

McHENRY COUNTY COLLEGE
PARKING LOT C IMPROVEMENTS
CRYSTAL LAKE, ILLINOIS
8900 US Hwy 14



LOCATION MAP



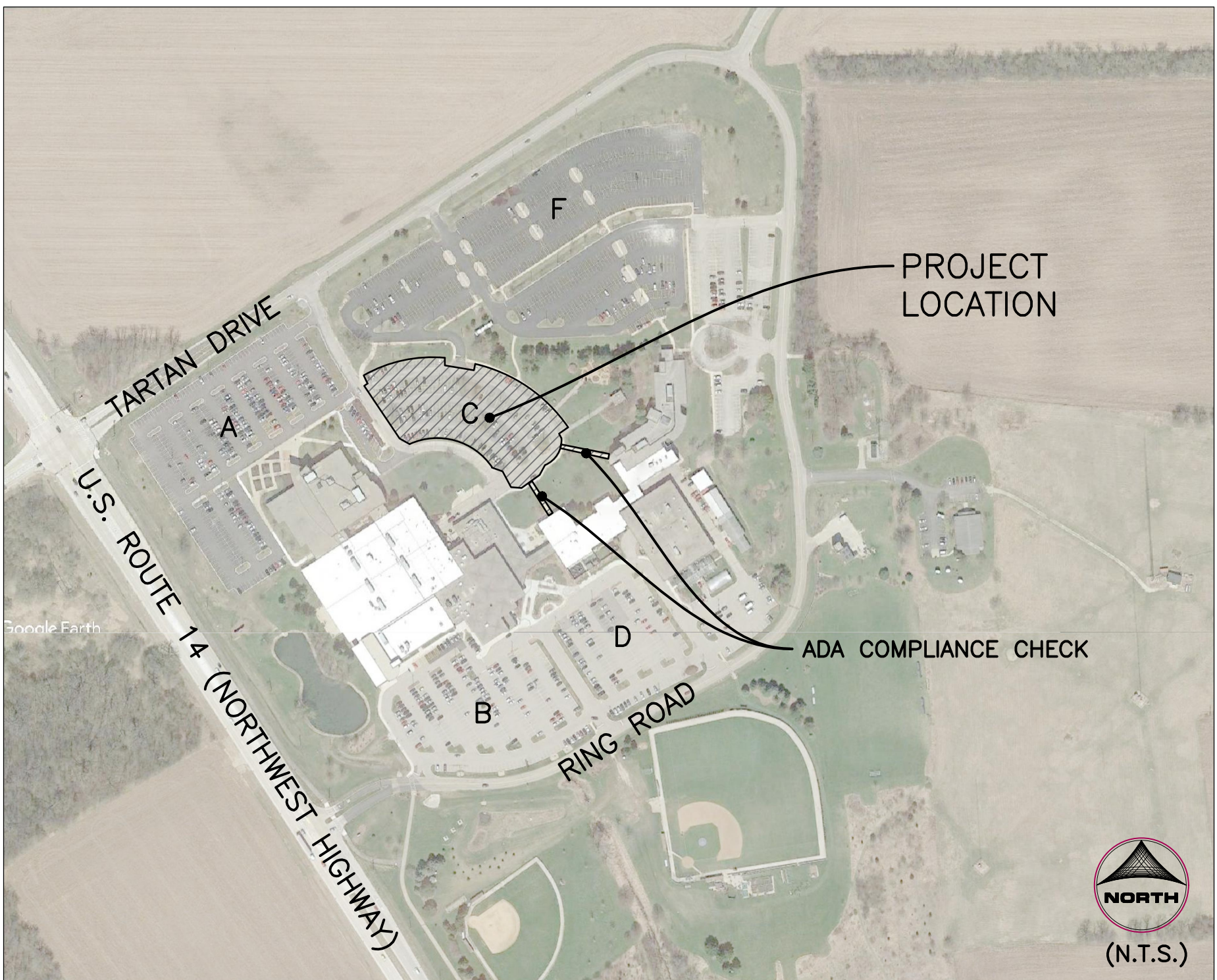
SHEET INDEX

CIVIL/SITEWORK

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C-07	STANDARD CONSTRUCTION DETAILS
C-08	STANDARD CONSTRUCTION DETAILS

OWNER: McHENRY COUNTY COLLEGE 8900 U.S. HIGHWAY 14 CRYSTAL LAKE, IL 60012 PHONE: (815) 455-8564 MR. TODD WHEELAND – ASSISTANT VICE PRESIDENT OF FACILITIES MANAGEMENT
ENGINEER / SURVEYOR: HR GREEN, INC. 420 NORTH FRONT STREET, SUITE 100 McHENRY, IL 60050 PHONE: (815) 385-1778 JOSEPH F. VAVRINA, P.E. – PROJECT MANAGER DOUG STALKER – PROJECT SURVEYOR
LANDSCAPE ARCHITECT: HR GREEN, INC. 420 NORTH FRONT STREET McHENRY, IL 60050 PHONE: (815) 385-1778 NATHAN SEHMER, PLA

UTILITY CONTACTS:		
UTILITY SERVICE	CONTACT	TELEPHONE #
WATER SERVICE:	CITY OF CRYSTAL LAKE, ENGINEERING DIVISION 100 WEST WOODSTOCK STREET CRYSTAL LAKE, IL 60014 MR. MICHAEL MAGNUSON	(815) 356-3614
SANITARY SERVICE:	CITY OF CRYSTAL LAKE, ENGINEERING DIVISION 100 WEST WOODSTOCK STREET CRYSTAL LAKE, IL 60014 MR. MICHAEL MAGNUSON	(815) 356-3614
STORM DRAINAGE:	CITY OF CRYSTAL LAKE, ENGINEERING DIVISION 100 WEST WOODSTOCK STREET CRYSTAL LAKE, IL 60014 MRS. ABIGAIL WILGREEN	(815) 356-3605
ELECTRIC SERVICE:	COMMONWEALTH EDISON 350 S. 2ND STREET ELGIN, IL 60123 MR. JAYVEE ROLDAN	(847) 608-2382
TELEPHONE SERVICE:	AT&T ILLINOIS 222 WEST JACKSON STREET WOODSTOCK, IL 60098 MR. STEVEN JONES	(815) 394-7270
GAS SERVICE:	NICOR 300 WEST TERRA COTTA AVENUE CRYSTAL LAKE, IL 60014 MS. LORA WIELAND	(815) 261-9406
ROADWAY AUTHORITY:	ILLINOIS DEPARTMENT OF TRANSPORTATION 201 WEST CENTER COURT SCHAUMBURG, IL 60196 MR. TOMAS GALLENBACH	(847) 705-4143



NOTE:

- HR GREEN, INC. IS TO BE NOTIFIED 3 DAYS PRIOR TO CONSTRUCTION START.
- HR GREEN, INC. SHALL BE INCLUDED IN ALL PRE-CONSTRUCTION MEETINGS.
- PLANS WERE PREPARED WITH THE INTENT THAT HR GREEN, INC. WILL DO ALL CONSTRUCTION STAKING.
- ANY DISCREPANCIES ON THIS PLAN SET MUST BE NOTED AND HR GREEN, INC. NOTIFIED PRIOR TO ACTUAL CONSTRUCTION.



