NORTHWEST CENTRAL DISPATCH SYSTEM DRIVEWAY AND GATE REPLACEMENT

FINAL ENGINEERING PLANS

1975 E. DAVIS STREET

ARLINGTON HEIGHTS, COOK COUNTY, ILLINOIS

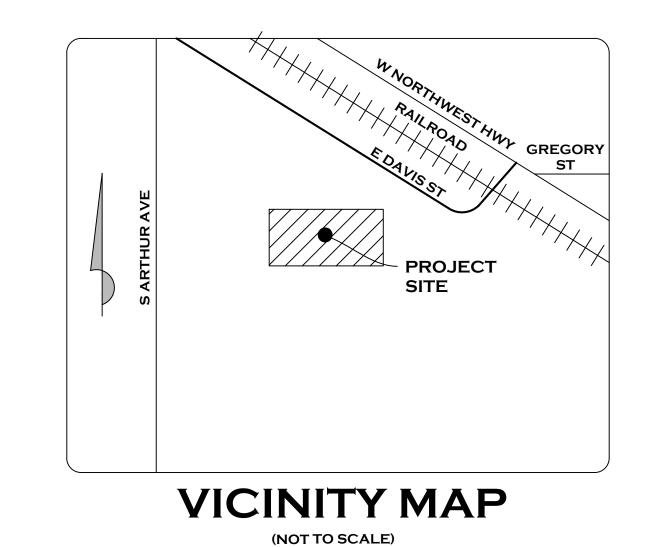
MASTER NOTES

- ALL ITEMS OF THIS PROJECT SHALL BE GOVERNED BY SPECIFICATIONS INCLUDED IN THE DOCUMENTS LISTED BELOW
- "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*) AND HEREINAFTER REFERRED TO AS THE "STANDARD SPECIFICATIONS"

- "ARLINGTON HEIGHTS, ILLINOIS VILLAGE CODE", (LATEST EDITION*
- *LATEST REVISION IN EFFECT AT THE DATE ON THESE PLANS

2. PRIOR TO BID, THE CONTRACTOR SHALL VERIFY CONFORMANCE BETWEEN PLANS AND THE ABOVE REFERENCED CODES. THE

- IN THE EVENT OF A CONFLICT BETWEEN THESE VARIOUS STANDARDS, MUNICIPAL STANDARDS SHALL APPLY
- 4. ALL TRAFFIC CONTROL AND OTHER ADVISORY SIGNS NEEDED FOR CONSTRUCTION ARE TO BE FURNISHED BY THE CONTRACTOR IN ACCORDANCE WITH SECTION 107 OF THE STANDARD SPECIFICATIONS
- 5. ALL WORK PERFORMED SHALL COMPLY WITH ALL APPLICABLE RULES AND REGULATIONS OF OSHA
- 6. THE CONTRACTOR IS RESPONSIBLE FOR NOTIFYING JULIE 1-800-892-0123 AT LEAST 48 HOURS IN ADVANCE OF CONSTRUCTION
- 8. THE CONTRACTOR SHALL PROTECT AND PRESERVE ALL SURVEYING MONUMENTS UNTIL THE OWNER, THEIR AGENT OR A
- 9. THE CONTRACTOR SHALL BE AWARE OF POTENTIAL CONFLICTS WITH EXISTING UTILITIES AS MAY BE INDICATED ON THE PLANS. THESE AREAS SHALL BE EXCAVATED TO DETERMINE ELEVATIONS BEFORE BEGINNING CONSTRUCTION. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY DISCREPANCIES.
- 10. SAWING OF REMOVAL ITEMS AS NOTED IN THE PLANS OR AS REQUIRED BY THE ENGINEER SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT OF THE ITEM BEING REMOVED AND NO EXTRA COMPENSATION WILL BE ALLOWED.
- 11. ALL ROAD SIGNS. STREET SIGNS AND TRAFFIC SIGNS WHICH NEED TO BE RELOCATED OR MOVED DUE TO CONSTRUCTION SHALL BE TAKEN DOWN AND STORED BY THE CONTRACTOR AT HIS OWN EXPENSE EXCEPT THOSE WHICH THE PERMIT AGENCY SHALL REQUIRE TO BE TEMPORARILY RESET UNTIL COMPLETION OF CONSTRUCTION OPERATIONS. AFTER COMPLETION OF THE WORK, THE CONTRACTOR SHALL, AT HIS OWN EXPENSE, RESET ALL SAID SIGNS AT THE LOCATIONS DESIGNATED BY THE PERMIT AGENCY ENGINEER.
- 12. THE CONTRACTOR SHALL PRESERVE ALL CONSTRUCTION STAKES UNTIL THEY ARE NO LONGER NEEDED. ANY STAKES DESTROYED BY THE CONTRACTOR PRIOR TO THEIR USE SHALL BE RESET BY THE OWNER'S ENGINEER AT A COST TO BE BORNE BY THE CONTRACTOR THAT DESTROYED THE STAKES.
- 13. THE CONTRACTOR SHALL INDEMNIFY AND SAVE HARMLESS THE OWNER, THE PERMIT AGENCY AND ITS OFFICERS EMPLOYEES, AND AGENTS, AND THE OWNER'S ENGINEERS, FROM AND AGAINST ALL LOSSES, CLAIMS, DEMANDS, PAYMENTS, SUITS, ACTIONS, RECOVERIES AND JUDGMENT OF EVERY NATURE AND DESCRIPTION BROUGHT OR RECOVERED AGAINST THEM, BY REASON OF ANY ACT OR OMISSION OF SAID CONTRACTOR, HIS AGENTS OR EMPLOYEES, IN THE EXECUTION OF THE WORK OR IN THE GUARDING OF IT.
- 14. BURNING ON THE SITE IS NOT PERMITTED.



