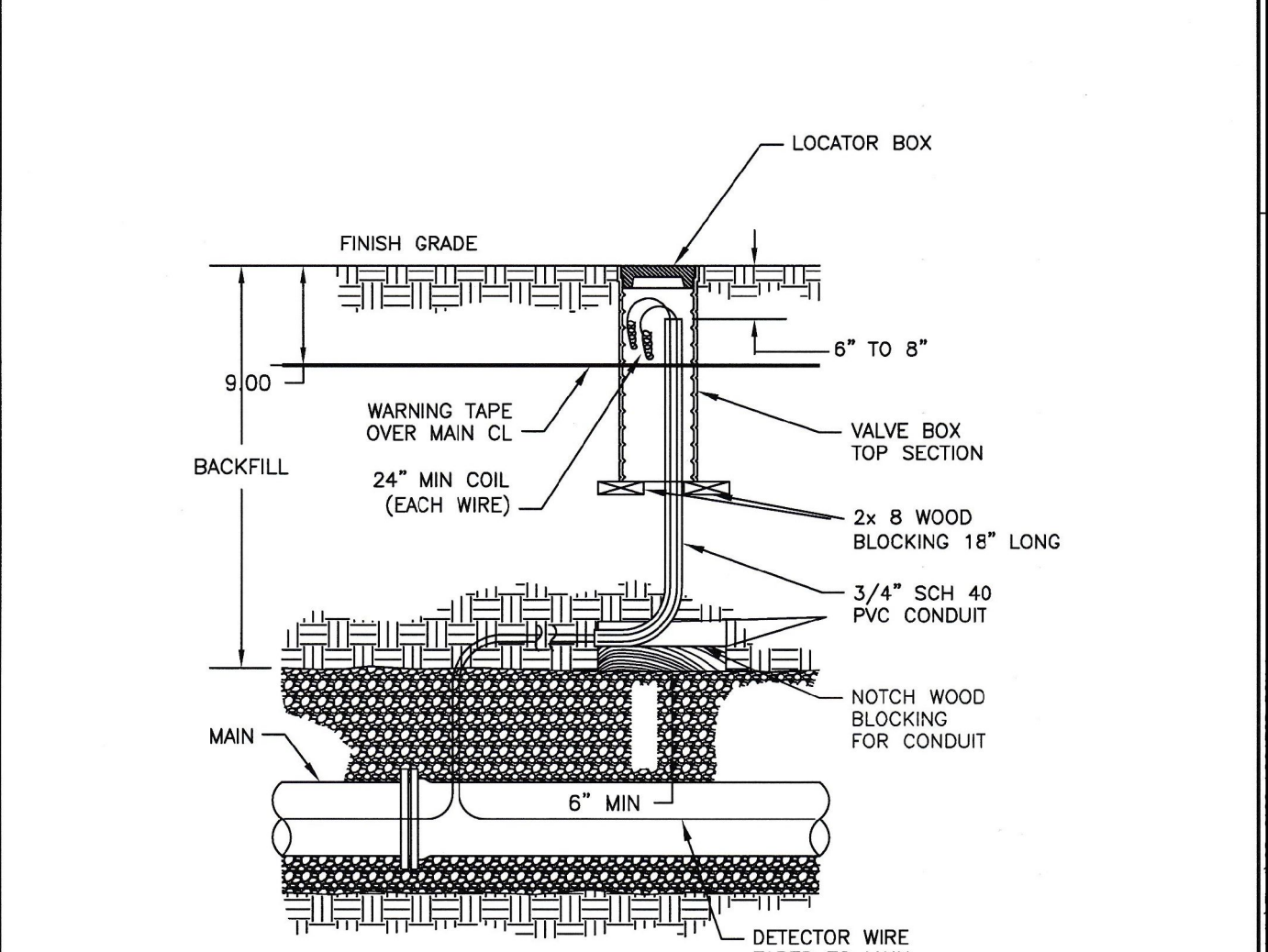
NOTES:
 1. MANHOLE SECTIONS, BASES AND TOP SLABS SHALL BE PRECAST REINFORCED CONCRETE CONSTRUCTED IN ACCORDANCE WITH ASTM C-478.
 2. THE BASE THICKNESS SHALL BE 8-INCHES FOR DEPTHS 10 FEET OR LESS AND 12-INCHES FOR DEPTHS OVER 10 FEET.
 3. JOINTS BETWEEN MANHOLE SECTIONS SHALL BE TONGUE AND GROOVE WITH COMPRESSION TYPE RUBBER GASKET CONFORMING TO ASTM C443 OR/AND APPROVED BUTYLASTIC MATERIAL.
 4. THE INVERT CHANNEL SHALL BE TROWELED SMOOTH, DENSE SURFACE AND A SEMICIRCULAR SHAPE CONFORMING TO THE INSIDE OF THE ADJACENT SEWER SECTIONS.
 5. ALL PIPE SHALL BE GROTTED IN-PLACE INTO NEW MANHOLE WALLS, PROVIDE A WATER-TIGHT, FLEXIBLE SEAL BETWEEN PIPE AND MANHOLE. CONNECTORS SHALL BE MANUFACTURED BY A-LOK PRODUCTS, INC OR EQUAL AND SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
 6. MANHOLE CASTINGS SHALL BE NENNAH R-1661 FRAME AND SELF-SEALING SOLID COVER WITH CONCEALED PICK-HOLES WITH THE "CITY OF WAUKESHA" & "TOP" ON PUBLIC MANHOLES.
 7. ALL ANNUAL SPACES SHALL BE FILLED WITH A MASTIC OR CEMENTITIOUS FILLER.

CITY OF WAUKESHA
 DEPARTMENT OF PUBLIC WORKS
 APPROVED: ALEX DAMEN DATE: _____ DRAWN BY: DJB DATE: _____ PLOT SCALE: 0.800000 DETAIL NUMBER: 05-0010
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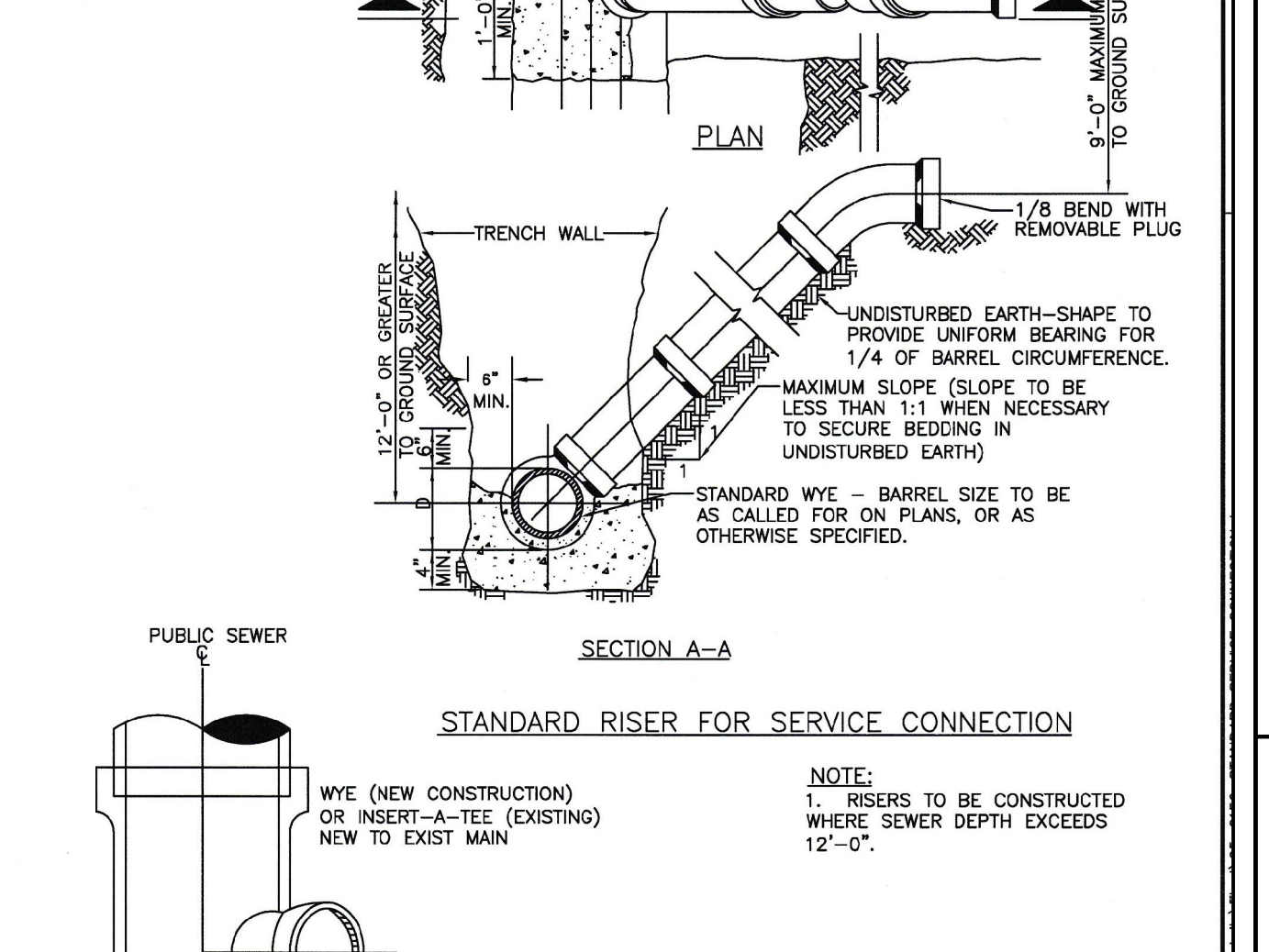
NOTES:
 1. REFER TO PIPE TRENCH DETAIL.
 2. TRANSITION OF BEDDING TYPES SHALL ONLY BE MADE AT PIPE JOINTS.
 3. COMPACTION SHALL NOT BE DONE IN LAYERS MORE THAN 12" THICK.
 4. BACKFILL SHALL BE COMPACTED TO NOT LESS THAN 90% STANDARD PROCTOR.

CITY OF WAUKESHA
 DEPARTMENT OF PUBLIC WORKS
 APPROVED: ALEX DAMEN DATE: _____ DRAWN BY: DJB DATE: _____ PLOT SCALE: 0.800000 DETAIL NUMBER: 05-0011
 CHECKED BY: _____ DATE: _____ PLOT DATE: 11/21/2017 12:14 PM PROJECT NO: _____



NOTES:
 1. REFER TO PIPE TRENCH DETAIL.
 2. TRANSITION OF BEDDING TYPES SHALL ONLY BE MADE AT PIPE JOINTS.
 3. COMPACTION SHALL NOT BE DONE IN LAYERS MORE THAN 12" THICK.
 4. BACKFILL SHALL BE COMPACTED TO NOT LESS THAN 90% STANDARD PROCTOR.

CITY OF WAUKESHA
 DEPARTMENT OF PUBLIC WORKS
 APPROVED: ALEX DAMEN DATE: _____ DRAWN BY: DJB DATE: _____ PLOT SCALE: 0.066667 DETAIL NUMBER: 05-0100
 CHECKED BY: _____ DATE: _____ PLOT DATE: 11/29/2017 12:56 PM PROJECT NO: _____



NOTES:
 1. RISERS TO BE CONSTRUCTED WHERE SEWER DEPTH EXCEEDS 12'-0".
 2. WHERE TEES AND WYES ARE NOT PROVIDED, INSERTATEE WILL BE REQUIRED. AXIS OF OUTLET PLACED AT 45° SLOPE WITH HORIZONTAL. OUTLET TO BE PROVIDED WITH STOPPER.

CITY OF WAUKESHA
 DEPARTMENT OF PUBLIC WORKS
 APPROVED: ALEX DAMEN DATE: _____ DRAWN BY: DJB DATE: _____ PLOT SCALE: 1"=1' DETAIL NUMBER: 05-0156
 CHECKED BY: _____ DATE: _____ PLOT DATE: 11/21/2017 12:24 PM PROJECT NO: _____

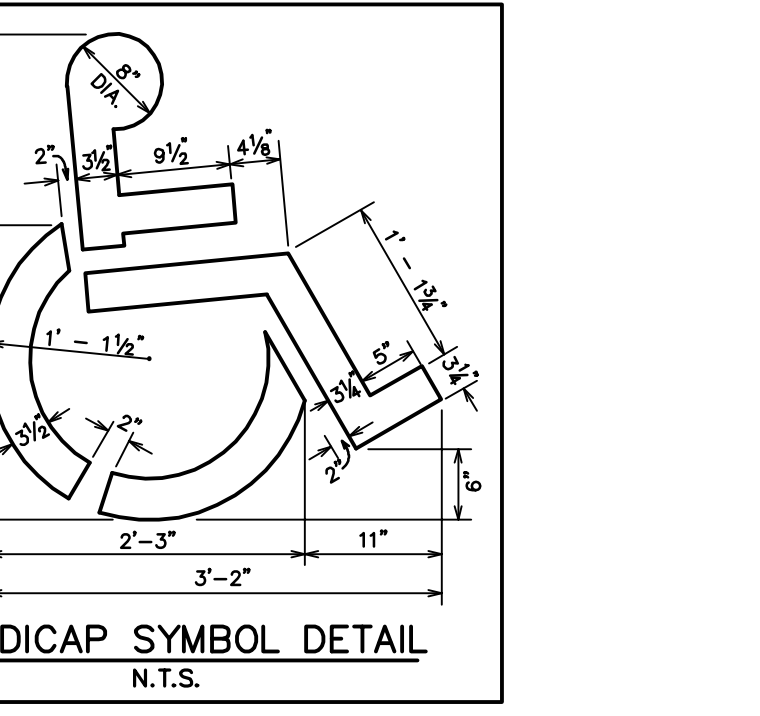
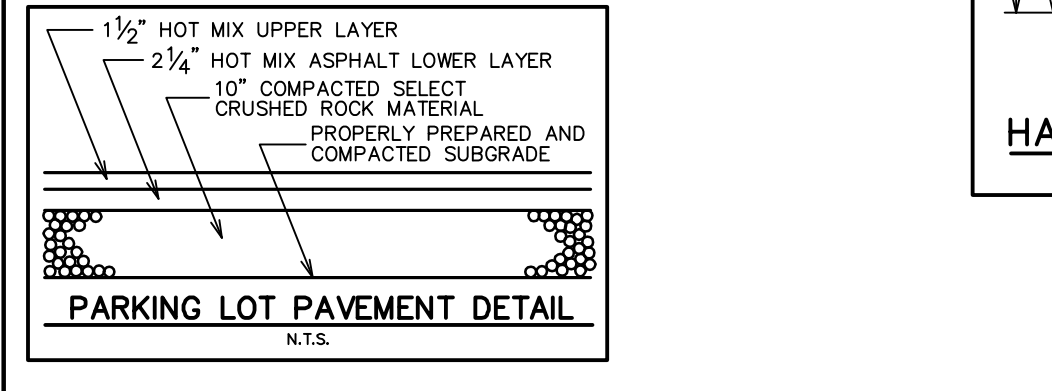
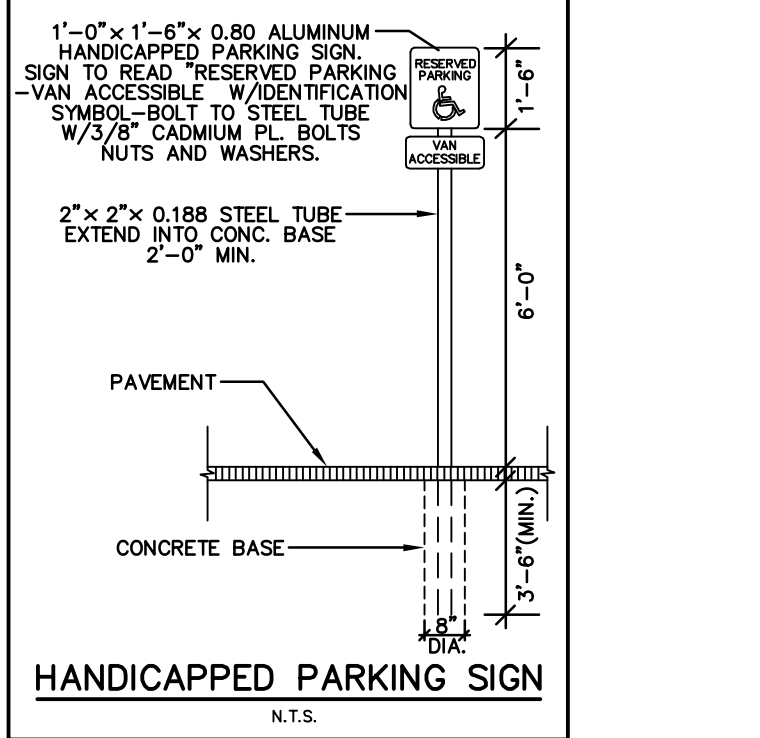
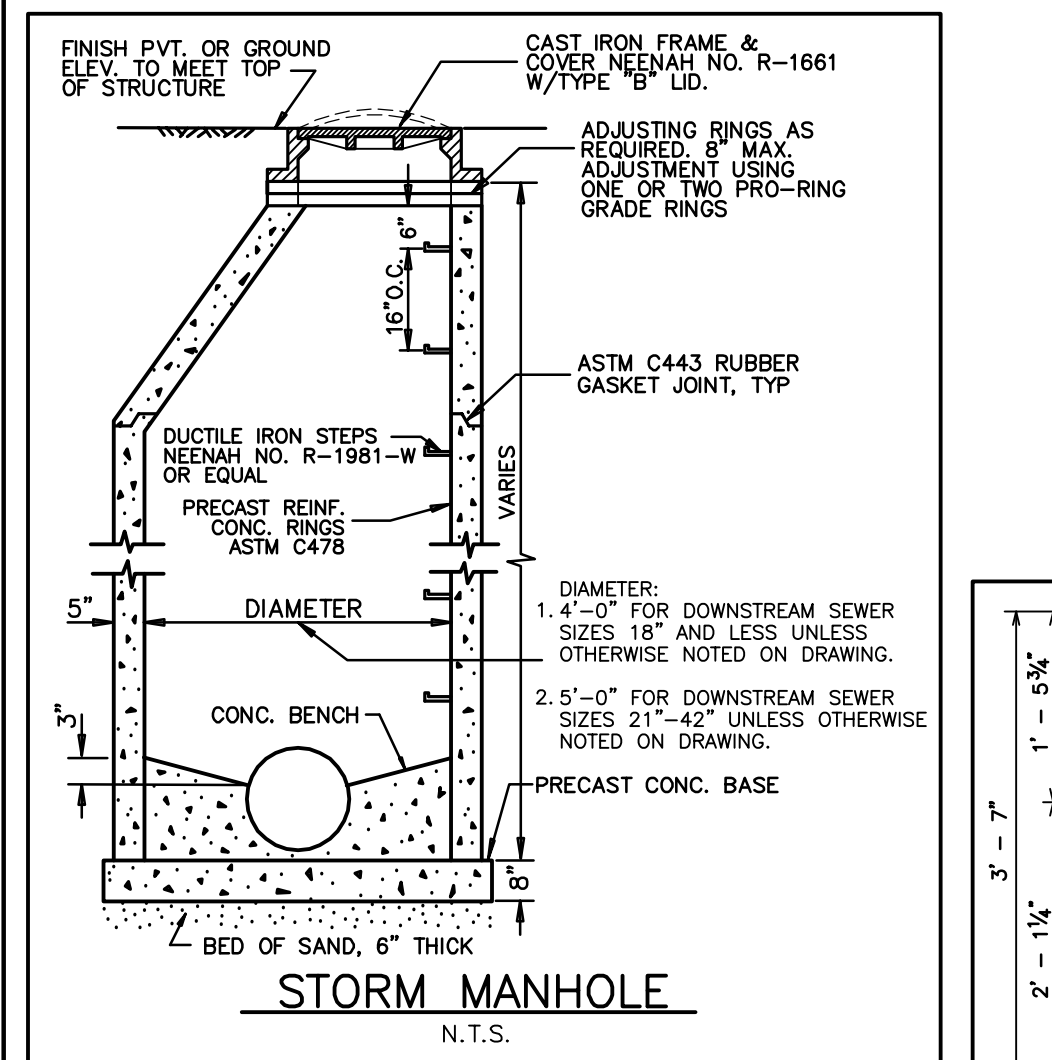
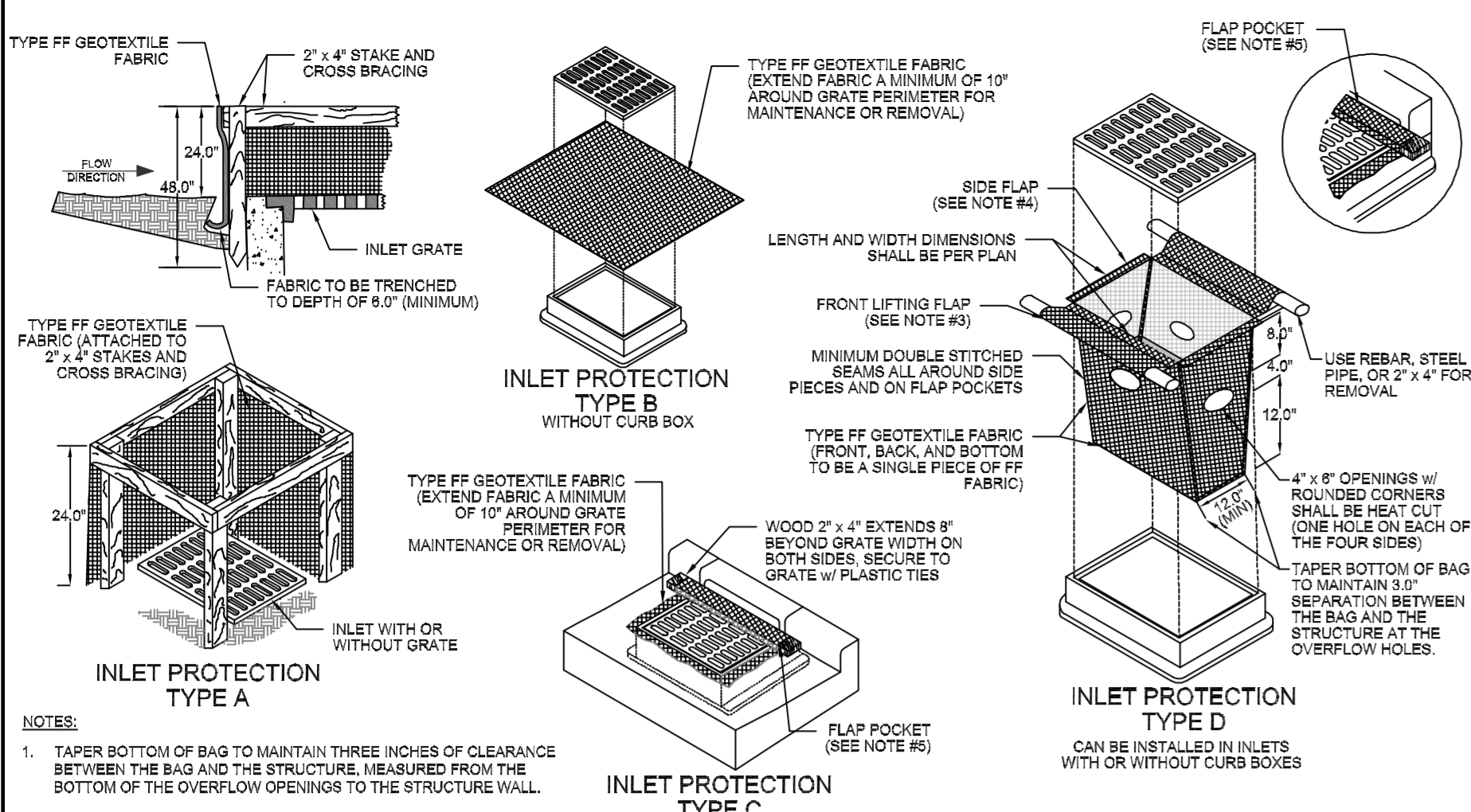


FIGURE 1. INLET PROTECTION TYPES A, B, C AND D



GENERAL NOTES

- TAPER BOTTOM OF BAG TO MAINTAIN THREE INCHES OF CLEARANCE BETWEEN THE BAG AND THE STRUCTURE, MEASURED FROM THE BOTTOM OF THE OVERFLOW OPENINGS TO THE STRUCTURE WALL.
- GEOTEXTILE FABRIC TYPE FF FOR FLAPS, TOP AND BOTTOM OF OUTSIDE OF FILTER BAG. FRONT, BACK, AND BOTTOM OF FILTER BAG BEING ONE PIECE.
- FRONT LIFTING FLAP IS TO BE USED WHEN REINFORCING AND MAINTAINING FILTER BAG.
- SIDE FLAPS SHALL BE A MAXIMUM OF TWO INCHES LONG. FOLD THE FABRIC OVER AND REINFORCE WITH MULTIPLE STITCHES.
- FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2" x 4". THE REBAR, STEEL PIPE, OR WOOD SHALL BE INSTALLED IN THE REAR FLAP AND SHALL NOT BLOCK THE TOP HALF OF THE CURB FACE OPENING.