420 N. FRONT STREET, SUITE 100 | McHENRY, IL 60050

Phone: 815.385.1778 | Toll Free: 800.728.7805 | Fax: 815.385.1781 | HRGreen.com

Dial 811 or 1-800-892-0123



Know what's below.
Call before you dig.

CALL JULIE 1-800-892-0123

WITH THE FOLLOWING:
COUNTY McHenry
CITY-TOWNSHIP Crystal Lake - Dorr
SEC. & 1/4 SEC. NO.# SW 1/4 OF SEC-25-T-44N-7E
48 hours before you dig
(Excluding Sat., Sun. & Holidays)

DRAWN BY: MRJ	JOB DATE: 01/06/2020	BAR IS ONE INCH ON OFFICIAL DRAWINGS.
APPROVED: JFV	JOB NUMBER: 191388	0" 1"
CAD DATE: 1/8/2020 2:19:06 PM		IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.
CAD FILE: J:\2019\191388\CAD\Dwgs\C\191388_Cover.dwg		

NO.	DATE	BY	REVISION DESCRIPTION

	ILLINOIS DESIGN FIRM # 184-001322 420 N. FRONT STREET, SUITE 100 McHENRY, ILLINOIS 60050 PHONE: 815.385.1778 TOLL FREE: 800.728.7805 FAX: 815.385.1781 HRGreen.com
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McHENRY COUNTY COLLEGE PARKING LOT C IMPROVEMENTS CRYSTAL LAKE, ILLINOIS
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CIVIL SITEWORK COVER SHEET

SHEET NO. C-00

	I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Illinois.
	JOSEPH F. VAVRINA, P.E. License Number: 062-058926 My license renewal date is November 30, 2021. Pages or sheets covered by this seal: ALL "C" SHEETS
	DATE
	01/09/20

FOR PERMIT/BID

SPECIFICATIONS & GENERAL NOTES

All items of this project shall be governed by specifications included in the documents listed below:

- A. "Standard Specifications for Road and Bridge Construction" prepared by the Department of Transportation of the State of Illinois and adopted by said department (latest revision).
- B. "Supplemental Specifications and Recurring Special Provisions" adopted by the Illinois Department of Transportation (latest revision date).
- C. "Standards and Specifications for Soil Erosion and Sediment Control" (latest revision).
- D. "Standard Specifications for Water and Sewer Main Construction in Illinois" (latest revision).

In addition the following special provisions supplement the said specifications, and in case of conflict with any part or parts of said specifications, these special provisions shall take precedence and shall govern.

1. SCOPE OF WORK. The proposed improvement consists of supplying all the necessary labor, material and equipment to construct and install all improvements according to the plans designated as "McHENRY COUNTY COLLEGE PARKING LOT C IMPROVEMENTS."

2. CONSTRUCTION OF UNDERGROUND UTILITIES

- A. Excavation: Where working conditions and right-of-way permit, pipe line trenches with sloping sides may be used.

The slopes shall not extend below the top of the pipe, and trench excavations below this point shall be made with vertical sides with widths not exceeding those specified herein for the various sizes of pipe.

Open-cut trenches shall be sheeted and braced as required by the governing State and Federal laws and municipal ordinances, and as may be necessary to protect life, property, or the work.

Where firm foundation is not encountered at the grade established due to unsuitable soil, all such unsuitable material shall be removed and replaced with approved compacted granular material.

- B. Width of trench: See trench detail.

- C. Removal of water: Contractors shall, at all times during construction, provide and maintain ample means and devices with which to remove and properly dispose of all water entering the excavations. No sanitary sewer shall be used for disposal of trench water, unless specifically approved by the Engineer and then only if the trench water does not ultimately arrive at existing pumping or sewage treatment facilities.

- D. Bedding of pipe: All pipe shall be installed on a bed of approved, compacted granular material unless otherwise approved by the City Engineer. The bedding and backfilling of excavated materials shall be cleared with City first and be installed as per typical trench backfill detail.

- E. Special backfill: Whenever the excavation is in existing or proposed street, parking areas, driveways, or other paved areas, the trench shall be backfilled with approved selected granular material, compacted in place. The top 12" of the backfill shall be filled with road gravel or crushed stone and maintained as a temporary surface for the normal use of the area. Special backfill shall meet the requirements of the detail UG-03 found on Sheet C-16. Note: Excavated materials may be used if approved by the City Engineer.

- F. Restoration of drainage: As soon as possible after backfilling the trench, all ditching, grading and shaping necessary to restore the original drainage in the area of work shall be performed. Culverts removed during the course of the work shall be replaced as soon as practicable.

Adequate temporary drainage facilities shall be provided during construction.

- G. Utilities: The Contractor shall notify all utilities prior to the installation of any pipe lines. Where conflict exists between underground utilities and the proposed underground piping requiring a revision to the plans, such construction shall not be undertaken until such changes are approved by the City Engineer in writing.

3. The subgrade shall be free of unsuitable material and shall be prepared in accordance with the recommendations noted in the geotechnical report prepared by Midland Standard Engineering and Testing, INC. dated November 6, 2019 for this project. Testing for compaction shall be the responsibility of the contractor. The City of Crystal Lake will require a proof-roll test if warranted by final soil composition; this applied to the parking lot and aisle subgrade and also upon gravel placement. All topsoil and any organic materials must be removed.

4. Easements for the existing utilities, both public and private, and utilities within public rights-of-way are shown on the plans according to available records. The Contractor shall be responsible for determining the exact location in the field of these utility lines and their protection from damage due to construction operations. If existing utility lines of any nature are encountered which conflict in location with new construction, the Contractor shall notify the Engineer so that the conflict may be resolved.

5. Contractor shall be responsible for securing all Permits including municipal permits.

6. INSPECTION. All improvements shall be subject to inspection by a duly authorized and qualified City Inspector both during the course of construction and after construction is complete. The Inspector shall have authority over materials of construction, methods of construction and workmanship to insure compliance with working drawings and specifications. The Contractor shall provide for reasonable tests and proof of quality of materials as requested by the Inspector. Inspector shall have forty-eight (48) hours notice prior to construction.

7. Wherever a sewer crosses under a water main, the minimum vertical distance from the top of the sewer to the bottom of the water main shall be 18". Furthermore, a minimum horizontal distance of 10' between sanitary sewers and water mains shall be maintained. If either the vertical or horizontal distances described above cannot be maintained, or the sewer crosses above the water main, the sewer pipe shall be pipe of water main type quality and water main quality joints, or the water main shall be encased in a steel sleeve for a perpendicular distance of 10' on each side of the sewer.

8. The Contractor may not remove any material from the site except as directed by the Owner or Engineer in the case of excess material.