BUILDING SETBACK LINE DEPRESSED CURE STORM SEWER SANITARY SEWER WATER MAIN GAS LINE **ELECTRIC LINE** TELEPHONE LINE OVERHEAD WIRES FENCE LINE SILT FENCE **GRADING CONTOUR** MANHOLE STORM CURB FRAME & GRATE STORM CATCH BASIN STORM FLARED SANITARY MANHOLI FIRE HYDRANT GAS VALVE ELECTRIC STRUCTURE TRANSFORMER POWER POLE PEDESTAL TRAFFIC SIGNAL MANHOLE DRAINAGE FLOW ARROW **OVERFLOW ROUTE** AIR CONDITIONER ___ SINGLE POLE SIGN DOUBLE POLE SIGN STREET LIGHT BOLLARD CLEAN OUT DOWN SPOUT EROSION CONTROL BLANKET FINAL STABILIZATION (SEED)

NEW HEAVY DUTY ASPHALT PAVEMENT (SEE DETAIL SHEET) STANDARD DUTY ASPHALT PAVEMENT (SEE DETAIL SHEET)

SYMBOL LEGEND TABLE OF CONTENTS

SHEET NO.	SHEET INAIVIE
1	COVER SHEET
2	EXISTING CONDITIONS
3	DEMOLITION PLAN
4	GEOMETRIC PLAN
5	STANDARD CONSTRUCTION NOTES & DETAILS



COPYRIGHT (C) 2021

PROJECT TEAM

Northwest Central Dispatch System

Wold Architects and ARCHITECT Engineers

1975 East Davis St

Arlington Heights, IL 60005

220 North Smith Street, Suite 310 Palatine, IL 60067

MeritCorp Group, LLC CIVIL ENGINEER 4222 Meridian Parkway - Ste 112

Aurora, IL 60504 Ph.(630) 554.6655

NOTE

- 1. DETAILS AND NOTES WITHIN THESE PLANS, ALONG WITH NOTATIONS TO SUPPLEMENT SAME ARE CRUCIAL TO THE PROPER CONSTRUCTION OF THE DESIGN CONTAINED HEREIN.
- 2. CONTRACTOR SHALL VISIT THE SITE TO FAMILIARIZE HIMSELF WITH ALL CONDITIONS PRIOR TO ENGAGING IN A CONTRACT TO PERFORM WORK AS PROPOSED HEREIN.
- 3. PLANS ARE NOT VALID WITHOUT ORIGINAL SIGNATURE AND SEAL OF THE ENGINEER.

SITE BENCHMARKS

ELEVATIONS SHOWN ARE RELATIVE TO NAVD '88 DATUM AS MEASURED BY TRIMBLE VRS NETWORK.

SITE BENCHMARK #1: CUT CROSS IN TOP BACK OF CURB AT NW CORNER OF PARKING LOT AS SHOWN HEREON.

CUT BOX ON LIGHT POLE BASE AS SHOWN HEREON ELEVATION= 671.57

ELEVATION = 672.95

ABBREVIATIONS

RCP REINFORCED CONCRETE PIF R.O.W RIGHT OF WAY FLARED END SECTION FINISHED FLOOR FLOW LINE FINISHED GRADE RIGHT OF WAY
ROOF DRAIN
SANITARY
STORM MANHOLE
STORM
STATION
SQUARE FEET
SQUARE YARD
TO BE REMOVED BACK TO BACK BUFFALO BOX BENCHMARK BOTTOM OF PIPE BOTTOM OF WALL M BUTTOM OF WALL INV
CATCH BASIN I.P.
V CABLE TELEVISION MAX
COMM. ED. M.E.
CENTER LINE MH
CORRUGATED METAL PIPE MIN
CENTER OF STRIPE
CLEAN OUT
CONCRETE PC IRON PIPE MAXIMUM MATCH EXISTING TOP OF FOUNDATION T/P TOP OF PIPE MANHOLE T/W TOP OF WALL
TRANS TRANSFORMER
VV VALVE VAULT
W.M. WATER MAIN MIN MINIMUM
N.W.L. NORMAL WATER LEVEL PEDESTAL
POINT OF CURVE
POINT OF COMPOUND CURVE
POINT OF INTERSECTION
POINT OF REVERSE CURVE ONC. CONCRETE DIA. DIAMETER
D.I.W.M. DUCTILE IRON WATER MAIN PI DOWN SPOUT