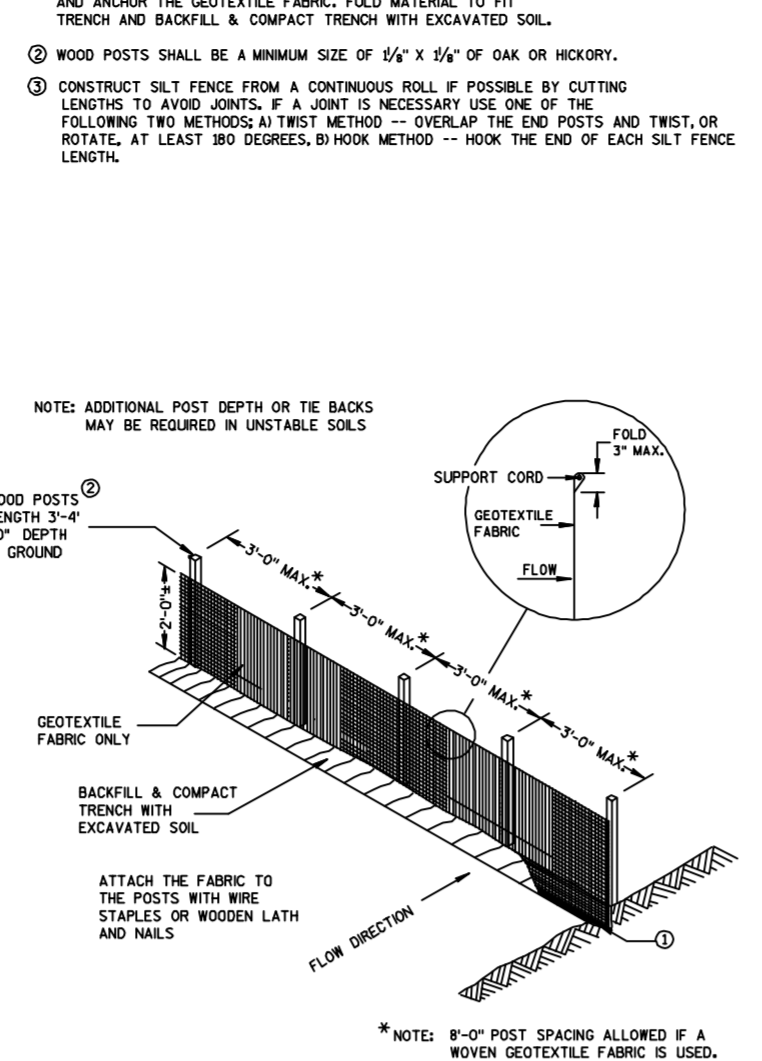
MAINTENANCE NOTES:

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

GENERAL NOTES

- TRENCH SHALL BE A MINIMUM OF 4" WIDE & 4" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
- WOOD POSTS SHALL BE A MINIMUM SIZE OF 6 1/2" x 6 1/2" OF OAK OR HICKORY.
- CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO ADJUST JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS AT EACH METHOD: **OVERLAP METHOD** - OVERLAP THE END POSTS AND TWIST OR ROTATE AT LEAST 90 DEGREES, **HOOK METHOD** - HOOK THE END OF EACH SILT FENCE LENGTH.

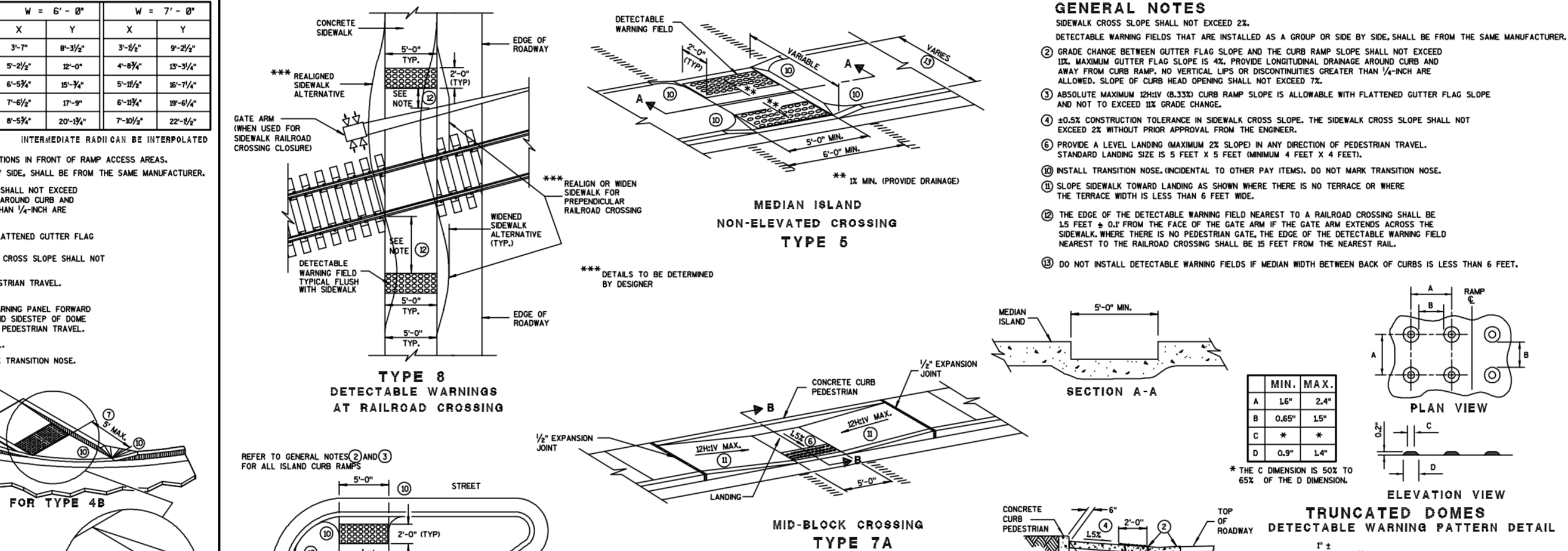
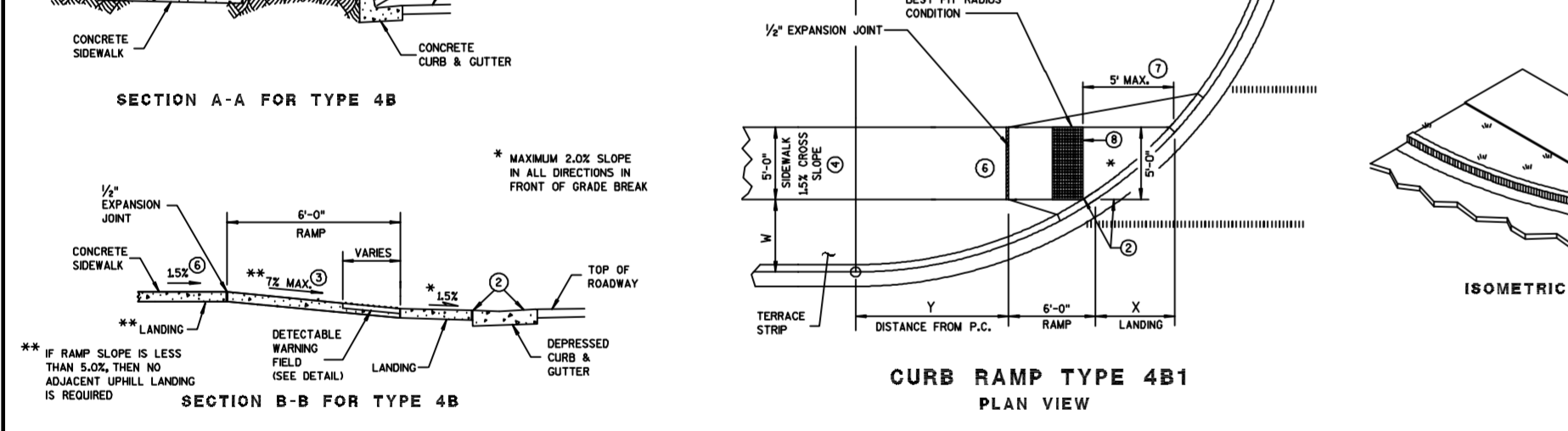
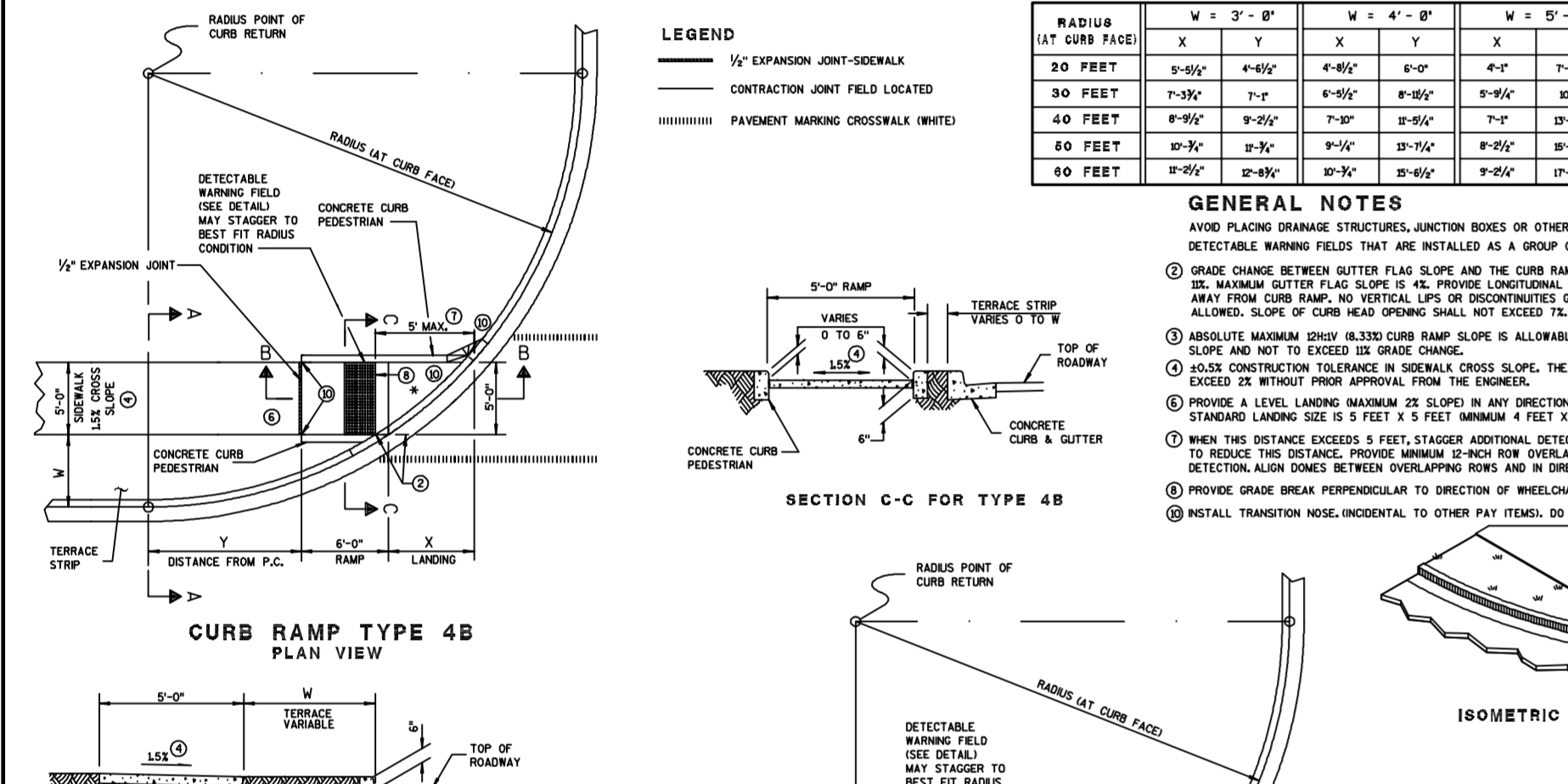
GENERAL NOTES



SILT FENCE

NOTE: 8'-0" POST SPACING ALLOWED IF A MOVEN GEOTEXTILE FABRIC IS USED.

THIS DRAWING BASED ON WISCONSIN DEPARTMENT OF TRANSPORTATION STANDARD DETAIL DRAWING S.C. 2-56.



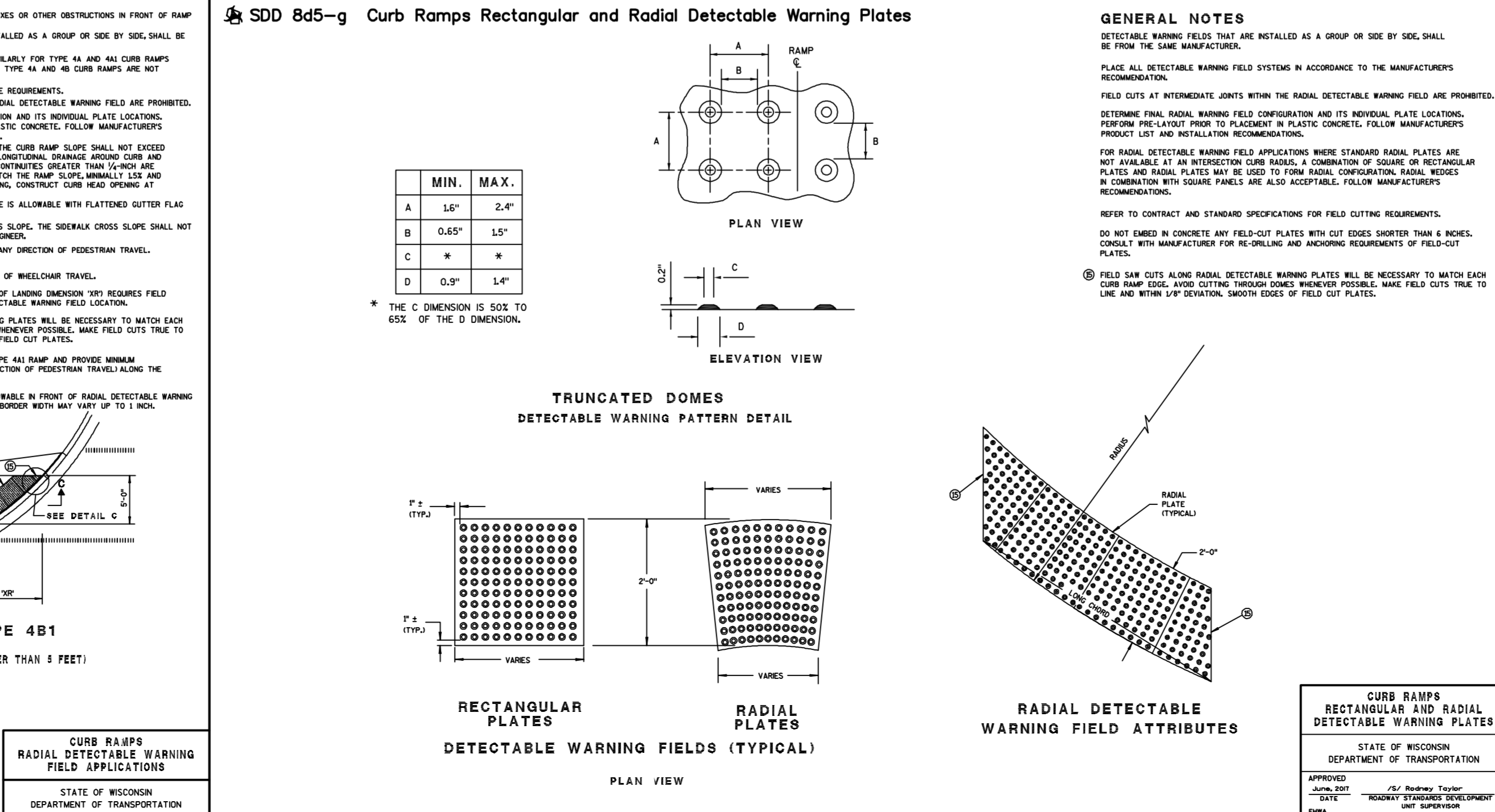
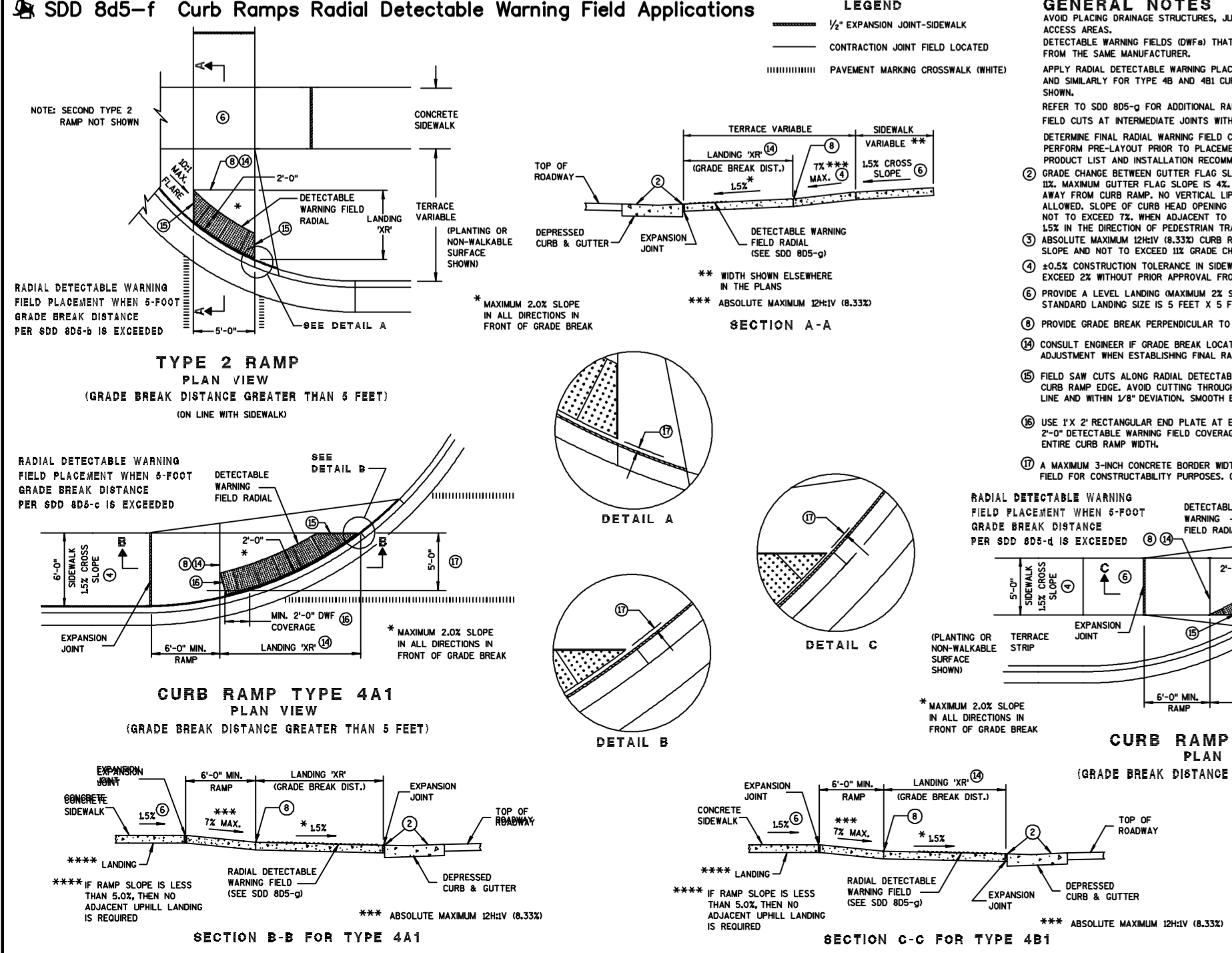
GENERAL NOTES

- DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE SHALL BE FROM THE SAME MANUFACTURER.
- GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 1%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE CONDITIONAL DRAINAGE AMONG CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN 1/4" HIGH ARE ALLOWED. SLOPE OF CURB HEAD DRIVING SHALL NOT EXCEED 1%.
- ABSOLUTE MAXIMUM DEPTH 8/32" CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 1% GRADE CHANGE.
- ROAD CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE, THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.
- PROVIDE A LEVEL LANDING MAXIMUM 2% SLOPE IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET MINIMUM 4 FEET X 4 FEET.
- IF THE SURFACE EXCEEDS 2 FEET HIGHER ADJACENT DETECTABLE WARNING PANEL FORWARD. REDUCE THIS DISTANCE. PROVIDE MINIMUM 1/4" HIGH OVERLAY TO AVOID SCEPTER OF SOME DETECTABLE ALUM. JONES BETWEEN OVERLAPPING PANELS AND DIRECTION OF PEDESTRIAN TRAVEL.
- PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.
- INSTALL TRANSITION NOSE, INCIDENT TO OTHER PAY ITEMS. DO NOT MARK TRANSITION NOSE.