9. EROSION CONTROL

It shall be the Contractor's responsibility to properly control erosion on the jobsite. Any siltation of conduits, structures or ditches shall be cleaned and maintained by the Contractor until the seeding has taken hold. All washouts, gullies, etc. will be regraded and reseeded by the Contractor. The Contractor's responsibility for erosion control shall extend throughout the construction process. The Contractor shall be responsible for clean-up of paved surfaces within and adjacent to the project on a timely basis and/or at the direction of the City Engineer.

10. TOPSOIL PLACEMENT.

Contractor shall place stockpiled topsoil or imported material on all disturbed areas with 6" topsoil raked smooth to be ready for landscaping (seeding, sod, etc.).

11. BITUMINOUS CONCRETE. Refer to pavement sections on sheets C-16 AND C-19 for type and thickness

12. The Engineer and City of Crystal Lake Engineering Department shall be notified if, during construction, any buried field tiles are exposed or disturbed. The Contractor shall reconnect said field tiles if deemed necessary.

13. Contractor shall provide insurance coverage as per Article 107.27 of the Standard Specifications. The "Department" shall be taken to mean HR Green, Inc. The policy of insurance shall include HR Green, Inc., the City of Crystal Lake and it's Agents as an additional insured or provide separate coverage with an Owner's Protective Policy, as per the amounts stated in the Standard Specifications. No work shall begin until the certificate of insurance is on file with the Engineer. All costs for insurance shall be considered incidental to the contract.

14. All handicapped parking signs must have a \$250.00 fine sign attached.

15. The Contractor shall be responsible for the installation and maintenance of adequate signs, traffic control devices, and warning devices to inform and protect the public during all phases of construction. See City Standard Traffic Control detail for lane closures of public roads.

16. The Engineer shall be responsible for the following:

- A. To visit the construction site in order to better carry out the duties and responsibilities assigned by the Owner and undertaken by the Engineer; and

- B. The Engineer shall not, during such visits or as a result of such observations of the Contractor's work in progress, supervise, direct, have control over the Contractor's work, nor shall the Engineer have the authority over the responsibility for the means, methods, techniques, sequences, or procedures of construction selected by the Contractor, for safety precautions and programs incidental to the work of the Contractor, or for any failure of the Contractor to comply with laws, rules, regulations, ordinances, codes or orders applicable to the Contractor furnishing and performing his work. Accordingly, the Engineer can neither guarantee the performance of the construction contracts by the Contractor nor assume responsibility for the Contractor's failure to furnish and perform his work in accordance with the Contract Documents.

17. No construction plans shall be used for construction unless specifically marked "For Construction." Prior to commencement of construction, the Contractor shall verify all dimensions and conditions affecting their work with the actual conditions at the job site. In addition, the Contractor must verify the Engineer's line and grade stakes. If there are any discrepancies from what is shown on the construction plans, he must immediately report same to the Engineer before doing any work, otherwise the Contractor assumes full responsibility. In the event of disagreement between the construction plans, standard specifications and/or special details, the Contractor shall secure written instructions from the Engineer prior to proceeding with any part of the work affected by omissions or discrepancies. Failing to secure such instructions, the Contractor will be considered to have proceeded at his own risk and expense.

In the event of any doubt or question arising with respect to the true meaning of the construction plans or specifications, the decision of the Engineer shall be final and conclusive.

18. The Contractor shall indemnify and hold harmless the City, City's Engineers their agents and it's employees, HR Green, Inc. and McHenry County College from and against all claims, damages, losses and expenses, including attorney's fees arising out of or resulting from the performance of the Contractor's work. In any and all claims against the City or its employees, by any employee of the Contractor, or anyone directly or indirectly employed by the Contractor, or anyone for whose acts the Contractor may be liable, the indemnification obligation shall not be limited in any way by any limitation on the amount of damages, waiver of subrogation compensation or benefits payable by or for the Contractor under Workmen's Compensation acts, disability benefit acts or other employee benefit acts.

19. Sawing of removal items as noted on the plans, specified in Section 440 of the Standard Specifications, or as required by the engineer, shall be considered incidental to the cost of the item being removed, and no extra compensation will be allowed, unless otherwise specified.

20. SIGN PANEL - TYPE 1, METAL POST - TYPE B. This work shall consist of furnishing and installing Type 1 sign panels on U-channel, and break away sign supports as indicated on the plans. Sign assemblies shall meet the requirements of Standard Specifications for Traffic Control Items.

Installation of sign assemblies shall be as specified on the plans, in accordance with the Illinois Manual on Uniform Traffic Control Devices and as directed by the Engineer.

Furnishing, fabricating and installing sign assemblies will be paid for at the contract unit price per square foot for Sign Panel - Type 1 which price will be payment in full for all labor and material necessary to fabricate and install each sign assembly specified on the plans. The posts, including the break away assembly, shall be paid for at the unit price per foot for Metal Post - Type B.

21. PROTECTIVE COAT. This work shall be in accordance with Section 420 of the Standard Specifications insofar as applicable with the following revision.

The protective coat shall be applied to all exposed surfaces of Combination Concrete Curb and Gutter, Concrete Median and Concrete Corrugated Median.

This work will be paid for at the contract unit price per square yard for Protective Coat.

22. COMBINATION CONCRETE CURB AND GUTTER. Concrete curb, concrete gutter and combination concrete curb and gutter shall be constructed, measured and paid for in accordance with Section 606 of the Standard Specifications except as follows:

Revise the last sentence of the second paragraph of Article 606.07 to read as follows: "The traverse joints shall be contraction joints spaced on 12'-foot centers."

Any City requirements regarding expansion & contraction joints shall govern construction.

23. A performance guarantee shall be required (letter of credit) for all public utilities. Also, a two year maintenance bond shall be established upon completion of work.

24. All pavement markings on main access drives, approaches and parking lot shall be painted with two (2) coats of WHITE SHERWIN WILLIAMS "PROMAR TRAFFIC MARKING." Pavement Striping: All proposed pavement striping to be paint.

All Handicap striping shall be yellow.

25. All curb & gutter crossings over trench locations shall be reinforced with 2-#4 rebar extended 2' beyond each side of trench

26. CURB RAMPS All sidewalks shall be installed to accommodate the handicapped. A Type "A" Ramp shall be installed in accordance with I.D.O.T. Standard Detail 424001-001, or the detail shown on the plan. Color of truncated domes shall be contrasting with the adjacent surface. Contractor to coordinate color with owner prior to ordering truncated dome panels.

27. CONCRETE PAVEMENT. The contractor will need to provide a grid spacing layout for approval by the engineer.

The curing requirements should follow Section 1022.01, (b) with fugitive dye as noted in the Illinois Department of Transportation Standard Specifications for Road and Bridge Construction, Latest Edition. Sealers should follow Section 1026 of the Illinois Department of Transportation Standard Specifications for Road and Bridge Construction, Latest Edition.

Joint sealing shall follow Section 1058 of the Illinois Department of Transportation Standard Specifications for Road and Bridge Construction, Latest Edition.

The concrete curb shall be tied to the concrete pavement. Use No. 6, 30" long bar at 48" O.C. Alternatively the curb can be poured monolithically with the concrete pavement.

28. SIDEWALKS. Unless otherwise shown on the plans, the proposed sidewalks in front of the site shall be constructed when the site work is substantially complete.

