

TACO BELL RESTAURANT

REMOVE AND REBUILD 1530 WEST ALGONQUIN ROAD ARLINGTON HEIGHTS, ILLINOIS

GENERAL NOTES AND SPECIFICATIONS

- All roadway and pavement construction shall comply with the requirements of the Illinois Department of Transportation "Standard Specifications for Road and Bridge 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 Water and Sewer Main Construction in Illinois", Illinois Municipal League, latest edition, except as may be modified by project plans and specifications.
- Water mains shall be protected in accordance with the requirements of the Illinois EPA. Where a sewer crosses a water main, a minimum vertical separation of 18" shall be provided between the top of the sewer pipe and the bottom of the water main pipe. Where this 18" vertical separation is not provided or when the water main crosses below the sewer, 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. If the water main crosses beneath the sewer, 18" vertical separation shall be provided in all cases. Minimum water main cover is 5.5 feet. Minimum horizontal separation of 10' between sewer and water main is required.
- All sewer and water main trenches under or within 2 feet of existing or proposed curbs or roadway pavement shall be backfilled with compacted porous granular backfill (DOT gradation CA-6).
- Commonwealth Edison, A.T. & T. Telephone, NICOR Gas and other utility company facilities are not necessarily shown on the drawings and must be located in the field prior to construction. Call J.U.L.I.E. (1-800-892-0123) at least 48 hours prior to the start of construction.
- Any pavement or other improvements disturbed by contractor's operations shall be replaced in kind at no additional cost.
- Valve vault, catch basin, and manhole covers and rings shall be set in workmanlike manner in mastic bed.
- All elevations shown are NAVD 88 datum.
- The Village of Arlington Heights Building, Engineering, and Public Works Departments shall be notified at least two working days prior to the start of construction.
- All structures shall be clean at time of final acceptance by the Village at no additional cost.
- 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 and the Village 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".
- PVC sanitary sewer pipe to be PVC SDR 26 pipe meeting the requirements of ASTM D 3034 with flexible elastomeric joints per ASTM D3212 unless otherwise noted on the drawings.
- D.I. sewer pipe to be cement-lined ductile iron, Class 52 conforming to ANSI specification A21.51 with push-on rubber gasket joints, ANSI A21.11.
- All sanitary sewer construction (and storm sewer construction in combined sewer areas), requires stone bedding with stone 1/4 inch to 1 inch in size, with minimum bedding thickness equal 1/4 the outside diameter of the sewer pipe, but not less than four (4) inches nor more than eight (8) inches. Material shall be IDOT gradation CA-11 or CA-13 and shall be extended at least 12 inches above the top of the pipe when PVC pipe is used. Ductile iron does not require stone bedding. If a concrete cradle or encasement is provided, bedding can be eliminated.
- All floor drains shall be connected to the sanitary sewer system. All downspouts and footing drains shall discharge into the storm sewer system.
- A non-shear mission coupling shall be used for 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" and greater. Meg-plugs are an acceptable alternative to concrete thrust blocks.
- PVC Storm sewer pipe shall be PVC SDR 26 pipe meeting the requirements of ASTM D 3034 with flexible elastomeric joints per ASTM D 3212, except as noted.
- Concrete and reinforced concrete storm sewer to be type and class noted on the drawing with rubber gasket joints conforming to ASTM C-443.
- Water service lines (2 1/2" 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 Village of Arlington Heights requirements. Water mains and service lines longer than 2 1/2" shall 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 in accordance with the local governing authority's requirements is included.
- 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. The contractor(s) is (are) solely responsible for jobsite safety.
- All concrete used shall be I.D.O.T. Class SI, except for concrete pavement which shall be Class PV.
- When connecting to an existing sewer main by other than an existing wye, tee, or an existing manhole, one of the following methods shall be used:
 - Using a circular coring machine, core drill an opening into the existing pipe and install a saddle or prefabricated tee.
 - Remove an entire section of pipe (breaking only the top of one bell) and replace with a wye or tee branch section.
 - With pipe cutter, neatly and accurately cut out desired length of pipe for insertion of proper fitting, using a non-shear mission coupling to hold it firmly in place.
- All existing field drainage tile encountered or damaged during construction are to be restored to their original condition, properly rerouted, and/or connected to the storm sewer system. The contractor shall keep a record of all locations of field drainage tile encountered, and shall notify the Village Engineer whenever encountering a drainage tile.
- 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.
- All existing buildings, foundations, utilities, landscaping, fences, 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.
- In order to prevent damage due to settlement, structural support shall be provided for the upper pipe at all water main/sewer crossings in standard drawings 19, 21, 22, 23, and/or 23 (whichever is applicable to the particular situation) as shown in the "Standard Specifications for Water and Sewer Main Construction in Illinois", 2014 edition.
- The sanitary sewer shall be tested in accordance with the specifications in the "Standard Specifications for Water and Sewer Main Construction in Illinois", and all Village of Arlington Heights and MWRD requirements including deflection testing and air testing. All sanitary manholes shall be tested for leakage in accordance with ASTM C1244-02 (vacuum test).
- All construction and traffic control within the highway rights-of-way shall comply with all Illinois Department of Transportation and Village requirements. Pavement, curb, concrete walk or any other improvements disturbed by contractor's operations shall be replaced in kind. All signage, traffic control devices, etc. shall comply with the Manual of Uniform Traffic Control Devices (MUTCD), latest adopted edition.
- All excess excavated material shall become the property of the contractor and shall be removed from the site and legally disposed of by him. The contractor shall have a meeting with the developer prior to the start of earthwork operations to discuss his schedule and plan for the earthwork operations. The contractor shall comply with all the current requirements of the State of Illinois EPA Clean Construction and Demolition Debris (CCDD) Requirements.
- The contractor and its employees are responsible to comply with all the requirements of the IDOT "Confined Space Entry Policy" as published by IDOT, latest edition, insofar as it relates to entry into manholes, sewers, pipes, lift stations, vaults, wet wells, tanks, and other confined spaces that may be involved with this project.
- Any damage to perimeter street curbs and/or pavement caused by the contractor's activity shall be repaired by the contractor.
- The MWRD Local Sewer Section Field Office (708) 588-4055 must be notified at least two working days prior to the start of construction.
- Subgrade preparation for all pavements and other improvements shown on the drawings shall include topsoil stripping and removal of any underlying unstable/deteriorated 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 work shall comply with the IEPA "Standard Specifications for Soil Erosion and Sediment Control" current edition. 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.
- All streetlighting material and construction shall comply with the State of Illinois "Standard Specifications for Road and Bridge Construction" latest edition, American Standard Practice for Roadway Lighting" current edition, the National Electric Code, current edition, and the current Village of Arlington Heights standards.
- All sanitary manholes (and storm manholes in combined sewer areas), shall have a minimum inside diameter of 48 inches, and shall be cast in place or precast reinforced concrete. Flexible connections conforming to ASTM C-923 are required at all manhole pipe connections. See manhole details, sheet C-6.
- 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.
- 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.
- All abandoned sewers/force mains shall be plugged at both ends with a minimum of two (2) feet long non-shrink concrete/mortar plugs.
- Except for foundation/footing drains provided to protect buildings, and for underdrains serving green infrastructure, drain tiles/field tiles/underdrains/perforated pipes are not allowed to be connected to or tributary to combined sewers, sanitary sewers, or storm sewers tributary to combined sewer areas. Construction of new facilities of this type is prohibited, and all existing drain tiles and perforated pipes other than those serving green infrastructure, encountered within the project area shall be plugged or removed, and shall not be connected to combined sewers, sanitary sewers, or storm sewers tributary to combined sewers.
- All work shall conform to NRCS Standards as described in the current edition of the Illinois Urban Manual.
- 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.

- #### VILLAGE OF ARLINGTON HEIGHTS NOTES
- EXISTING SEWER AND WATER CONNECTIONS THAT SERVE THE PROPERTY SHALL BE ABANDONED AT THEIR RESPECTIVE MAINS IN ACCORDANCE WITH ALL ARLINGTON HEIGHTS PUBLIC WORKS DEPARTMENT REQUIREMENTS.
 - ANY REQUIRED ADA DETECTABLE WARNING SURFACES SHALL BE EAST JORDAN IRON WORKS 24" X 24" PANELS, OR EQUAL, INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
 - ALL R.O.W. IMPROVEMENTS (INCLUDING ASPHALT PAVEMENT AND CONCRETE CURB AND GUTTER) SHALL BE INSPECTED BY THE VILLAGE PUBLIC WORKS DEPARTMENT BOTH BEFORE AND AFTER CONSTRUCTION TO VERIFY CONDITION. ANY DAMAGE CAUSED DURING CONSTRUCTION SHALL BE REPAIRED PRIOR TO INSTALLATION OF NEW SIDEWALK.

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 CHAPTER 6 (TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION AND MAINTENANCE OPERATIONS) OF THE ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS. ALL SIGNS, BARRICADES, FLAGGERS, ETC. REQUIRED FOR TRAFFIC CONTROL SHALL BE FURNISHED BY THE CONTRACTOR. ALL WORK IN THE ROADWAY RIGHTS OF WAY SHALL COMPLY WITH ALL IDOT AND VILLAGE OF ARLINGTON HEIGHTS STANDARDS AND REQUIREMENTS.

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224-318-2140

DEVELOPER
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185 THIRD AVENUE, #379
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630-750-6998

OPERATES 24 HOURS 365 DAYS
CALL J.U.L.I.E. 1-800-892-0123
WITH THE FOLLOWING:
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CITY-TOWNSHIP ARLINGTON HEIGHTS
SEC. & 1/4 SEC. NO. # 3E 1/2 8-11-11
48 HOURS BEFORE YOU DIG EXCLUDING SAT., SUN. & HOLIDAYS

INDEX OF DRAWINGS

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- C-2 SITE PLAN
- C-3 GRADING AND DRAINAGE PLAN
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- C-12 IDOT STANDARDS
- P-1 36" CONTECH UNDERGROUND DETENTION SYSTEM
- P-2 36" CONTECH UNDERGROUND DETENTION SYSTEM
- P-3 36" CONTECH UNDERGROUND DETENTION SYSTEM
- P-4 36" CONTECH UNDERGROUND DETENTION SYSTEM

BENCHMARKS:

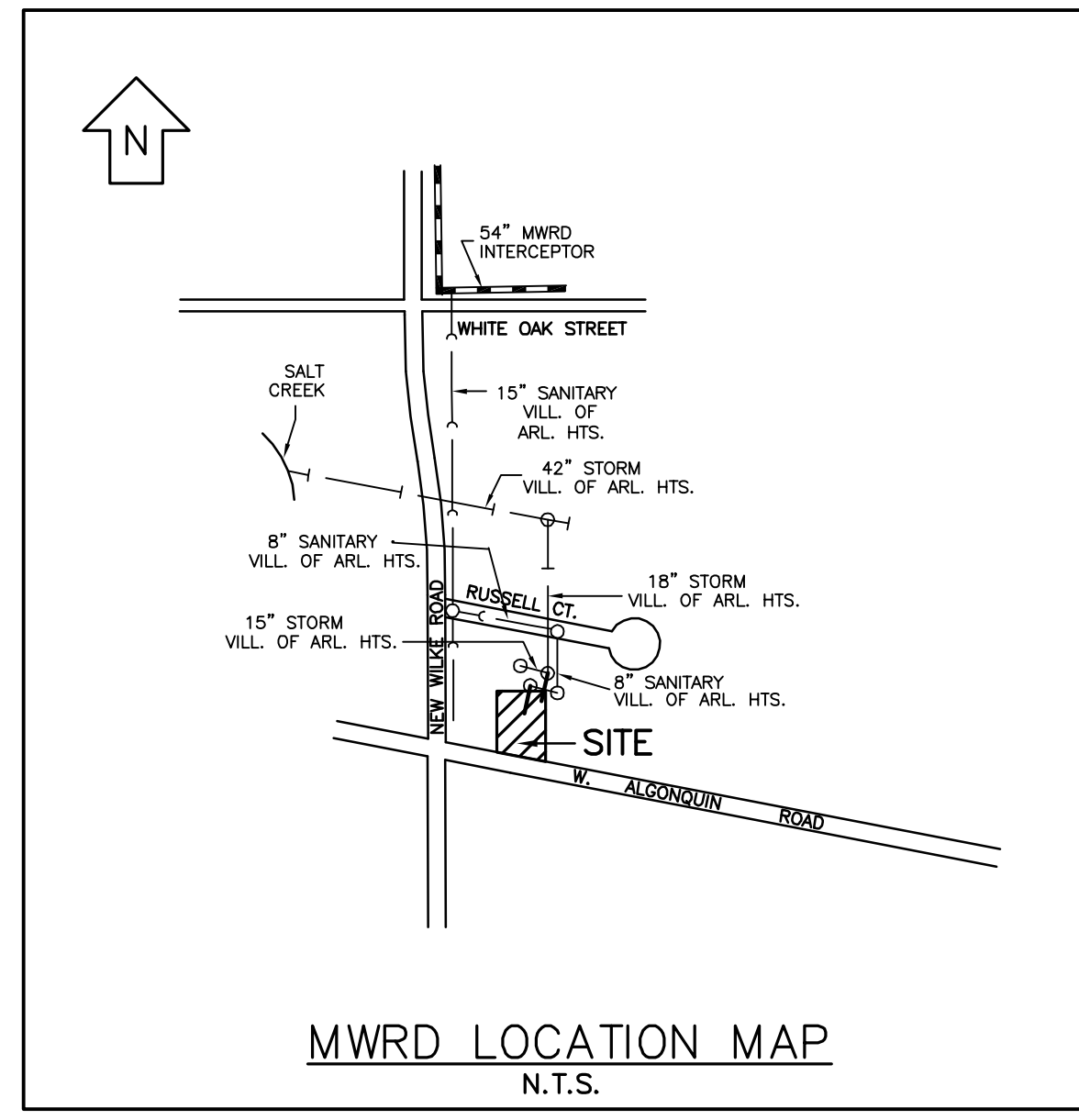
B.M. NO.1 = 707.00 (NAVD 88)-VILLAGE OF ARLINGTON HEIGHTS MONUMENT NO. 84 = 3 1/2" DIA. BRASS DISC FLUSH IN CONCRETE LOCATED 44± SOUTHEASTERLY OF THE CENTERLINE OF KENNICOTT AVENUE AND 42± NORTHEASTERLY OF THE CENTERLINE OF ALGONQUIN ROAD AT THE NE CORNER OF THE INTERSECTION.
B.M. NO.2 = 697.76 (NAVD 88)-PAINTED SQUARE ON TOP OF CONCRETE LIGHT POLE FOUNDATION LOCATED APPROXIMATELY 71' NORTH AND EAST OF THE SOUTHEAST CORNER OF THE SUBJECT TACO BELL PARCEL.

REVISIONS

NO.	DATE	DESCRIPTION
1	7-30-18	REVISED PER IDOT REVIEW
2	9-20-18	REVISED PER VILLAGE REVIEW
3	10-9-18	REVISED PER VILLAGE REVIEW

DANIEL M. HAVLIR, P.E.
1062-63975
LICENSED PROFESSIONAL ENGINEER OF ILLINOIS
Daniel M. Havlir
10-9-18
LIC. EXP. 11-30-19

PREPARED BY
NORTHWESTERN ENGINEERING CONSULTANTS, P.C.
ILLINOIS PROFESSIONAL DESIGN FIRM LICENSE NO. 184-002695
LICENSE EXPIRES APRIL 30, 2019
675 N. NORTH COURT
PALATINE, ILLINOIS 60067
(847) 520-8410
MAY 11, 2018



EXISTING	LEGEND	PROPOSED
620.12	WALK GRADE	W=631.75
624.21	CURB GRADE	C=630.62
619.94	GUTTER GRADE	G=630.39
618.82	PAVEMENT GRADE	P=631.25
619.75	GRADE	632.51
639	CONTOUR	639
=====	CONC. CURB TO BE REMOVED	
---	RETAINING WALL	
---	SANITARY SEWER	
---	COMBINED SEWER	
---	STORM SEWER	
W _{12"}	METAL FENCE	W _{2"}
---	GUARD RAIL	
---	DITCH FLOWLINE	
○	MANHOLE	○
⊙	CATCH BASIN	⊙
⊕	INLET BASIN	⊕
⊗	VALVE VAULT	⊗
⊘	VALVE BOX	⊘
⊙	LIGHT POLE	⊙
⊙	WOOD POLE	⊙
⊙	FIRE HYDRANT	⊙
---	DIRECTION OF DRAINAGE	---
---	CONCRETE WALK/PAVEMENT	---
---	ASPHALT PAVEMENT (FIRE LANE)	---
---	SILT FENCE	S
○	TREE	○
---	PROPERTY LINE	---
E	UNDERGROUND ELECTRIC	E
G	GAS MAIN	G
T	UNDERGROUND TELEPHONE	T
OH	OVERHEAD WIRES	OH
---	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.

NOTE "A": SAW CUT ALONG EDGE OF PAVEMENT TO PROVIDE A CLEAN JOINT BETWEEN EXISTING AND NEW PAVEMENT.

NOTE "B": EXISTING BARRIER CONCRETE CURB TO REMAIN.

NOTE "C": EXISTING CURB ACROSS DRIVEWAY HAS BEEN COMPLETELY COVERED WITH ASPHALT DURING A RECENT RESURFACING PROJECT. SAW CUT AND REMOVE EXISTING CURB AND A 2" WIDE STRIP OF ASPHALT PAVEMENT SURFACE COURSE ADJACENT TO CURB, AND INSTALL NEW 66-12 DEPRESSED CONCRETE CURB AND GUTTER ACROSS NEW DRIVEWAY. NEW GUTTER LINE SHALL MATCH EXISTING ASPHALT PAVEMENT ELEVATION IN ORDER THAT DRAINAGE IS MAINTAINED AT EACH END OF THE DRIVEWAY AND ACROSS THE DRIVEWAY. SEE "PAVEMENT PATCHING AT CURB AND GUTTER REMOVAL DETAIL" ON SHEET C-6.