LEGEND

- 1/2" EXPANSION JOINT-SIDEWALK
- CONTRACTOR JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION



STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

CIVIL ENGINEERS LAND SURVEYORS
SITE PLANNERS
NORTHWESTERN ENGINEERING CONSULTANTS, P.C.
675 N. NORTH COURT PALATINE, ILLINOIS 60067 (647) 520-8410
WISCONSIN ENGINEERING CORP. LICENSE NUMBER 35529-11 EXPIRES 01/31/20

WISDOT & WISDNR DETAILS
TACO BELL RESTAURANT
2707 N. GRANDVIEW BOULEVARD
WAUKESHA, WISCONSIN

NO.	DATE	DESCRIPTION

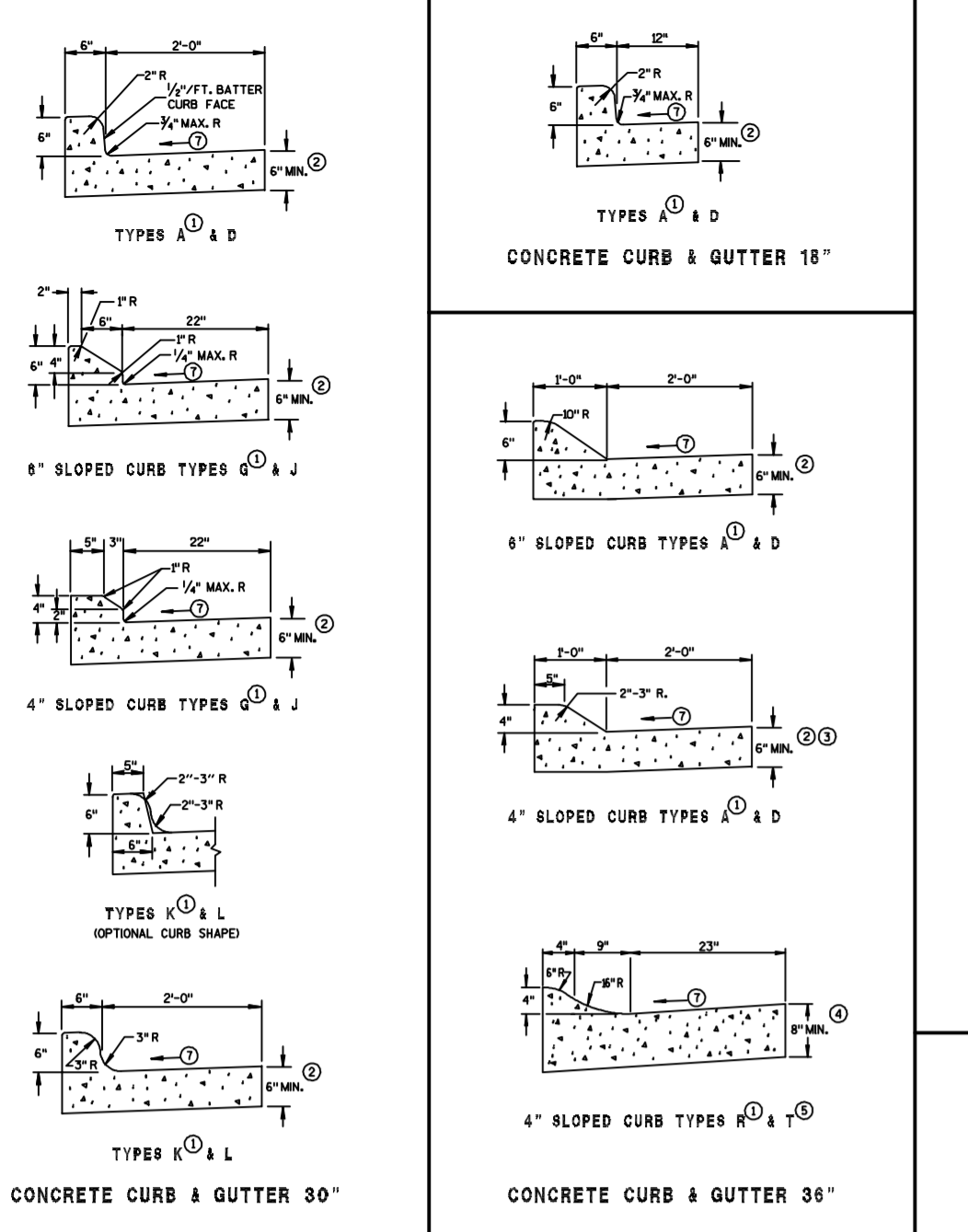
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CHECKED BY: OHM
DATE: 1-17-19
SCALE: N.T.S.

DRAWING NO. **C-8**

JOB NO. **18-16**

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

8D1 sheet a: Concrete Curb, Concrete Curb & Gutter and Ties



GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERMIT REQUIREMENTS OF THE CONTRACT.

PAVEMENT TIES AND TIE BARS SHALL BE EPXY COATED IN CONFORMANCE WITH SUBSECTION 502.2.2 OF THE STANDARD SPECIFICATIONS.

INTERNAL CURB & GUTTER SHALL CONFORM TO THE DETAILS SHOWN FOR CONCRETE CURB & GUTTER INCLUDING THE TRANSVERSE GUTTER SLOPE.

WHERE THE TRANSVERSE JOINTS IN THE PAVEMENT ARE REQUIRED TO BE SEALED, THE JOINTS IN THE INTERNAL CURB AND GUTTER SHALL BE SEALED TO THE FACE OF CURB WITH THE SAME TYPE OF SEALANT. THE COST OF FURNISHING AND INSTALLING THE SEALANT SHALL BE INCIDENTAL TO THE ITEM CONCRETE CURB AND GUTTER.

UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTION, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2'-0" BEHIND THE BACK OF CURB.

TE BARS ARE REQUIRED FOR CURB AND GUTTER TYPES A, G, L, R AND T&T.

THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SURFACE OF BASE AGGREGATE PROVIDED A 1/2" MINIMUM GUTTER THICKNESS IS MAINTAINED.

USE 1/2" MINIMUM GUTTER THICKNESS WHEN USED WITH AN ADJACENT CONCRETE TRUCK APRON PLACED BEHIND BACK OF CURB.

THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SURFACE OF BASE AGGREGATE PROVIDED A 1/2" MINIMUM GUTTER THICKNESS IS MAINTAINED.

THE FACE OF CURB IS 6" FROM THE BACK OF CURB.

WHEN REVERSE SLOPE GUTTER IS REQUIRED, THE LOCATIONS WILL BE SHOWN ELSEWHERE IN THE PLAN.

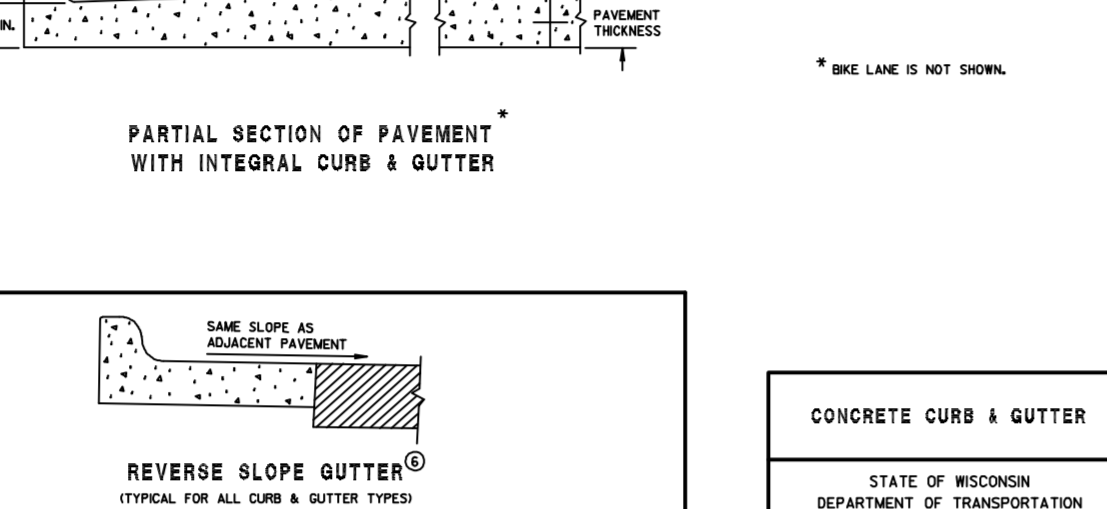
USE 48 GUTTER CROSS SLOPE UNLESS OTHERWISE NOTED IN THE PLAN.

INCLUDE LONGITUDINAL JOINT AND TIE BARS ALONG LANE EDGE WHEN CONCRETE PANEL WITH EXCEEDS THE MAXIMUM WIDTH PER TABLE BELOW. LONGITUDINAL JOINTS ARE NOT ALLOWED WITHIN TRAFFIC LANES AND ONE LANE LONGITUDINAL JOINT MAY BE USED.

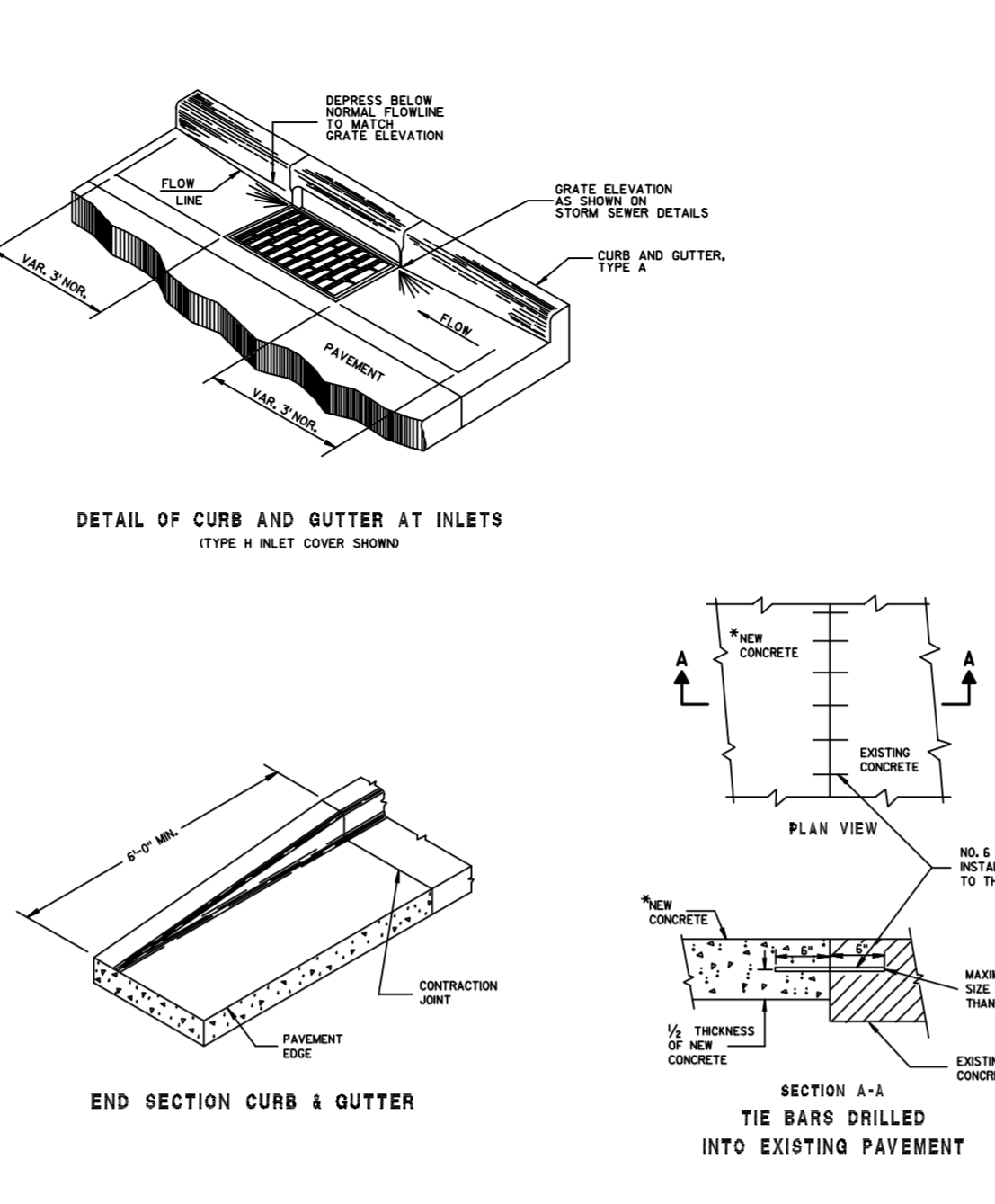
PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

PAVEMENT THICKNESS	MAXIMUM PANEL WIDTH
LESS THAN 10"	30'
10" & ABOVE	40'

* ONE LANE IS NOT SHOWN.



8D1 sheet b: Concrete Curb, Concrete Curb & Gutter and Ties



GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERMIT REQUIREMENTS OF THE CONTRACT.

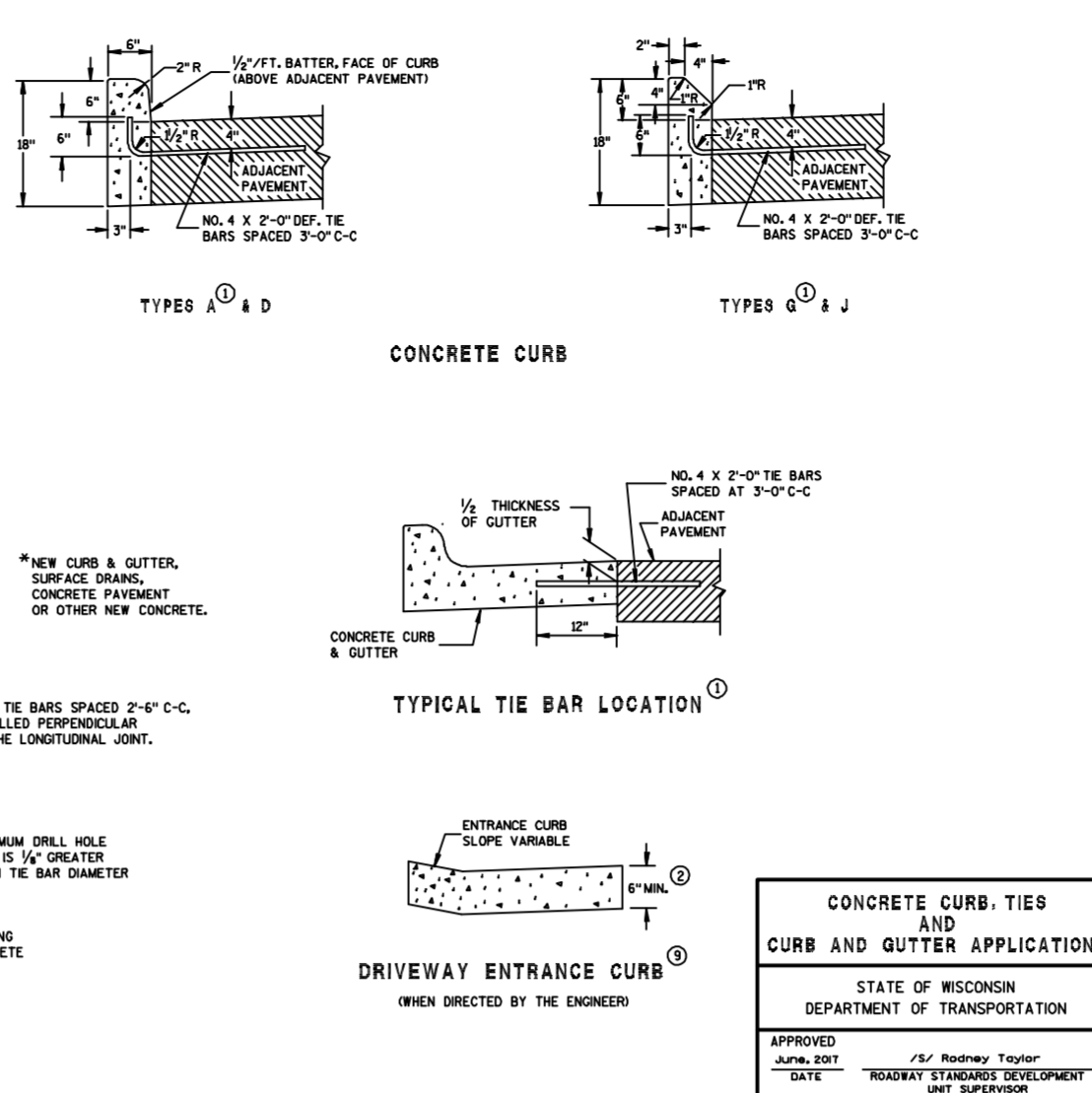
PAVEMENT TIES AND TIE BARS SHALL BE EPXY COATED IN CONFORMANCE WITH SUBSECTION 502.2.2 OF THE STANDARD SPECIFICATIONS.

UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2'-0" BEHIND THE BACK OF CURB.

TE BARS ARE REQUIRED FOR CURB AND GUTTER TYPES A, G, L, R AND T&T.

THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SURFACE OF BASE AGGREGATE PROVIDED A 1/2" MINIMUM GUTTER THICKNESS IS MAINTAINED.

REFER TO SDD 800 AND SDD 809 FOR ADDITIONAL DRIVEWAY ENTRANCE CURB DETAILS.



SDD 15d12-a Traffic Control, Lane Closure

GENERAL NOTES

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT EXCEED 500 FEET AND TO PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS.

THIS LANE CLOSURE IS TYPICAL FOR CLOSING RIGHT LANE - REVERSE FOR CLOSING LEFT LANE. ALL SIGNS ARE 48" x 48" UNLESS OTHERWISE NOTED.

*"W" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED OR AS APPROVED BY THE ENGINEER.

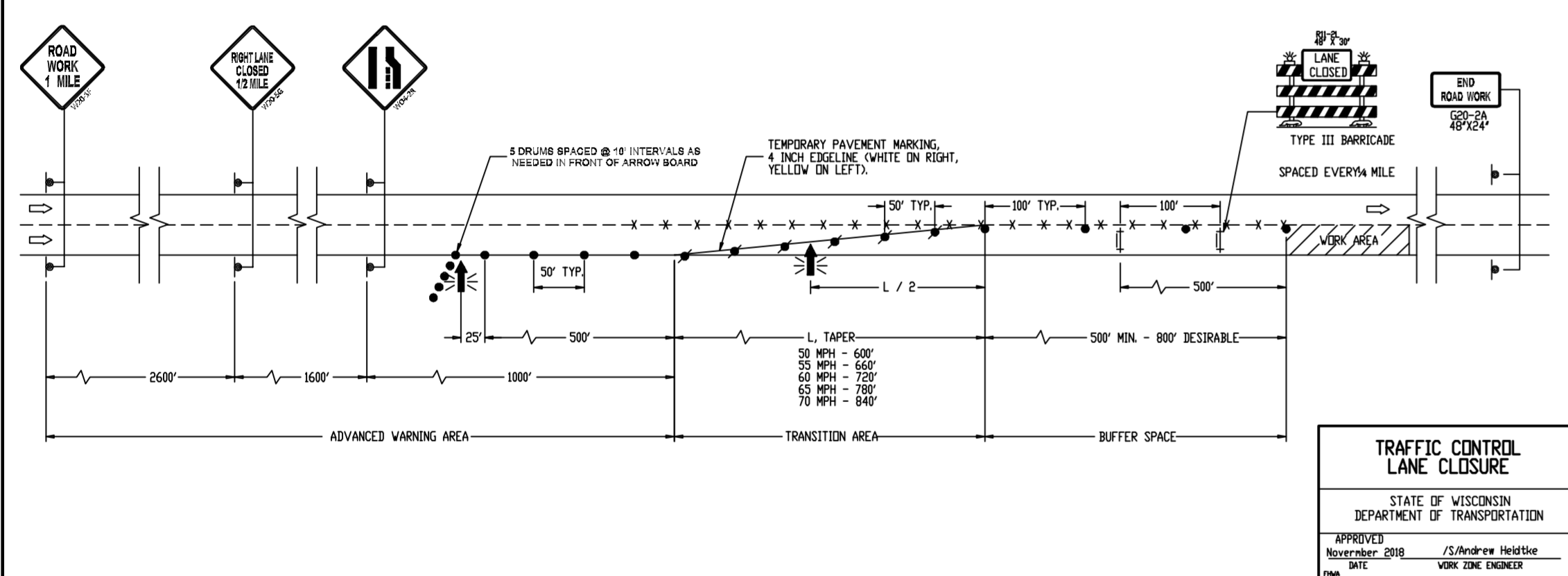
FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.

REMOVE PAVEMENT MARKINGS IF LANE CLOSURE IS TO BE IN PLACE 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION. ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE CLOSURE OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP OR INTERSECTION. THE LANE CLOSURE MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE ONE HALF THE LENGTH OF THE TRANSITION AREA. THE ENTRANCE RAMP SHOULD BE FOLLOWED BY THE ORIGINAL BUFFER SPACE LENGTH OF 800 FEET DESIRABLE PRIOR TO ANOTHER TRAFFIC CONTROL CHANGE SUCH AS A CROSSOVER MANEUVER.

CONSIDER ROADWAY GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE SIGNS.



SDD 15d12-b Traffic Control, Lane Closure, Speed Reduction

GENERAL NOTES

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT EXCEED 500 FEET AND TO PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS.

THIS LANE CLOSURE IS TYPICAL FOR CLOSING RIGHT LANE - REVERSE FOR CLOSING LEFT LANE. ALL SIGNS ARE 48" x 48" UNLESS OTHERWISE NOTED.

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CONSIDER ROADWAY GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE SIGNS.