ALL PUBLIC AND PRIVATE SIDEWALKS SHALL BE CONSTRUCTED WITH A MAXIMUM RUNNING SLOPE OF NO GREATER THAN 1:20 (FT/FT) - 5% GRADIENT

All materials shall meet the requirements of the "Standard Specifications for Road and Bridge Construction" of the Illinois Department of Transportation. Concrete shall be at least a six (6) bag mix, 4% to 6% air entrained, and shall have a slump of no less than two (2") inches nor more than four (4") inches. Fiberglass reinforced additives shall be used on all sidewalks extending through driveways. Sidewalks shall be placed on a minimum of four (4") inches of CA-6 crushed stone or Grade 9 compactable crushed stone. Driveway crossings for sidewalks shall be 8" P.C.C. with (4") inches of CA-6 crushed stone or Grade 9 compactable crushed stone.

Pre-molded bituminous expansion joints one-half (1/2") inch thick shall be placed every 50 feet minimum and one-half (1/2") inch thick between the sidewalk and all structures, which extend through the sidewalk. Control joints shall be on five (5') foot centers.

The side edges of the sidewalk shall have rounded edges and the surface shall be "broom" finished.

Protection and Curing: All exposed surfaces of concrete shall be protected against rain. The concrete shall be cured for a minimum period of three days after placing by one of the following methods:

Wet burlap

Impervious paper

Membrane curing compound

When the temperature of the air is expected to drop below 40 degrees F, within 24 hours placing the concrete shall be protected with nine inches of loose, dry straw and a layer of burlap other acceptable material, for a period of at least five days.

29. The concrete sealer, in addition to conforming with the referenced Standard Specification section, shall be selected from the current IDOT approved product list for Plural Component Concrete Sealers, or equal. The concrete sealer must dry to a clear finish. All exterior concrete surfaces as well as the segmental block retaining wall shall be sealed. The contractor shall provide documentation from the sealant provider, segmental block wall supplier and concrete pavement supplier noting the sealer is compatible with all exterior concrete surfaces that it is to be applied to. Contractor to also provide cut sheets of the desired sealer to the engineer for approval prior to ordering.

30. All surplus soil that will need to be hauled and disposed of offsite will need to be certified that it is not contaminated as defined under 415 ILCS 5/3.160 and any fees, taxes, surcharges charged by or through the operator(s) of clean construction or demolition debris (CCDD) or uncontaminated soil fill operations for the acceptance of uncontaminated soil shall be paid for by the contractor and those fees included in their bid price.

31. It is the intent to recycle the bituminous grindings and existing parking lot aggregate base for re-use as structural fill and/or aggregate base course. Contractor to coordinate with on-site geo-technical engineer to verify usability of re-use material as aggregate base course.

SYMBOL LEGEND

	EXISTING	PROPOSED
SANITARY MANHOLE	⊙	⊙
STORM MANHOLE	⊙	⊙
STORM CATCH BASIN/INLET	○	●
INLET	□	■
FLARED END SECTION	▷	►
DRY WELL	⊙	⊙
VALVE VAULT	⊙	⊙
FIRE HYDRANT	▽	▽
LIGHT POLE	✱	✱
STREET SIGN	+	+
REGULATORY SIGN	+	+
UTILITY POLE	+	+
UTILITY BOX	⊕	⊕
MAILBOX	⊕	⊕
WELL	⊙	⊙
STORM SEWER	—>	—>
SANITARY SEWER	—>	—>
CULVERT	-----	=====
WATER MAIN	—W—	—W—
WATER MAIN ENCASEMENT	—W—	—W—
SANITARY FORCE MAIN	—F—	—F—
STORM UNDERDRAIN	—U—	—U—
ELECTRIC LINE	—E—	—UE—
TELEPHONE LINE	—T—	—UT—
GAS LINE	—G—	—G—
CABLE TV LINE	—C—	—CTV—
TREE LINE	⊙	⊙
TREE	⊙	⊙
CONTOURS	⊙	⊙
FENCE	—x—	—x—
STONE RIP RAP	—x—	—x—
EROSION CONTROL FENCE (QUANTITY SPECIFIED PER PLANS)	—x—	—x—
DRAINAGE DIRECTION ARROW	—>	—>
10-100 YEAR OVERFLOW DIRECTION ARROW	—>	—>

THE SPECIFICATIONS ON THIS SHEET ARE IN CONJUNCTION WITH THE SPECIFICATIONS OUTLINED IN THE PROJECT MANUAL. THE INTENT IS FOR THE SPECIFICATIONS TO WORK TOGETHER AND IF AN DISCREPANCIES ARISE BETWEEN SPECIFICATION THE CONTRACTOR SHALL BRING IT TO THE ATTENTION OF THE ENGINEER. FINAL DETERMINATION AS TO WHICH SPECIFICATION WILL PREVAIL WILL BE DETERMINED BY THE ENGINEER.

FOR PERMIT/BID

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McHENRY COUNTY COLLEGE
PARKING LOT C IMPROVEMENTS
CRYSTAL LAKE, ILLINOIS

CIVIL SITEWORK

GENERAL NOTES, SPECIFICATIONS & LEGEND

SHEET NO.

C-01

PROJECT NOTES:

- NO LAND DISTURBING ACTIVITIES SHALL NOT COMMENCE UNTIL APPROVAL TO DO SO HAS BEEN RECEIVED BY GOVERNING AUTHORITIES. IN ADDITION TO, NO LAND CLEARING OR GRADING SHALL BEGIN UNTIL ALL PERIMETER EROSION AND SEDIMENT CONTROL MEASURES HAVE BEEN INSTALLED. (INCLUDING STORM WATER POLLUTION PREVENTION PLAN PER THE DEVELOPMENT CRITERIA.) SEE SHEETS C-04 THRU C-06 FOR EROSION CONTROL MEASURES)
- ALL EXISTING UTILITIES TO BE FIELD VERIFIED PRIOR TO CONSTRUCTION.
- CONTRACTOR SHALL COORDINATE AND COMPLY WITH ALL UTILITY COMPANIES INVOLVED IN PROJECT AND PAY ALL REQUIRED FEES AND COSTS.
- ALL STRUCTURES & DEBRIS SHALL BE REMOVED PRIOR TO CONSTRUCTION & DISPOSED OF OFFSITE.
- ANY EXISTING FIELD DRAIN TILES ENCOUNTERED SHALL BE RECONNECTED OR CONNECTED TO THE NEAREST STORM SEWER.
- ALL TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
- CONTRACTOR TO KEEP ACCESS DRIVE OPEN AT ALL TIMES WITH MINOR CLOSINGS ALLOWED FOR PAVING ACTIVITIES.
- THE CONTRACTOR IS CAUTIONED NEITHER TO OBSTRUCT NOR REMOVE ANY EXISTING PAVEMENT, NOR TO DISTURB THE EXISTING TRAFFIC PATTERNS MORE THAN IS NECESSARY FOR THE PROPER EXECUTION OF THE WORK.
- ALL ASPHALT TO BE MILLED AND STOCKPILED AT LOCATION TO BE DETERMINED BY CONTRACTOR AND COLLEGE.
- ALL AGGREGATE TO BE SCRAPED AND STOCKPILED AT LOCATION TO BE DETERMINED BY CONTRACTOR AND COLLEGE.
- ALL TREE, BRUSH AND LANDSCAPE REMOVALS ARE SPECIFIED IN THE LANDSCAPE SHEETS.
- ALL UNDERGROUND ELECTRIC DEMOLITION AND INSTALLATION IS SPECIFIED IN THE ELECTRIC SHEETS.