EDGE OF PAVEMENT

EDGE TO EDGE POINT OF TANGENCY
POINT OF VERTICAL CURVE
POINT OF VERTICAL INTERSECTION
POINT OF VERTICAL TANGENCY

ELEVATION EDGE OF STRIPE EDGE OF WALK PP POWER POLE
PVC POLYVINYL CHLORIDE PIPE

PROJECT NO. M20051

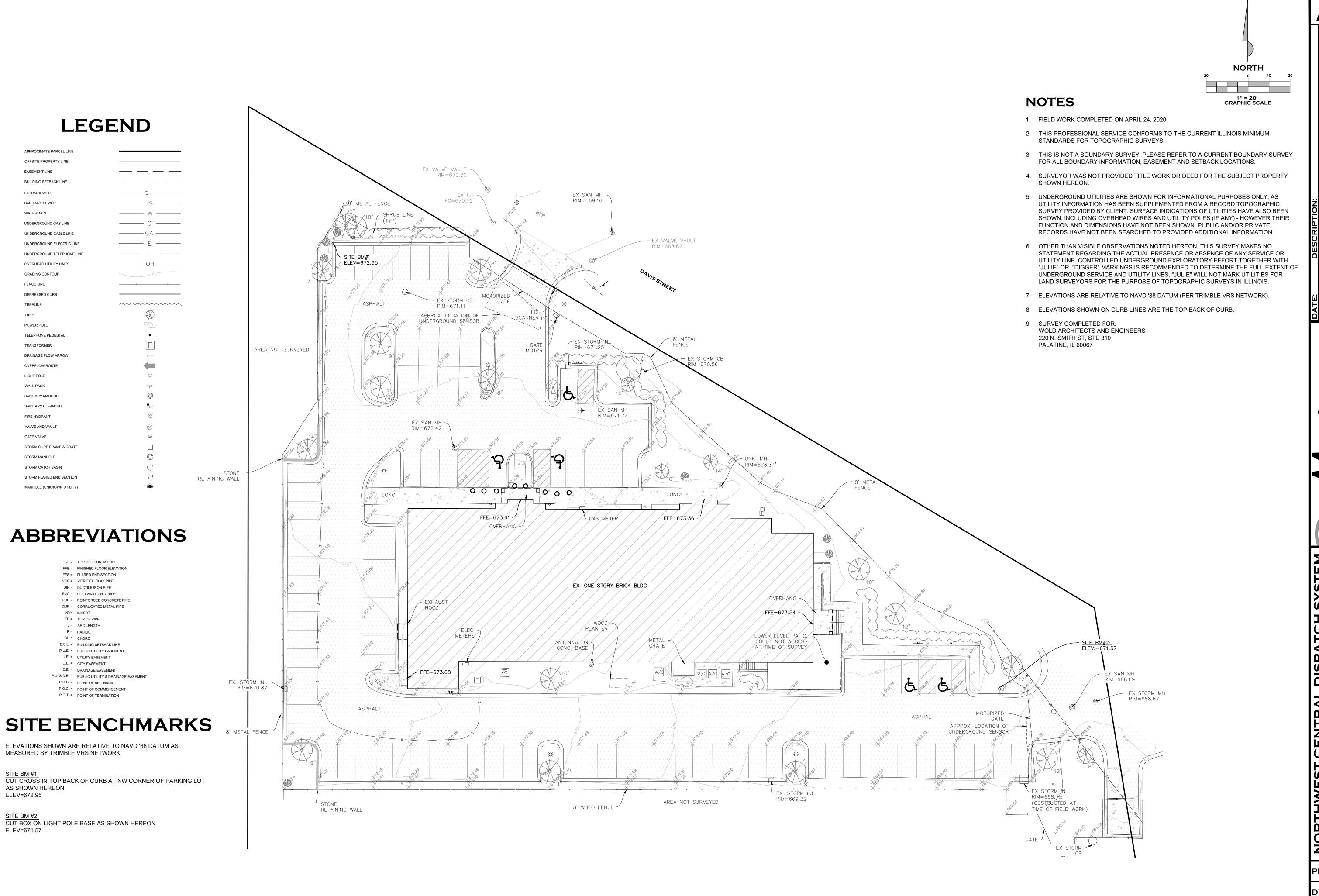
DRAWN BY: **ZDS**

SHEET NO. 1/5

CHECKED BY:

NOT FOR CONSTRUCTION

CLS



DATE: DESCRIPTION:

| OS/17/2021 ISSUED TO CLIENT | OS/23/2021 ISSUED FOR BID | OS/

ENGINEERING
4222 Meridiar
Aurora, IL 603
Office 630.55

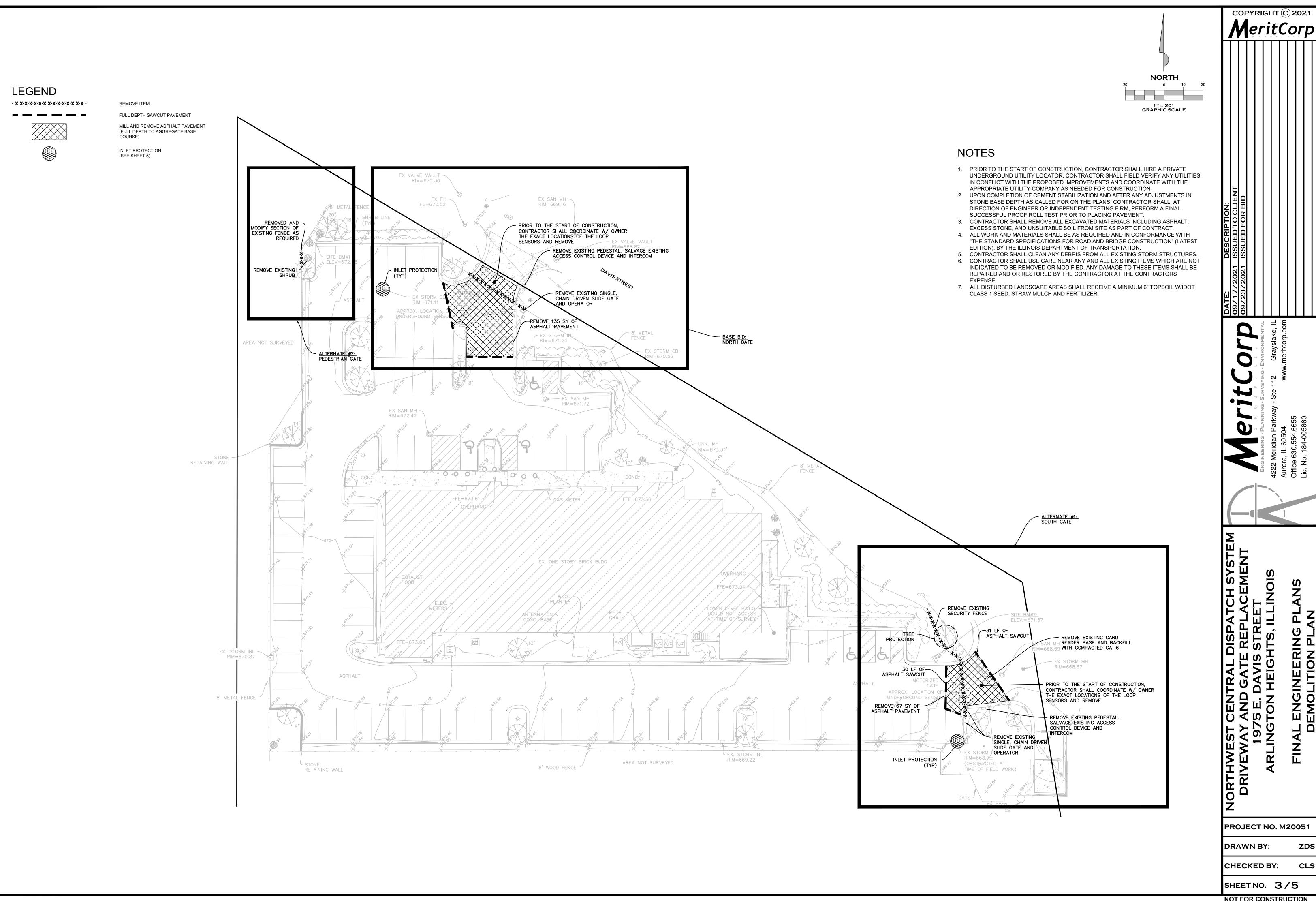
1975 E. DAVIS STREET INGTON HEIGHTS, ILLINOIS IAL ENGINEERING PLANS