NOTE "D": CONSTRUCT NEW HANDICAP RAMP IN ACCORDANCE WITH ALL VILLAGE, STATE AND ADA REQUIREMENTS (TYPICAL). RAMP SHALL HAVE TRUNCATED DOME DETECTABLE WARNING SURFACE IN RED COLOR. (SEE DETAIL).

NOTE "E": PROPOSED HANDICAPPED PARKING STALL WITH PAINTED SYMBOL AND POLE SIGN MEETING ALL STATE OF ILLINOIS AND ADA REQUIREMENTS.

NOTE "F": PROPOSED PYLON 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 (3/4" MAXIMUM) BETWEEN PAVEMENT AND FOUNDATION WALL. CUT BACK AND PROVIDE SEALANT AT BUILDING WALL.

NOTE "I": PROPOSED 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.

NOTE "O": CONCRETE PAVEMENT FOR 20' LONG 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 CA-6 CRUSHED STONE BASE ON COMPACTED SUBGRADE (TYP.). SURFACE TO RECEIVE BROOM FINISH AND ONE SEAL COAT.

NOTE "P": SLOPE CURB HEIGHT FROM 6" TO 0" IN LAST 3' OF CURB.

NOTE "Q": PROPOSED STANDARD 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 CA-6 CRUSHED STONE BASE ON COMPACTED SUBGRADE (TYP.). SURFACE TO RECEIVE BROOM FINISH AND ONE SEAL COAT.

NOTE "S": PROPOSED LIGHT POLE (TYP.). SEE ARCHITECTURAL DRAWINGS.

NOTE "T": INSTALL TYPE M4.12 CONCRETE CURB AND GUTTER AROUND PROPOSED MEDIAN. MEDIAN PAVEMENT SHALL CONSIST OF 8" THICK CONCRETE PER NOTE "EE" BELOW.

NOTE "U": PROPOSED PERIMETER TYPE CONCRETE SIDEWALK. SEE DETAIL, SHEET C-6.

NOTE "V": PROPOSED 6" WHITE PAINTED LINE.

NOTE "W": RESTORE DISTURBED AREAS IN RIGHT OF WAY WITH 4" TOPSOIL (MIN.) AND IDOT CLASS 1A SALT TOLERANT SEEDING.

NOTE "AA": PROPOSED LANDSCAPED AREA. SEE LANDSCAPING DRAWINGS.

NOTE "BB": PROPOSED CLEARANCE BAR. SEE ARCHITECTURAL DRAWINGS.

NOTE "CC": PROPOSED PAVEMENT STRIPING, 4" WIDE LINES @45°, 3" O.C.

NOTE "DD": PROPOSED BIKE RACK. FLANGE MOUNTED, HUNTCO SITE FURNISHINGS (2 REQUIRED), MODEL NO. BRPS3 35 LBS. STAINLESS STEEL, #4 SATIN FINISH. SEE DETAIL, THIS SHEET.

NOTE "EE": NEW DRIVEWAY PAVEMENT IN ALGONQUIN ROAD RIGHT OF WAY 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 CA-6 CRUSHED STONE BASE ON COMPACTED SUBGRADE (TYP.). SURFACE TO RECEIVE BROOM FINISH AND ONE SEAL COAT.

NOTE "FF": PROPOSED HEAVY DUTY ASPHALT PAVEMENT FOR FIRE TRUCKS (DOTTED). SEE DETAIL, SHEET C-6.

NOTE "GG": EXISTING TRAFFIC SIGNAL HANDHOLE SURROUNDED BY 5' BY 5' CONCRETE PAD TO REMAIN. INSTALL PREFORMED EXPANSION JOINTS AROUND 5' BY 5' CONCRETE PAD WHEN INSTALLING NEW DRIVEWAY.

NOTE "HH": INSTALL STANDARD SIDEWALK JOINTING PATTERN ACROSS NEW DRIVEWAY.

NOTE "JJ": EXISTING LIGHT POLE TO REMAIN.

NOTE "KK": PROPOSED 24" WIDE WHITE PAINTED STOP BAR.

NOTE "LL": PROPOSED 150 LF DECORATIVE BLOCK RETAINING WALL. SEE SHEET C-3.

NOTE "MM": PROPOSED STORM WATER MANAGEMENT BASIN. SEE SHEET C-3.

NOTE "NN": INSTALL A 3" HIGH, 2 RAIL SPLIT RAIL WOOD FENCE AROUND THE PERIMETER OF THE STORM WATER MANAGEMENT BASIN.

NOTE "PP": PROPOSED CONCRETE PAD FOR ELECTRICAL TRANSFORMER. SEE ELECTRICAL DRAWINGS.

NOTE "QQ": CONCRETE PAVEMENT (24' X 64' PAD) OVER CONTECH UNDERGROUND STORM WATER MANAGEMENT SYSTEM 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 4" COMPACTED CA-6 CRUSHED STONE BASE ON CA-7 WASHED STONE PIPE ENVELOPE SURFACE TO RECEIVE BROOM FINISH AND ONE SEAL COAT. CONCRETE MUST BE PLACED BY CHUTE, PUMPING, OR HAND. NO TRUCK TRAFFIC IS ALLOWED OVER CONTECH SYSTEM BEFORE CONCRETE PLACEMENT AND CURING.

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.

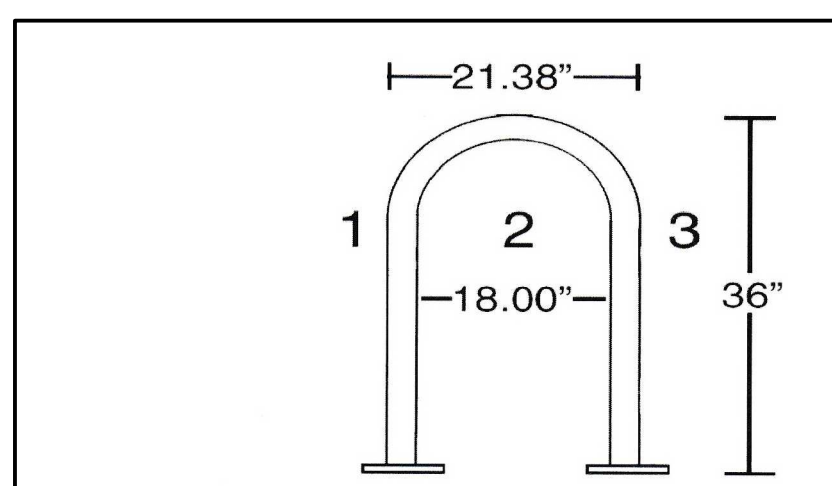
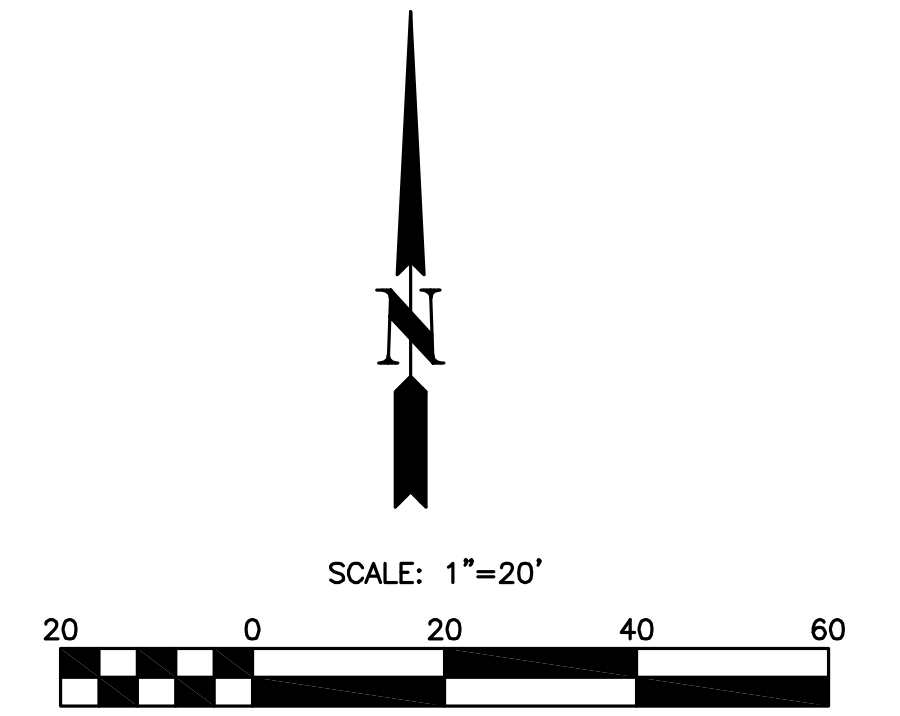
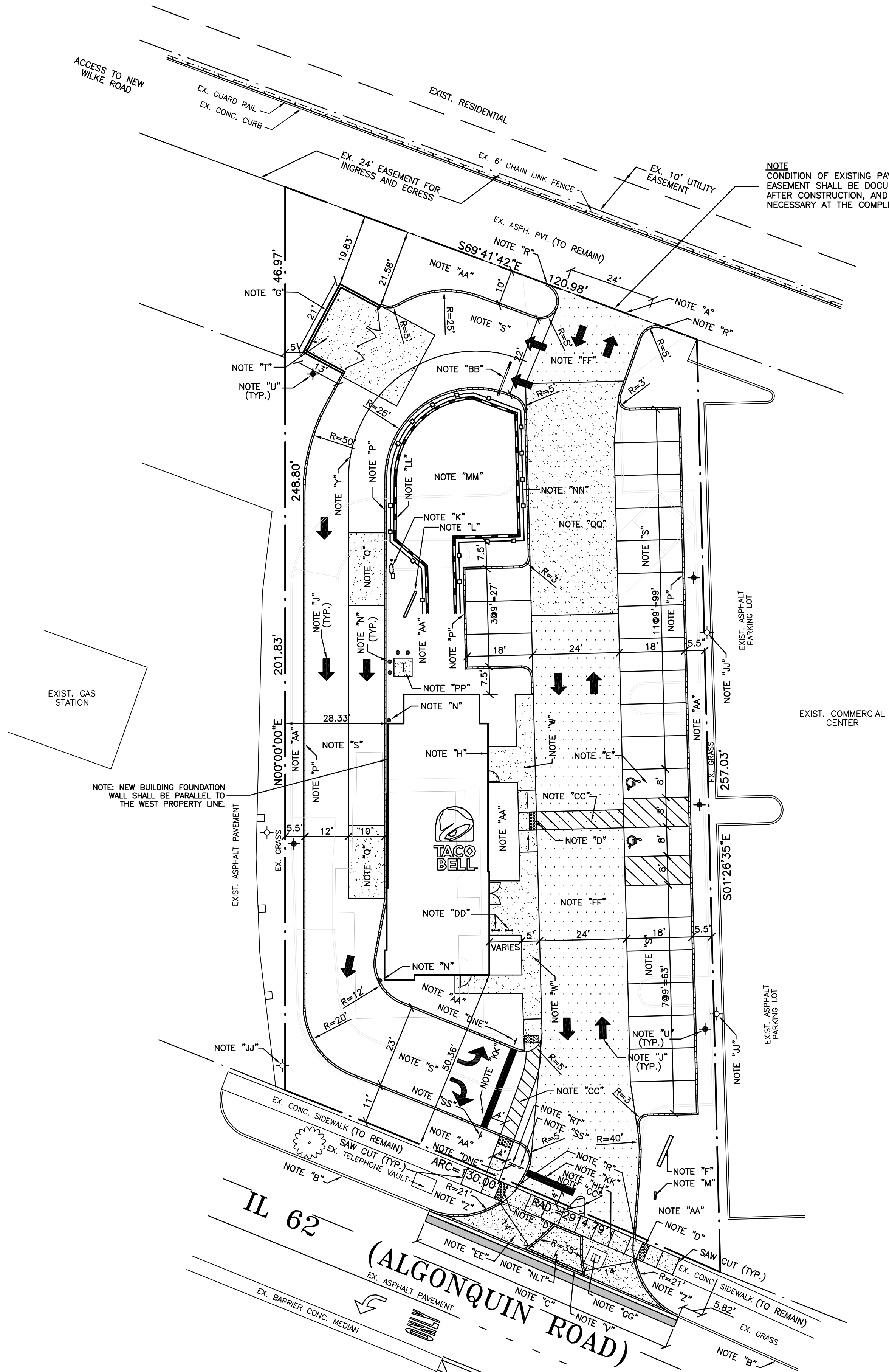
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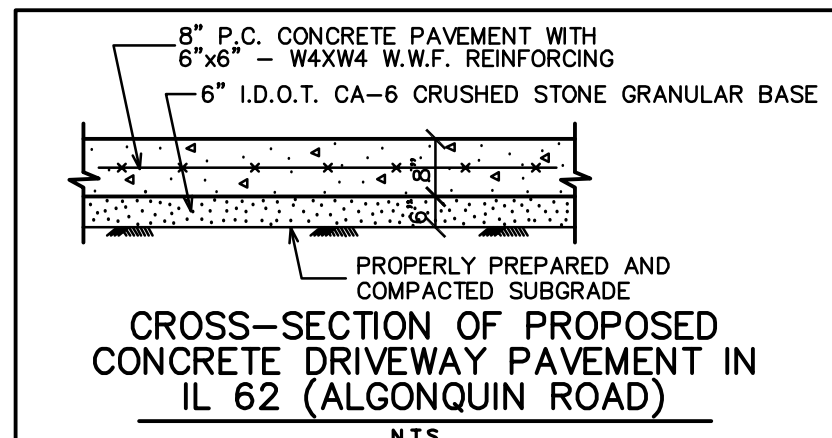
WITH THE FOLLOWING:
COUNTY: COOK
CITY-TOWNSHIP: ARLINGTON HEIGHTS
SEC. & 1/4 SEC. NO. 4, SE 1/4, 8-11-11

48 HOURS BEFORE YOU DIG
EXCLUDING SAT., SUN. & HOLIDAYS

NOTE PER IDOT FOR TRAFFIC SIGNAL MAINTENANCE
DUE TO THE DRIVEWAY WORK IN THE AREA OF THE EXISTING TRAFFIC SIGNAL HANDHOLE AND UNDERGROUND CABLES, THE RESPONSIBILITY FOR MAINTENANCE FOR THE TRAFFIC SIGNAL AT THE INTERSECTION OF IL 62 (ALGONQUIN ROAD) AND NEW WILKE ROAD SHALL BE TRANSFERRED TO THE TACO BELL GENERAL CONTRACTOR PRIOR TO THE START OF CONSTRUCTION, AND SHALL REMAIN WITH THE GENERAL CONTRACTOR UNTIL DRIVEWAY CONSTRUCTION IS COMPLETE. THE GENERAL CONTRACTOR SHALL CONTACT THE IDOT TRAFFIC SIGNAL MAINTAINER (NEADE ELECTRIC) AT 773-287-7672 TO ACCOMPLISH THIS.



BR Plus Bike Racks
Manufacturer: Hunco Site Furnishings
Model: BRPS3 35 lbs.
Mounting - Flange Mounted
Finish: Stainless Steel, #4 Satin Finish



PROPOSED TRAFFIC SIGN SCHEDULE
NOTE "SS" - PROPOSED 30"x30" R1-1 STOP SIGN MOUNTED ON METAL POST.
NOTE "RT" - PROPOSED 30"x36" R3-5 RIGHT TURN ONLY SIGN MOUNTED ON METAL POST.
NOTE "NL" - PROPOSED 36"x36" R3-2 NO LEFT TURN SIGN MOUNTED ON METAL POST.
NOTE "DNE" - PROPOSED 30"x30" R5-1 DO NOT ENTER SIGN MOUNTED ON METAL POST.

NOTE:
ALL ADA RELATED ITEMS SHALL BE DESIGNED AND INSTALLED IN ACCORDANCE WITH THE "ADA STANDARD FOR ACCESSIBLE DESIGN" GUIDE BOOK.

SPECIAL NOTE FOR WORK IN IL 62 (ALGONQUIN ROAD)
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 Chapter 6 (Traffic Controls for Highway Construction and Maintenance Operations) of the Illinois Manual on Uniform Traffic Control Devices for Streets and Highways. All signs, barricades, flaggers, etc. required for traffic control shall be furnished by the contractor, and comply with all IDOT Standards and Requirements. See IDOT Details, sheets C-9 through C-12.