STAGING NOTE:

(STAGING SUBJECT TO CHANGES PER SITE CONTRACTORS SCHEDULE AND METHODS OF OPERATION)

- EROSION CONTROL MEASURES AND STOCKPILE STAGING
- CONSTRUCTION ENTRANCES
- PLAN REMOVALS
- PROPOSED UNDERGROUND
- GRADING
- PAVING
- TOPSOIL RESPREAD/SEED

NOTES:

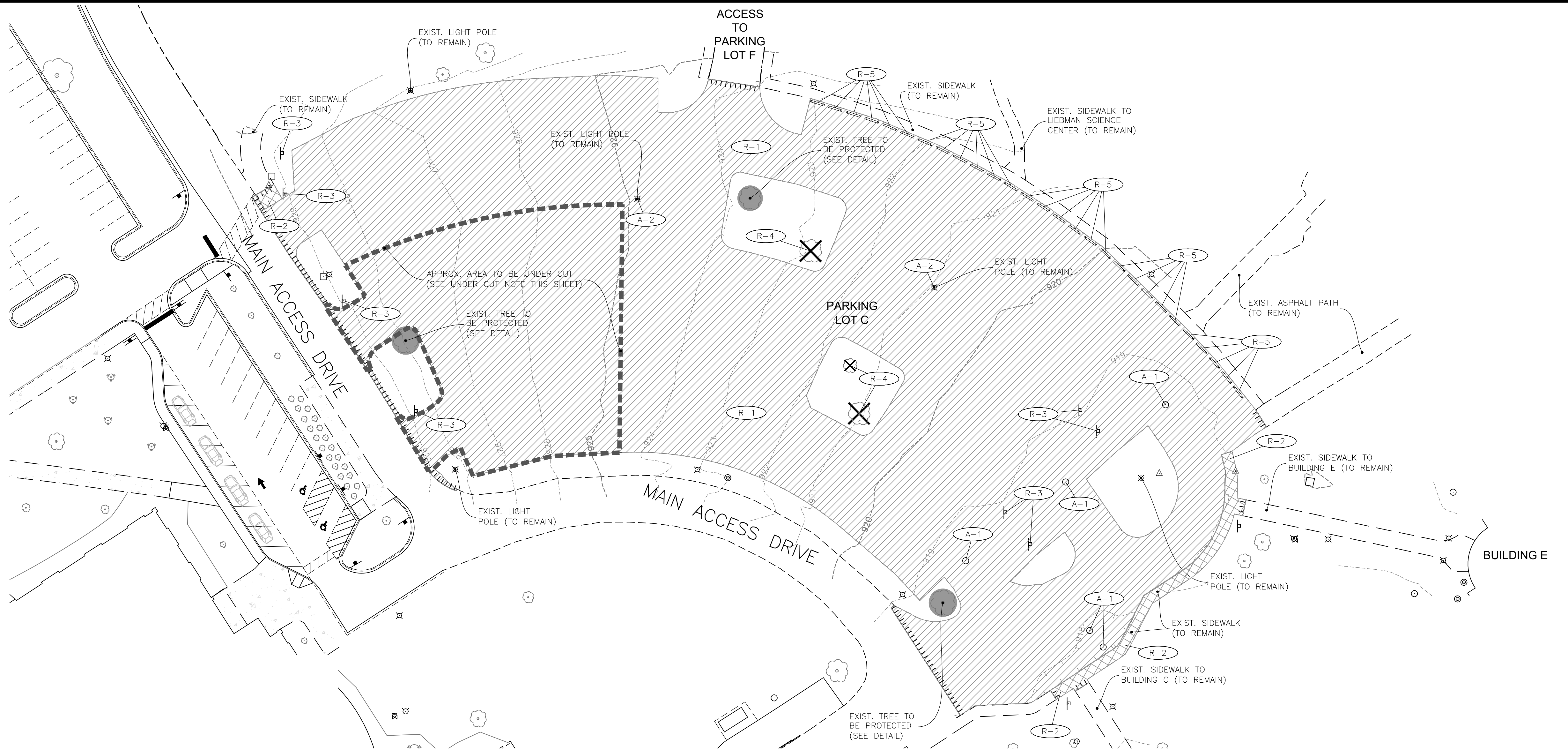
- MCHENRY COUNTY COLLEGE (MCC) SHALL BE NOTIFIED OF ALL NON-IDENTIFIED UNDERGROUND UTILITIES OR CONDUITS DISCOVERED DURING CONSTRUCTION. IF ANY OF THE UTILITY OR CONDUITS NEED TO BE REPAIRED, PLUGGED, REROUTED AND OR ABANDONED IN PLACE, IT SHALL TAKE PLACE PER THE DIRECTION OF THE MCC.
- ALL AREAS SHALL BE RESTORED WITH 4" TOPSOIL AND HYDRO SEEDING, SEE LANDSCAPE PLANS FOR DETAILS
- TEMPORARY STOCKPILE AREA LOCATION AND SIZE SHALL BE COORDINATED BY SITE CONTRACTOR AND MCHENRY COUNTY COLLEGE (SEE SHEET C-06 FOR DETAIL)

LEGEND

- INDICATES HMA PAVEMENT REMOVAL (FULL DEPTH)
- INDICATES CONCRETE REMOVAL (FULL DEPTH)
- INDICATES EROSION CONTROL MEASURES (LIMITS OF GRADING)
- INDICATES MISC. REMOVAL ITEMS
- DENOTES TREE REMOVAL
- DENOTES TREE PROTECTION

UNDERCUT NOTE:

CONTRACTOR TO REMOVE AGGREGATE AND STOCKPILE AND EXCAVATE SUBGRADE TO MAINTAIN PAVEMENT SECTION. ONCE SUBGRADE IS SET CONTRACTOR TO PLACE STOCKPILED AGGREGATE FIRST AS THE BOTTOM LAYER AND SUPPLEMENT NEW CA-6 AGGREGATE TO ACHIEVE THE TOTAL AGGREGATE SECTION.