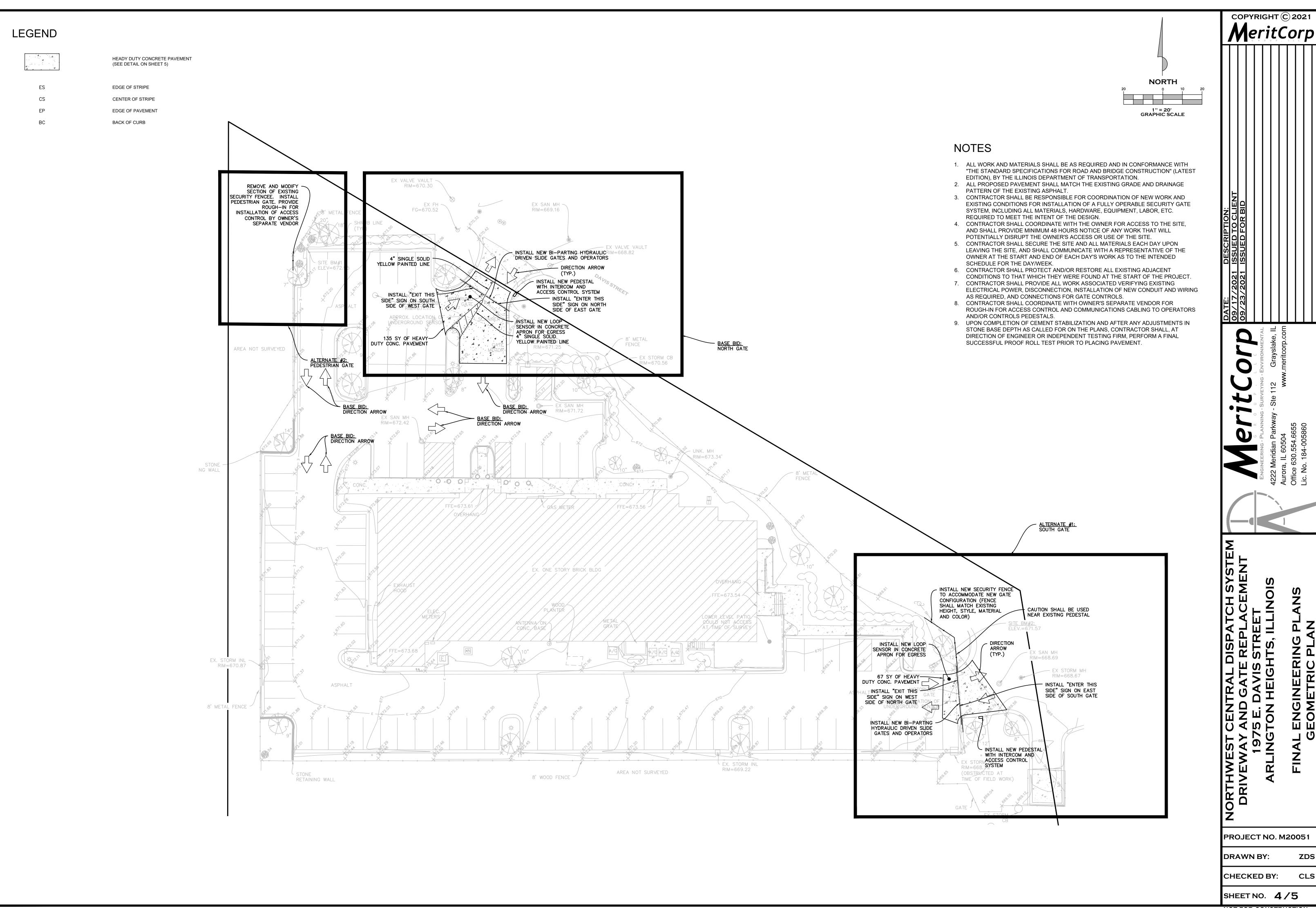
PROJECT NO. M20051

DRAWN BY:

CHECKED BY:

SHEET NO. 2/5





GENERAL SITE IMPROVEMENTS

PRIOR TO CONSTRUCTION.

1. COPIES OF THE REFERENCED STANDARD SPECIFICATIONS, CONSTRUCTION PLANS AND DETAILS ARE ALL TO BE CONSIDERED AS PART OF THE CONTRACT. INCIDENTAL ITEMS OR ACCESSORIES NECESSARY TO COMPLETE THIS WORK MAY NOT BE SPECIFICALLY NOTED BLIT ARE CONSIDERED A PART OF THIS CONTRACT.