PARKING PROVIDED
21 STANDARD STALLS (9')
2 HANDICAP STALLS (16')
23 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
ILLINOIS PROFESSIONAL DESIGN FIRM LICENSE NO. 184-002895 EXP. 4-30-19

SITE PLAN

TACO BELL RESTAURANT
1530 W. ALGONQUIN ROAD
ARLINGTON HEIGHTS, ILLINOIS

NO.	DATE	DESCRIPTION
1	7-20-18	REVISED PER IDOT REVIEW
2	9-20-18	REVISED PER VILLAGE REVIEW
3	10-9-18	REVISED PER VILLAGE REVIEW

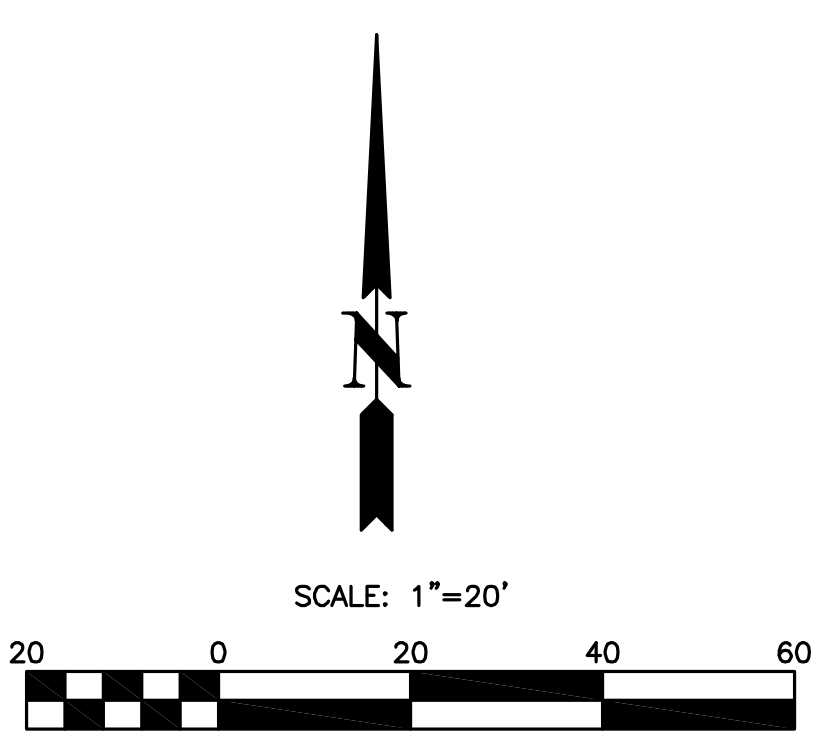
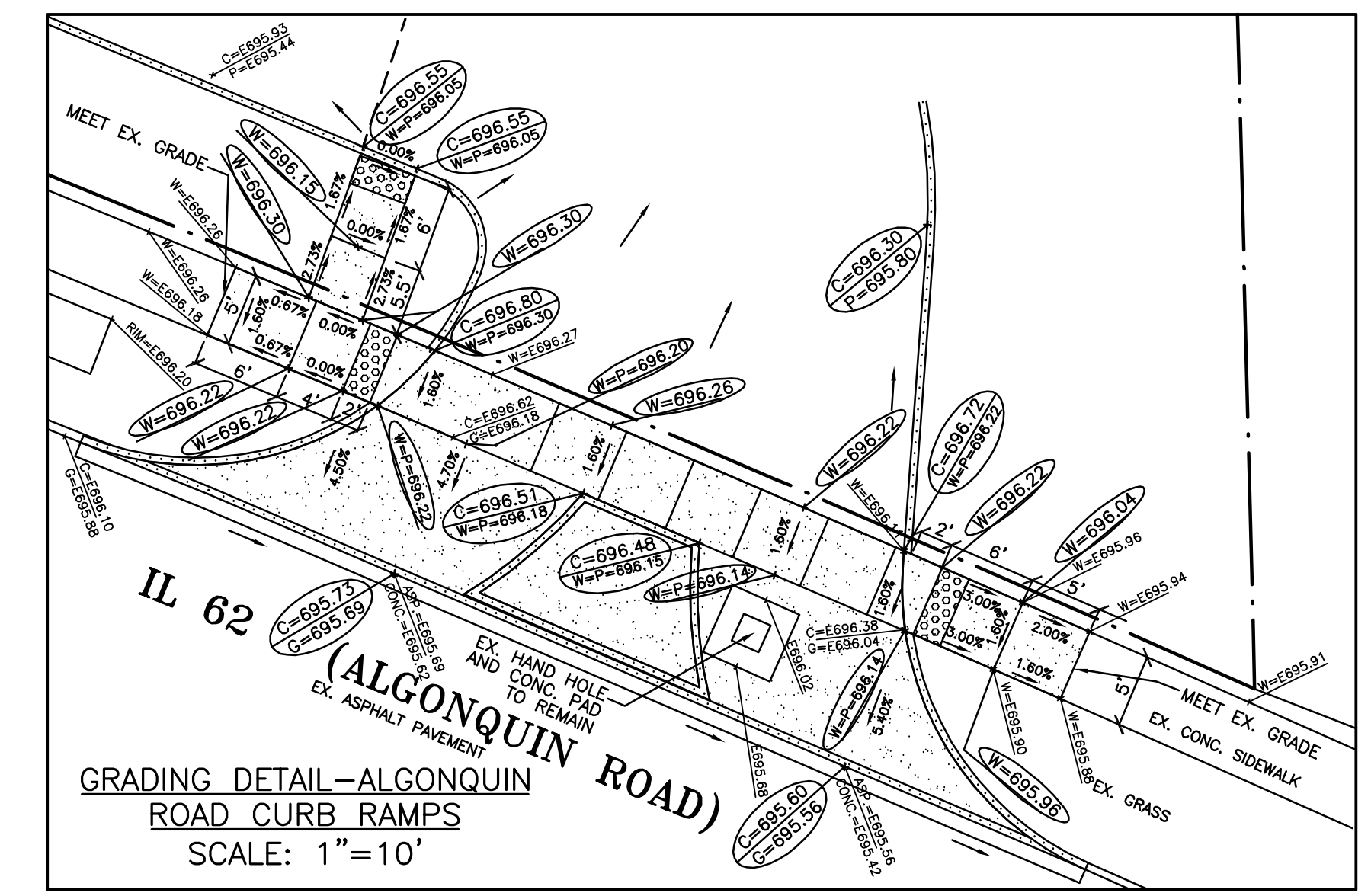
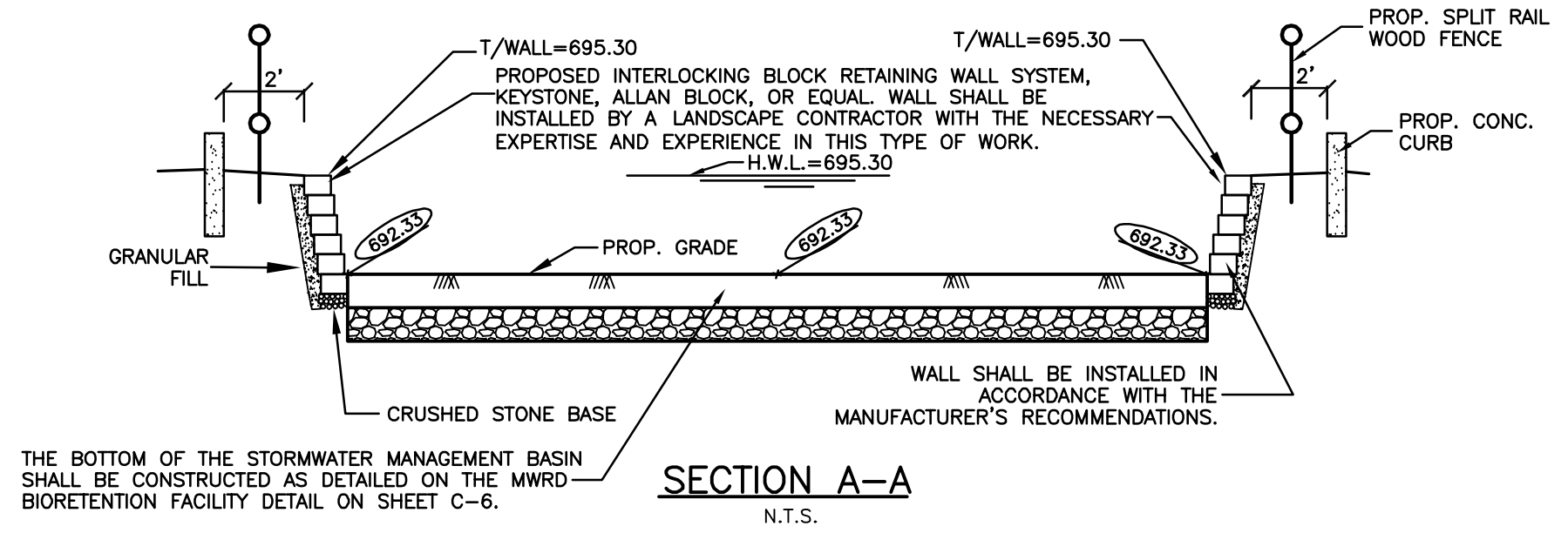
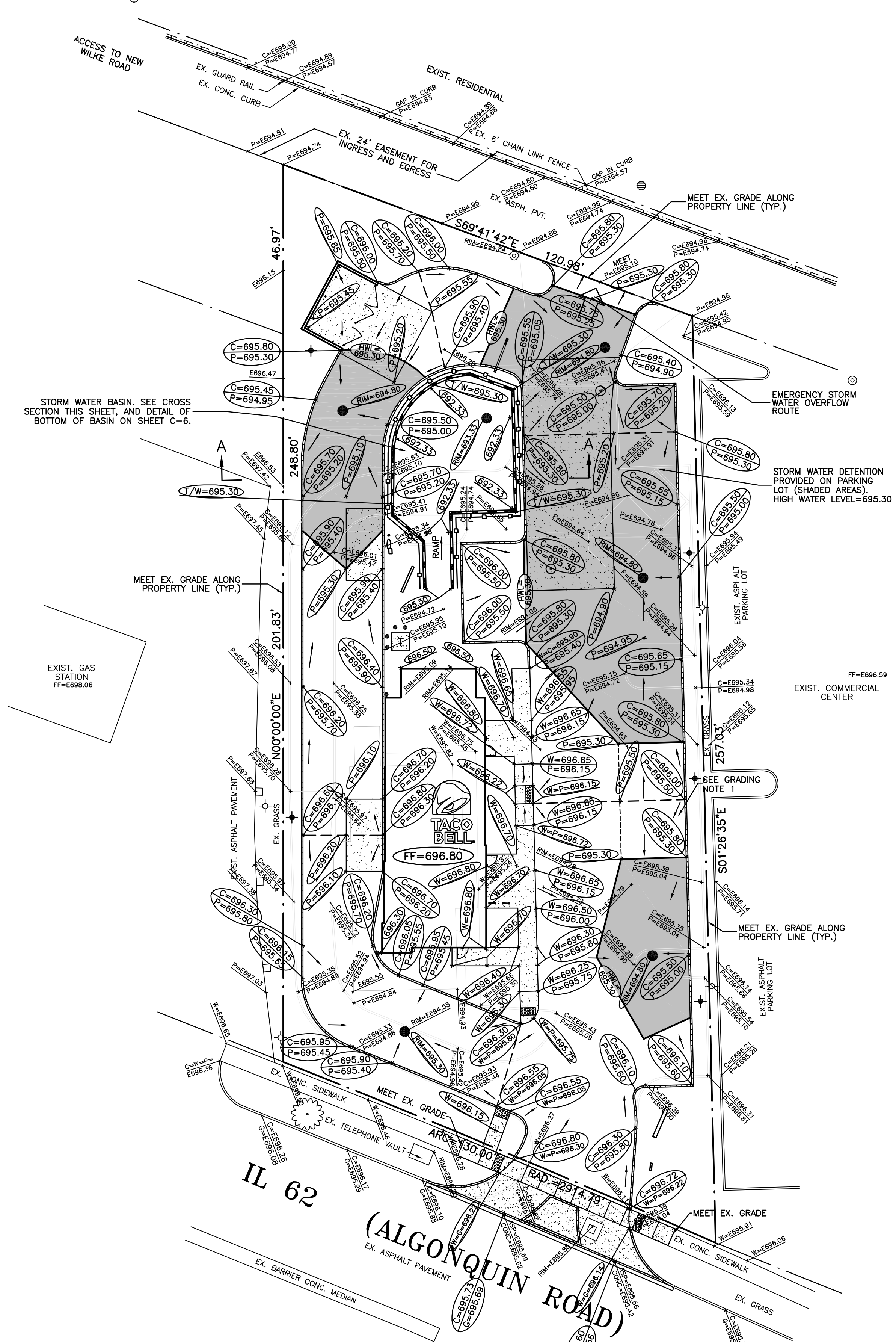
DRAWN BY: KRL
CHECKED BY: DMH
DATE: 5-11-18
SCALE: 1"=20'

DRAWING NO. C-2

JOB NO. 18-19

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.
4. MAXIMUM CROSS SLOPE FOR ANY NEW PUBLIC SIDEWALK IS 2.0%.



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 JULIE 1-800-892-0123
WITH THE FOLLOWING:
COUNTY COOK
CITY-TOWNSHIP ARLINGTON HEIGHTS
SEC. & 1/4 SEC. NO. 4 SE 1/4 8-11-11
48 HOURS BEFORE YOU DIG EXCLUDING SAT., SUN. & HOLIDAYS

CIVIL ENGINEERS SITE PLANNERS LAND SURVEYORS
NORTHWESTERN ENGINEERING CONSULTANTS, P.C.
675 N. NORTH COURT PALATINE, ILLINOIS 60067 (847) 520-8410
ILLINOIS PROFESSIONAL DESIGN FIRM LICENSE NO. 184-002895 EXP. 4-30-19

GRADING AND DRAINAGE PLAN
TACO BELL RESTAURANT
1530 W. ALGONQUIN ROAD
ARLINGTON HEIGHTS, ILLINOIS

NO.	DATE	DESCRIPTION
1	7-20-18	REVISED PER DOT REVIEW
2	9-20-18	REVISED PER VILLAGE REVIEW
3	10-9-18	REVISED PER VILLAGE REVIEW

DRAWN BY: KRL
CHECKED BY: DMH
DATE: 5-11-18
SCALE: 1"=20'