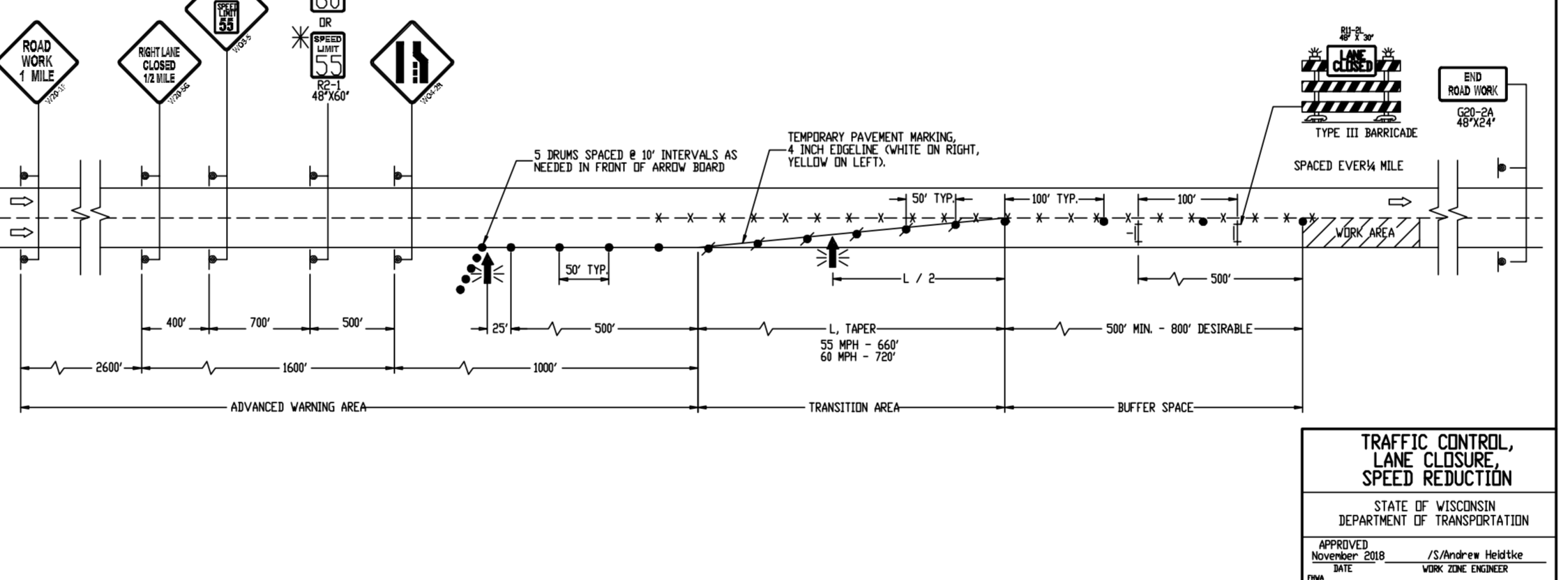
FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.

REMOVE PAVEMENT MARKINGS IF LANE CLOSURE IS TO BE IN PLACE 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

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WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION. ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE CLOSURE OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP OR INTERSECTION. THE LANE CLOSURE MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE ONE HALF THE LENGTH OF THE TRANSITION AREA. THE ENTRANCE RAMP SHOULD BE FOLLOWED BY THE ORIGINAL BUFFER SPACE LENGTH OF 800 FEET DESIRABLE PRIOR TO ANOTHER TRAFFIC CONTROL CHANGE SUCH AS A CROSSOVER MANEUVER.

SPEED LIMIT SIGN SHALL BE LOCATED 1500 FEET BEYOND THE END OF THE ACCELERATION LANE OF EACH ENTRANCE RAMP. PLACE A SPEED LIMIT SIGN A MINIMUM OF EVERY 3 MILES. INCLUDE A RESUME SPEED LIMIT SIGN 200 FEET MINIMUM (500 FEET DESIRABLE) BEYOND THE END OF ROADWAY SIGN.



SDD 15d12-c Traffic Control, Lane Closure, Dynamic Late Merge System 2 Lane

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL DRUM
- TYPE "M" WARNING LIGHT (FLASHING)
- REMOVING PAVEMENT MARKING
- DIRECTION OF TRAFFIC
- WORK AREA
- FLASHING ARROW BOARD
- PCMS PORTABLE CHANGEABLE MESSAGE SIGN
- FBS FLASHING BEACON SIGNS

GENERAL NOTES

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT EXCEED 500 FEET AND TO PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS.

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CONSIDER ROADWAY GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE SIGNS.

PLACE PMS IN ONE MILE BEYOND ESTIMATED MAXIMUM QUEUE LENGTH. PLACE FLASHING BEACON SIGNS EVERY ONE MILE BETWEEN THE PMS IF AND PMS II BEYOND ESTIMATED QUEUE.

PLACE FLASHING BEACON SIGNS EVERY ONE MILE BETWEEN PMS I AND PMS II.

FOR THREE LANE CONFIGURATION, PLACE FBS ON BOTH SIDES OF ROADWAY.

CHANGE PMS I MESSAGE TO MESSAGE TO "USE ALL LANES".

3 DRUMS SPACED 8 1/2' INTERVALS AS NEEDED.



CIVIL ENGINEERS SITE PLANNERS LAND SURVEYORS

NORTHWESTERN ENGINEERING CONSULTANTS, P.C.

675 N. NORTH COURT PALATINE, ILLINOIS 60067 (647) 520-8410

WISCONSIN ENGINEERING CORP. LICENSE NUMBER 3659-11 EXPIRES 01/31/20

WISDOT & WISDNR DETAILS

TACO BELL RESTAURANT

2707 N. GRANDVIEW BOULEVARD

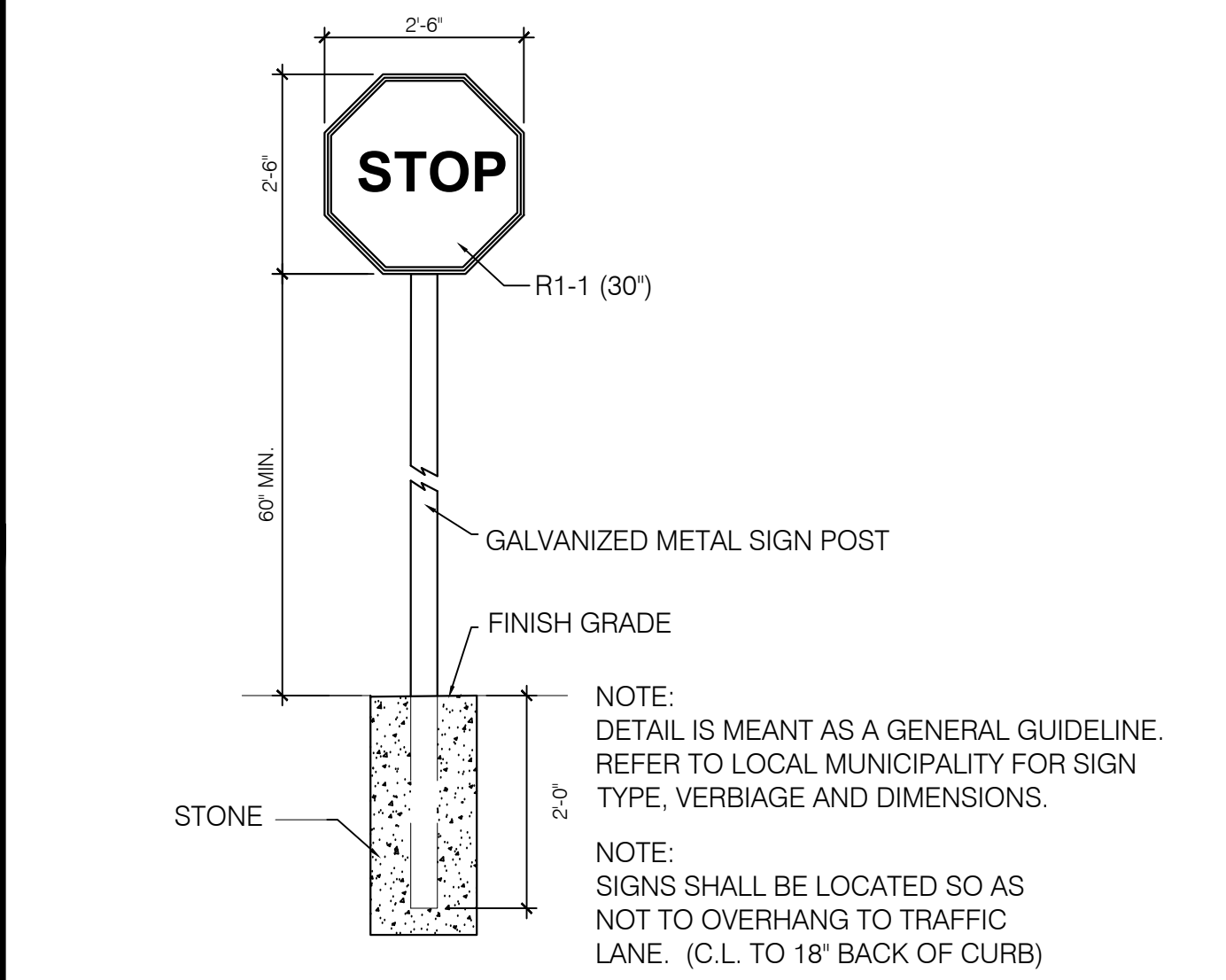
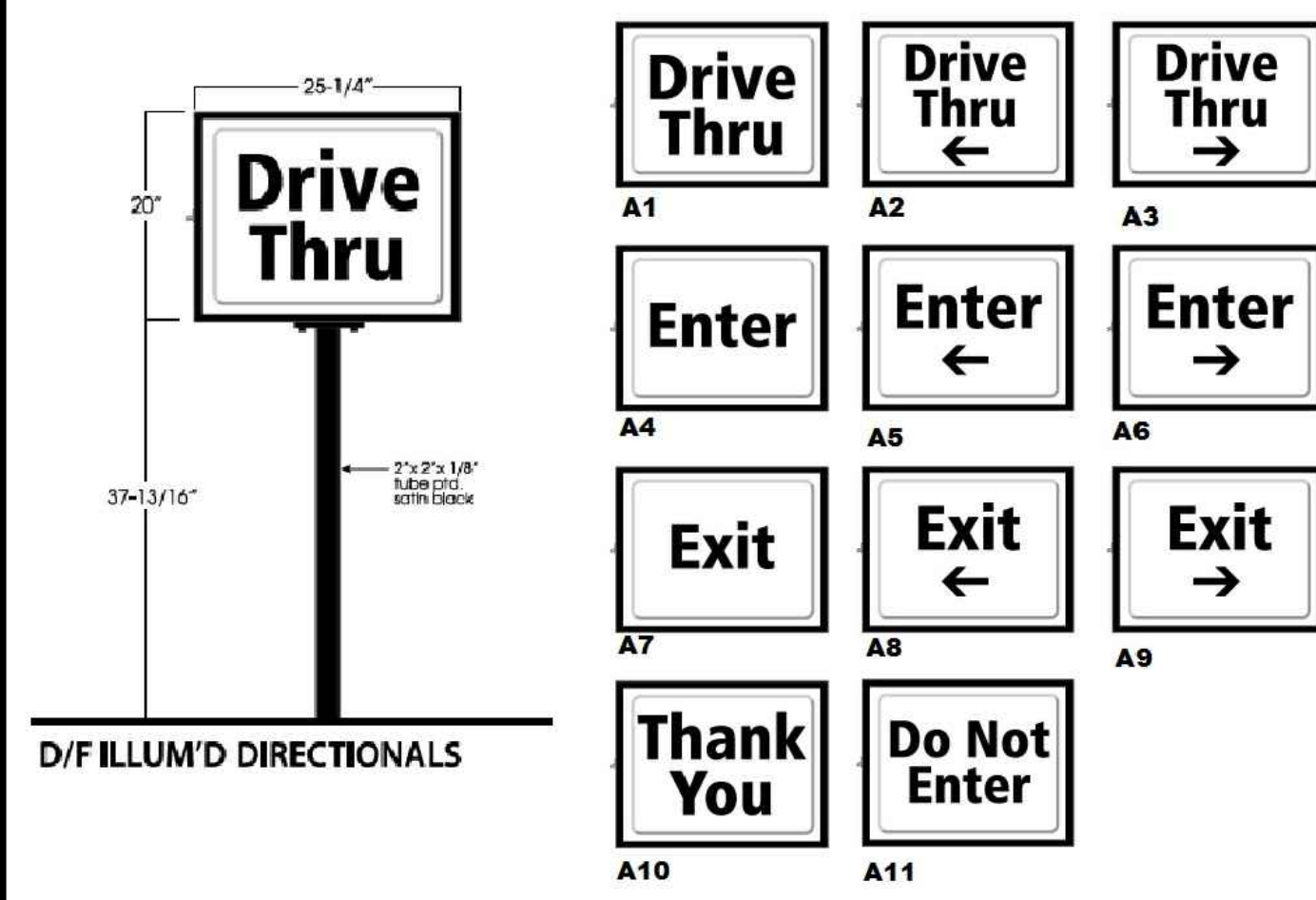
WAUKESHA, WISCONSIN

NO.	DATE	DESCRIPTION

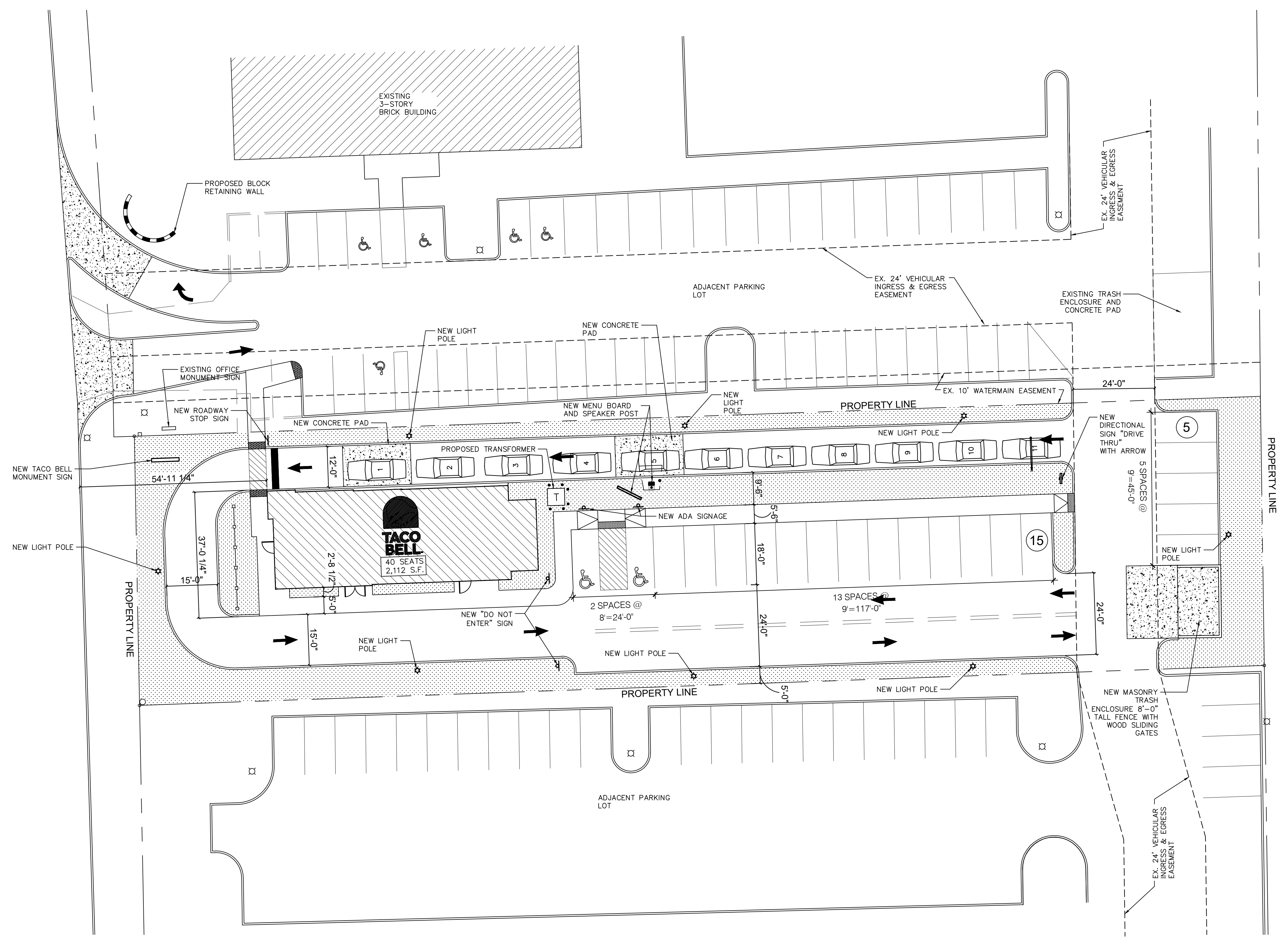
DRAWN BY: KRL
CHECKED BY: DMH
DATE: 1-17-19
SCALE: N.T.S.

DRAWING NO. C-9

JOB NO. 18-16



N. GRANDVIEW BLVD.



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CONTRACT DATE: 03.19.18
BUILDING TYPE: EXPLORER MED40
PLAN VERSION: APRIL, 2019
SITE NUMBER: XXX-XXX
STORE NUMBER: XX-XXXX

TACO BELL
2707 N. GRANDVIEW BLVD.
WAUKESHA, WI

PROPOSED SITE PLAN

SP1.0

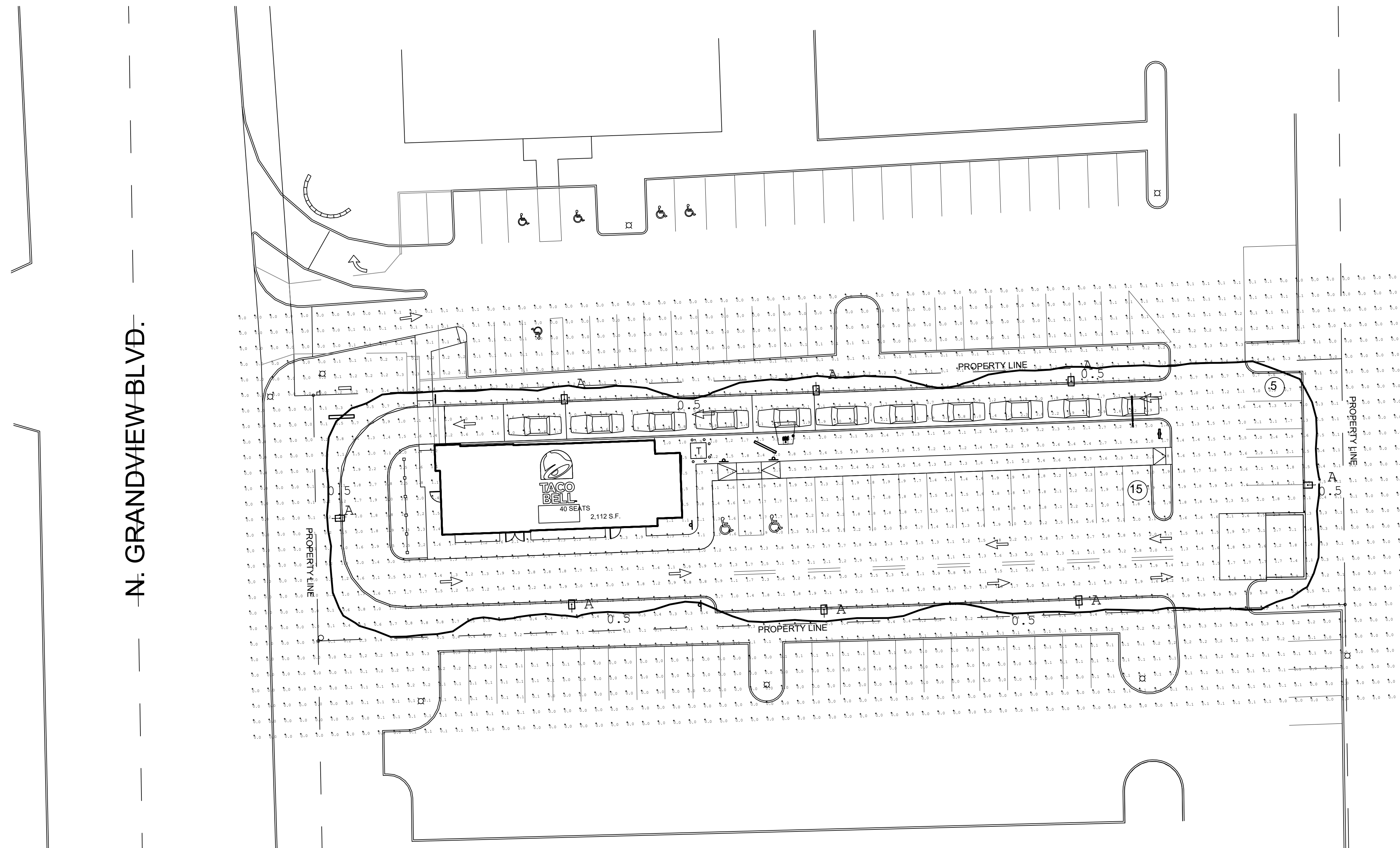


Calculation Summary					
Label	Avg	Max	Min	Avg/Min	Max/Min
EXTENDED	0.75	3.2	0.0	N.A.	N.A.
PARKING LOT & DRIVE-THRU SURFACE	1.74	3.2	0.5	3.48	6.40

LIGHT LEVELS ARE MAINTAINED FOOT-CANDLES, INITIAL LEVELS ARE SLIGHTLY HIGHER

Luminaire Schedule						
Symbol	Qty	Label	Arrangement	Lum. Lumens	LLF	Lum. Watts
	8	A	SINGLE	6318	0.900	70
Description: CL1-A-30L-U-4K-4-DB-BC / SES-14-40-01-A-2-DB						

NOTE: LIGHT LEVEL AT THE PROPERTY LINES NOT TO EXCEED 0.5 FOOT-CANDLE
 FIXTURES ARE 70W 4000K LED w/ BACKLIGHT SHIELDS
 POLES ARE 14'-0" FOR AN OVERALL FIXTURE HEIGHT OF 16'-6" A.F.G.