REMOVALS / RELOCATES / ADJUSTMENTS

NUMBER		QUANTITY	UNITS	REMARKS
A-1	STORM SEWER STRUCTURE	5	EACH	ADJUST TO FINISHED GRADE
A-2	LIGHTPOLE AND FOUNDATION	2	EACH	ADJUST TO FINISHED GRADE
R-1	BIT / ASPHALT	8595	SQ. YD.	REMOVE FULL DEPTH
R-2	CONCRETE SIDEWALK	110	SQ. YD.	REMOVE & REPLACE
R-3	SIGNS	12	EACH	REMOVE / RELOCATE
R-4	TREES	3	EACH	REMOVE (REFER TO LANDSCAPE PLANS)
R-5	CONCRETE PARKING BUMPERS	28	EACH	REMOVE AND REUSE (SEE SITE PLAN)

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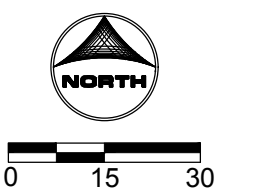
WITH THE FOLLOWING:

COUNTY McHenry

CITY-TOWNSHIP Crystal Lake - Dorr

SEC. & 1/4 SEC. NO.# SW 1/4 OF SEC-25-T-44N-7E

48 hours before you dig
(Excluding Sat., Sun. & Holidays)



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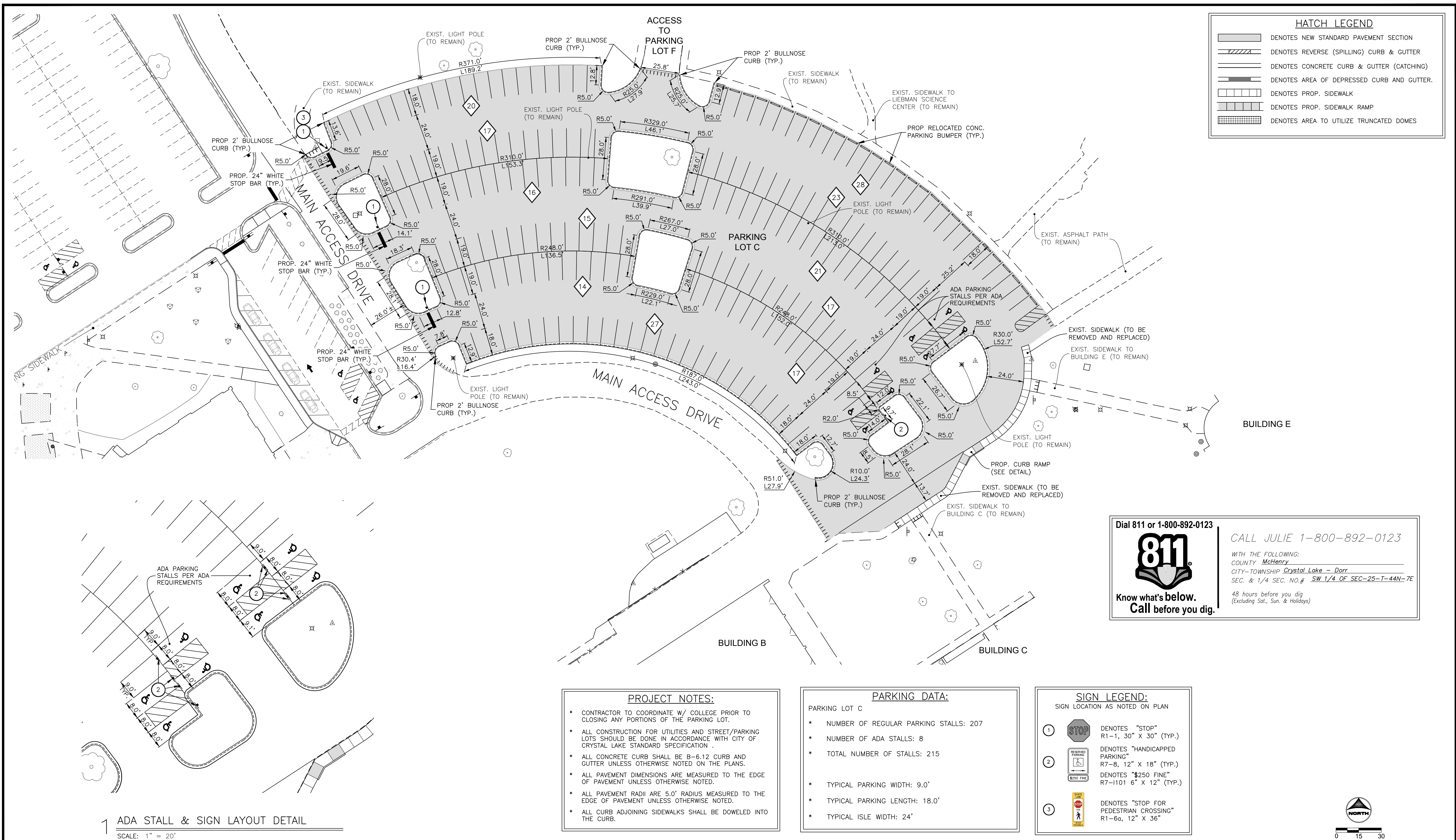
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McHenry
County College