DRAWING NO. **C-3**

JOB NO. **18-19**

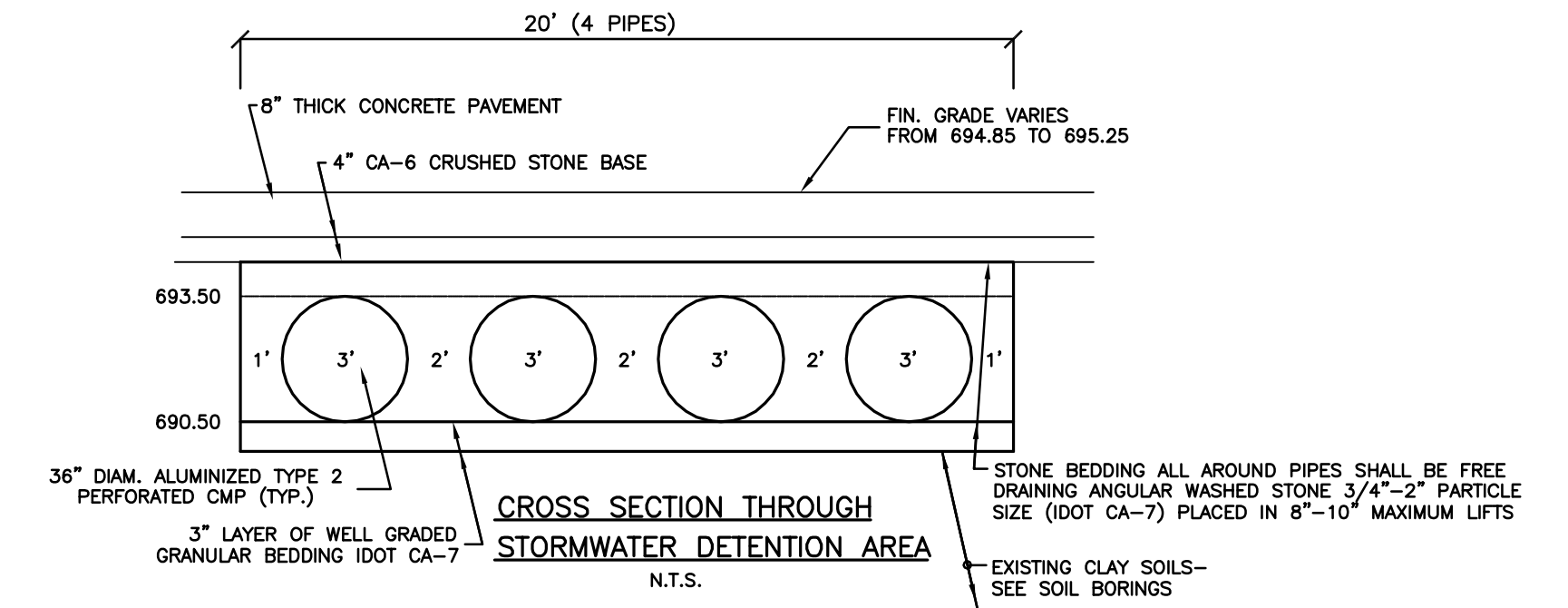
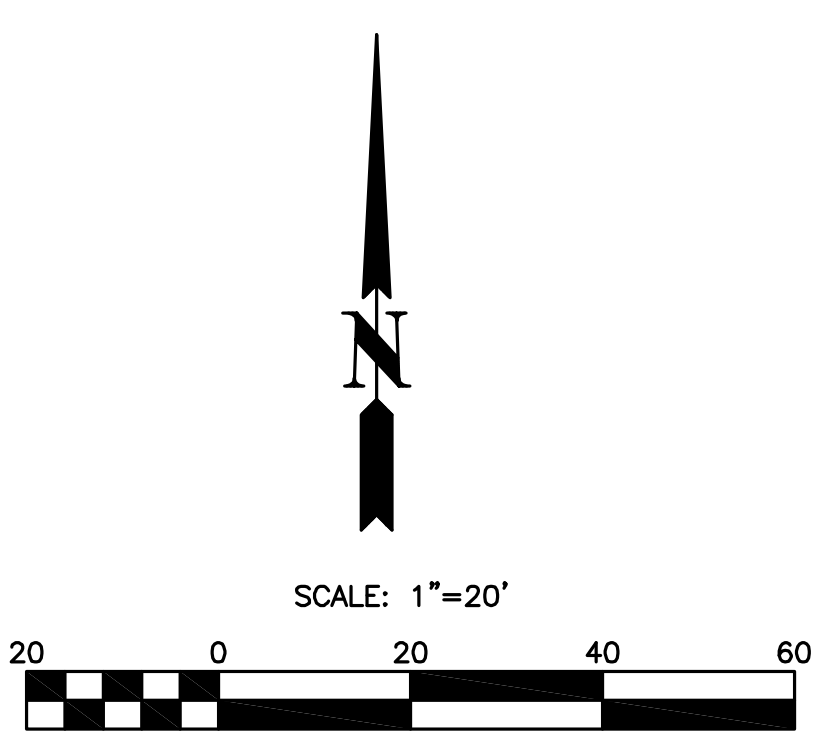
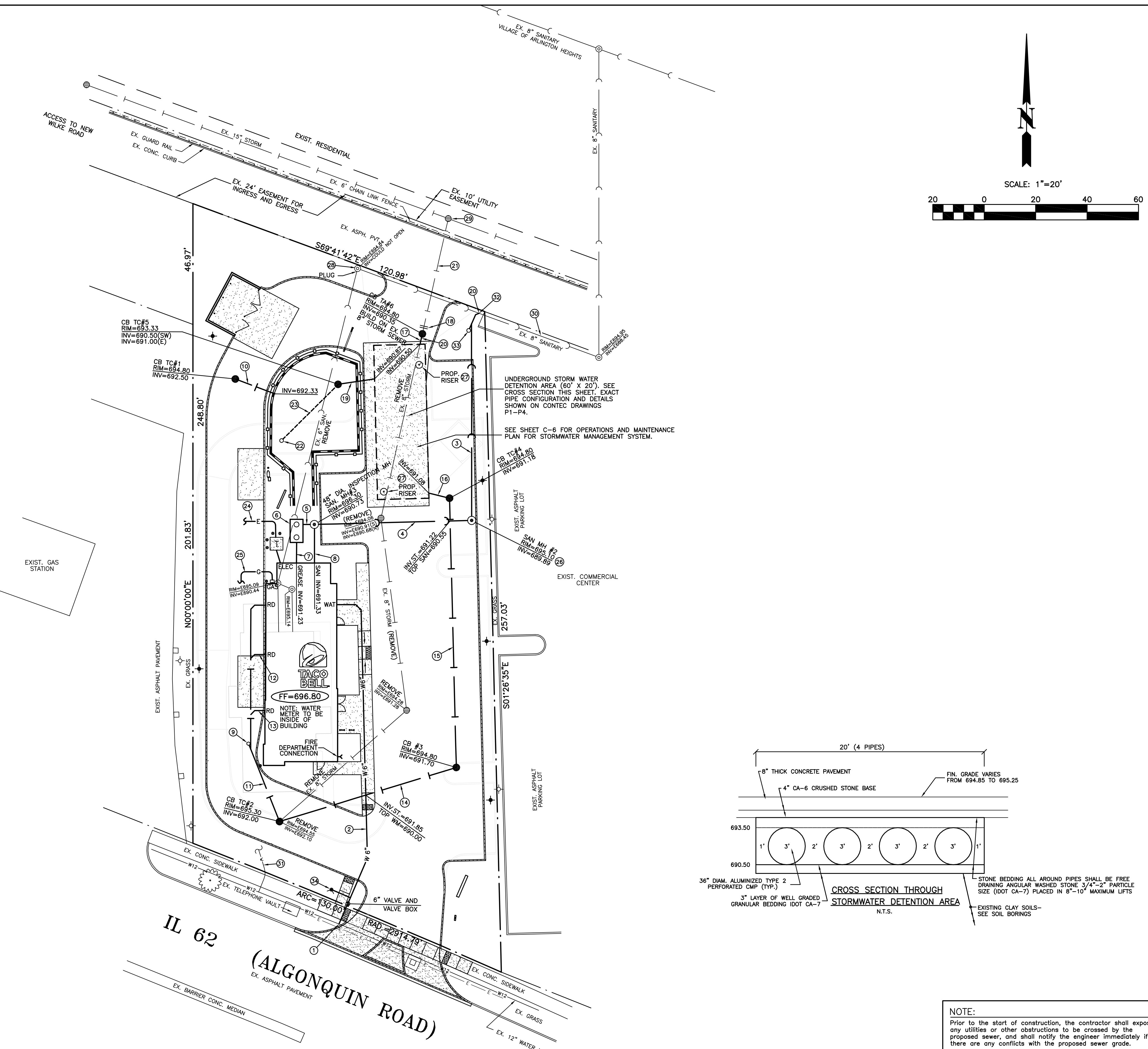
- UTILITY NOTES**
- MAKE WATER SERVICE PRESSURE CONNECTION TO EXISTING 12" WATER MAIN IN ACCORDANCE WITH ALL VILLAGE OF ARLINGTON HEIGHTS REQUIREMENTS.
 - 135 LF 6" DUCTILE IRON CL52 WATER SERVICE.
 - 81 LF 6" PVC SAN. SEWER SDR 26 S=1.00%
 - 61 LF 6" PVC SAN. SEWER SDR 26 S=1.38%
 - 5 LF 6" PVC SAN. SEWER SDR 26 S=5.00%
 - PROPOSED 1000 GALLON GREASE TRAP. SEE DETAIL, SHEET C-6. RIM(S)=696.50; RIM(N)=696.40; INV=690.98
 - 8 LF 6" PVC SAN. SEWER SDR 26 S=3.12%
 - 15 LF 6" PVC SAN. SEWER SDR 26 S=4.00%
 - EXTERIOR CLEAN OUT. SEE DETAIL, SHEET C-6.
 - 16 LF 10" DUCT. IRON CL 52 STORM SEWER S=1.06%
 - 91 LF 6" PVC STORM SEWER SDR 26 S=1.00% CONNECTED TO ROOF DRAIN.
 - 5 LF 6" PVC STORM SEWER SDR 26 S=1.00% CONNECTED TO ROOF DRAIN.
 - 5 LF 6" PVC STORM SEWER SDR 26 S=1.00% CONNECTED TO ROOF DRAIN.
 - 72 LF 12" RCP C76 CLV STORM SEWER S=0.42%
 - 104 LF 12" RCP C76 CLV STORM SEWER SDR 26 S=0.50%
 - 10 LF 12" RCP C76 CLV STORM SEWER S=1.00%
 - 5 LF 12" RCP C76 CLV STORM SEWER S=3.00%
 - 2" DIAMETER HOLE IN PLATE. RESTRICTOR. SEE DETAIL, SHEET C-6.
 - 14 LF 12" RCP C76 CLV STORM SEWER S=0.93%
 - CONTRACTOR TO VERIFY EXISTING INVERT ELEVATION AT THIS LOCATION PRIOR TO THE START OF CONSTRUCTION. NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCY.
 - PORTION OF EXISTING 8" STORM SEWER DOWNSTREAM OF CBTA #6 TO REMAIN. CONTRACTOR SHALL INSPECT AND CLEAN AS NECESSARY TO VERIFY STORM SEWER IS IN GOOD AND OPERATING CONDITION.
 - PVC EXTERIOR CLEAN OUT (OBSERVATION WELL). SEE DETAIL, SHEET C-6.
 - 31 LF 4" PERFORATED PVC SDR 26 STORM SEWER (FOR VOLUME CONTROL) S=0.00%
 - ELECTRIC SERVICE SIZED AND ROUTED BY COMED.
 - GAS SERVICE SIZED AND ROUTED BY NICOR.
 - INSTALL NEENAH R-1916-C BOLT DOWN WATER TIGHT FRAME AND LID (OR EQUAL) ON SAN MH #2.
 - INSTALL NEENAH R-1647-A FRAME AND LID (OR EQUAL) ACCESS CASTING ON ACCESS RISER.
 - CONTRACTOR SHALL INSPECT EXISTING SANITARY MANHOLE IN THE PRESENCE OF THE VILLAGE AND MWRD INSPECTORS, AND MAKE ANY REPAIRS TO THE MANHOLE AS REQUIRED TO BRING THE MANHOLE INTO GOOD AND OPERATING CONDITION.
 - CONTRACTOR SHALL INSPECT EXISTING CATCH BASIN IN THE PRESENCE OF THE VILLAGE AND MWRD INSPECTORS, AND MAKE ANY REPAIRS TO THE CATCH BASIN AS REQUIRED TO BRING THE CATCH BASIN INTO GOOD AND OPERATING CONDITION.
 - EXISTING 8" SANITARY SEWER TO REMAIN. CONTRACTOR SHALL INSPECT AND CLEAN AS NECESSARY TO VERIFY SANITARY SEWER IS IN GOOD AND OPERATING CONDITION.
 - EXISTING WATER SERVICE FOR TACO BELL (EXACT LOCATION AND SIZE UNKNOWN) SHALL BE LOCATED BY THE CONTRACTOR AND ABANDONED AT THE EXISTING 12" WATER MAIN IN ACCORDANCE WITH ALL VILLAGE OF ARLINGTON HEIGHTS REQUIREMENTS.
 - MAKE WATER TIGHT DIRECT CONNECTION TO EXISTING 8" SANITARY SEWER. EXIST. 8" INV.=689.00(VERIFY). PROP. 6" INV.=689.08.
 - EXTERIOR CLEAN OUT. SEE DETAIL, SHEET C-6.
 - PROPOSED FIRE HYDRANT #1. GRADE RING=696.50.

- MWRD NOTES**
- ALL ABANDONED SEWERS SHALL BE PLUGGED AT BOTH ENDS WITH AT LEAST 2 FEET LONG NON-SHRINK CONCRETE OR MORTAR PLUG.
 - THE MWRD SHALL HAVE 24 HOURS-A-DAY UNRESTRICTED ACCESS TO ALL MWRD STRUCTURES/SEWERS/FACILITIES.

SPECIAL NOTE FOR WORK IN ALGONQUIN ROAD
 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 Chapter 6 (Traffic Controls for Highway Construction and Maintenance Operations) of the Illinois Manual on Uniform Traffic Control Devices for Streets and Highways. All signs, barricades, flaggers, etc. required for traffic control shall be furnished by the contractor, and comply with all IDOT Standards and Requirements. See IDOT Details, sheet C-9.

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 JULIE 1-800-892-0123
 WITH THE FOLLOWING:
 COUNTY: ARLINGTON HEIGHTS
 CITY-TOWNSHIP: COOK COUNTY ARLINGTON HEIGHTS
 SEC. & 1/4 SEC. NO. 4 SE 1/4 8-11-11
 48 HOURS BEFORE YOU DIG EXCLUDING SAT., SUN. & HOLIDAYS



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.

GENERAL NOTES

- 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.
- CONTRACTOR SHALL COORDINATE ALL WORK WITH UTILITY COMPANIES (SEWER, WATER, ELECTRIC, GAS, TELEPHONE, ETC.).
- 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. PLUS ENDS OF REMAINING UTILITY LINES, BACKFILL TRENCHES WITH SELECTED GRANULAR BACKFILL COMPACTED TO 95% OF MODIFIED PROCTOR MAXIMUM DENSITY IN 8" LIFTS.

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.

CIVIL ENGINEERS SITE PLANNERS LAND SURVEYORS
NORTHWESTERN ENGINEERING CONSULTANTS, P.C.
 675 N. NORTH COURT PALATINE, ILLINOIS 60067 (847) 520-8410
 ILLINOIS PROFESSIONAL DESIGN FIRM LICENSE NO. 184-002895 EXP. 4-30-19

UTILITY PLAN
TACO BELL RESTAURANT
1530 W. ALGONQUIN ROAD
ARLINGTON HEIGHTS, ILLINOIS

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REVISIONS

DRAWN BY: KRL
CHECKED BY: DMH
DATE: 5-11-18
SCALE: 1"=20'

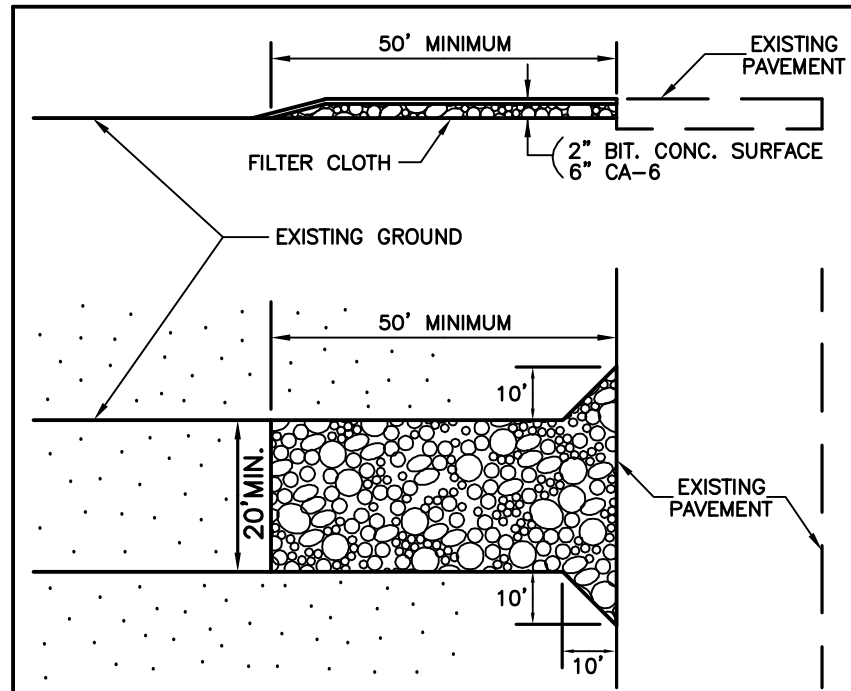
DRAWING NO. C-4

JOB NO. 18-19

STORM WATER POLLUTION PREVENTION PLAN GENERAL NOTES

This Storm Water Pollution Prevention Plan has been prepared in compliance with the requirements of the Village of Arlington Heights and the State of Illinois. The work to be done is stripping, 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 Village Inspector. Village streets are to be kept free from mud and debris.
- Each catch basin will be installed with a sump as indicated on the drawings. The rims will be set at final grade. A temporary 1 foot deep sump shall be excavated in a 10 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 Village 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 conform to NRCS Standards as described in the current edition of the Illinois Urban Manual.
- Install filter fabric erosion control filtration system in the new storm structures (and in the existing structures impacted by this project) to prevent eroded material from entering the storm sewer system during the construction project.
- 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 Village.
- 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 Village 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 and Subcontractors involved with storm water pollution prevention shall obtain a copy of the storm water pollution prevention plan and the State of Illinois National Pollution Discharge Elimination Act (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 of 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 ENTRANCE SPECIFICATIONS**
- STONE SIZE - USE IDOT CA-6 STONE.
 - THICKNESS - NOT LESS THAN EIGHT (8) INCHES (2" CL 1 BIT. CONC. ON 6" CA-6 CRUSHED STONE BASE).
 - FILTER CLOTH - SHALL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
 - 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 RESURFACING 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.
 - PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.
- STABILIZED CONSTRUCTION ENTRANCE (TEMPORARY)**

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	E-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 Oats @ 100lbs/ac.
 D= Wheat or Cereal Rye @150 lbs/ac.
 E= Straw
 F= Straw Mulch @ 2 tons/ac.
 XXXX= Irrigation needed

Irrigation should be provided as necessary to thoroughly establish growth.

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 JULIE 1-800-892-0123 WITH THE FOLLOWING:

CITY-TOWNSHIP: ARLINGTON HEIGHTS
 SEC. & 4th COR. NO. 4 SE 1/4 S-11-11
48 HOURS BEFORE YOU DIG EXCLUDING SAT., SUN. & HOLIDAYS

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 SEEDED 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.