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CONTRACT DATE: 03.19.18
 BUILDING TYPE: EXPLORER MED40
 PLAN VERSION: APRIL, 2019
 SITE NUMBER: XXX-XXX
 STORE NUMBER: XX-XXXX

TACO BELL
 2707 N. GRANDVIEW BLVD.
 WAUKESHA, WI

PHOTOMETRIC SITE PLAN

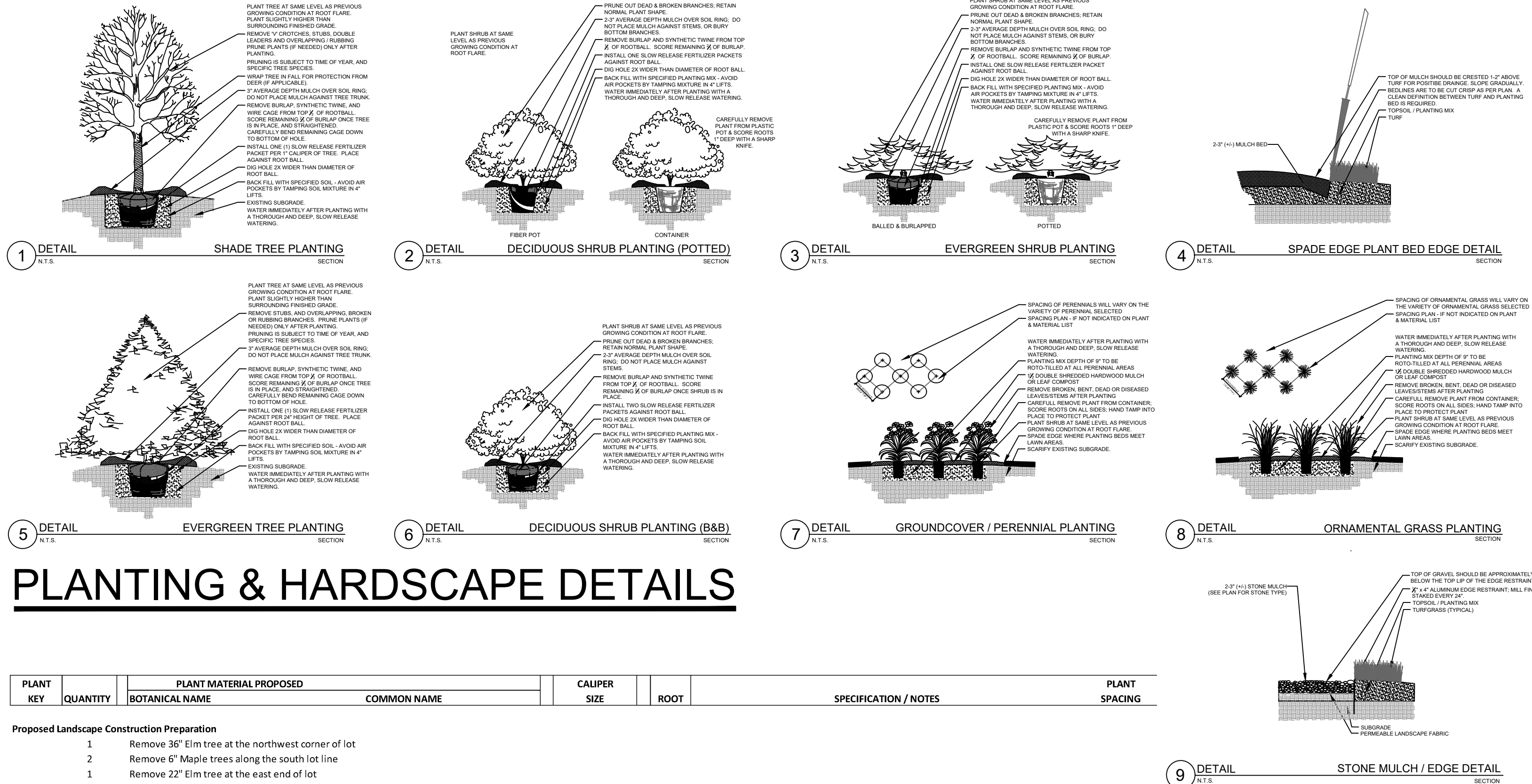
SP2.1



TO OBTAIN LOCATIONS OF PARTICIPANTS UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN

DIGGERS HOTLINE

CALL DIGGERS HOTLINE
811 or 800-551-8811
MILWAUKEE AREA 259-1181
CENTRAL/WESTERN WISCONSIN
REQUIRES MIN. 3 WORK DAYS
NOTICE BEFORE YOU EXCAVATE



PLANTING & HARDSCAPE DETAILS

- 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 planted.
- 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.

8. Shrub Planting: All shrubs to be planted in groupings as indicated on the Landscape Plan. Install with the planting of shrubs a 50/50 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 2/3 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.

9. 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 mulch annual flower beds (if applicable). Do not allow mulch to contact plant stems and tree trunks.

10. Edging: All planting beds shall be edged with a 4" deep spade edge using a flat landscape spade or a mechanical edger. Bedlines 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.

11. 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):
 3/4 CY Peat Moss or Mushroom Compost
 3/4 CY blended/pulverized Topsoil
 1/4 CY composted manure

In roto-tilled beds only, also include in above mixture:
 2 lbs Starter Fertilizer

12. 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 as 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

13. 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.

14. 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.

15. 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.

PLANT KEY	QUANTITY	PLANT MATERIAL PROPOSED		CALIPER SIZE	ROOT	SPECIFICATION / NOTES	PLANT SPACING
		BOTANICAL NAME	COMMON NAME				
Proposed Landscape Construction Preparation							
	1	Remove 38" Elm tree at the northwest corner of lot					
	2	Remove 6" Maple trees along the south lot line					
	1	Remove 22" Elm tree at the east end of lot					
	1	Remove 30" Elm tree at the east end of lot					
	2	Remove Hawthorn trees along the north lot line					
	1	Remove 8" Maple tree near southeast corner					

PLANT KEY	QUANTITY	PLANT MATERIAL PROPOSED		CALIPER/HEIGHT SIZE	ROOT	SPECIFICATION / NOTES	PLANT SPACING
		BOTANICAL NAME	COMMON NAME				
Proposed Landscape Materials							
SHADE TREES (DECIDUOUS)							
PPH	2	Cellis occidentalis 'Prairie Pride'	Prairie Pride Hackberry	2.5"	B&B	Straight central leader, full and even crown. Prune only after planting	
SHL	2	Gleditsia triacanthos 'Skyline'	Skyline Honeylocust	2.5"	B&B	Straight central leader, full and even crown. Prune only after planting	
AGG	1	Gingko biloba 'Autumn Gold'	Autumn Gold Maidenhair	2.5"	B&B	Straight central leader, full and even crown. Prune only after planting	

PLANT KEY	QUANTITY	PLANT MATERIAL PROPOSED		HEIGHT SIZE	ROOT	SPECIFICATION / NOTES	PLANT SPACING
		BOTANICAL NAME	COMMON NAME				
EVERGREEN TREES							
HCI	7	Juniperus chinensis 'Hetzli Columnaris'	Hetzli Columnar Juniper (upright)	5'-6"	B&B	Evenly shaped tree with branching to the ground	42"
FVJ	4	Juniperus sopulorum 'Fairview'	Fairview Upright Juniper (upright)	5'-6"	B&B	Evenly shaped tree with branching to the ground	60"
TA	4	Thuja occidentalis 'Techny'	Techny Arborvitae	60"	B&B	Evenly shaped tree with branching to the ground	60"

PLANT KEY	QUANTITY	PLANT MATERIAL PROPOSED		SHRUB SIZE (HEIGHT)	ROOT/CONT.	SPECIFICATION / NOTES	PLANT SPACING
		BOTANICAL NAME	COMMON NAME				
EVERGREEN SHRUBS							
GVB	6	Buxus 'Green Velvet'	Green Velvet Boxwood	15" HT	Cont.	Full rounded well branched shrub	24-30"
SGJ	3	Juniperus chinensis 'Sea Green'	Sea Green Juniper	#5	Cont.	Full rounded well branched shrub	54"

PLANT KEY	QUANTITY	PLANT MATERIAL PROPOSED		SHRUB SIZE (HEIGHT)	ROOT/CONT.	SPECIFICATION / NOTES	PLANT SPACING
		BOTANICAL NAME	COMMON NAME				
DECIDUOUS SHRUBS							
GLS	7	Rhus aromatica 'Gro-Low'	Gro Low Fragrant Sumac	#5	Cont.	Full, well rooted plant, evenly shaped	42"
KCSR	3	Rosa 'Knock Out'	Knock Out Shrub Rose	18"	Cont.	Full, well rooted plant, evenly shaped	48"
PPSR	7	Rosa rugosa 'Pink Pavement'	Pink Pavement Series Rose	18"	Cont.	Full, well rooted plant, evenly shaped	42"
GMS	9	Spiraea xbumalda 'Goldmound'	Goldmound Spiraea	24"	Cont.	Full, well rooted plant, evenly shaped	36"
WRW	3	Wiegelia florida 'Wine & Roses'	Wine & Roses Compact Wiegelia	24"	Cont.	Full, well rooted plant, evenly shaped	42"

PLANT KEY	QUANTITY	PLANT MATERIAL PROPOSED		CONTAINER SIZE		SPECIFICATION / NOTES	PLANT SPACING
		BOTANICAL NAME	COMMON NAME				
ORNAMENTAL GRASSES							
KFRG	42	Calamagrostis acutiflora 'Karl Foerster'	Karl Foerster Feather Reed Grass	#1	Cont.	Full, well rooted plant	15-18"
ORG	5	Calamagrostis aestiviflora 'Overdam'	Overdam Feather Reed Grass	#1	Cont.	Full, well rooted plant	15"
DMG	7	Miscanthus sinensis 'Adagio'	Dwarf Maidengrass	#1	Cont.	Full, well rooted plant	42"
PDS	12	Sporobolus heterolepis	Prairie Dropseed	#1	Cont.	Full, well rooted plant	18"

PLANT KEY	QUANTITY	PLANT MATERIAL PROPOSED		CONTAINER SIZE		SPECIFICATION / NOTES	PLANT SPACING
		BOTANICAL NAME	COMMON NAME				
HERBACEOUS PERENNIALS							
HRD	8	Hemerocallis 'Happy Returns'	Happy Returns Daylily	#1	Cont.	Full, well rooted plant, evenly shaped	18"
RRD	25	Hemerocallis 'Rosy Returns'	Rosy Returns Daylily	#1	Cont.	Full, well rooted plant, evenly shaped	18"
KKC	17	Nepeta faassenii 'Kit Cat'	Dwarf Catmint	#1	Pot	Full, well rooted plant, evenly shaped	24"

LAWN	945	Lawn Establishment Area / Grading Area			SY	Cedar Creek Premium Blue Tag Seed Mix (Ph: 888-313-6807)	
	8500	Erosion Matting for sloped seeded areas			SF	EroTex D575 Erosion Control Blanket (or approved equal)	

Landscape Materials							
	2.25	Heritage River Gravel Mulch (1.0-1.5" pieces)		Area: 140SF		TN	2" depth
	150	Landscape Fabric				SF	
	20	Aluminum Edge Restraint (bedline areas)		Permaloc ProSlide 3/16"x5.5" Black Duraflex Finish		LF	In all locations between landscape bed areas and turf areas (not including tree rings)
	21	Shredded Hardwood Mulch (3" depth)		2,250SF		CY	Bark Mulch; apply Preemergent after installation of mulch
	14	Soil Amendments (2" depth)		2,250SF		CY	
	26	Pulverized Topsoil (Lawn Area)		8,500SF		CY	
	14	Pulverized Topsoil (2" over bed areas)		2,250SF		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:
 Reindeer's Deluxe 50 Seed Mix (800-785-3301)
 20% Kentucky Bluegrass (Sod Quality)
 15% Newport Kentucky Bluegrass
 15% Ken Blue Kentucky Bluegrass
 25% Creeping Red Fescue
 15% Quebec Perennial Ryegrass
 10% Fiesta III Perennial Ryegrass
 Seed at rate of 150-200# per acre

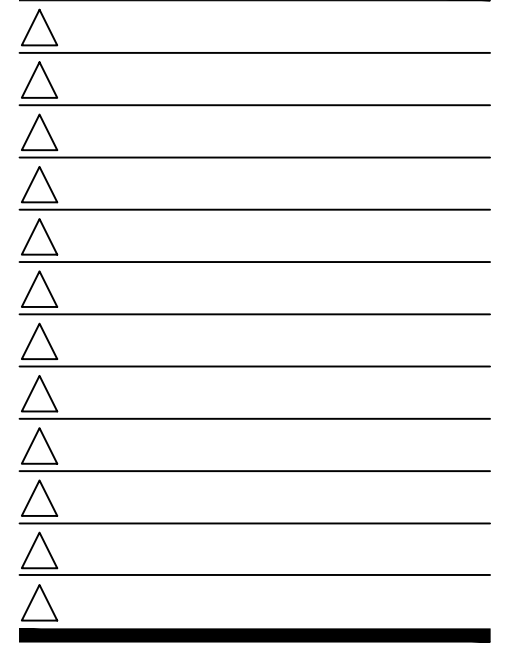
MRV

ARCHITECTS, INC.

409 N. WILLE ST., MT. PROSPECT, IL 60056
 TEL: 847-373-5005 FAX: 224-735-3514

HELLER & ASSOCIATES, LLC
 LANDSCAPE ARCHITECTURE

P.O. Box 1359
 Lake Geneva, Wisconsin 53147
 ph 262.839.9733
 david@wvindheller.com



CONTRACT DATE: 03.21.18
 BUILDING TYPE: EXPLORER MED40
 PLAN VERSION: MARCH, 2017
 SITE NUMBER: XXX-XXX
 STORE NUMBER: XXXXX

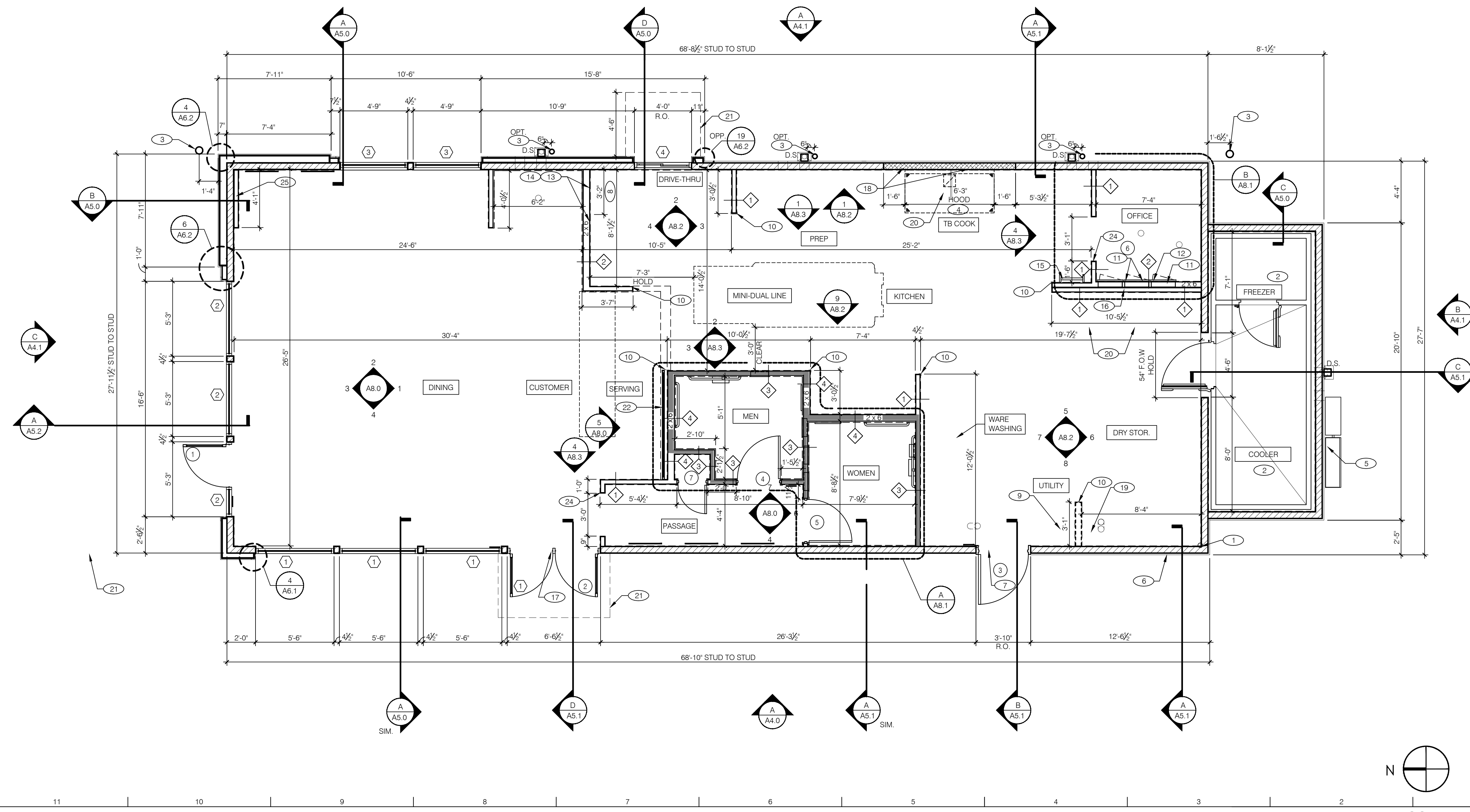
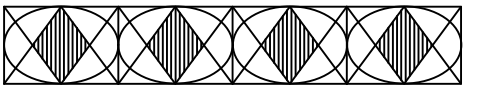
TACO BELL
 2707 N. GRANDVIEW BLVD,
 WAUKESHA, WISCONSIN

SHEET TITLE
LANDSCAPE DETAILS, NOTES & SCHEDULES

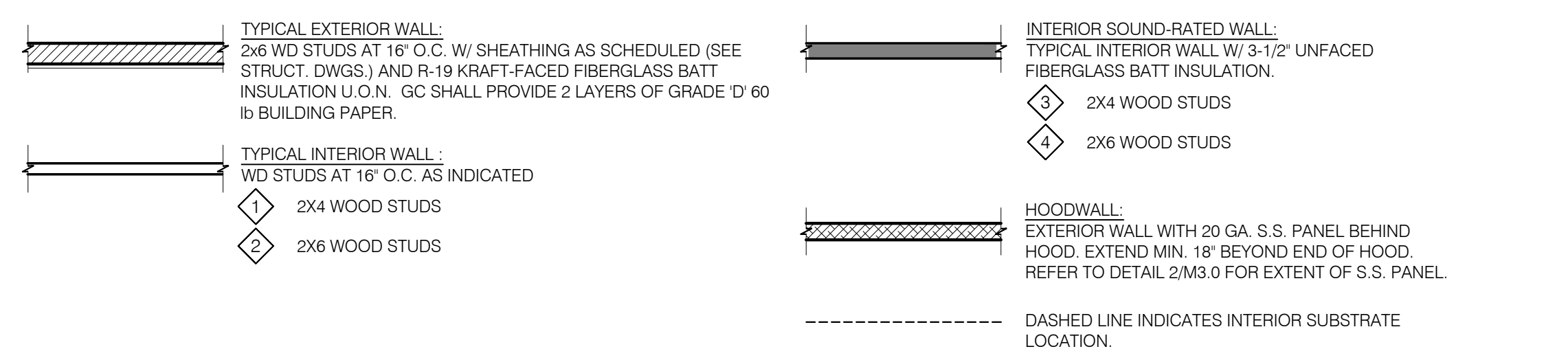
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LANDSCAPE GENERAL NOTES

PLANT & MATERIAL LIST



FLOOR PLAN 1/4" = 1'-0" **A**



WALL SUBSTRATES:

- DINING ROOM: 1/2" GYPSUM WALLBOARD FROM FLOOR SLAB TO 6" ABOVE CEILING HEIGHT U.O.N. SEE 6, 8 & 16 / A6.3. (NOTE: THE CEMENT BOARD SPECIFICATION IS DESIGNED TO ALLOW THE G.C. FLEXIBILITY.)
- KITCHEN WALLS AND DINING ROOM CLOSET: 1/2" CEMENT WALLBOARD FROM T.O. SLAB TO 12" AFF. AT 12" AFF. USE 1/2" CDX PLYWOOD W/FRP SURFACE FINISH TO 6" ABOVE CEILING HEIGHT U.O.N. IF DOUBLE SIDED SHEAR WALL PLYWD IS SPECIFIED THE PLYWOOD SHALL BE CONTINUOUS FROM SILL PLATE TO TOP PLATE. SEE 4, 11 & 20 / A6.3.
- RESTROOM WALLS: 5/8" CEMENT WALLBOARD FROM T.O. SLAB OR T.O. CONCRETE CURB TO 48" A.F.F. WITH 5/8" HI-IMPACT BRAND XP WALLBOARD, TYPE X CORE FROM T.O. CEMENT BOARD TO 6" ABOVE CEILING HEIGHT U.O.N. NO SUBSTITUTIONS ALLOWED. FINISH AS SCHEDULED. SEE 11 (SIM), 12 / A6.3.
- ALL OTHER FRAME WALL CONDITIONS: 1/2" CEMENT WALLBOARD FROM T.O. SLAB OR T.O. CONCRETE CURB TO 48" A.F.F., WITH 1/2" GYPSUM WALLBOARD FROM T.O. CEMENT BOARD TO 6" ABOVE CEILING HEIGHT U.O.N. FINISH AS SCHEDULED.

WALL LEGEND **E**

FLOOR PLAN NOTES

DIMENSIONS:
A. ALL DIMENSIONS ARE TO FACE OF STUD U.O.N. REFER TO FOUNDATION PLAN FOR FACE OF CONC. DIMENSIONS.
B. DIMENSIONS NOTED AS 'CLEAR' OR 'HOLD' ARE MIN. REQ'D. NET CLEARANCE FROM FACE OF WALL / WAINSCOT FINISH. VERIFY FINAL EQUIPMENT SIZES W/ VENDOR PRIOR TO INT. WALL FRAMING.

WINDOWS / DOORS:
A. SEE SHT. A1.1 FOR WINDOW TYPES AND DOOR SCHEDULE.
B. ALL DOOR AND WINDOW OPENING DIMENSIONS ARE TO ROUGH OPENING.

FINISH SUBSTRATES:
A. PROVIDE 1/2" THICK CEMENTITIOUS BD. FROM FLOOR SLAB TO 12" A.F.F. MIN. IN LIEU OF GYP. BD. AT ALL WALLS EXCEPT SHEARWALL SURFACES, U.O.N.
B. ALL JOINTS, GAPS OR SPACES LEADING TO ALL HOLLOW OR INACCESSIBLE SPACES SHALL BE SEALED WITH 'NSF' INTERNATIONAL APPROVED SEALANTS.
C. ALL BACK OF HOUSE AND OFFICE WALLS SHALL HAVE 1/2" CDX PLYWOOD SUBSTRATE, U.O.N.

DECOR:
A. SEE A2.0 FOR SEATING PLAN AND DETAILS.
B. SEE A7.0 FOR FLOOR FINISHES.
C. SEE A8.0 - A8.3 FOR WALL FINISHES.
D. SEE A7.1 FOR CEILING FINISHES.

GENERAL:
A. PROVIDE THREE FIRE EXTINGUISHERS - (2) 10 lb. BC and (1) 10 lb. ABC - TO COMPLY WITH LOCAL FIRE CODE. LOCATE PER DIRECTION OF FIRE MARSHALL OR LOCAL AUTHORIZING AGENT.
B. DRAWINGS ARE BASED UPON WOOD FRAMING. UTILIZATION OF METAL STUDS ON NON-BEARING INTERIOR PARTITIONS, BULKHEADS AND SOFFITS IS ACCEPTABLE.
C. ALL ATTACHMENTS MADE THROUGH E.I.F.S. SHALL BE BUSHED TO PREVENT DAMAGE TO THE FINISH. PER 9/A6.2.
D. ALL PENETRATIONS THROUGH E.I.F.S. SHALL BE SEALED USING MFRS. APPROVED METHOD.