2. THE GENERAL PROVISIONS OF THE CONTRACT, INCLUDING GENERAL AND SUPPLEMENTARY CONDITIONS AND GENERAL REQUIREMENTS (IF ANY) APPLY TO THE WORK SPECIFIED IN THE PLANS

3. EASEMENTS FOR EXISTING UTILITIES, BOTH PUBLIC AND PRIVATE, AND UTILITIES WITHIN PUBLIC RIGHTS-OF-WAY ARE SHOWN ON THE PLANS ACCORDING TO INFORMATION AVAILABLE IN THE RECORDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION OF THESE UTILITY LINES IN THE FIELD AND FOR 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 IMMEDIATELY NOTIFY THE DEVELOPER'S REPRESENTATIVE SO THE CONFLICT MAY BE RESOLVED. THE CONTRACTOR SHALL CALL 811 OR J.U.L.I.E. (800-892-0123) PRIOR TO CONSTRUCTION.

4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL PRIVATE AND PUBLIC UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN IN THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT HIS OWN EXPENSE. TO THE SATISFACTION OF THE UTILITY OWNER.

5. RELOCATING UTILITIES SHALL BE THE RESPONSIBILITY OF THE OWNERS EXCEPT WHEN NOTED IN THE PLANS. THE CONTRACTOR SHALL COORDINATE WITH THESE OWNERS WHEN MOVING IS NECESSARY.

6. EXPENSE IN CONNECTING PROPOSED UTILITIES TO EXISTING UTILITIES SHALL BE INCIDENTAL TO THE CONTRACT. 7. THE CONTRACTOR SHALL COORDINATE WITH ALL UTILITY OWNERS. THE CONTRACTOR SHALL NOTIFY ALL UTILITY OWNERS

8. ALL UTILITY WORK WHERE THE INNER EDGE OF THE TRENCH IS WITHIN 2 FEET OF ANY EDGE OF PAVEMENT, CURB, GUTTER, CURB AND GUTTER, STABILIZED SHOULDER OR SIDEWALK SHALL RECEIVE TRENCH BACKFILL. TRENCH BACKFILL SHALL BE INSTALLED PER LOCAL MUNICIPAL REQUIREMENTS OR AT A MINIMUM FOLLOW IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION SECTION 208 FOR TRENCH BACKFILL.

9. ALL FIELD TILE ENCOUNTERED DURING CONSTRUCTION OPERATIONS SHALL BE CONNECTED TO THE PROPOSED STORM SEWER SYSTEM OR EXTENDED TO OUTLET INTO A PROPOSED DRAINAGE SWALE. IF THIS CANNOT BE ACCOMPLISHED, THEN IT SHALL BE REPAIRED WITH NEW PIPE OF SIMILAR SIZE AND MATERIAL TO THE ORIGINAL LINE AND PUT IN ACCEPTABLE OPERATING CONDITION. A RECORD OF THE LOCATION OF ALL FIELD TILE OR DRAIN PIPE ENCOUNTERED SHALL BE KEPT BY THE CONTRACTOR AND SUBMITTED TO THE MUNICIPALITY UPON COMPLETION OF THE PROJECT.

10. WHENEVER ANY LOOSE MATERIAL IS DISPOSED IN THE FLOW LINE OF GUTTERS. DRAINAGE STRUCTURES OR DITCHES SUCH THAT THE NATURAL FLOW LINE OF WATER IS OBSTRUCTED. THE LOOSE MATERIAL SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY, AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL DRAINAGE STRUCTURES AND FLOW LINES SHALL BE

11. REMOVED DRIVEWAY PAVEMENT, SIDEWALK AND CURBS AND CURB AND GUTTER SHALL BE DISPOSED OF OFF-SITE AT LOCATIONS PROVIDED BY THE CONTRACTOR AT HIS OWN EXPENSE

FREE FROM DIRT AND DEBRIS. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

WORK UNTIL ALL REQUIRED INSURANCE IS OBTAINED AND ACCEPTED.

12. BEFORE APPROPRIATE ACCEPTANCE BY THE OWNER AND/OR THE MUNICIPALITIES AND FINAL PAYMENT. ALL WORK SHALL BE INSPECTED AND APPROVED BY THE MUNICIPALITIES AND THE OWNER OR HIS REPRESENTATIVES. FINAL PAYMENT WILL BE MADE AFTER ALL OF THE CONTRACTOR'S WORK HAS BEEN APPROVED AND ACCEPTED. THE CONTRACTOR SHALL GUARANTEE HIS WORK FOR A PERIOD OF ONE YEAR FROM THE DATE OF ACCEPTANCE AND SHALL BE HELD RESPONSIBLE FOR ANY DEFECTS IN MATERIAL OR WORKMANSHIP OF THIS WORK DURING THAT PERIOD.

13. TRAFFIC CONTROL DEVICES IN CONFORMANCE WITH I.D.O.T. STANDARDS SHALL BE INSTALLED AND PROVIDED WHENEVER CONSTRUCTION FOR UTILITIES IS WITHIN A PUBLIC RIGHT OF WAY AREA. ORDINANCES OF THE MUNICIPALITY MAY ALSO GOVERN TRAFFIC CONTROL. THE COST OF PROVIDING, INSTALLING AND MAINTAINING NECESSARY TRAFFIC CONTROL DEVICES SHALL BE INCIDENTAL TO THE CONTRACT.