MCHENRY COUNTY COLLEGE
PARKING LOT C IMPROVEMENTS
CRYSTAL LAKE, ILLINOIS

CIVIL SITEWORK
DEMOLITION PLAN

SHEET NO.
C-02



FOR PERMIT/BID

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McHenry County College

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PARKING LOT C IMPROVEMENTS
CRYSTAL LAKE, ILLINOIS**

CIVIL SITEWORK
SITE PLAN

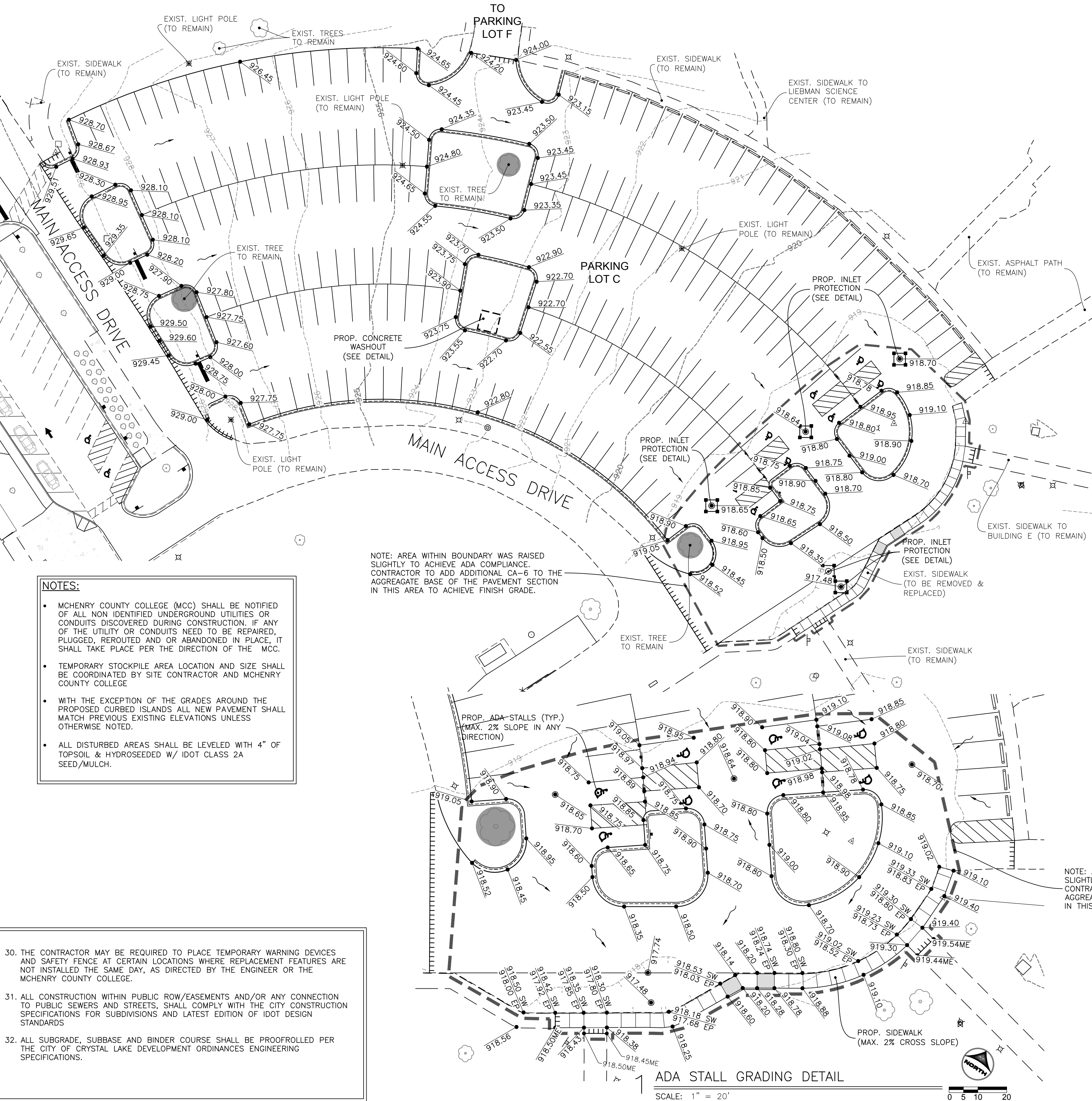
SHEET NO.
C-03

GRADING NOTES:

1. SITE GRADING SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE RECOMMENDATIONS SET FORTH IN THE GEOTECHNICAL REPORT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING AND REPLACING WITH SUITABLE MATERIAL AS SPECIFIED IN THE GEOTECHNICAL REPORT. ALL EXCAVATED OR FILLED AREAS SHALL BE COMPACTED AS OUTLINED IN THE GEOTECHNICAL REPORT. MOISTURE CONTENT AT TIME OF PLACEMENT SHALL BE SUBMITTED IN COMPACTION REPORT PREPARED BY A QUALIFIED GEOTECHNICAL ENGINEER, REGISTERED WITH THE STATE WHERE THE WORK IS PERFORMED, VERIFYING THAT ALL FILLED AREAS AND SUBGRADE AREAS WITHIN THE BUILDING PAD AREA AND AREAS TO BE PAVED HAVE BEEN COMPACTED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE RECOMMENDATIONS SET FORTH IN THE GEOTECHNICAL REPORT.
2. ALL FILL, COMPACTION, AND BACKFILL MATERIALS REQUIRED FOR UTILITY INSTALLATION SHALL BE AS PER THE RECOMMENDATIONS PROVIDED IN THE GEOTECHNICAL REPORT AND SHALL BE COORDINATED WITH THE APPLICABLE UTILITY COMPANY SPECIFICATIONS.
3. THE CONTRACTOR SHALL COMPLY TO THE FULLEST EXTENT WITH THE LATEST OSHA STANDARDS AND REGULATIONS, OR ANY OTHER AGENCY HAVING JURISDICTION FOR EXCAVATION AND TRENCHING PROCEDURES. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE "MEANS AND METHODS" REQUIRED TO MEET THE INTENT AND PERFORMANCE CRITERIA OF OSHA, AS WELL AS ANY OTHER ENTITY THAT HAS JURISDICTION FOR EXCAVATION AND/OR TRENCHING PROCEDURES.
4. PAVEMENT SHALL BE SAW CUT IN STRAIGHT LINES TO THE FULL DEPTH OF THE EXISTING PAVEMENT. ALL DEBRIS FROM REMOVAL OPERATIONS SHALL BE REMOVED FROM THE SITE AT THE TIME OF EXCAVATION. STOCKPILING OF DEBRIS WILL NOT BE PERMITTED.
5. THE TOPS OF EXISTING MANHOLES, INLET STRUCTURES, AND SANITARY CLEANOUT TOPS SHALL BE ADJUSTED, IF REQUIRED, TO MATCH PROPOSED GRADES IN ACCORDANCE WITH ALL APPLICABLE STANDARDS.
6. THE CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF EXISTING TOPOGRAPHIC INFORMATION AND UTILITY INVERT ELEVATIONS PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION. CONTRACTOR TO ENSURE 0.75% MINIMUM SLOPE ALONG ALL ISLANDS, GUTTERS, AND CURBS; 1.0% ON ALL CONCRETE SURFACES; AND 1.5% MINIMUM ON ASPHALT, TO PREVENT PONDING. ANY DISCREPANCIES THAT MAY AFFECT THE PUBLIC SAFETY OR PROJECT COST MUST BE IDENTIFIED TO THE ENGINEER IN WRITING IMMEDIATELY. PROCEEDING WITH CONSTRUCTION WITHOUT NOTIFICATION IS DONE SO AT THE CONTRACTOR'S OWN RISK.
7. PROPOSED TOP OF CURB ELEVATIONS ARE GENERALLY 6" ABOVE EXISTING LOCAL ASPHALT GRADE UNLESS OTHERWISE NOTED. FIELD ADJUST TO CREATE A MINIMUM OF 0.75% LONGITUDINAL GUTTER GRADE ALONG CURB FACE. ENGINEER TO APPROVE FINAL CURBING CUT SHEETS PRIOR TO INSTALLATION.
8. IN CASE OF DISCREPANCIES BETWEEN PLANS OR RELATIVE TO OTHER PLANS, THE SITE PLAN WILL TAKE PRECEDENCE. IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY CONFLICTS.
9. SITE GRADING SHALL NOT PROCEED UNTIL EROSION CONTROL MEASURES HAVE BEEN INSTALLED.
10. SEE EROSION CONTROL PLAN FOR EROSION CONTROL MEASURES AND NOTES.
11. ALL EXISTING STRUCTURES, UNLESS OTHERWISE NOTED TO REMAIN, FENCING, TREES, & ETC., WITHIN CONSTRUCTION AREA SHALL BE REMOVED & DISPOSED OF OFF SITE. NO ON SITE BURNING WILL BE ALLOWED.
12. GENERAL CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES HAVING UNDERGROUND UTILITIES ON SITE OR IN RIGHT-OF-WAY PRIOR TO EXCAVATION. CONTRACTOR SHALL CONTACT UTILITY LOCATING COMPANY AND LOCATE ALL UTILITIES PRIOR TO GRADING START.
13. NO PART OF THE PROPOSED PROJECT IS LOCATED WITHIN A FLOOD HAZARD AREA.
14. SPOT ELEVATIONS SHOWN ARE @ EDGE OF PAVEMENT UNLESS OTHERWISE NOTED ON PLAN.
15. SEE PLANS FOR EXACT LOCATION OF CONCRETE CURB & GUTTER SHALL BE TYPE B-6.12 CURB UNLESS OTHERWISE NOTED ON THE PLANS.
16. MATCH EXISTING GRADES AT PROPERTY LINES AND/OR CONSTRUCTION LIMITS.
17. BACKFILL TO THE TOP OF CURBS.
18. SITE SHALL BE GRADED TO PROVIDE POSITIVE DRAINAGE AWAY FROM BUILDINGS.
19. ALL SIDEWALK CROSS SLOPES SHALL BE A MAXIMUM OF 2%. CROSS SLOPE
20. DESIGNATED HANDICAP PARKING AREAS SHALL BE GRADED TO A MAXIMUM OF 2%
21. SLOPES IN PAVEMENT SHALL BE UNIFORM TO AVOID PONDING OF PAVEMENT.
22. THE CONTRACTOR SHALL CONFINE HIS GRADING OPERATIONS TO WITHIN CONSTRUCTION LIMITS AND EASEMENTS SHOWN ON THE PLANS. ANY DAMAGE TO PROPERTIES OUTSIDE THE SITE BOUNDARY SHALL BE AT THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
23. THE CONTRACTOR SHALL APPLY NECESSARY MOISTURE CONTROL TO THE CONSTRUCTION AREA AND HAUL ROADS TO PREVENT THE SPREAD OF DUST.
24. ALL FIELD TILES ENCOUNTERED SHALL BE REPLACED AND/OR CONNECTED TO THE STORM SEWER SYSTEM AND LOCATED AND IDENTIFIED ON THE RECORD PLANS BY THE CONTRACTOR.
25. ELEVATIONS AND CONTOURS ARE TO STATE PLANE COORDINATES PER NAVD DATUM.
26. ACCESSIBLE PARKING, RAMPS, AND SIGNAGE SHALL COMPLY WITH ADA ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES.
27. 1 WEEK PRIOR TO CONSTRUCTION WITHIN CITY ROW OR ANY CONNECTION TO PUBLIC SEWERS, CONTRACTOR SHALL NOTIFY THE APPROPRIATE CITY ENGINEERING DIVISIONS.
28. THE CONTRACTOR SHALL NOT DISTURB DESIRABLE GRASS AREAS AND DESIRABLE TREES OUTSIDE THE CONSTRUCTION UNITS. THE CONTRACTOR SHALL NOT BE PERMITTED TO PARK OR SERVICE VEHICLES AND EQUIPMENT OR USE THESE AREAS FOR STORAGE OR MATERIALS. STORAGE, PARKING AND SERVICE AREAS WILL BE SUBJECT TO THE APPROVAL OF THE OWNER.
29. THE CONTRACTOR IS RESPONSIBLE FOR REPLACING ANY AREAS OF PAVEMENT OR SIDEWALK NOT TO BE REMOVED THAT IS DAMAGED DUE TO OPERATING EQUIPMENT ON THE PAVEMENT OR SIDEWALK.