FLOOR PLAN NOTES **D**

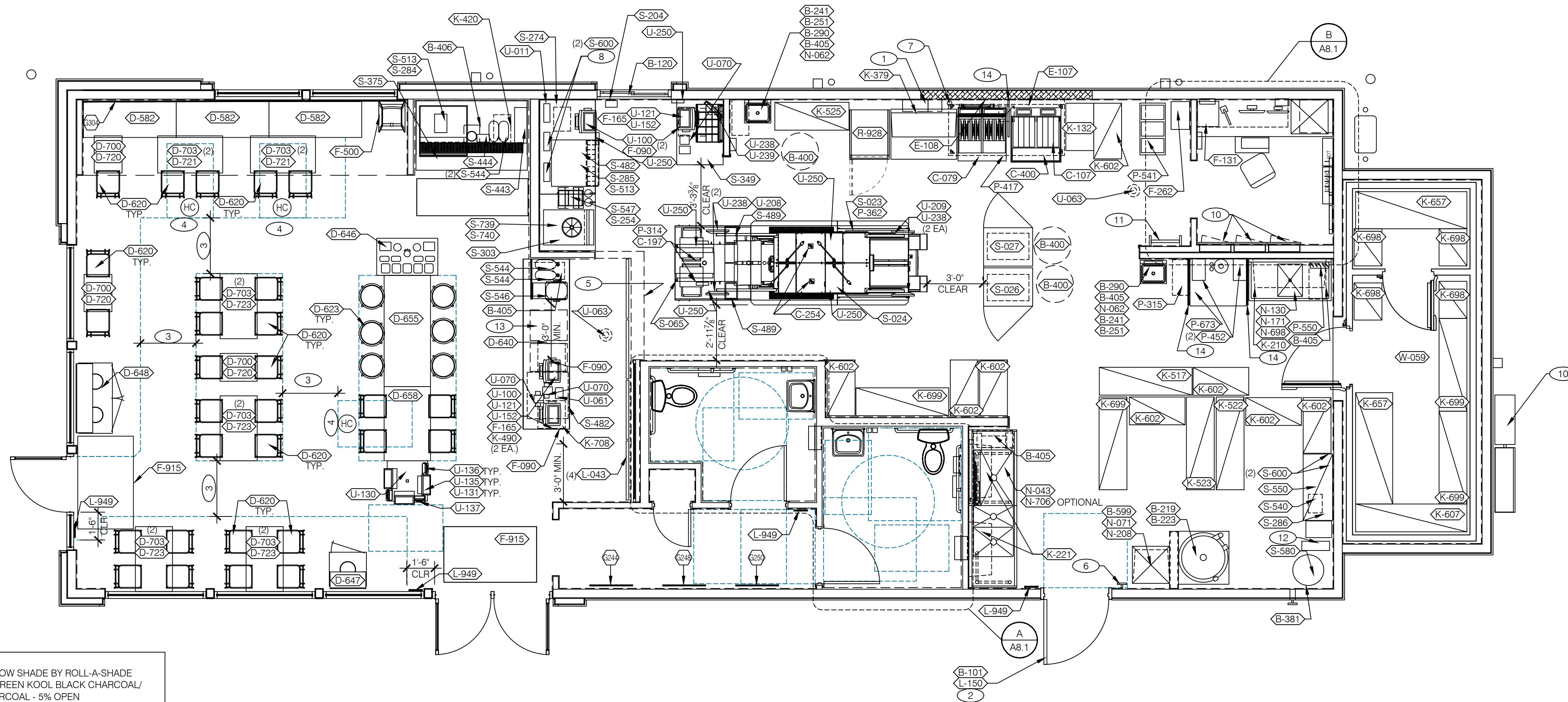
- KEY NOTES**
- 1. STARTING POINT. ALL SUB-TRADES SHALL USE THIS POINT AS A BEGINNING LAY-OUT (INSIDE FACE OF EXT. WALL STUDS).
 - 2. NO FRP BEHIND (W-09B) WALK-IN COOLER/FREEZER.
 - 3. PIPE BOLLARD. SEE DETAIL 8/C1.0.
 - 4. HOOD WALL. SEE WALL LEGEND.
 - 5. ELECTRICAL MAIN SWITCH BOARD. REFER TO ELECT. DWGS.
 - 6. CO2 FILL BOX LOCATION.
 - 7. TILE TO METAL THRESHOLD.
 - 8. KEEP CLEAR FOR UTILITIES & SYRUP LINES. SEE DETAIL 14 & 19/A6.4 FOR STUD LAYOUT REQUIREMENTS.
 - 9. MOP SINK. REFER TO SHEET A2.0 & A2.1.
 - 10. S.S. CORNER GUARD / WALL CAP [TM-2]. TYP. ALL CORNERS IN BACK-OF-HOUSE FROM REAR WALL TO THE KITCHEN SIDE OF THE SERVICE COUNTER. SEE DETAIL 19/A6.3.
 - 11. ELECT. PANELS RECESSED IN 2x6 WALL.
 - 12. LIGHTING CONTROL PANEL RECESSED. REFER TO ELECT. DWGS.
 - 13. SYRUP LINE CHASE (ABOVE). SEE DETAIL 19/A6.4.
 - 14. 14"x14" HORIZONTAL OPENING FOR SYRUP TUBES. COORDINATE WALL PENETRATION WITH COUNTER INSTALLER. SEAL CHASE TO COUNTER. SEE 11/A6.4.
 - 15. ROOF LADDER SEE 4/A6.0.
 - 16. ADD SECOND 2X4 WALL ON KITCHEN SIDE.
 - 17. REMOVABLE ASTRAGAL FROM INSIDE ONLY.
 - 18. METAL STUDS REQUIRED PER LOCAL CODES.
 - 19. INDICATES WATER HEATER LOCATION.
 - 20. SPLASH GUARD. SEE DETAIL 9/A6.3.
 - 21. LINE OF CANOPY ABOVE.
 - 22. LIGHTED WALL. REFER TO DETAIL 5/A8.0.
 - 23. NOT USED.
 - 24. CASED OPENING, REFER TO DETAIL 7/A6.4.
 - 25. FUR OUT WALL AS INDICATED WITH 2X4 WOOD STUDS AT 16" O.C.

KEY NOTES **B**



CONTRACT DATE: 03.19.18
BUILDING TYPE: EXPLORER MED40
PLAN VERSION: JANUARY, 2019
SITE NUMBER: XXX-XXX
STORE NUMBER: XX-XXXX

TACO BELL
2707 N. GRANDVIEW BLVD.
WAUKESHA, WI



NTD:
 OPTIONAL: WINDOW SHADE BY ROLL-A-SHADE MATERIAL - E SCREEN KOOL BLACK CHARCOAL/CHARCOAL - 5% OPEN FASCIA - APPROVED IF FRANCHISEE REQUESTS - CLEAR ANODIZED CONTACT - ANDREW STRICKLIN 951-245-5077 ANDREW.STRICKLIN@ROLLASHADE.COM



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CONTRACT DATE: 03.19.18
 BUILDING TYPE: EXPLORER MED40
 PLAN VERSION: APRIL, 2019
 SITE NUMBER: XXX-XXX
 STORE NUMBER: XX-XXXX

TACO BELL
 2707 N. GRANDVIEW BLVD.
 WAUKESHA, WI

EQUIPMENT AND SEATING PLAN

A2.0

PLOT DATE:

EQUIPMENT/SEATING PLAN 1/4"=1'-0" A

SYM.	QTY.	ITEM	SYM.	QTY.	ITEM
			D-721	2	24" X 42" ADA TABLE TOP - PLYWOOD
D-582	3	PINE PLANK SETTEE BOOTHS - 60"	D-723	4	24" X 42" TABLE TOP - PLYWOOD
D-620	29	RETRO CHAIR - 18"	D-750	TBD *	WINDOW SILL
D-623	6	BARREL BARSTOOL - 29"	D-753	TBD *	WAINSCOTING
D-640	1	SERVICE COUNTER & POS STATION	D-755	TBD *	CHAIRRAIL * CONSULTANT TO PROVIDE LINEAR FOOTAGE FOR SILLS, CHAIR RAILS AND SHROUDS.
D-646	1	CONDIMENT COUNTER - RECTANGLE			
D-647	1	WASTE ENCLOSURE - SINGLE			
D-648	1	WASTE ENCLOSURE - DOUBLE			
D-655	1	WB HUB TABLE - 72"			
D-656	1	WB HUB TABLE ADA - 48"			
D-700	3	22' X 22' X 28.5"H FREE STANDING TABLE BASE			
D-703	12	22' X 5.5' X 28.5"H FREE STANDING TABLE BASE			
D-720	3	24' X 19' TABLE TOP - PLYWOOD			

SEATING PACKAGE - BY SEATING VENDOR U.O.N. (TOTAL SEATS = 42 INT, 12 EXT.) E

SYM.	QTY.	ITEM	REMARKS
H-200	1	EMQJIS, 28"X40"	SEE A8.0 FOR LOCATION
H-201	1	LINEAR SAUCES, 28"X40"	SEE A8.0 FOR LOCATION
H-202	1	CONCRETE, 28"X40"	SEE A8.0 FOR LOCATION
H-203	1	LINEAR SAUCES WALLPAPER	SEE A8.0 FOR LOCATION

ARTWORK SCHEDULE D

- DECOR
- REFER TO SC SHEETS FOR SCOPE OF WORK RESPONSIBILITIES.
 - (H) - SYMBOL DENOTES A HIGH TABLE OR DINING COUNTER WITH STOOLS.
 - (HC) - SYMBOL DENOTES A HANDICAP ACCESSIBLE TABLE.

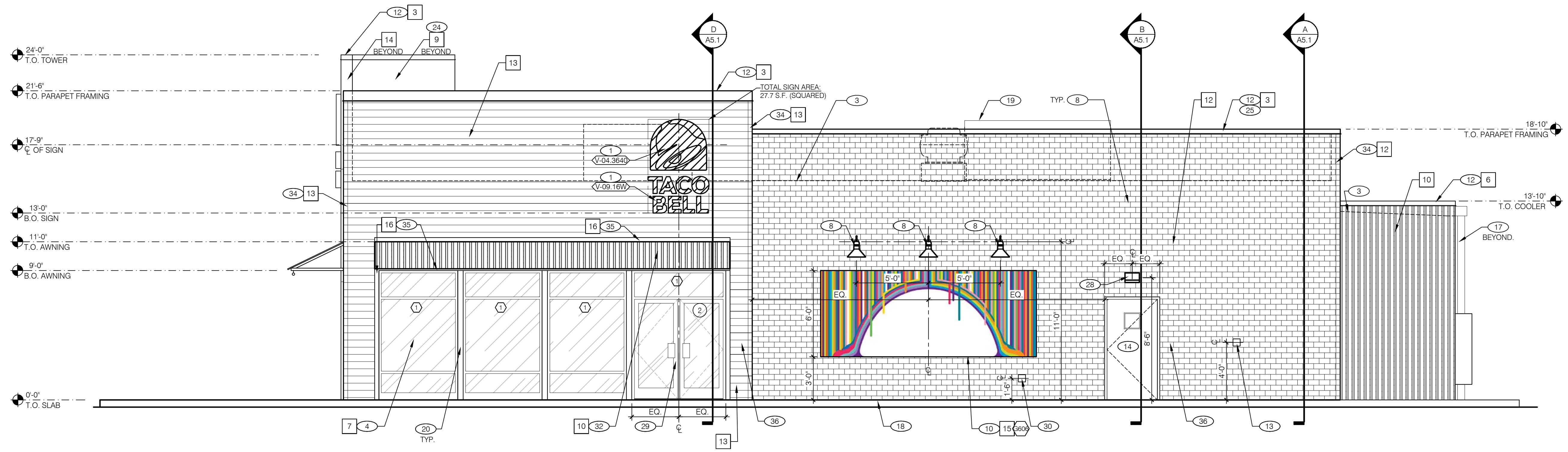
GENERAL NOTES C1

STORAGE TYPE	LINEAR FT.
DRY STORAGE	53
COLD STORAGE	25
FROZEN STORAGE	10

SHELVING QUANTITIES REQUIRED C2

- HOOD FIRE SUPPRESSION SYSTEM (ANSUL R-102 OR EQUAL).
- SEE SHEET A1.1 FOR SECURITY DOOR PACKAGE.
- MAINTAIN 36" MIN CLEAR ACCESSIBLE AISLE EGRESS PATHS TO EXIT DOORS. 32" AT DOORWAYS AND CASSED OPENINGS. (42" AISLE REQUIRED WHEN AISLE SERVES MORE THAN 50 SEATS)
- 30' x 48" CLEAR FLOOR SPACE FOR HANDICAP ACCESS.
- ALERT LIGHT BOX FOR 3-COMP POWER SOAK.
- PULL STATION @ 3'-8" A.F.F.
- GAS LINE DOWN TO EQUIPMENT.
- COORDINATE LOCATION OF HORIZ PVC SYRUP CHASE THRU WALL TO COUNTER.
- NOT USED.
- SWITCHGEAR / ELECTRIC PANELS.
- ROOF LADDER, SEE DETAILS 4 & 7/A6.0.
- 8' LADDER.
- SAFE.
- SPLASH GUARD. SEE 9 / A6.3.

KEYNOTES B



RIGHT SIDE ELEVATION 1/4"=1'-0" **A**

MISCELLANEOUS
A. SEE SHT A1.1 "WINDOW TYPES" FOR WINDOW ELEVATIONS.

SEALERS (REFER TO SPECS):
A. SEALANT AT ALL WALL AND ROOF PENETRATIONS.
B. SEALANT AT ALL WINDOW AND DOOR FRAMES AT HEAD AND JAMB. DO NOT SEAL SILL @ WINDOWS.
C. APPLY NEOPRENE GASKET (CONT.) BETWEEN BUILDING & CANOPY.

"CRITICAL" DIMENSIONS:
A. REQUIRED CLEAR OPENING WIDTH TO ENSURE COORDINATION WITH STANDARD SIGNAGE/ BUILDING ELEMENTS DIMENSIONS.

NOTE: NO EXTERIOR SIGNS ARE WITHIN THE SCOPE OF WORK COVERED BY THE BUILDING PERMIT APPLICATION. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE INSTALLATION OF ALL EXTERIOR SIGNS AND INSTALLATION OF REQUIRED BLOCKING AND ELECTRICAL CONNECTIONS FOR FINAL APPROVED SIGNS.

#	QTY	ITEM DESCRIPTION	REMARKS
G-301	1	EXTERIOR MURAL - LINEAR BELLS	
G-606	1	EXTERIOR MURAL - TACO PAINT DRIPS	

NOTE: SIGNAGE UNDER SEPARATE PERMIT

V-XXX	QTY	ITEM DESCRIPTION	ELEC
V-04.3640	2	TB 3'-6" x 4'-0" LARGE SWINING BELL, PURPLE LOGO - FACE LIT	X
V-09.16W	3	TB 16" CHANNEL LETTER WHITE	X
V-02.33	1	33 SF MONUMENT SIGN WITH BREAKFAST	X

NOT USED N.T.S. **I**

NOT USED N.T.S. **G**

GENERAL NOTES **F**

ARTWORK SCHEDULE N.T.S. **E**

SIGN SCHEDULE N.T.S. **C**

SYMBOL	AREA	MANUFACTURER	COLOR	ALTERNATE MFR.	ALTERNATE COLOR	CONTACT INFORMATION
1	CANOPY RAFTER/ BEAM PAINT	SHERWIN WILLIAMS	SW3022 "WOODSCAPES BLACK ALDER"			SHERWIN WILLIAMS: BRAD HARRINGTON, 216-228-54988 (PHONE), BRAD.E.HARRINGTON@SHERWIN.COM (EMAIL)
2	CANOPY COLUMN PAINT	SHERWIN WILLIAMS	SW 7062 ROCK BOTTOM			
3	PARAPET CAP (TOWER)	DUROLAST (25)	MEDIUM BRONZE (FACTORY FINISH)	SHERWIN WILLIAMS	SW 7069 "IRON ORE"	DURO-LAST; LEE COBB, 800-434-3876 (PHONE)
4	PARAPET CAP (FRONT)	DURALAST	SHERWIN WILLIAMS SW6832 "IMPULSE PURPLE" EGGSHELL (P-4)			
5	PARAPET CAP (SIDES)	DUROLAST (25)	REGAL WHITE (FACTORY FINISH)			
6	PARAPET CAP (COOLER)	DUROLAST (25)	GALVALUME PLUS (FACTORY FINISH)			
7	STOREFRONT WINDOWS	TBD	CLEAR ANODIZED			
8	PIPE BOLLARDS	STREET SMART	YELLOW - 1/4" THICK PLASTIC COVER (US.POSTMAN.COM) OR EQUAL			
9	PARAPET BACK ROOFING	DUROLAST	THE COLOR SHALL BE FACTORY COLORED "TAN." EQUAL ALTERNATE ALLOWED.			DURO-LAST; LEE COBB, 800-434-3876 (PHONE)
10	AWNING, PATIO ROOF, COOLER WALL	BERRIDGE	S-DECK PREWEATHERED GALVALUME			
11	FIBER CEMENT PANELS	NICHIHA - VINTAGEWOOD	CEDAR			NICHIHA; CHRIS TATE, 404-538-1261 (PHONE), ctate@nichiha.com (EMAIL)
12	FIBER CEMENT BRICK PANELS	NICHIHA - VINTAGEBRICK	WHITE WASH			
13	FIBER CEMENT PANELS	NICHIHA - ROUGH SAWN	"SMOKE"			NICHIHA; CHRIS TATE, 404-538-1261 (PHONE), ctate@nichiha.com (EMAIL)
14	METAL PANELS	WESTERN STATES METAL ROOFING	18" A606-4 RUSTWALL PANELS			WESTERN METAL DECK; RUSTY FAILS - RUSTY@METALDECK.COM - WWW.METALDECK.COM
15	WALL MURAL	THIS STUFF WORKS	TSW8 ACRYL+MASTER GRAFFITI RESISTANT COATING			
16	FIBER CEMENT BOARD TRIM	JAMES HARDIE	HARDIETRIM - 5/4" X 3 1/2" SMOOTH			

EXTERIOR FINISH SCHEDULE **H**

- 1 BUILDING SIGN, BY VENDOR. SEE STRUCTURAL BLOCKING ELEVATIONS, SHEET S5.0 FOR MORE INFORMATION. SEE ELECTRICAL PLANS FOR POWER REQUIREMENTS.
- 2 DRIVE THRU WINDOW. SEE SHEET A1.0 AND A1.1.
- 3 DASHED LINE INDICATES ROOF BEYOND.
- 4 STOREFRONT, TYPICAL.
- 5 TUBE STEEL POST. SEE STRUCTURAL DWGS.
- 6 SWITCH GEAR. PAINT TO MATCH WALL.
- 7 CORRUGATED METAL ROOF.
- 8 GOOSENECK LAMP.
- 9 ASSUME D/T LANE SURFACE IS 6" BELOW THE FINISH FLOOR. REFER TO GRADING & SITE PLAN.
- 10 DASHED BOX INDICATES AREA OF PAINTED 15'W x 6'H WALL MURAL.
- 11 TOWER WITH METAL PANEL FINISH.
- 12 PARAPET CORING. IF DURO-LAST EDGE TRIM IS USED. USE THE DURO-LAST PRE-FINISHED EDGE TRIM. SEE DETAIL 2/A6.0.
- 13 CO2 FILLER VALVE & COVER. SEE DETAIL 5/A6.2 SIM.
- 14 PAINT DOOR TO MATCH BRICK PANELS - SHERWIN WILLIAMS, SW 6098 PACER WHITE.
- 15 GAS SERVICE.
- 16 WALL SHALL BE FINISHED PRIOR TO INSTALLATION OF SWITCHGEAR.
- 17 SCUPPER, COLLECTOR, AND VERTICAL DOWNSPOUT 6" MIN. PAINT TO MATCH ADJACENT WALL.
- 18 CONCRETE CURB.
- 19 RTU BEYOND. PAINT TO MATCH MAIN BUILDING COLOR.
- 20 BREAK METAL COVER OVER WOOD STUDS TO MATCH STOREFRONT. SEE 3/A6.1
- 21 OVERFLOW SCUPPER
- 22 WOOD RAFTERS. SEE STRUCTURAL DWGS.
- 23 BOLLARD
- 24 DUROLAST SINGLE MEMBRANE ROOFING OR EQUAL.
- 25 IF THE DURO LAST PARAPET CAP TRIM IS USED IT SHALL NOT BE PAINTED.
- 26 WOOD HEADER BEAM. SEE STRUCTURAL DWGS.
- 27 NOT USED.
- 28 WALL PACK LIGHT FIXTURE.
- 29 STOREFRONT DOOR. REFER TO DOOR SCHEDULE.
- 30 HOSE BIBB LOCATION. REFER TO PLUMBING AND DETAIL 8/A6.2
- 31 GUTTER AND DOWNSPOUT. PAINT TO MATCH COLUMN
- 32 METAL AWNING - BY OTHERS
- 33 4" Ø BOLLARDS AT ALL DOWNSPOUTS.
- 34 PRE-FAB CORNER TO MATCH FIBER CEMENT PANEL.
- 35 3/4" FIBER CEMENT BOARD TRIM - PAINT TO MATCH ADJACENT FIBER CEMENT BOARD PANEL.
- 36 KNOX BOX.