14. ALL PROPOSED ELEVATIONS SHOWN ON PLANS ARE FINISHED SURFACE ELEVATIONS UNLESS OTHERWISE SPECIFIED.

15. UPON AWARDING OF THE CONTRACT AND WHEN REQUIRED BY THE MUNICIPALITY, THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIAL AND PERFORMANCE BOND IN THE AMOUNT REQUIRED BY THE MUNICIPALITY TO GUARANTEE COMPLETION OF THE WORK. THE UNDERWRITER SHALL BE ACCEPTABLE TO THE MUNICIPALITY. THE CONTRACTOR SHALL NOT COMMENCE

16. ALL PERMITS, BONDS AND EVIDENCE OF INSURANCE AS REQUIRED BY UTILITY COMPANIES AND THE MUNICIPALITY SHALL BE OBTAINED BY THE CONTRACTOR AND THE COST OF THESE PERMITS AND BONDS SHALL BE BORNE BY THE CONTRACTOR AND SHALL BE INCIDENTAL TO THE CONTRACT.

17. THE CONTRACTOR SHALL COLLECT AND REMOVE ALL CONSTRUCTION DEBRIS, EXCESS MATERIALS, TRASH, OIL AND GREASE RESIDUE, MACHINERY, TOOLS AND OTHER MISCELLANEOUS ITEMS WHICH ARE PRESENT UPON COMPLETION OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ACQUIRING ANY AND ALL PERMITS NECESSARY FOR THE HAULING AND DISPOSAL REQUIRED FOR CLEAN-UP AS DIRECTED BY THE MUNICIPALITY OR OWNER. BURNING ON THE SITE IS

18. NO CONSTRUCTION PLAN SHALL BE USED FOR CONSTRUCTION UNLESS SPECIFICALLY MARKED FOR CONSTRUCTION. PRIOR TO COMMENCEMENT OF CONSTRUCTION, THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AFFECTING THE WORK WITH THE ACTUAL CONDITIONS AT THE JOB SITE. IN ADDITION, THE CONTRACTOR MUST VERIFY ALL LINE AND GRADE STAKES PROVIDED BY THE OWNER. IF THERE ARE ANY DISCREPANCIES WITH WHAT IS SHOWN ON THE CONSTRUCTION PLANS, HE MUST IMMEDIATELY REPORT TO THE OWNER BEFORE DOING ANY WORK OR ASSUME FULL RESPONSIBILITY. IN THE EVENT OF DISAGREEMENT BETWEEN THE CONSTRUCTION PLANS. SPECIFICATIONS AND/OR SPECIAL DETAILS. THE CONTRACTOR SHALL SECURE WRITTEN INSTRUCTION FROM THE OWNER PRIOR TO PROCEEDING WITH ANY PART OF THE WORK AFFECTED BY OMISSIONS OR DISCREPANCIES. FAILING TO SECURE SUCH INSTRUCTION, THE CONTRACTOR WILL BE CONSIDERED TO HAVE PROCEEDED AT HIS OWN RISK AND EXPENSE. IN THE EVENT OF ANY DOUBT OR QUESTIONS ARISING WITH RESPECT TO THE TRUE MEANING OF THE CONSTRUCTION PLANS OR SPECIFICATIONS, THE DECISION OF THE OWNER SHALL BE FINAL.

19. NOTIFICATION OF COMMENCING CONSTRUCTION: A. THE CONTRACTOR SHALL NOTIFY THE OWNER AND/OR HIS REPRESENTATIVE AND THE AFFECTED GOVERNMENTAL AGENCIES IN WRITING AT LEAST THREE FULL WORKING DAYS PRIOR TO COMMENCEMENT OF CONSTRUCTION. IN ADDITION, THE CONTRACTOR SHALL NOTIFY, AS NECESSARY, ALL TESTING AGENCIES. B. FAILURE OF CONTRACTOR TO ALLOW PROPER NOTIFICATION TIME WHICH RESULTS IN TESTING COMPANIES TO BE UNABLE TO VISIT SITE AND PERFORM TESTING WILL CAUSE CONTRACTOR TO SUSPEND OPERATION (PERTAINING TO TESTING) UNTIL TESTING AGENCY CAN SCHEDULE TESTING OPERATIONS. THE COST OF SUSPENSION OF WORK SHALL BE BORNE BY THE

20. ALL CONTRACTORS SHALL KEEP ACCESS AVAILABLE AT ALL TIMES FOR EMPLOYEES AND EMERGENCY VEHICLES. AT NO TIME SHALL ACCESS BE DENIED TO EMPLOYEES OF THE SITE.

21. THE CONTRACTOR SHALL PROVIDE ELECTRONIC COPIES AND 2 SETS OF COPIES OF "RECORD" DRAWINGS TO THE MUNICIPALITIES AND OWNER PRIOR TO ANY REQUEST FOR FINAL INSPECTION. SAID PLANS SHALL INDICATE THE FINAL LOCATIONS AND LAYOUT OF ALL IMPROVEMENTS AND SHALL INCLUDE VERIFICATION OF ALL BUILDING PADS, INVERTS, RIMS AND SPOT GRADE ELEVATIONS AND INCORPORATE ALL FIELD DESIGN CHANGES APPROVED BY THE MUNICIPALITY. MYLAR DRAWINGS SHALL BE PROVIDED WHEN THE COPIES ARE APPROVED BY THE MUNICIPALITY.

22. THE CONTRACTOR SHALL VIDEO RECORD THE WORK AREA PRIOR TO CONSTRUCTION FOR THE PURPOSE OF DOCUMENTING EXISTING CONDITIONS.

23. ALL IMPROVEMENTS SHOWN ON THE PLANS ARE THE RESPONSIBILITY OF THE CONTRACTOR.

24. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE A CONCRETE WASHOUT

EARTHWORK

1. ALL SITE WORK, GRADING AND EMBANKMENT CONSTRUCTION WITHIN THE LIMITS OF THIS PROJECT SHALL BE DONE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION IN ILLINOIS" (STANDARD SPECIFICATIONS), THE MOST RECENT EDITION.