NOTES:

- MCHENRY COUNTY COLLEGE (MCC) SHALL BE NOTIFIED OF ALL NOW IDENTIFIED UNDERGROUND UTILITIES OR CONDUITS DISCOVERED DURING CONSTRUCTION. IF ANY OF THE UTILITY OR CONDUITS NEED TO BE REPAIRED, PLUGGED, REROUTED AND OR ABANDONED IN PLACE, IT SHALL TAKE PLACE PER THE DIRECTION OF THE MCC.
- TEMPORARY STOCKPILE AREA LOCATION AND SIZE SHALL BE COORDINATED BY SITE CONTRACTOR AND MCHENRY COUNTY COLLEGE
- WITH THE EXCEPTION OF THE GRADES AROUND THE PROPOSED CURBED ISLANDS ALL NEW PAVEMENT SHALL MATCH PREVIOUS EXISTING ELEVATIONS UNLESS OTHERWISE NOTED.
- ALL DISTURBED AREAS SHALL BE LEVELED WITH 4" OF TOPSOIL & HYDROSEEDING W/ IDOT CLASS 2A SEED/MULCH.



LEGEND

- INDICATES EROSION CONTROL MEASURES (LIMITS OF GRADING)
- INDICATES PROPOSED RIPRAP AREA (SEE DETAILS) (QUANTITY AS INDICATED)
- XXX.XX DENOTES EXISTING AND OR PROPOSED SPOT ELEVATIONS.
- DENOTES AREA OF TRENCH BACK FILL
- DENOTES RIDGE LINES
- DENOTES PROPOSED DRAINAGE DIRECTION ARROW.
- DENOTES OVERLAND OVERFLOW ROUTE
- DENOTES TREE PROTECTION

PROJECT NOTES:

- NO LAND DISTURBING ACTIVITIES SHALL NOT COMMENCE UNTIL APPROVAL TO DO SO HAS BEEN RECEIVED BY GOVERNING AUTHORITIES. IN ADDITION TO, NO LAND CLEARING OR GRADING SHALL BEGIN UNTIL ALL PERIMETER EROSION AND SEDIMENT CONTROL MEASURES HAVE BEEN INSTALLED. (INCLUDING STORM WATER POLLUTION PREVENTION PLAN PER THE DEVELOPMENT CRITERIA.) SEE SHEET C-04 THRU C-06 FOR EROSION CONTROL MEASURES)
- ALL EXISTING UTILITIES TO BE FIELD VERIFIED PRIOR TO CONSTRUCTION.
- CONTRACTOR SHALL COORDINATE AND COMPLY WITH ALL UTILITY COMPANIES INVOLVED IN PROJECT AND PAY ALL REQUIRED FEES AND COSTS.
- ALL STRUCTURES & DEBRIS SHALL BE REMOVED PRIOR TO CONSTRUCTION & DISPOSED OF OFFSITE.
- ANY EXISTING FIELD DRAIN TILES ENCOUNTERED SHALL BE RECONNECTED OR CONNECTED TO THE NEAREST STORM SEWER.
- ALL TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
- CONTRACTOR TO KEEP ACCESS DRIVE OPEN AT ALL TIMES WITH MINOR CLOSINGS ALLOWED FOR PAVING ACTIVITIES.
- THE CONTRACTOR IS CAUTIONED NEITHER TO OBSTRUCT NOR REMOVE ANY EXISTING PAVEMENT, NOR TO DISTURB THE EXISTING TRAFFIC PATTERNS MORE THAN IS NECESSARY FOR THE PROPER EXECUTION OF THE WORK.

STAGING NOTE:

(STAGING SUBJECT TO CHANGES PER SITE CONTRACTORS SCHEDULE AND METHODS OF OPERATION)

1. EROSION CONTROL MEASURES AND STOCKPILE
2. STAGING
3. PLAN REMOVALS
4. GRADING
5. PAVING
6. TOPSOIL RESPREAD/SEED



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GRADING & EROSION CONTROL PLAN

SHEET NO.

C-04