KEY NOTES **D**

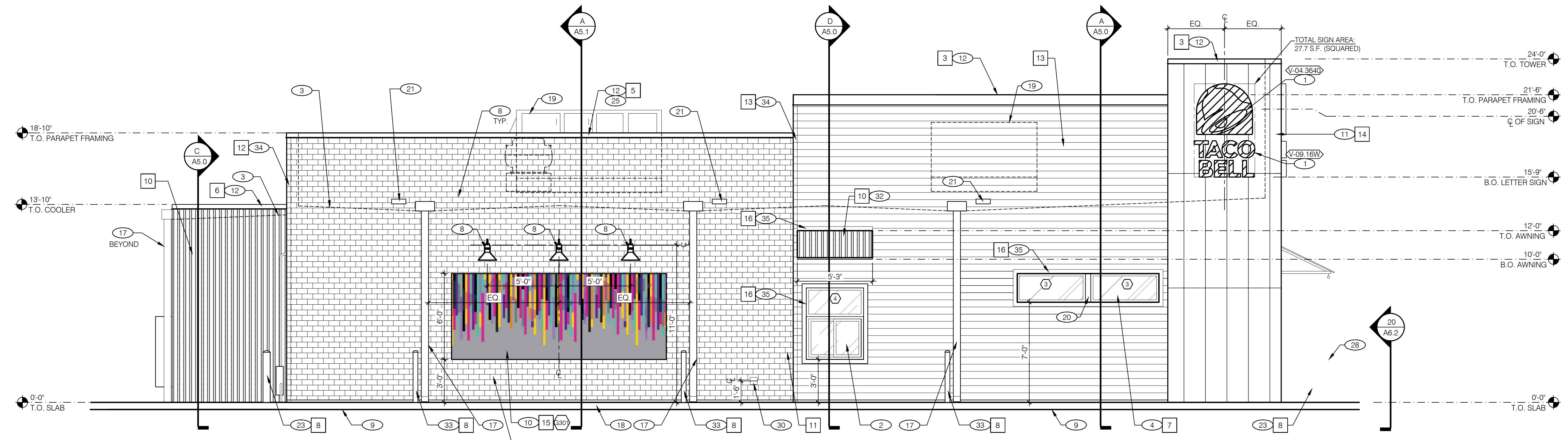
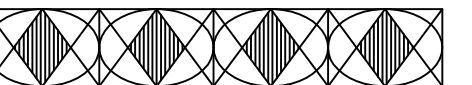


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BUILDING TYPE: EXPLORER MED40
PLAN VERSION: APRIL, 2019
SITE NUMBER: XXX-XXX
STORE NUMBER: XXX-XXXX

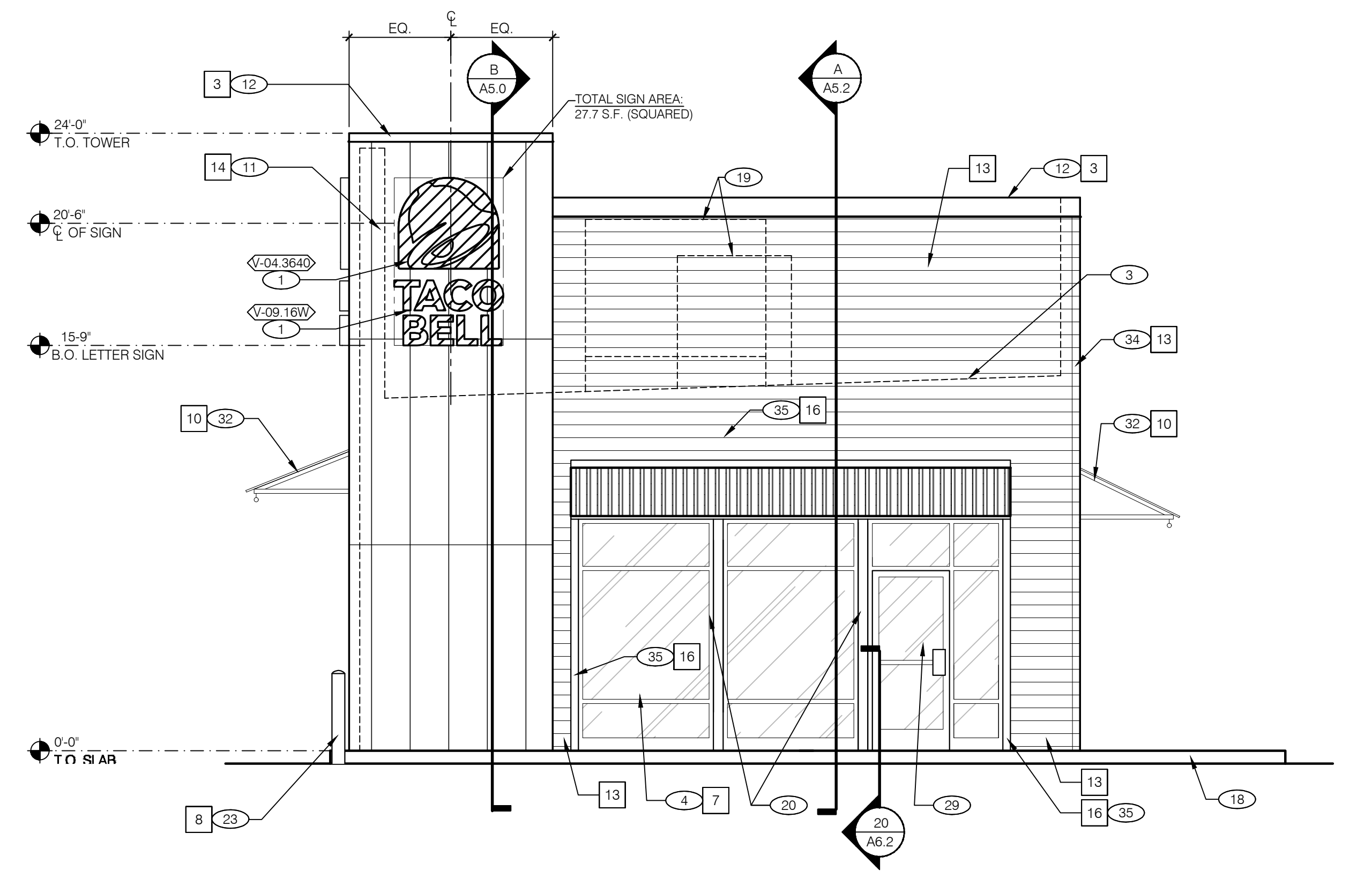
TACO BELL
2707 N. GRANDVIEW BLVD.
WAUKESHA, WI

EXTERIOR ELEVATIONS
A4.0

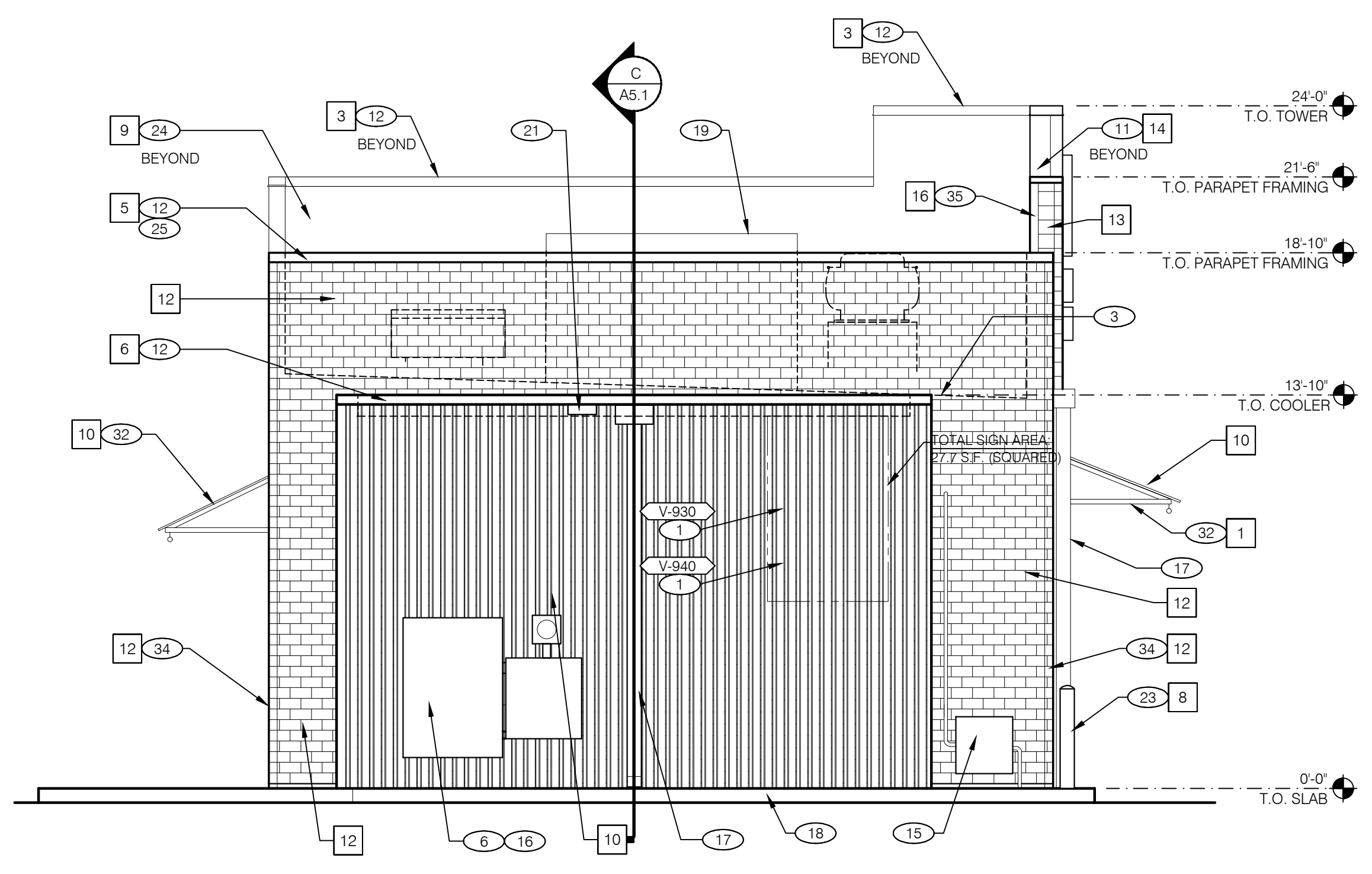
PLOT DATE:



LEFT SIDE ELEVATION 1/4" = 1'-0" A



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



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



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CONTRACT DATE: 03.19.18
BUILDING TYPE: EXPLORER MED40
PLAN VERSION: APRIL, 2019
SITE NUMBER: XXX-XXX
STORE NUMBER: XX-XXXX

TACO BELL
2707 N. GRANDVIEW BLVD.
WAUKESHA, WI

EXTERIOR ELEVATIONS

A4.1

PLOT DATE:



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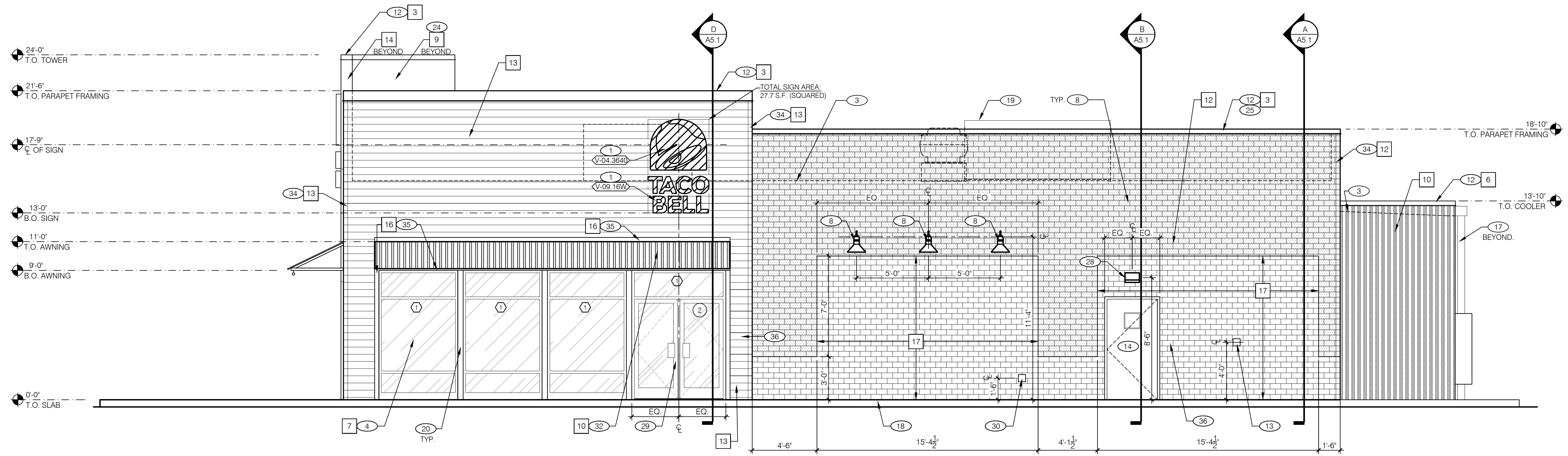
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PLAN VERSION: APRIL, 2019
SITE NUMBER: XXX-XXX
STORE NUMBER: XX-XXXX

TACO BELL
2707 N. GRANDVIEW BLVD.
WALKESHA, WI

RENDERED EXTERIOR ELEVATIONS

A4.0

PLOT DATE:



RIGHT SIDE ELEVATION 1/4"=1'-0" **A**

MISCELLANEOUS
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C. APPLY NEOPRENE GASKET (CONT.) BETWEEN BUILDING & CANOPY.

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NOT USED N.T.S. **B**

NOTE: SIGNAGE UNDER SEPARATE PERMIT

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V-09.16W	3	TB 16" CHANNEL LETTER WHITE	X
V-02.33	1	33 SF MONUMENT SIGN WITH BREAKFAST	X

NOT USED N.T.S. **I**

NOT USED N.T.S. **G**

GENERAL NOTES **F**

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17	FIBER CEMENT BRICK PANELS	NICHIHA - VINTAGEBRICK	ALEXANDRIA BUFF			

EXTERIOR FINISH SCHEDULE **H**

- NOT USED** N.T.S. **E**
- 1 BUILDING SIGN, BY VENDOR. SEE STRUCTURAL BLOCKING ELEVATIONS, SHEET S5.0 FOR MORE INFORMATION. SEE ELECTRICAL PLANS FOR POWER REQUIREMENTS.
 - 2 DRIVE THRU WINDOW. SEE SHEET A1.0 AND A1.1.
 - 3 DASHED LINE INDICATES ROOF BEYOND.
 - 4 STOREFRONT, TYPICAL.
 - 5 TUBE STEEL POST. SEE STRUCTURAL DWGS.
 - 6 SWITCH GEAR. PAINT TO MATCH WALL.
 - 7 CORRUGATED METAL ROOF.
 - 8 GOOSENECK LAMP.
 - 9 ASSUME D/T LANE SURFACE IS 6" BELOW THE FINISH FLOOR. REFER TO GRADING & SITE PLAN.
 - 10 NOT USED.
 - 11 TOWER WITH METAL PANEL FINISH.
 - 12 PARAPET COPING. IF DURO-LAST EDGE TRIM IS USED. USE THE DURO-LAST PRE-FINISHED EDGE TRIM. SEE DETAIL 2/A6.0.
 - 13 CO2 FILLER VALVE & COVER. SEE DETAIL 5/A6.2 SIM.
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- NOT USED** N.T.S. **C**
- SIGN SCHEDULE** N.T.S. **C**
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 - 18 CONCRETE CURB.
 - 19 RTU BEYOND. PAINT TO MATCH MAIN BUILDING COLOR.
 - 20 BREAK METAL COVER OVER WOOD STUDS TO MATCH STOREFRONT. SEE 3/A6.1
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 - 23 BOLLARD
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 - 29 STOREFRONT DOOR. REFER TO DOOR SCHEDULE.
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 - 35 3 1/2" FIBER CEMENT BOARD TRIM - PAINT TO MATCH ADJACENT FIBER CEMENT BOARD PANEL.
 - 36 KNOX BOX.

KEY NOTES **D**



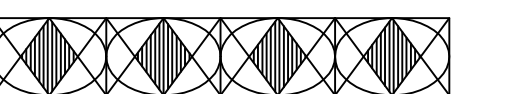
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BUILDING TYPE: EXPLORER MED40
PLAN VERSION: APRIL, 2019
SITE NUMBER: XXX-XXX
STORE NUMBER: XXX-XXXX

TACO BELL
2707 N. GRANDVIEW BLVD.
WAUKESHA, WI

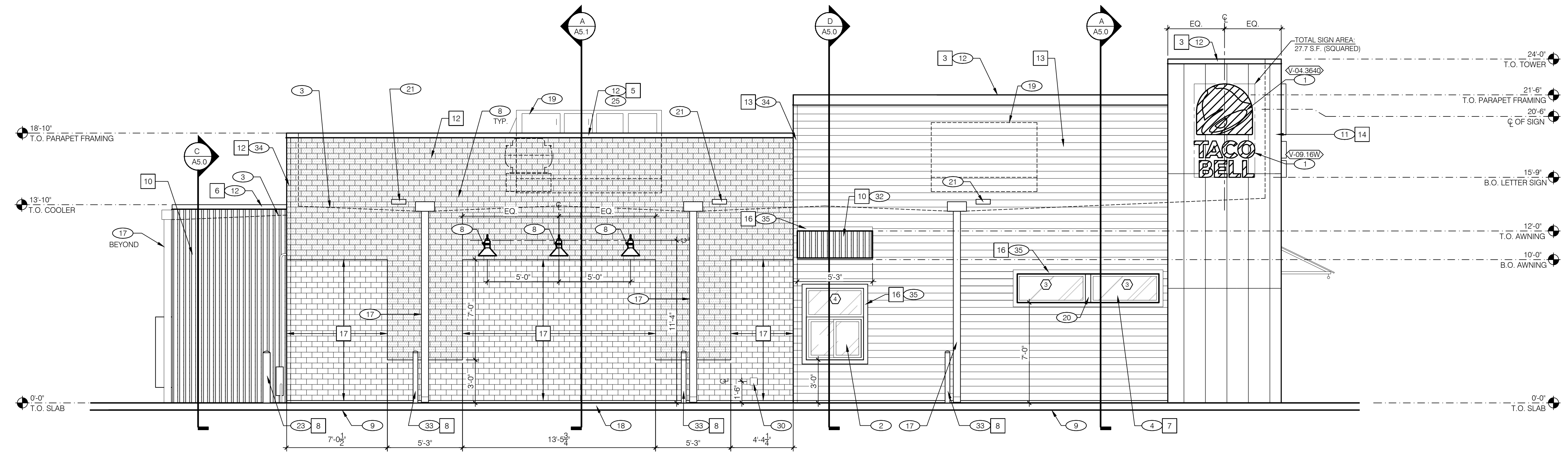
EXTERIOR ELEVATIONS (ALT)

A4.0

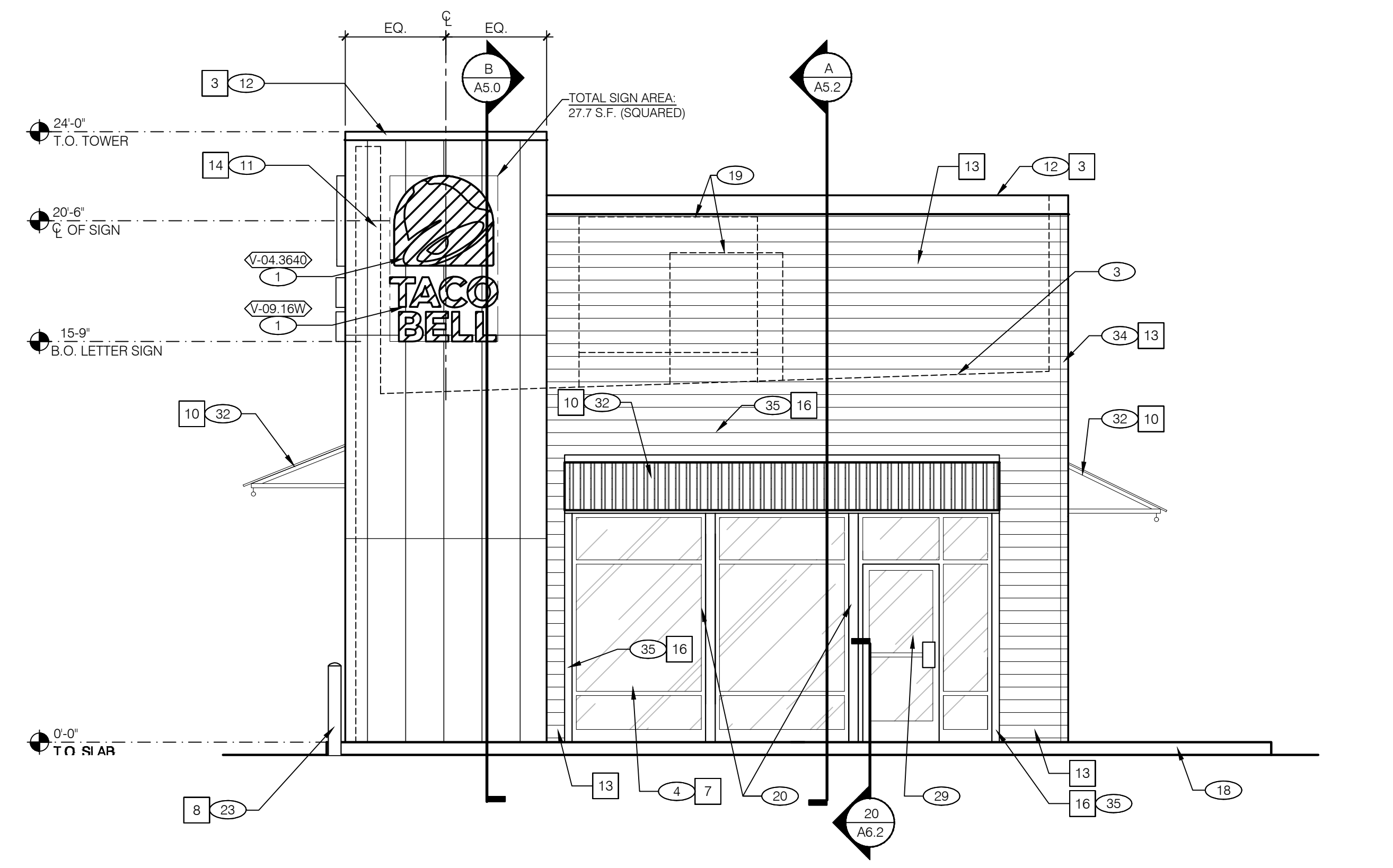
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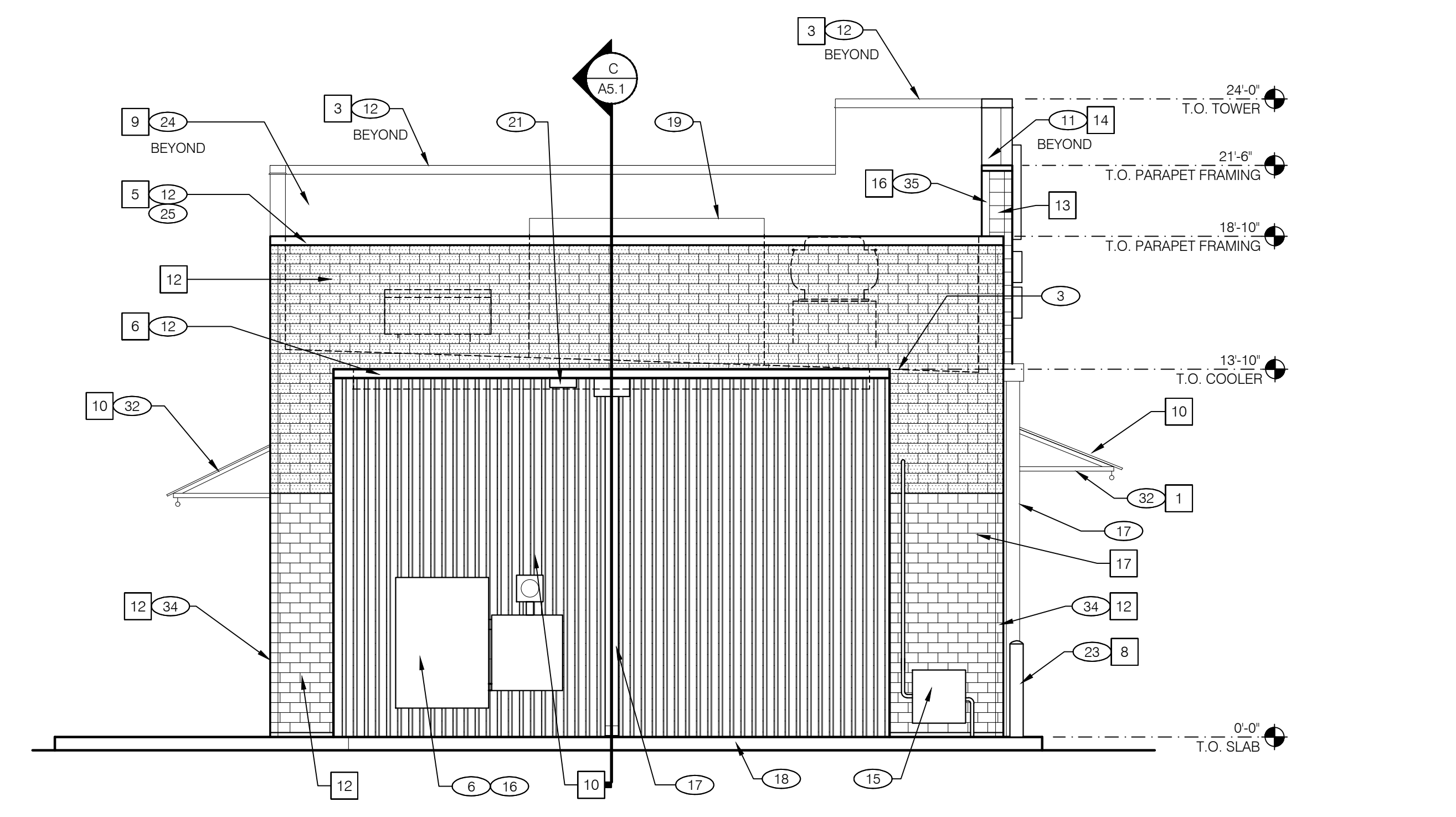
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LEFT SIDE ELEVATION 1/4" = 1'-0" A