2. EARTH EXCAVATION SHALL INCLUDE CLEARING, STRIPPING AND STOCKPILING TOPSOIL, REMOVING UNSUITABLE MATERIALS. THE CONSTRUCTION OF EMBANKMENTS, NON-STRUCTURAL FILLS, FINAL SHAPING AND TRIMMING TO THE LINES, GRADES AND CROSS-SECTIONS SHOWN ON THE PLANS. THIS WORK SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE PROVISIONS OF SECTION 200 OF THE STANDARD SPECIFICATIONS. ALL UNSUITABLE OR EXCESS MATERIAL SHALL BE DISPOSED OF BY THE

3. TOPSOIL EXCAVATED SHALL BE STOCKPILED ON THE SITE OR IN AREAS DESIGNATED BY THE OWNER UNTIL SUCH TIME THAT THIS TOPSOIL CAN BE USED FOR FINAL GRADING.

4. THE CONTRACTOR IS REFERRED TO SOILS INVESTIGATION FOR THE SITE AND ALL ADDENDA THERETO, SHOWING THE RESULTS OF SUBSURFACE INVESTIGATION MADE ON THIS SITE. COPIES OF SAID SOILS REPORTS ARE ON FILE WITH THE OWNER AND ARE AVAILABLE FOR INSPECTION. THE RECOMMENDATIONS OF SOIL INVESTIGATIONS AS STATED IN SAID REPORT ARE HEREBY INCORPORATED INTO THESE CONSTRUCTION NOTES BY REFERENCE AND SHALL BE FOLLOWED BY THE CONTRACTORS. THE GRADING OPERATIONS ARE TO BE CLOSELY SUPERVISED AND INSPECTED, PARTICULARLY DURING THE REMOVAL OF UNSUITABLE MATERIAL AND THE CONSTRUCTION OF EMBANKMENTS, BY THE SOILS ENGINEER OR HIS

5. THE GRADING AND CONSTRUCTION OF THE IMPROVEMENTS SHALL NOT CAUSE PONDING OF STORM WATER. ALL AREAS ADJACENT TO THESE IMPROVEMENTS SHALL BE GRADED TO ALLOW POSITIVE DRAINAGE.

6. ALL TESTING, INSPECTION AND SUPERVISION OF SOILS QUALITY, UNSUITABLE REMOVAL AND ITS REPLACEMENT AND OTHER SOILS RELATED OPERATIONS SHALL BE ENTIRELY THE RESPONSIBILITY OF THE SOILS ENGINEER AND THE OWNER.

7. THE PROPOSED GRADING ELEVATIONS SHOWN ON THE PLANS ARE FINISH GRADE. A MINIMUM OF SIX (6) INCHES OF TOPSOIL IS TO BE PLACED IN OPEN AREAS BEFORE FINISH GRADE ELEVATIONS ARE ACHIEVED.

8. THE CONTRACTOR WILL USE CARE WHEN GRADING NEAR TREES, SHRUBS AND BUSHES WHICH ARE NOT TO BE REMOVED SO AS NOT TO CAUSE INJURY TO ROOTS OR TRUNKS. SHOULD THE EXISTING BECOME DAMAGE OR DIE, CONTRACTOR SHALL REPLACE IN KIND AT THE CONTRACTOR'S OWN EXPENSE AND SHALL BE INCIDENTAL TO THE CONTRACT. SEE LANDSCAPE PLANS FOR TREES THAT ARE NOT TO BE REMOVED.

9. THE CONTRACTOR SHALL USE CARE IN GRADING OR EXCAVATING NEAR ANY AND ALL EXISTING ITEMS WHICH ARE NOT INDICATED TO BE REMOVED. ANY DAMAGE DONE TO THESE EXISTING ITEMS BY CONTRACTOR'S OPERATIONS SHALL BE REPAIRED BY HIM AT HIS OWN EXPENSE.

10. UNSUITABLE MATERIAL ENCOUNTERED IN EXCAVATING FOR PAVEMENT SUBGRADES SHALL BE REMOVED AND REPLACED WITH SUITABLE MATERIAL TO THE LIMITS APPROVED BY THE OWNER. UNSUITABLE MATERIAL THAT IS EXCAVATED, AS DIRECTED BY THE SOILS ENGINEER AND OWNER, SHALL BE DISPOSED OF AT THE CONTRACTOR'S OWN EXPENSE AND SHALL BE INCIDENTAL TO THE CONTRACT.

11. THE EARTHWORK CONTRACTOR SHALL BE RESPONSIBLE FOR BACKFILLING OF ALL CURBS, AS SOON AS THE CONCRETE HAS SET SUFFICIENTLY, TO THE REQUIRED ELEVATION WITH SUITABLE MATERIAL WHICH SHALL BE COMPACTED UNTIL FIRM AND SOLID AND NEATLY GRADED

12. THE PAVEMENT SUBGRADE SHALL BE GRADED WITHIN +/- 0.10' (AVERAGING ZERO) OF PROPOSED SUBGRADE AS SHOWN ON THE PLANS AND SET BY THE ENGINEER IN THE FIELD. ALL FILL DEPOSITED IN THE AREAS SHALL BE CLEAN CLAY COMPACTED TO 95% OF THE MAXIMUM DENSITY SHOWN ON THE DRY WEIGHT CURVES DETERMINED BY THE MODIFIED PROCTOR ANALYSIS.

13. WASTE EXCAVATION SHALL BE DISPOSED OF BY THE CONTRACTOR AT HIS OWN EXPENSE AND AT A LOCATION PROVIDED BY THE CONTRACTOR WHICH LOCATION BE APPROVED BY OWNER.