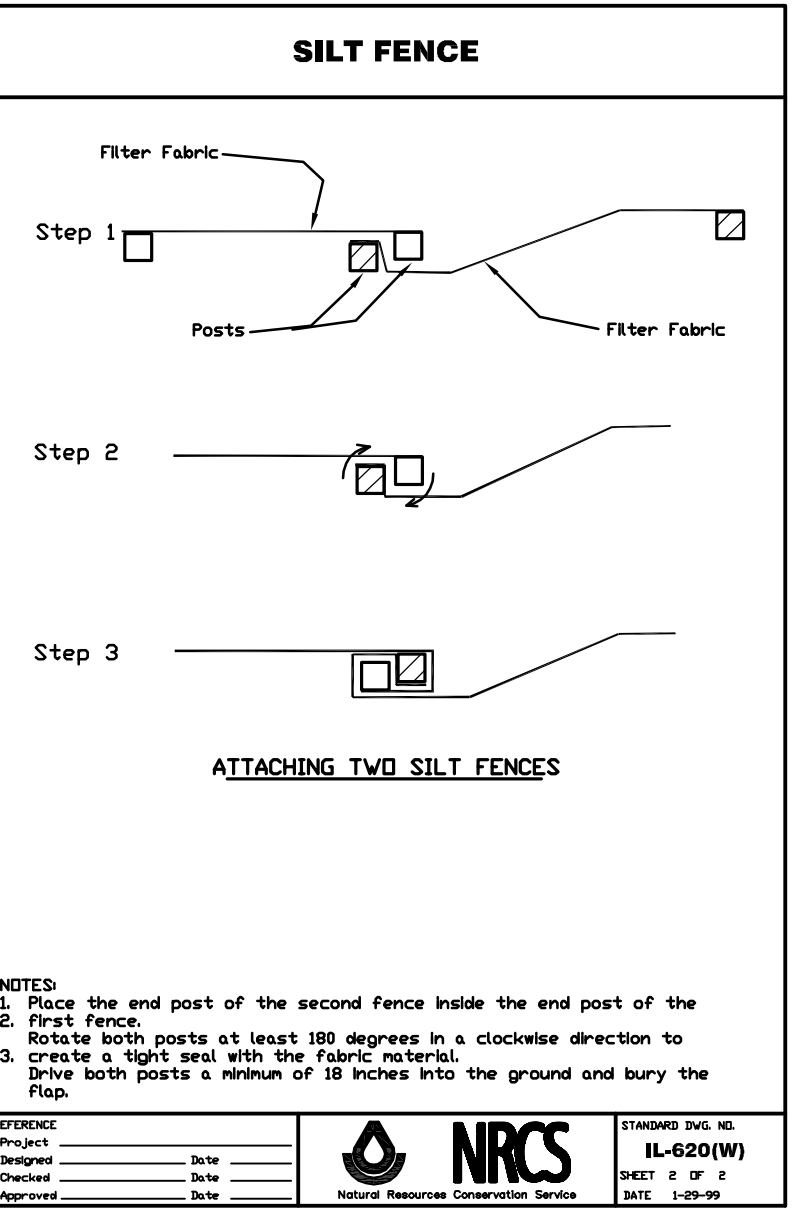
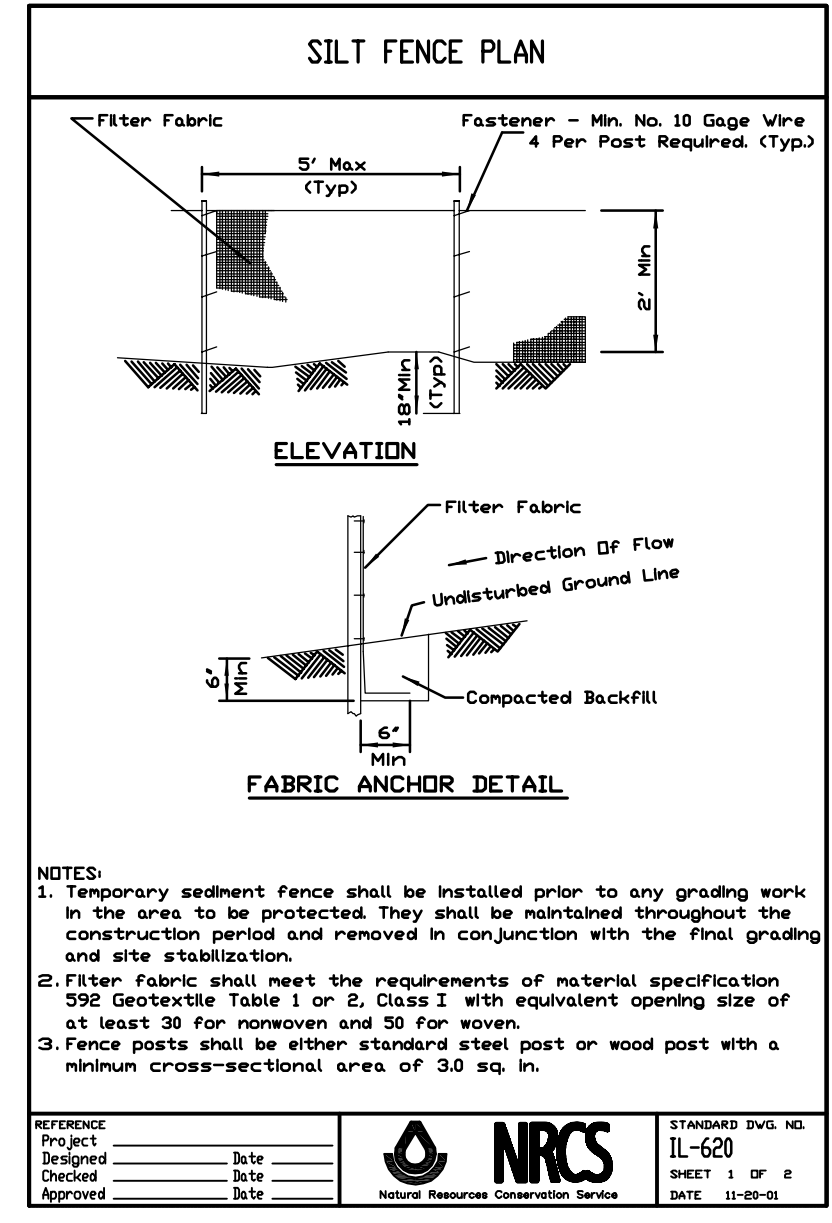
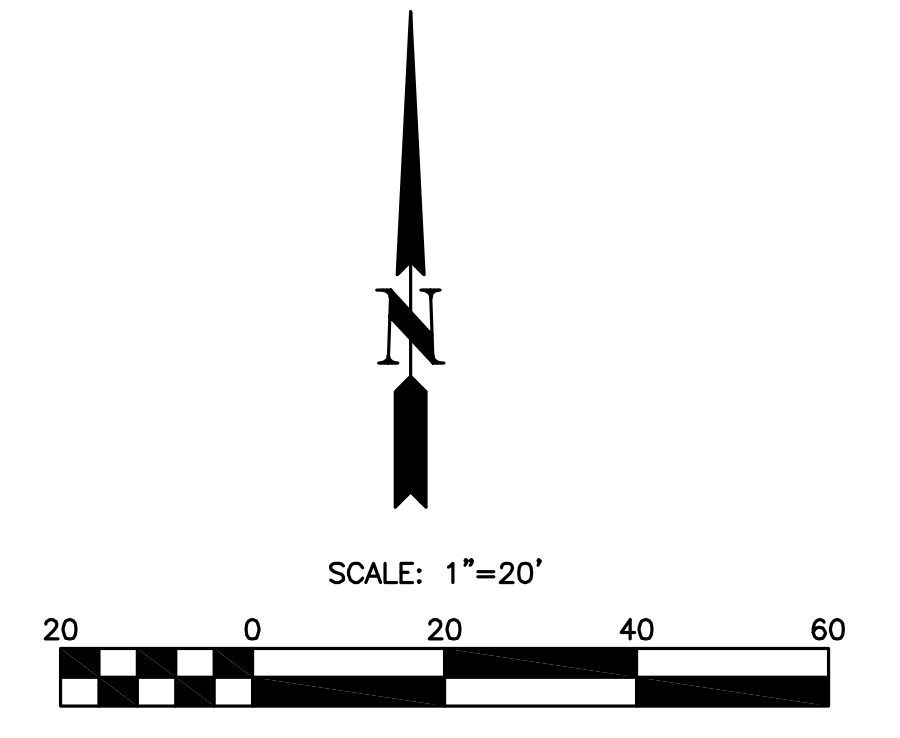
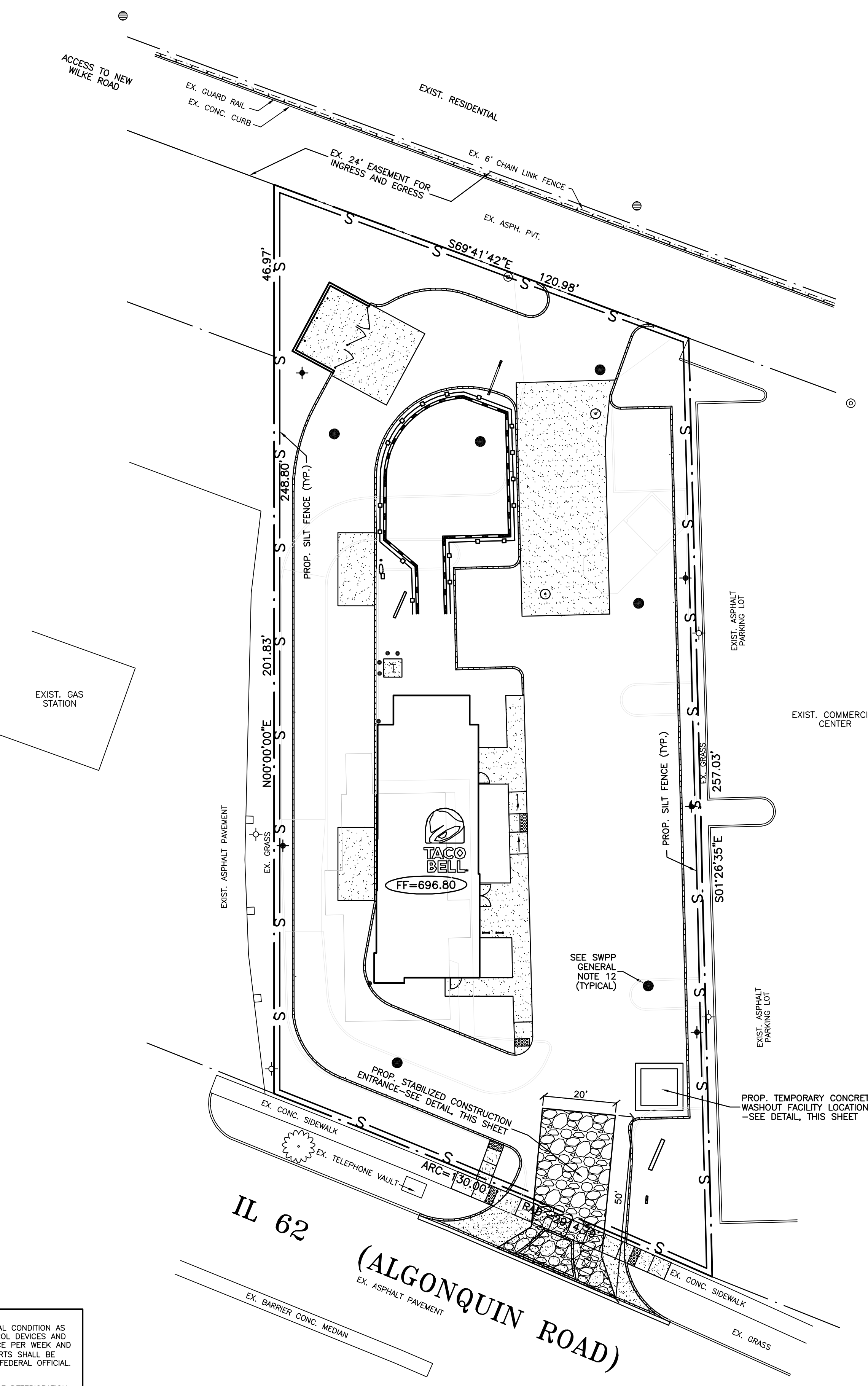
Owner Certification Statement: "I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Owner

Contractor Certification Statement: "I certify under penalty of law that I understand the terms and conditions of the general National Pollution Discharge Elimination System (NPDES) General Permit No. ILR-10 that authorizes the storm water discharges associated with activity from the construction site identified as part of this certification."

Contractor

- CONSTRUCTION SEQUENCE**
- INSTALL SILT FENCE AT LOCATIONS AS INDICATED ON THE PLANS.
 - INSTALL 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, WATERMAIN AND STORM SEWER, 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.



NOTES:

- Temporary sediment fence shall be installed prior to any grading work in the area to be protected. They shall be maintained throughout the construction period and removed in conjunction with the final grading and site stabilization.
- Filter fabric shall meet the requirements of material specification 592 Geotextile Table 1 or 2, Class I with equivalent opening size of at least 20 for nonwoven and 30 for woven.
- Fence posts shall be either standard steel post or wood post with a minimum cross-sectional area of 3.0 sq. in.

REFERENCE: Project: IL-620, Sheet: 1 of 8, Date: 12/20/18

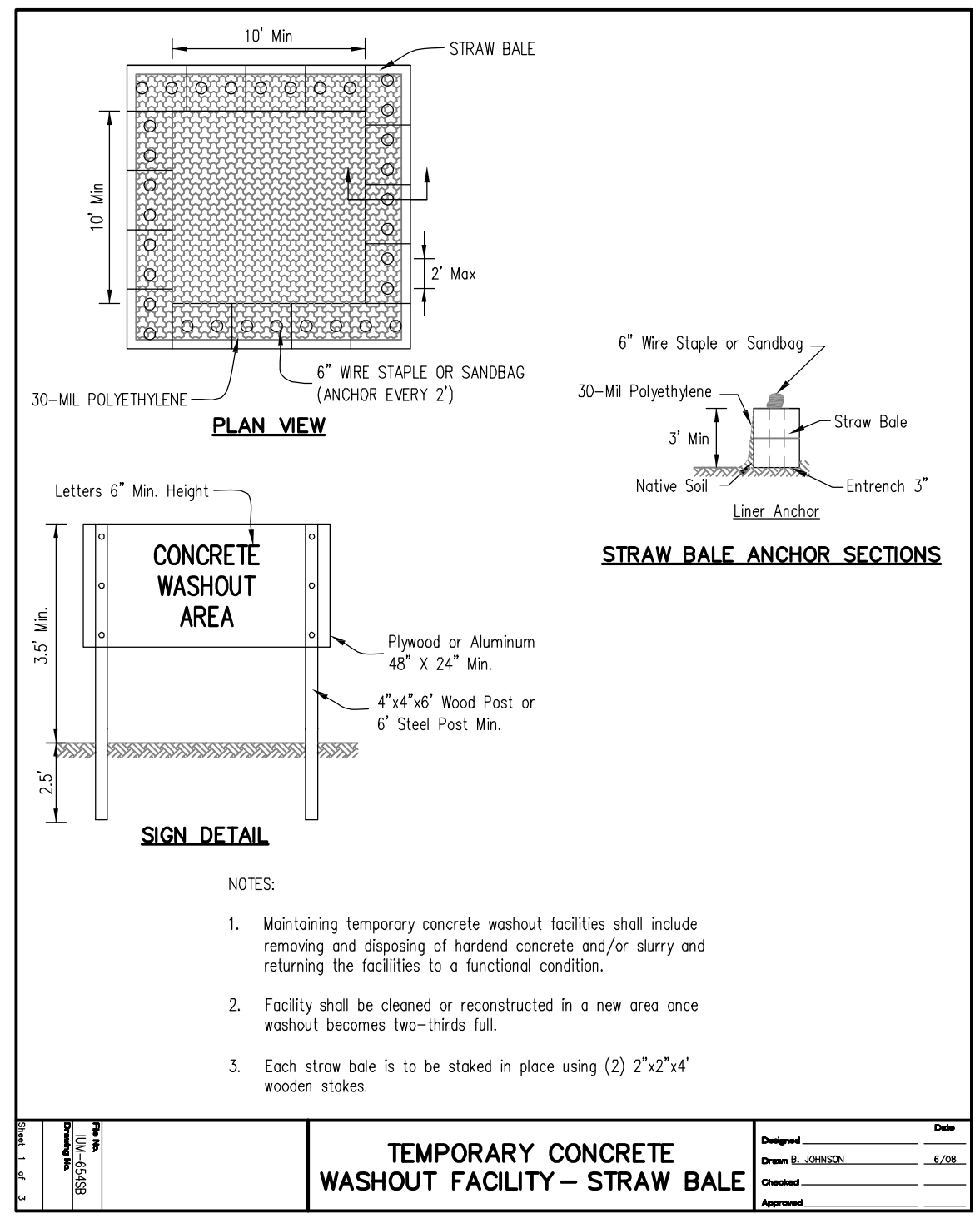
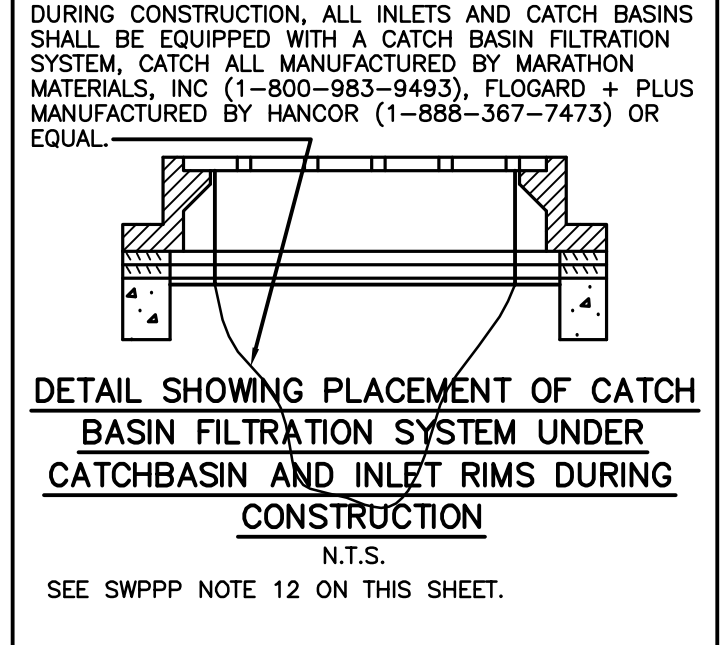
NRCS National Resource Conservation Service

NOTES:

- Place the end post of the second fence inside the end post of the first fence.
- Rotate both posts at least 180 degrees in a clockwise direction to create a tight seal with the fabric material.
- Drive both posts a minimum of 18 inches into the ground and bury the fabric.

REFERENCE: Project: IL-620(W), Sheet: 2 of 2, Date: 12/20/18

NRCS National Resource Conservation Service



CIVIL ENGINEERS SITE PLANNERS LAND SURVEYORS

NORTHWESTERN ENGINEERING CONSULTANTS, P.C.