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



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



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CONTRACT DATE: 03.19.18
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TACO BELL
2707 N. GRANDVIEW BLVD.
WAUKESHA, WI

EXTERIOR ELEVATIONS (ALT)

A4.1

PLOT DATE:



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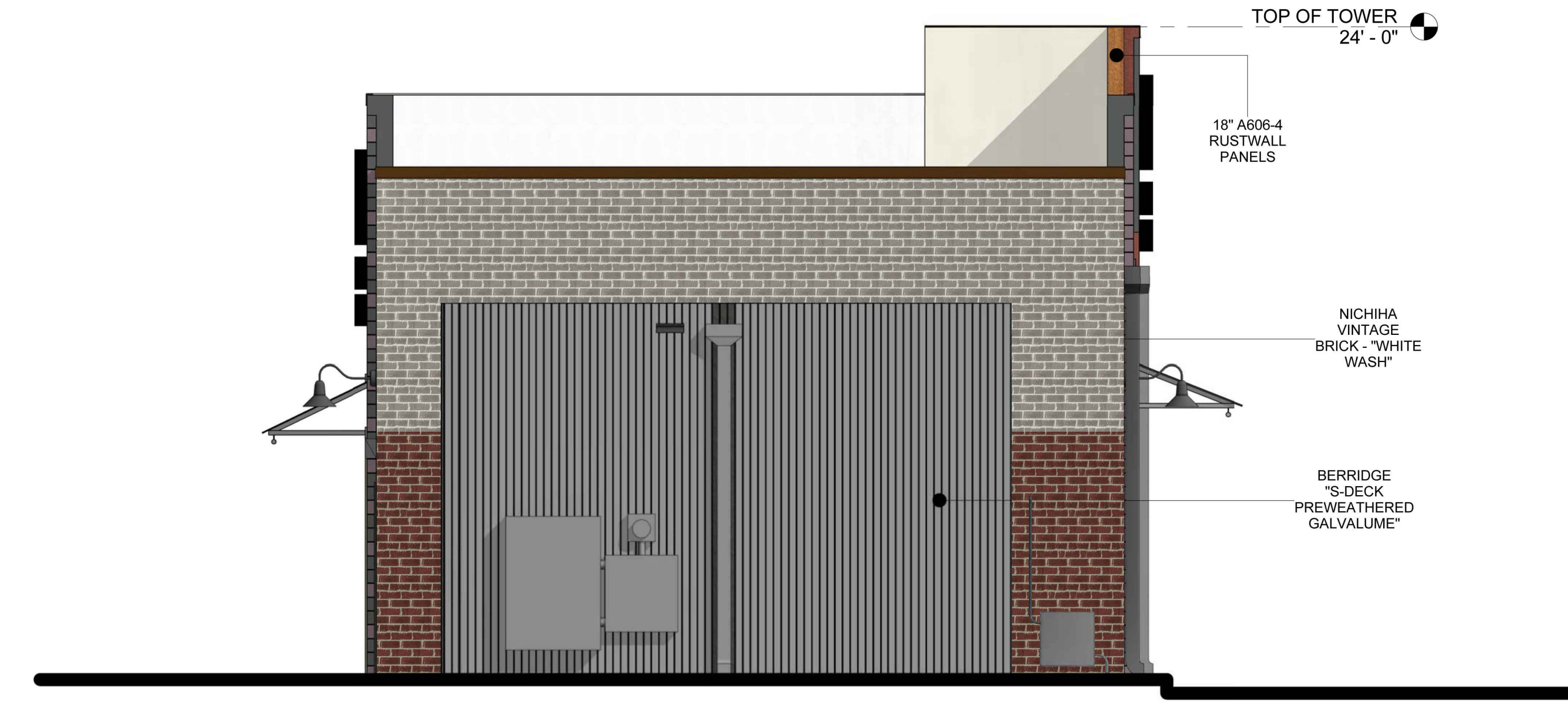
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TACO BELL
2707 N. GRANDVIEW BLVD.
WALKESHA, WI

RENDERED EXTERIOR ELEVATIONS

A4.0

PLOT DATE:



3 1/4" = 1'-0"



4 1/4" = 1'-0"



2 1/4" = 1'-0"



1 1/4" = 1'-0"

CIMARRON LED

Cat.#

Job

Type



HUBBELL
Outdoor Lighting

Approvals

SPECIFICATIONS

Construction:

- Stylish vertically finned die-cast solid top housing for maximum heat dissipation; Stops collection of unsightly debris from gathering on top of the housing
- Rugged lower die-cast aluminum heat sink accelerates thermal management and optimizes PCB and optical performance
- Separate optical and electrical compartment for optimum component operation
- One piece die cut silicone gasket ensures weather proof seal around each individual LED for IP65 rating
- Backlight Control (BC) option available for 85% spill light reduction, doesn't change fixture appearance or EPA, recommended for Type III and Type IV distributions
- Stamped bezel provides mechanical compression to seal the optical assembly
- Complements the Hubbell Southwest series of outdoor fixtures
- Weight - 45.0 pounds, EPA - 1.3 ft²
- Suitable for applications requiring 3G testing prescribed by ANSI C136.31

Optics:

- Choice of 72 high brightness LED configurations with individual acrylic lenses specially designed for IES Type II, III, IV and V distributions
- Auto optics designed for front row 1A and interior rows 2A (see distribution under ordering and page 2)
- CCT: 3000K (80 CRI), 4000K (70 CRI), 5000K (70 CRI), and turtle friendly Amber LED options

Electrical:

- Universal input voltage 120-277 VAC, 50/60 Hz
- Integral step-down transformer for 347V & 480V
- Ambient operating temperature -40° C to 40° C
- Automatic thermal self-protection
- Drivers have greater than 90% power factor and less than 10% THD
- Optional continuous dimming to 10% or dual circuitry available

- LED drivers have output power over-voltage, over-current protection and short circuit protection with auto recovery
- 1050 mA driver available with 90L configuration for increased lumen output
- LED electrical assembly, including PR devices, consumes no power in the 'off' state
- Surge protection – 20KA; Turns fixture off at end of life; Includes LED for end of life indication (see surge suppressor page 4)

Controls:

- Drivers are 0-10V dimming standard. Photocell, occupancy sensor and wireless controls available for complete on/off and dimming control

Lumen maintenance:

- L90 at 60,000 hours (Projected per IESNA TM-21-11)

Installation:

- Two die-cast aluminum arm designs: The decorative arm offers a sleek upswept look while the straight arm follows the housing's contoured lines for continuity of style
- Fixture ships with arm installed for ease of installation and mounts to #2 drill pattern
- Wall bracket, mast arm fitter and pole accessories are also available allowing easy mounting for virtually any application

Finish:

- TGIC thermoset polyester powder paint finish applied at nominal 2.5 mil thickness

Warranty:

Five year limited warranty (for more information visit: <http://www.hubbelloutdoor.com/resources/warranty/>)

Listings:

- Listed to UL1598 and CSA C22.2#250.0-24 for wet locations
- Models meet DesignLights Consortium (DLC) qualifications, consult DLC website for more details: <http://www.designlights.org/QPL>
- IDA approved • IP65

PRODUCT IMAGE(S)



90 LED 3/4 VIEW



30 LED

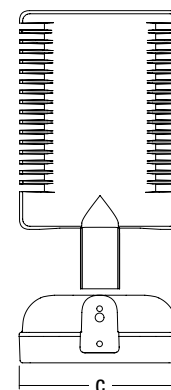
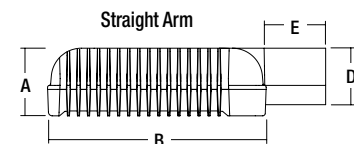
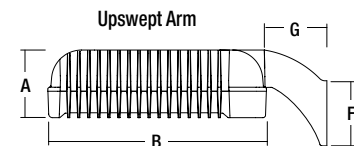


60 LED



90 LED

DIMENSIONS



A	B	C	D	E	F	G
6 3/4" 171mm	21 3/4" 552mm	16" 406mm	6 5/8" 168mm	6 5/16" 160mm	5 5/8" 143mm	6 1/8" 155mm

CERTIFICATIONS/LISTINGS



*3000K and warmer CCTs only

ORDERING INFORMATION SEE NEXT PAGE



HUBBELL
Outdoor Lighting

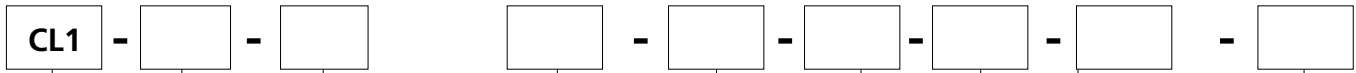
Hubbell Outdoor Lighting • 701 Millennium Boulevard • Greenville, SC 29607 • Phone: 864-678-1000
Due to our continued efforts to improve our products, product specifications are subject to change without notice.



HUBBELL
Lighting

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ORDERING INFORMATION ORDERING EXAMPLE: CL1-A-90LU-5K-3-DB-RPA3



SERIES	NO. OF LEDS	VOLTAGE	CCT	DRIVE CURRENT	OPTIONS
CL1 Cimarron LED	90L 90 High brightness LEDs 60L 60 High brightness LEDs 30L 30 High brightness LEDs	U¹ Universal 120V-277V, 50/60 Hz 1 120V 2 208V 3 240V 4 277V 5 480V, 60 Hz F 347V, 60 Hz E⁴ 220V, 50 Hz	3K 3000K 4K 4000K 5K 5000K AM⁴ Amber (590 nm available for "Turtle Friendly" applications (consult factory))	Leave blank for 700mA (standard) 035 350mA Amber CCT only 105 1050 mA (Not for use with 30L)	BC³ Backlight control CD Continuous dimming WB Wall bracket RPA3 3" Round pole adapter RPA4 4" Round pole adapter RPA5 5" Round pole adapter RPA6 6" Round pole adapter F(X)² Fusing (replace X with voltage: 1-120V, 2-208V, 3-240V, 4-277V, 5-480V, F-347V) VG Vandal guard 7PR Photocell receptacle (7-pin ANSI C136.41—2013 receptacle for use with standard Twist-Lock® photo controls, shunting caps, and ANSI C136.41 external wireless control devices. Select SCL option to add occupancy sensing capability when using with compatible external wireless devices.

MOUNTING

- A** Arm mount construction (6" straight rigid arm included & acceptable for 90° configurations)
- AD** Decorative arm mount const. (6" decorative upswept arm incl. & acceptable for 90° configurations)
- MAF** Mast arm fitter for mounting to standard 2 3/8" mast arm bracket, includes 6" straight rigid arm

DISTRIBUTION

- 2** Type II
- 3** Type III
- 4** Type IV
- 5M** Type V Medium
- 5S** Type V Short
- 5W** Type V Wide
- 2L** Type II Rotated 90° left
- 3L** Type III Rotated 90° left
- 4L** Type IV Rotated 90° left
- 2R** Type II Rotated 90° right
- 3R** Type III Rotated 90° right
- 4R** Type IV Rotated 90° right
- 1A** Auto Front Row Type I
- 1AR** Auto Front Row Type I Rotated 90° right
- 1AL** Auto Front Row Type I Rotated 90° left
- 2A** Auto Front Row Type II
- 2AR** Auto Front Row Type II Rotated 90° right
- 2AL** Auto Front Row Type II Rotated 90° left

COLOR

- DB** Dark Bronze
- BL** Black
- WH** White
- GR** Gray
- PS** Platinum Silver
- RD** Red (premium color)
- FG** Forest Green (premium color)
- CC** Custom Color

Notes: 1 - Fuse option not available with universal voltage
 2 - Select F3 fusing option for 220V
 3 - Recommended for Type III and IV distributions only
 4 - Available in 350mA drive current only Type IV, 5M
 5 - 0-10V fully adjustable dimming with automatic daylight calibration and different time delay settings, must order minimum of one SCP-REMOTE control to program dimming settings (see accessories)
 6 - Not available with AD arm
 7 - Not available with WIR or WIRSC
 8 - Not available with SCO, SCL, SCP or SCPW

CONTROLS GUIDE

As energy codes become more restrictive and we push for sustainable lighting designs, the integration of lighting controls and luminaires have become more and more important. Hubbell Lighting offers numerous outdoor lighting controls solutions for the most demanding applications. Visit the link below to learn more about energy-saving controls.

www.hubbellighting.com/solutions/controls/

PIR MOTION/OCCUPANCY CONTROL OPTIONS

- SCO^{6,7}** On/Off control (line voltage device not for use with 7PR receptacle option and external wireless control devices)
- SCL^{6,7}** Add-on occupancy sensor for use with ext. wireless control device connected thru 7PR receptacle. Consult control manufacturer for compatibility.
- SCP^{5,6,7}** Programmable dimming control (line voltage device not for use with 7PR receptacle option and external wireless control devices). A minimum of one SCP-REMOTE accessory remote control required for configuration; (Standard lens with greater sensitivity; motion detection radius equal to .75 X luminaire mounting height (approx. distance))
- SCPW^{5,6,7}** Programmable dimming control (line voltage device not for use with 7PR receptacle option and external wireless control devices); A minimum of one SCP-REMOTE accessory remote control required for configuration. (Wide lens with motion detection radius equal to 1.3 X luminaire mounting height (approx. distance))

WIRELESS CONTROL OPTIONS

- WIR⁸** wiSCAPE Fixture Module, in-fixture relay for wireless lighting control
- WIRSC^{6,8}** wiSCAPE Fixture Module, in-fixture relay for wireless lighting control and motion/occupancy control

AUTOMOTIVE DEALERSHIP OPTICS

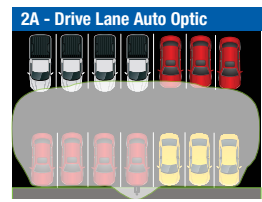
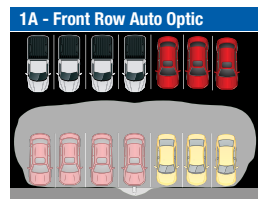
For Automotive Dealership applications Spaulding Lighting has developed two optics designed for enhanced and proper lighting of the auto dealership merchandise and the front row 1A and interior rows 2A (See CL1 distribution information for details)

Optic 1A

- Maximum illumination on front row display
- Maximum pole spacing

Optic 2A

- Excellent front row illumination and drive lane
- Optimal uniformity for drive lane and interior rows



ENERGY SAVING DATA

#LEDS	DRIVE CURRENT	SYSTEM WATTS		DIST. TYPE	5K (5000K nominal, 70 CRI)					4K (4000K nominal, 70 CRI)					3K (3000K nominal, 70 CRI)				
		120-277V	347-480V		LUMENS	LPW ¹	B	U	G	LUMENS	LPW ¹	B	U	G	LUMENS	LPW ¹	B	U	G
		30	700 mA		70W	80W	1A	8244	118	1	0	1	8162	117	1	0	1	6775	97

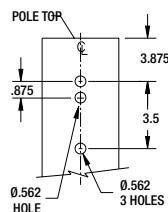
Amber					Drive Current	SYSTEM WATTS 120-277V	#LEDS
LUMENS	LPW ¹	B	U	G			
					350 mA	135W	60
2488		0	0	1			
2533		2	0	1			
3558		1	0	1	350 mA	205W	90
3596		2	0	1			

ACCESSORIES/REPLACEMENT PARTS - Order Separately

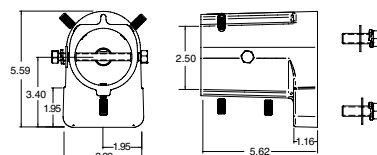
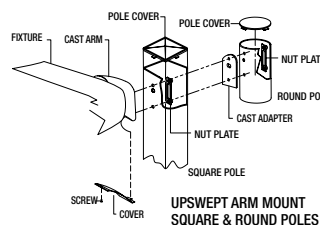
Catalog Number	Description
CR-RPA3-XX ¹	Round pole adapter for straight arm (3/4 - 3/4")
CR-RPA4-XX ¹	Round pole adapter for straight arm (3/8 - 4 1/2")
CR-RPA5-XX ¹	Round pole adapter for straight arm (5")
CR-RPA6-XX ¹	Round pole adapter for straight arm (6")
CRD-RPA2-XX ¹	Round pole adapter for upswept arm (2 3/4 - 3 1/8")
CRD-RPA3-XX ¹	Round pole adapter for upswept arm (3/4 - 3 3/4")
CRD-RPA4-XX ¹	Round pole adapter for upswept arm (3 3/8 - 4 1/2")
CRD-RPA5-XX ¹	Round pole adapter for upswept arm (5")
CRD-RPA6-XX ¹	Round pole adapter for upswept arm (6")
WB-AREA-XX ¹	Wall bracket
TPLB-XX ¹	Twin parallel luminaire bracket
MAF-CL-XX ²	Horizontal mast arm fitter for 2 3/8" OD arm. Mounts to standard 6" arm (ordered with fixture)

Catalog Number	Description
SCP-REMOTE ³	Remote control for SCP option. Order at least one per project to program and control.
SWUSB [*]	SiteSync interface software loaded on USB flash drive for use with owner supplied PC (Windows based only). Includes SiteSync license, software and USB radio bridge node.
SWTAB [*]	Windows tablet and SiteSync interface software. Includes tablet with preloaded software, SiteSync license and USB radio bridge node.
SWBRG ⁺	SiteSync USB radio bridge node only. Order if a replacement is required or if an extra bridge node is requested.
93052458	20KA surge protection with an end of life LED indicator

- 1 - Replace XX with color choice, eg.: DB for Dark Bronze
- 2 - When ordering poles, specify Pole Drill Pattern #2
- 3 - Fixture must include standard 6" arm



#2 DRILL PATTERN FOR POLES



MAF - HORIZONTAL MAST ARM FITTER

* When ordering SiteSync at least one of these two interface options must be ordered per project. + If needed, an additional Bridge Node can be ordered.

MOUNTING ACCESSORIES

Catalog Number	Description
ARM-CL-K-TA-XX ¹	Adjustable mounting arm for single fixture (2-3/8 tenon) – 5 lbs. 2.3 kgs.
ARM-CL-TK-TA-XX ¹	Adjustable mounting arm for two fixtures at 180° (2-3/8 tenon) – 7 lbs. 3.2 kgs.
ARM-CL-K-S-XX ¹	10" adjustable arm – .5 lbs. .05 kgs. – 5.75 lbs. 2.6 kgs.

1 Replace XX with color choice, eg.: DB for Dark Bronze
 2 Fixture must include standard 6" straight arm

ARM-CL-K-TA-XX
 ARM-CL-TK-TA-XX



ARM-CL-K-S-XX



TENON TOP POLE BRACKET ACCESSORIES

(2 3/8" OD tenon) (RSS version requires 4" round pole adapter)

Catalog Number	Description
SETA2-XX ¹	Square pole tenon adapter (4 at 90 degrees)
RETA2-XX ¹	Round pole tenon adapter (4 at 90 degrees)
TETA-XX ¹	Hexagonal pole tenon adapter (3 at 120 degrees)

1 Replace XX with color choice, eg.: DB for Dark Bronze

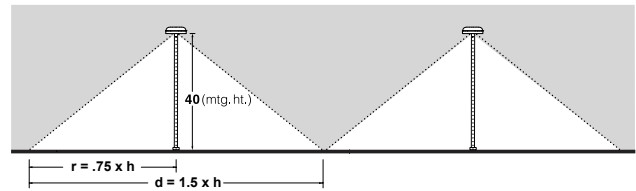
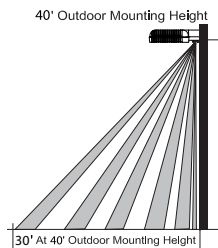
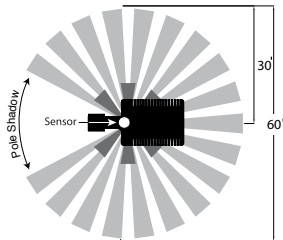
PHOTOCONTROL EQUIPMENT

Catalog Number	Description
PTL-1	Photocontrol - twist-lock cell (120V)
PTL-8	Photocontrol - twist-lock cell (120-277V)
PTL-5	Photocontrol - twist-lock cell (480V)
PTL-6	Photocontrol - twist-lock cell (347V)
PSC	Shorting cap - twist-lock

MOTION CONTROLS

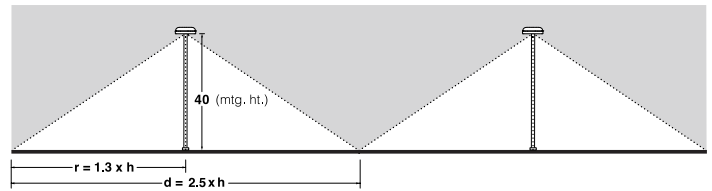
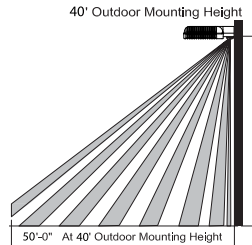
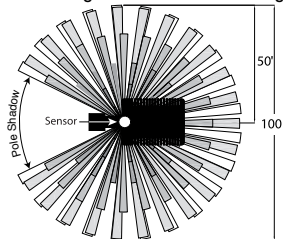
- Start up delay from initial motion detection to fixture illumination is approximately 1-2 seconds
- Vehicle detection is possible however less reliable than human detection; Vehicle detection is dependent upon the following: rate of speed, mounting height of luminaire and vehicle temperature

SCP - Designed for intermediate coverage area



Note: Extreme heat or cold temperatures may limit detection.

SCPW - Designed for widest coverage area



Note: Extreme heat or cold temperatures may limit detection.

SURGE PROTECTION

- Field replaceable surge protection device (SPD) provides 20KA and 10KV protection meeting ANSI/IEEE C62.41.2 Category C High and Surge Location Category C3
- The SPD is designed with a clamping voltage of 1600V at 20KA using industry standard 8/20µs waveform
- Max surge current = 20,000 Amps (see table)
- LED Indicator – Green LED is unlit at end of life

Pulse Rating (8 x 20 µSec)	
Strikes	Surge
1	20,000 A
2	15,000 A
15	10,000 A
120	3,000 A

	cRUus	CE
I _n	10KA	5KA