675 N. NORTH COURT PALATINE, ILLINOIS 60067 (847) 520-8410
 ILLINOIS PROFESSIONAL DESIGN FIRM LICENSE NO. 184-002895 EXP. 4-30-19

STORM WATER POLLUTION PREVENTION PLAN

TACO BELL RESTAURANT

1530 W. ALGONQUIN ROAD

ARLINGTON HEIGHTS, ILLINOIS

REVISIONS

NO.	DATE	DESCRIPTION
1	10-9-18	REVISED PER VILLAGE REVIEW
2	9-20-18	REVISED PER VILLAGE REVIEW
3	7-30-18	REVISED PER IDOT REVIEW

DRAWN BY: KRL
CHECKED BY: DMH
DATE: 5-11-18
SCALE: 1"=20'

DRAWING NO. C-5

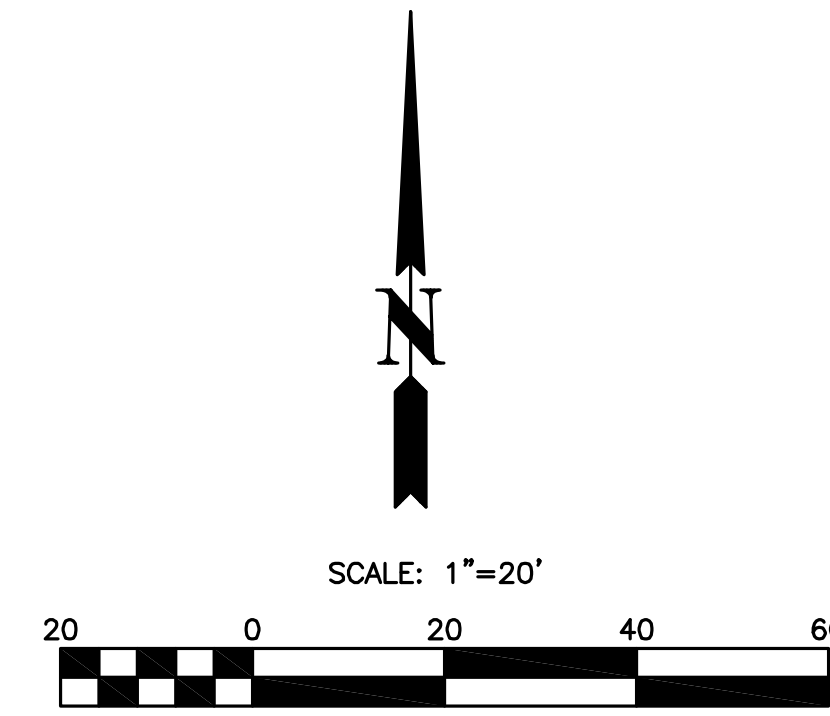
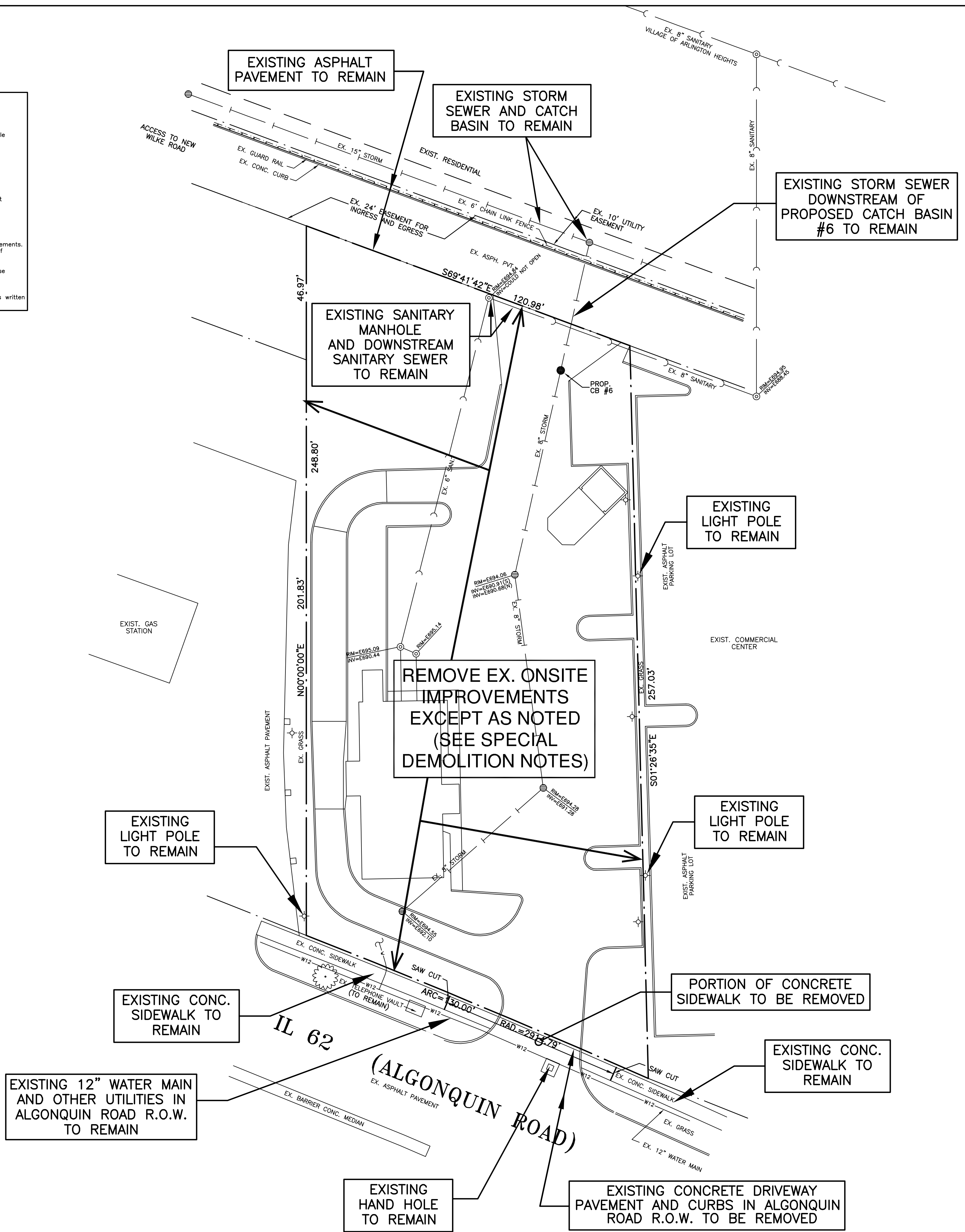
JOB NO. 18-19

SPECIAL DEMOLITION NOTES

1. All utility companies are to be contacted to permit marking their facilities before any work is done on the site.
2. The contractor shall be fully responsible for the demolition of existing on site facilities above and underground. All buildings, foundations, pavements, driveways, walks, fences, signs, storage tanks, septic tanks, light poles and other structures existing on the site are to be removed and disposed of off-site by the contractor, excepting that which is noted on the drawings to remain or is approved for re-use in the new construction. The contractor is responsible for the removal from the site of all demolished materials, the filling of all depressions caused by demolition, and the grading of these areas so as not to be objectionable to view. The contractor shall observe all required safety precautions in the performance of his work. The contractor shall comply with any recommendations in the Soils Report for the site for the removal of existing facilities.
3. Contractor is to verify that all existing utility service lines have been shut off or disconnected at their respective main lines before beginning structure and pavement removal on the site.
4. All existing buildings, foundations, utilities, landscaping and other improvements on adjacent properties shall be protected at all times during demolition and construction work. The contractor is responsible to provide and install any materials, equipment, and/or manpower necessary to accomplish this.
5. The owner shall be provided with copies of all demolition permits and utility information prior to the commencement of the work.
6. Any excavations caused by the removal of existing underground improvements shall be backfilled with compacted structural fill material in accordance with the soils engineer's requirements.
7. The contractor may at his option remove and stockpile existing stone base course material on the site. Stockpiled material approved by the soils engineer may be reused as part of the structural fill material required on the site.
8. The balance of the material shall be removed from the site and legally disposed of by the contractor.
9. Any existing water or sewer services for the site shall be shut off and abandoned in accordance with Village requirements. Any existing sewer or water service under or within 10 feet of the proposed building shall be removed. Each end of the removed section shall be plugged, and the trench shall be backfilled with compacted structural fill material.
10. The contractor shall meet with utility company representatives prior to commencing demolition work to review if there are any utility lines on the site serving other properties. If there are utility lines serving other properties, these lines shall remain in place and be carefully protected from damage during the demolition and construction work.
11. The contractor is advised that the site contains some trees and landscaping. The contractor shall make his own investigation and shall include the cost of the tree, tree stump, and landscaping removal in his demolition work as required. Any trees whose trunk is located on both sides of any property line shall remain and be protected, unless written permission is obtained from the adjoining property owner to remove said trees.

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 JULIE 1-800-892-0123
WITH THE FOLLOWING:
COUNTY: COOK
CITY-TOWNSHIP: ARLINGTON HEIGHTS
SEC. & 1/4 SEC. NO.: SE1/4 8-11-11
48 HOURS BEFORE YOU DIG
EXCLUDING SAT., SUN. & HOLIDAYS

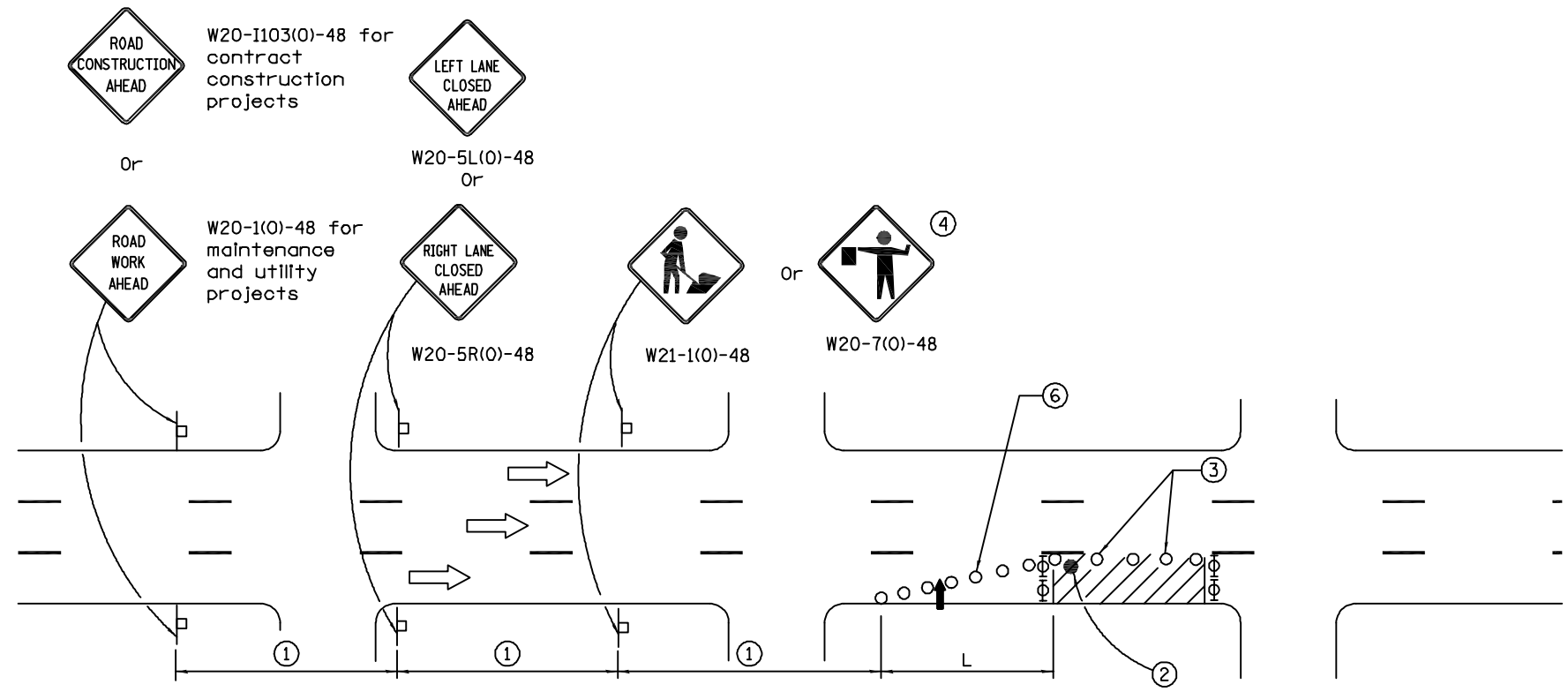


CIVIL ENGINEERS SITE PLANNERS LAND SURVEYORS
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ILLINOIS PROFESSIONAL DESIGN FIRM LICENSE NO. 184-002895 EXP. 4-30-19

DEMOLITION PLAN
TACO BELL RESTAURANT
1530 W. ALGONQUIN ROAD
ARLINGTON HEIGHTS, ILLINOIS

NO.	DATE	DESCRIPTION
1	7-20-18	REVISED PER DOT REVIEW
2	9-20-18	REVISED PER VILLAGE REVIEW

DRAWN BY: KRL
CHECKED BY: DMH
DATE: 5-11-18
SCALE: 1"=20'
DRAWING NO. C-7
JOB NO. 18-19



Posted Speed	Sign Spacing
55	500' (150 m)
50-45	350' (100 m)
45	200' (60 m)

- SYMBOLS**
- ↑ Arrow board
 - Cone, drum or barricade
 - ▬ Sign on portable or permanent support
 - ▨ Work area
 - ⊕ Barricade or drum with flashing light
 - ⊖ Type III barricade with flashing lights
 - Flagger with traffic control sign.

- 1 Refer to SIGN SPACING TABLE for distances.
- 2 Required for speeds > 40 MPH
- 3 Cones at 25' (8 m) centers for 250' (75 m). Additional cones may be placed at 50' (15 m) centers. When drums or Type I or Type II barricades are used, the interval between devices may be doubled.
- 4 Use flagger sign only when flagger is present.
- 5 For approved sideroad closures.
- 6 Cones, drums or barricades at 20' (6 m) in taper.

GENERAL NOTES

This Standard is used where at any time, day or night, any vehicle, equipment, workers or their activities encroach on the pavement during shoulder operations or where construction requires lane closures in urban areas.

Calculate L as follows:

SPEED LIMIT

English	(Metric)
40 mph (70 km/h) or less:	$L = \frac{WS^2}{60}$ $L = \frac{WS^2}{150}$
45 mph (80 km/h) or greater:	$L = (WS)$ $L = 0.65(WS)$

W = Width of offset in feet (meters).
S = Normal posted speed mph (km/h).

All dimensions are in inches (millimeters) unless otherwise shown.

DATE	REVISIONS
1-1-14	Revised workers sign number to agree with current MUTCD.
1-1-13	Omitted text 'WORKERS' sign.

URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIUM
(Sheet 1 of 2)

STANDARD 701601-09

Illinois Department of Transportation

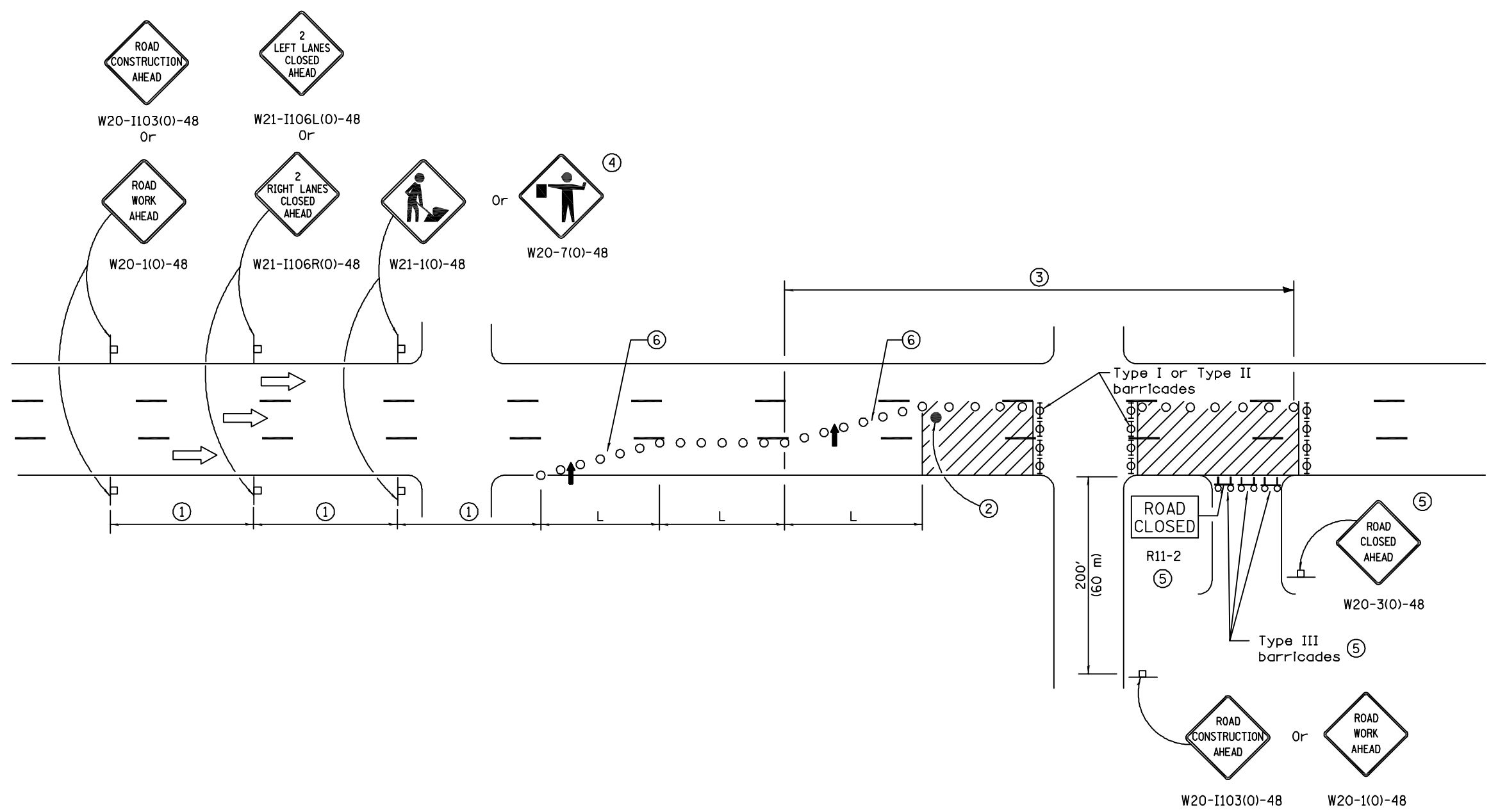
APPROVED: [Signature] 2014
ENGINEER OF SAFETY ENGINEERING

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URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIUM
(Sheet 2 of 2)

STANDARD 701601-09

Illinois Department of Transportation

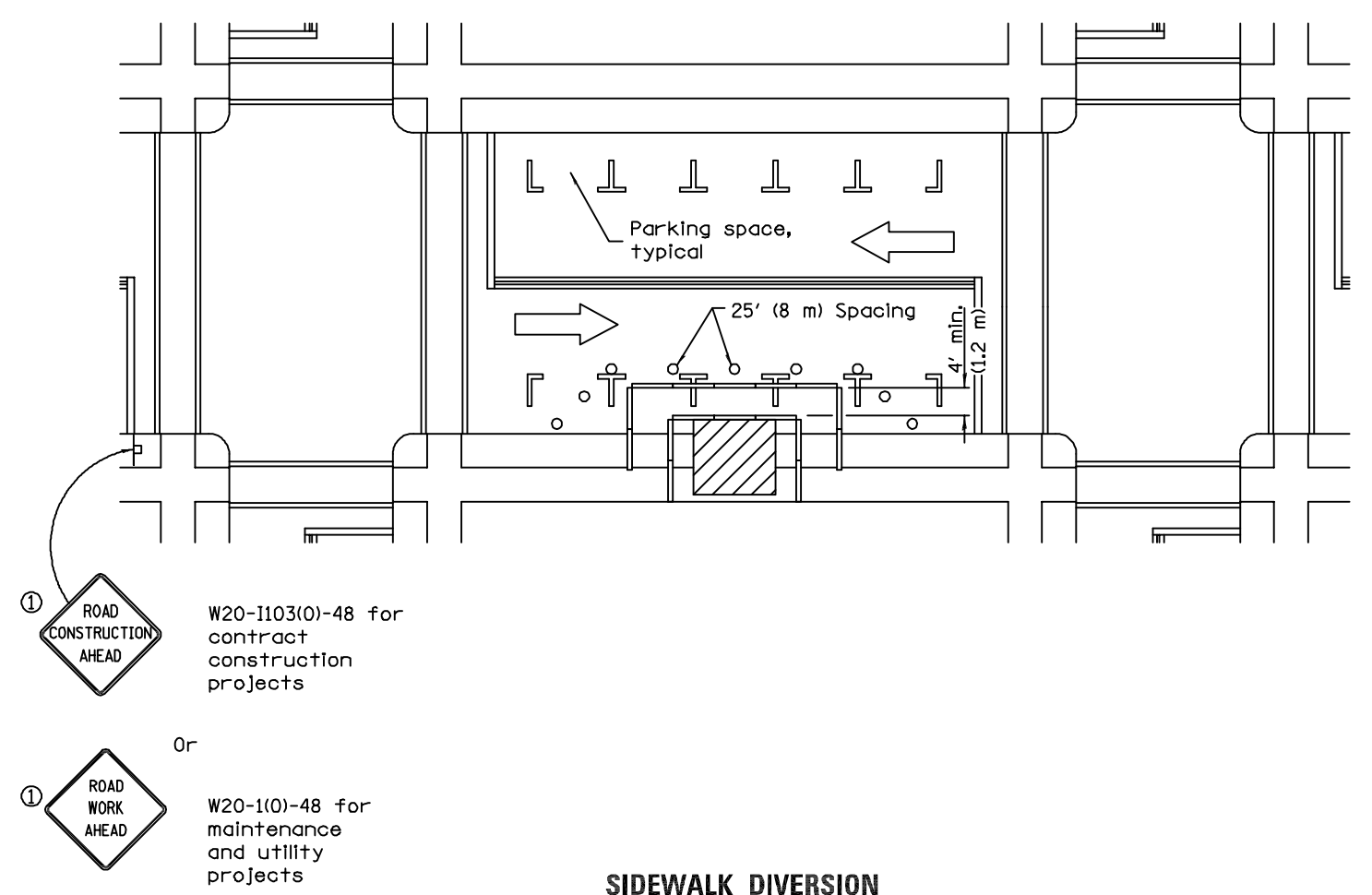
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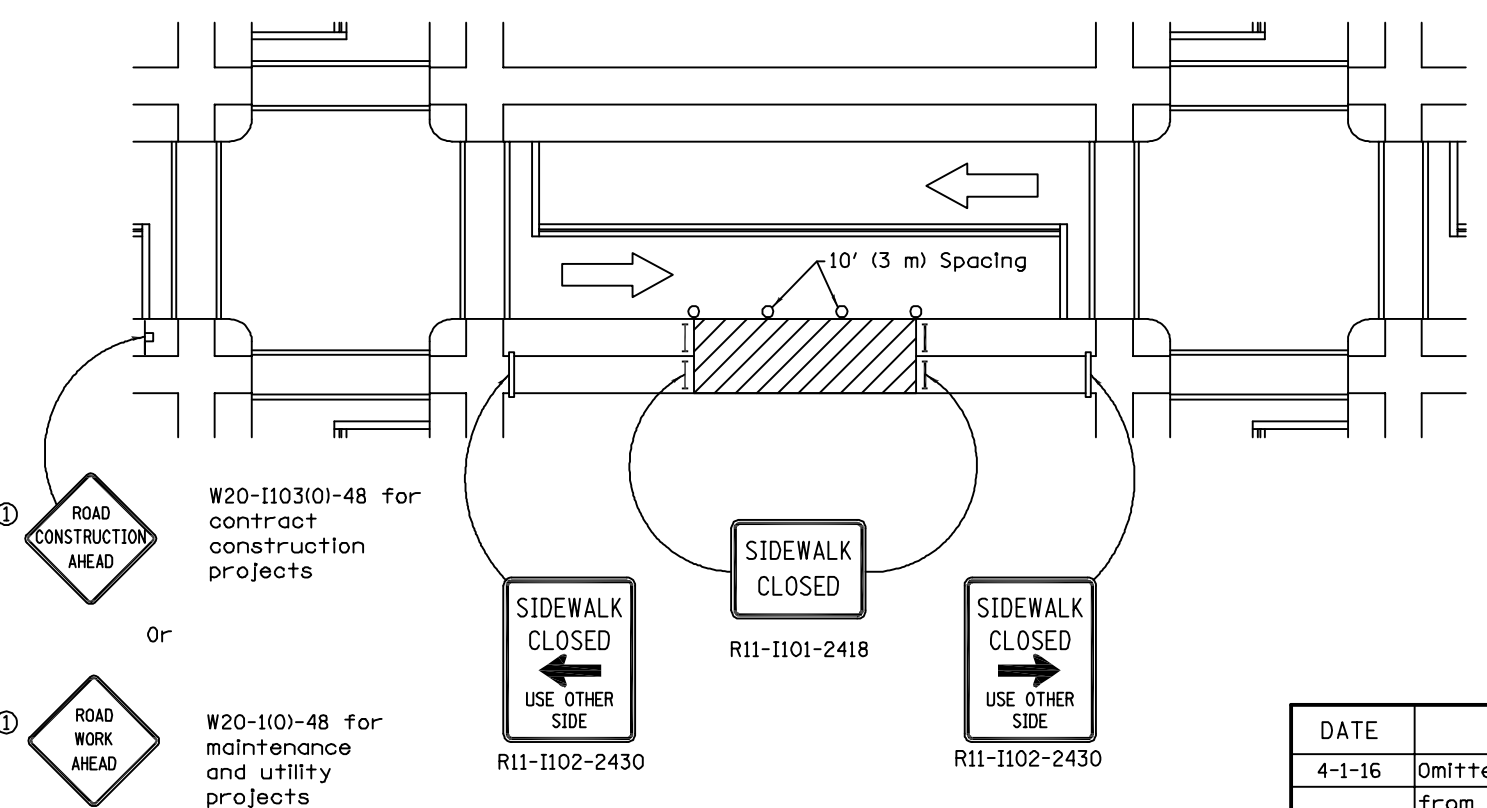
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SIDEWALK DIVERSION



SIDEWALK CLOSURE

1 Omit whenever duplicated by road work traffic control.

GENERAL NOTES

This Standard is used where, at any time, pedestrian traffic must be rerouted due to work being performed.

This Standard must be used in conjunction with other Traffic Control & Protection Standards when roadway traffic is affected.

Temporary facilities shall be detectable and accessible.

The temporary pedestrian facilities shall be provided on the same side of the closed facilities whenever possible.

The SIDEWALK CLOSED / USE OTHER SIDE sign shall be placed at the nearest crosswalk or intersection to each end of the closure. Where the closure occurs at a corner, the signs shall be erected on the corners across the street from the closure. The SIDEWALK CLOSED signs shall be used at the ends of the actual closures.

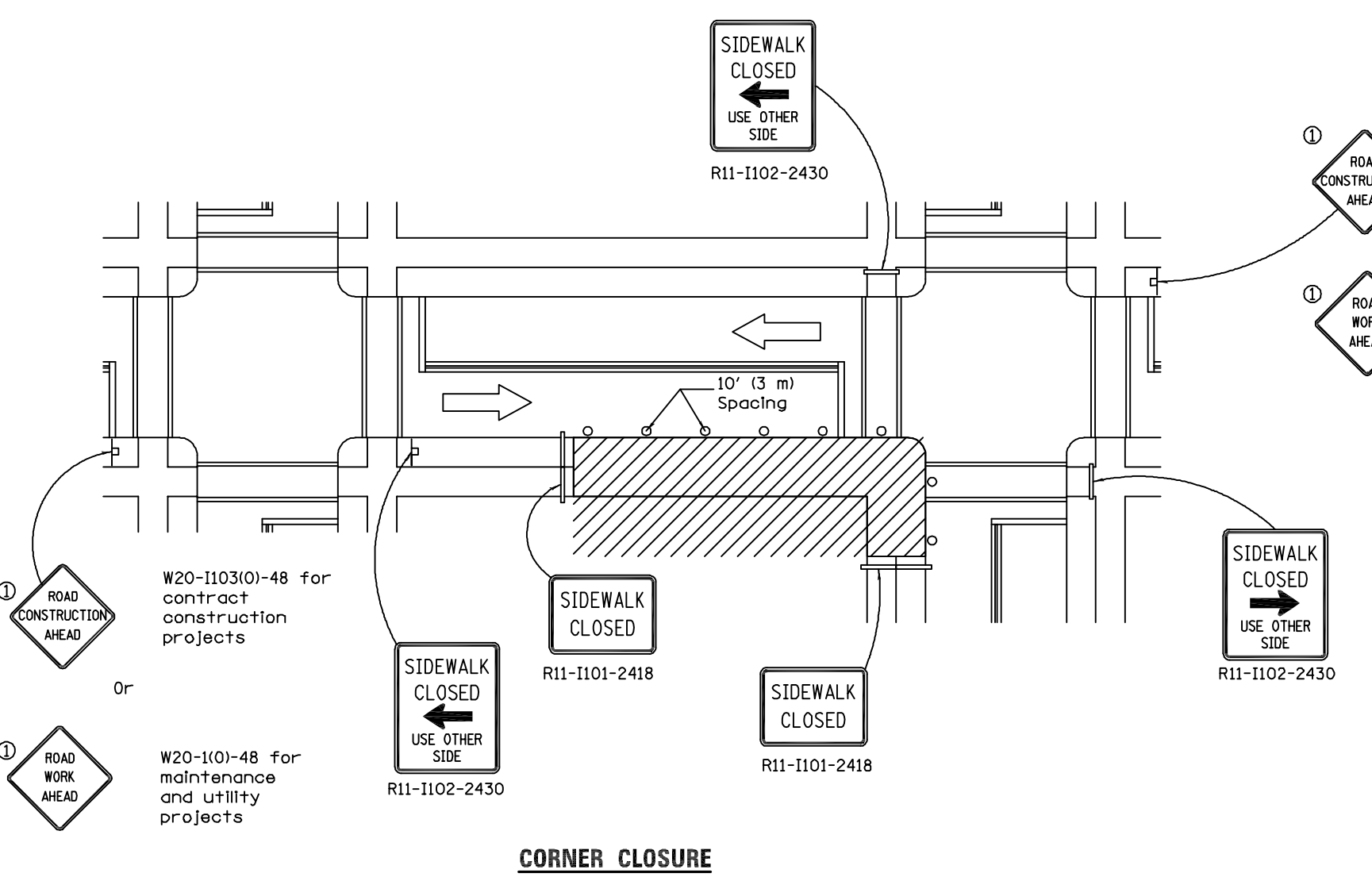
Type III barricades and R11-2-4830 signs shall be positioned as shown in "ROAD CLOSED TO ALL TRAFFIC" detail on Standard 701901.

All dimensions are in inches (millimeters) unless otherwise shown.

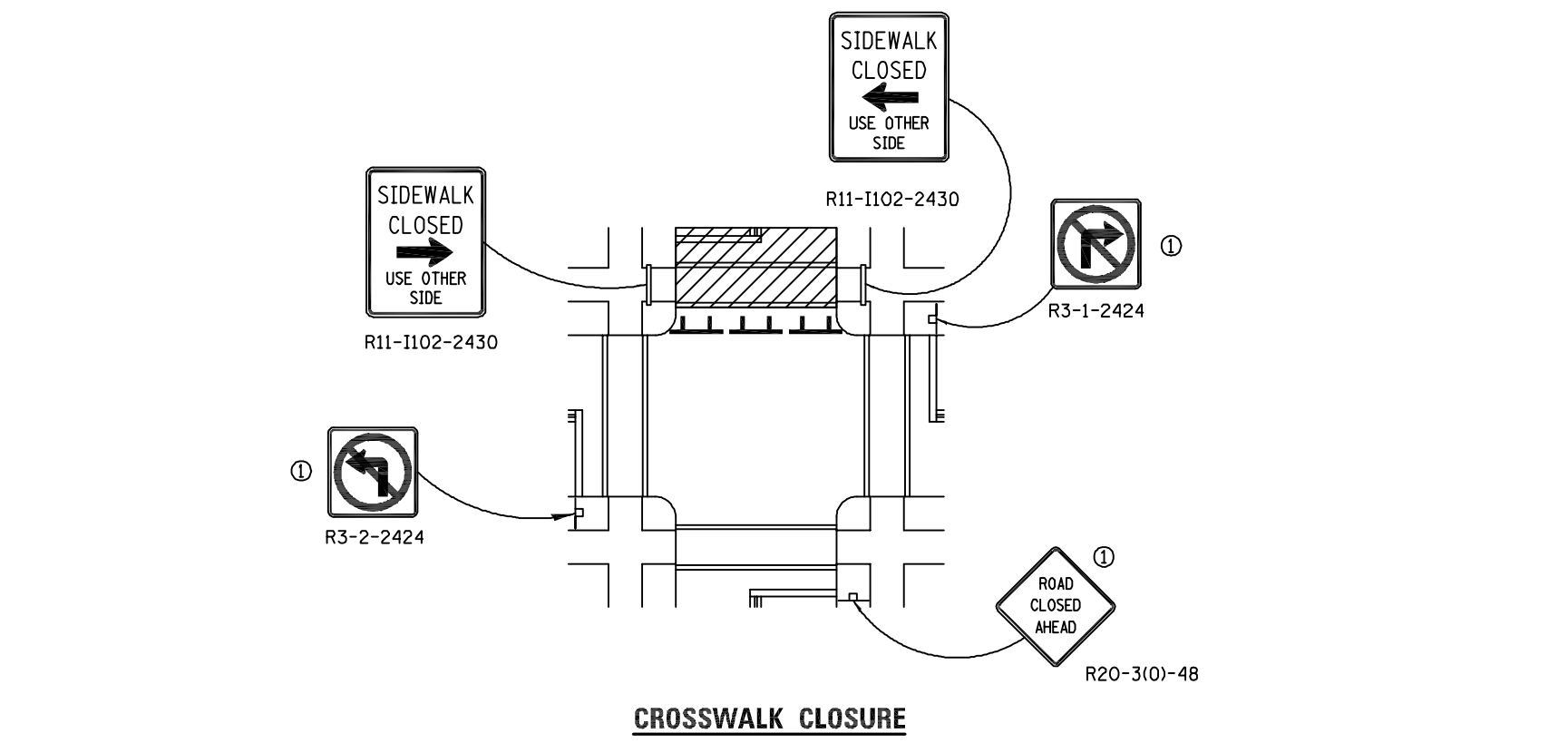
DATE	REVISIONS
4-1-16	Omitted orange safety fence from standard as this is covered in the std. spec.
1-1-12	Added SIDEWALK DIVERSION. Modified appearance of plan views. Renamed Std.

SIDEWALK, CORNER OR CROSSWALK CLOSURE
(Sheet 1 of 2)

STANDARD 701801-06



CORNER CLOSURE



CROSSWALK CLOSURE

SIDEWALK, CORNER OR CROSSWALK CLOSURE
(Sheet 2 of 2)

STANDARD 701801-06

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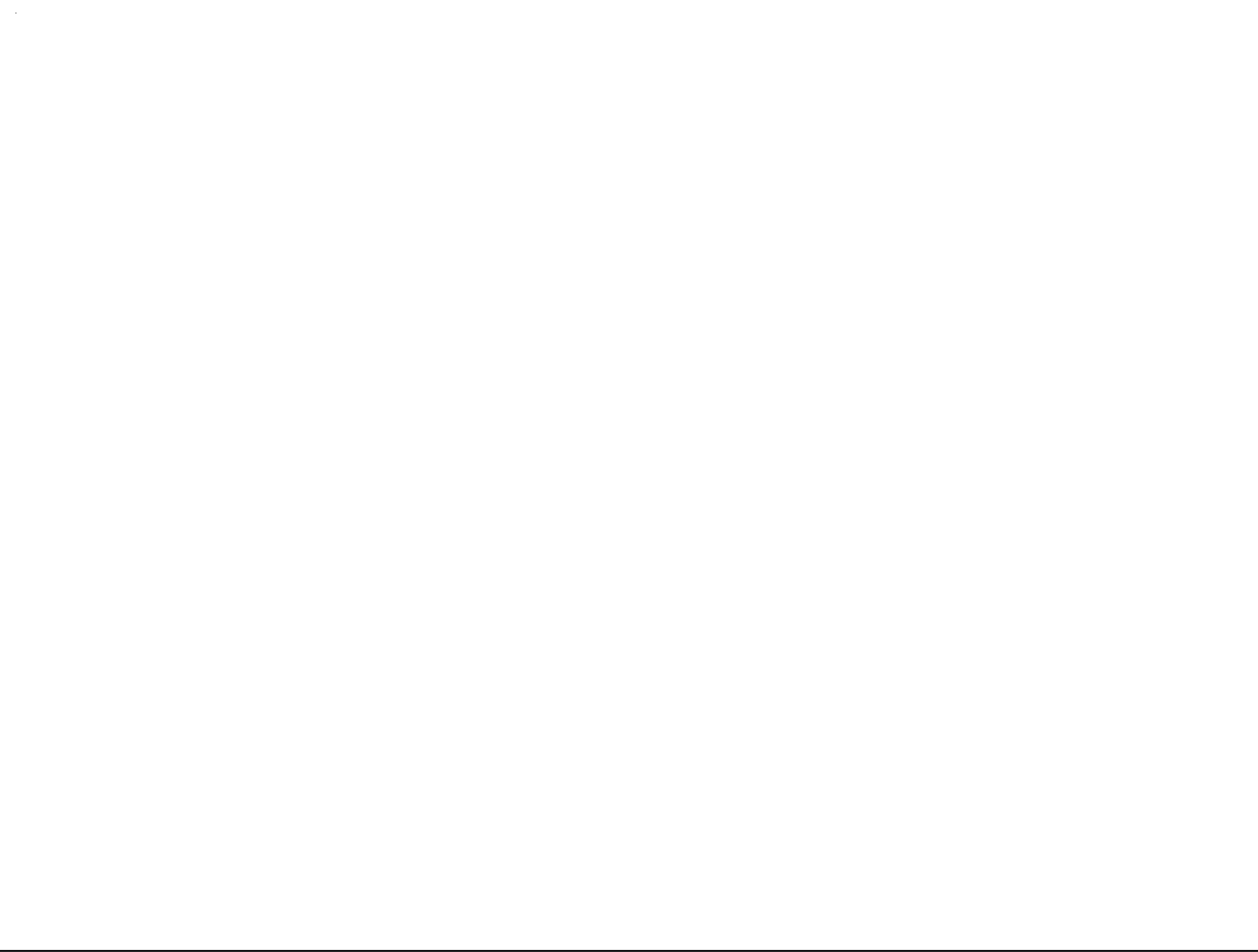
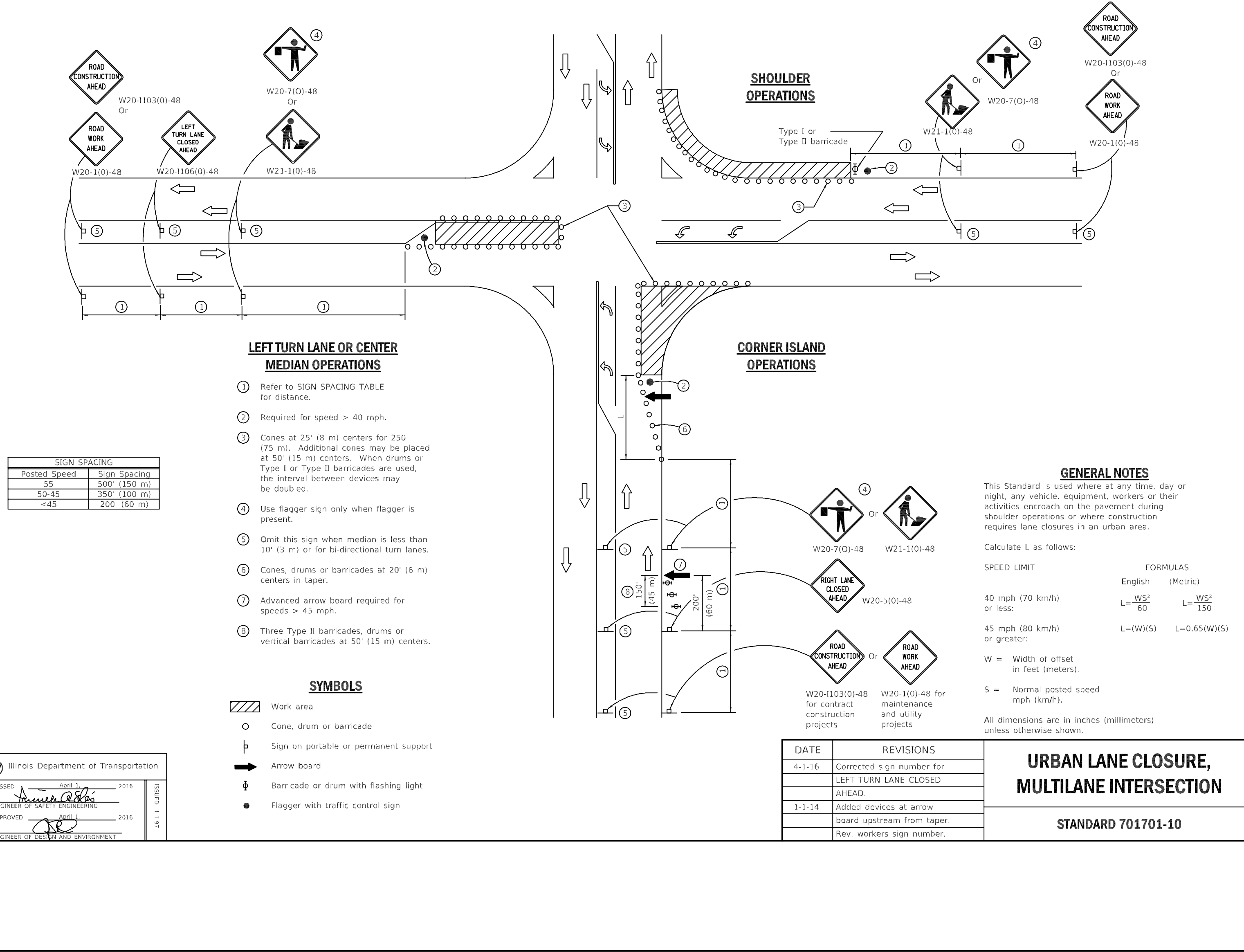
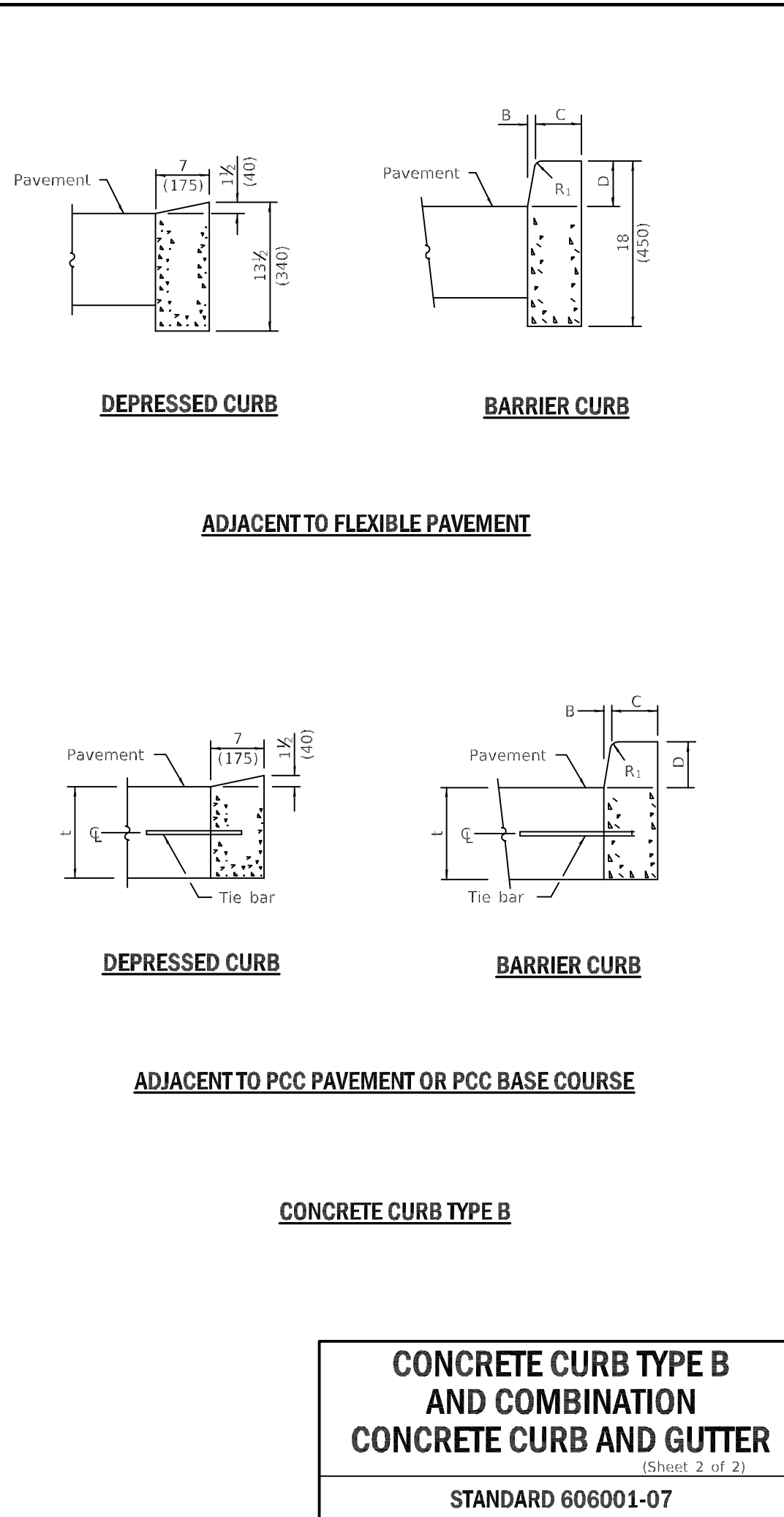
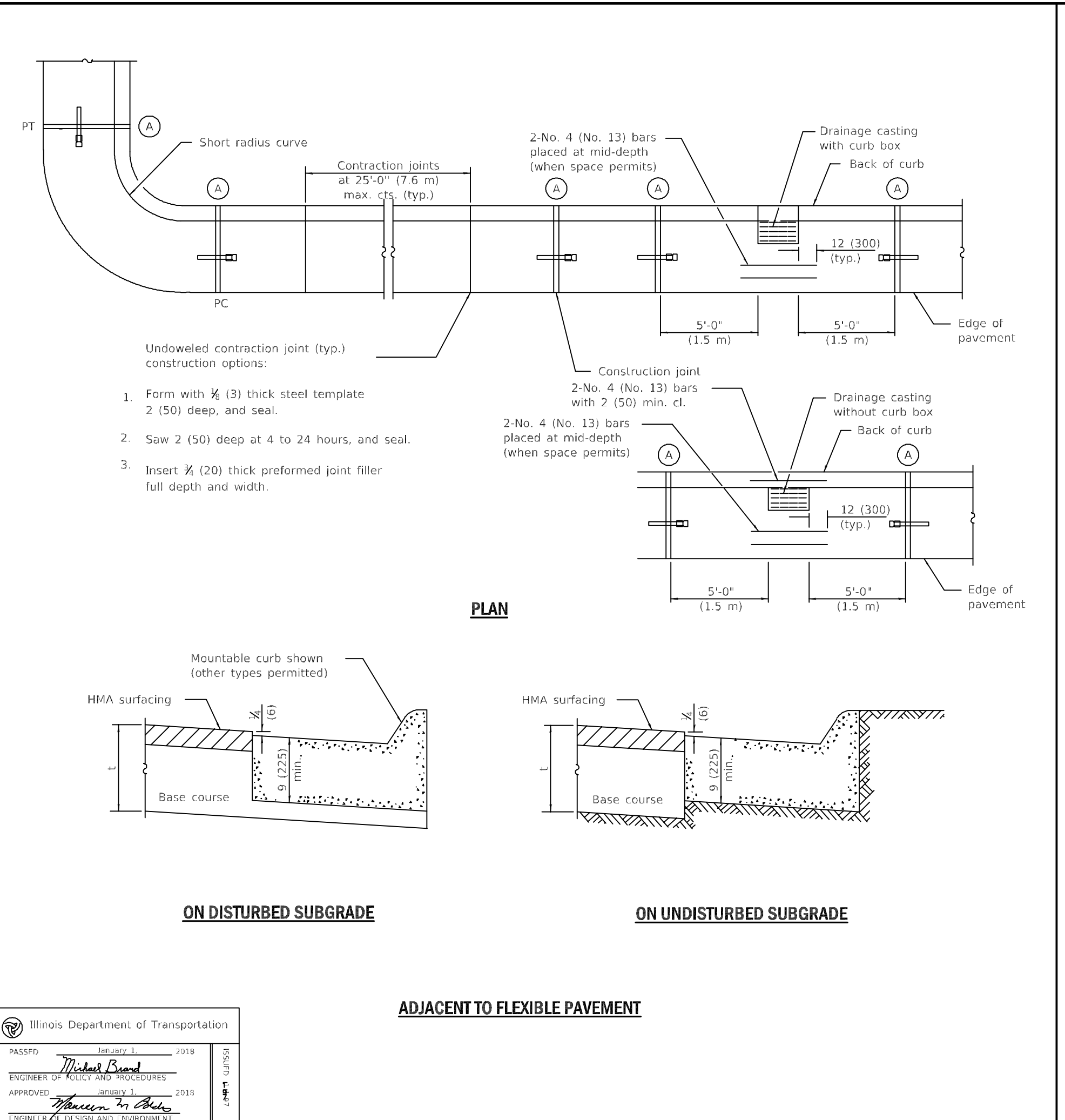
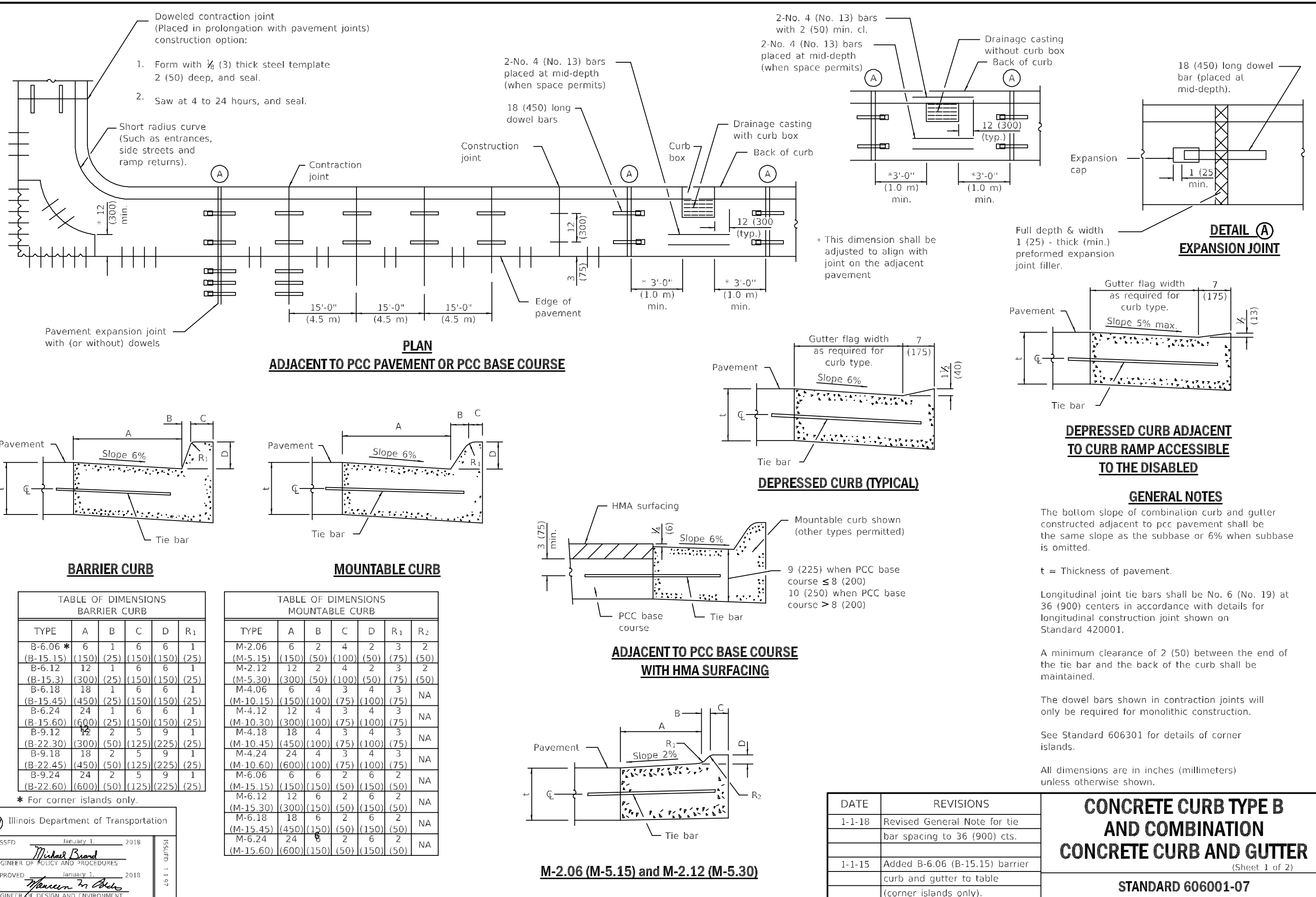
IDOT STANDARDS
 TACOO BELL RESTAURANT
 1530 W. ALGONQUIN ROAD
 ARLINGTON HEIGHTS, ILLINOIS

NO.	DATE	DESCRIPTION

DRAWN BY: KRL
CHECKED BY: DMH
DATE: 5-11-18
SCALE: N.T.S.

DRAWING NO. C-11
JOB NO. 18-19

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CIVIL ENGINEERS SITE PLANNERS LAND SURVEYORS

IDOT STANDARDS
 TACO BELL RESTAURANT
 1530 W. ALGONQUIN ROAD
 ARLINGTON HEIGHTS, ILLINOIS

NO.	DATE	REVISIONS	DESCRIPTION

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DRAWING NO.
C-12

JOB NO.
18-19

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