14. SUITABLE EXCAVATION IS CLASSIFIED AS EXCAVATION CAPABLE OF 3,000 PSF BEARING WHEN COMPACTED TO 95% MODIFIED PROCTOR.

15. SUITABLE EMBANKMENT IS CLASSIFIED AS EMBANKMENT CAPABLE OF 3,000 PSF BEARING WHEN COMPACTED TO 95% MODIFIED PROCTOR, TO BE USED WITHIN PAVEMENT AREAS. SUITABLE EMBANKMENT CONTAINS 15% COMPACTION FACTOR.

16. UNCLASSIFIED EXCAVATION IS CLASSIFIED AS EXCAVATION NOT NECESSARILY CAPABLE OF A 3,000 PSF BEARING WHEN

17. UNCLASSIFIED EMBANKMENT IS CLASSIFIED AS EMBANKMENT NOT REQUIRING 3,000 PSF BEARING WHEN COMPACTED. THIS FILL IS TO BE USED IN AREAS OUTSIDE ROADWAY LIMITS AND PAD AREAS.

18. UNCLASSIFIED EMBANKMENT SHALL BE COMPACTED TO NATURAL COMPACTION. SUITABLE EMBANKMENT SHALL BE COMPACTED TO 95% MODIFIED PROCTOR.

19. EARTHWORK QUANTITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO BIDDING. ANY DISCREPANCIES IN QUANTITIES

20. ALL UNDERCUTTING SHALL BE DONE AT THE DIRECTION OF THE OWNER OR HIS REPRESENTATIVE. THE UNDERCUT SHALL BE CROSS-SECTIONED BY THE OWNER'S REPRESENTATIVE AFTER THE UNDERCUTTING HAS BEEN DONE TO DETERMINE

21. ALL UTILITY SPOIL PILES SHALL BE CLEANED UP BY THE UTILITY CONTRACTOR. MATERIAL SHALL NOT BE REMOVED FROM THE SITE WITHOUT THE APPROVAL OF THE OWNER AND LOCATION OF DISPOSAL ON THE SITE SHALL BE APPROVED BY OWNER.

22. EXCAVATION BELOW TOPSOIL FOR PAVEMENT SHALL BE TO 2' BEHIND CURB OR PAVEMENT EDGE IN CUT AREA. EXCAVATION BELOW TOPSOIL FOR PADS SHALL BE 5' BEYOND BUILDING LIMITS.

23. TOPSOIL PRESENT IN CUT AREAS SHALL BE STOCKPILED OR USED AS UNCLASSIFIED EMBANKMENT ON SITE OR DISPOSED OF AT THE DIRECTION OF THE OWNER. STOCKPILE LOCATIONS SHALL BE APPROVED BY OWNER OR AS SHOWN ON THE PLANS.

24. IF REQUIRED, BORROW EXCAVATION SHALL BE OBTAINED OFF-SITE. ON-SITE BORROW AREAS SHALL BE DETERMINED BY THE OWNER, PRIOR TO BORROW EXCAVATION, THE CONTRACTOR SHALL HAVE THE AREA CROSS-SECTIONED BY AN AUTHORIZED AGENT OF THE OWNER AND SHALL HAVE THE AREA CROSS-SECTIONED BY THE SAME AFTER THE BORROW AREA HAS BEEN EXCAVATED. IF BORROW MATERIAL IS REQUIRED, THE COST OF OBTAINING, TRANSPORTING, AND PLACEMENT OF THE BORROW MATERIAL ALONG WITH ANY FILLING OF BORROW PITS, IF REQUIRED, SHALL BE AGREED UPON BETWEEN OWNER AND CONTRACTOR PRIOR TO COMMENCEMENT OF BORROW WORK.

25. BERMING FOR LANDSCAPING SHALL BE ROUGH GRADED TO WITHIN 8" OF FINISHED GRADES AS SHOWN ON LANDSCAPE

GENERAL PAVING AND SURFACING

1. ALL PAVING OPERATIONS SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION IN ILLINOIS" (STANDARD SPECIFICATIONS), LATEST EDITION AND WITH THE REQUIREMENTS OF

2. FINE GRADING: A. PRIOR TO THE CONSTRUCTION OF THE CURB AND GUTTER AND THE PLACEMENT OF THE BASE MATERIAL, THE STREETS SHALL BE FINE GRADED TO WITHIN 0.1 FOOT OF FINAL SUBGRADE ELEVATION, TO A LIMIT OF TWO (2) FEET BEYOND THE BACK OF CURB.

3. THE CONTRACTOR SHALL PROOF ROLL THE SUBGRADE AND BASE BEFORE PAVEMENT CONSTRUCTION PROCEEDS. THE SUBGRADE AND BASE WILL NOT BE APPROVED AND ACCEPTED BY THE MUNICIPALITY OR APPROVED FOR PAYMENT WITHOUT PROOF ROLLING. PROOF ROLLING SHALL BE DONE WITH A RUBBER TIRED VEHICLE HAVING A GROSS WEIGHT OF NOT LESS THAN 30,000 POUNDS (15 TONS). IF THE SUBGRADE OR BASE HAS FAILURES OR PUMPING AS INDICATED BY PROOF ROLLING. THE SUBGRADE OR BASE SHALL EITHER REMOVED AND REPLACED WITH GRANULAR MATERIAL TO A DEPTH AS DIRECTED BY THE OWNER OR OTHER CORRECTIVE MEASURES AS DIRECTED BY THE OWNER.

4. THE FOLLOWING APPLICATION RATES ARE TO BE USED DURING PAVING: A. BITUMINOUS MATERIAL (TACK COAT) ON EXISTING BITUMINOUS CONCRETE SURFACES (PRIME TO BE RC-70) = 0.10 GAL./SQ.YD. B. BITUMINOUS MATERIAL (PRIME COAT) ON AGGREGATE BASE (PRIME TO BE MC-30) = 0.50 GAL./SQ.YD. C. BITUMINOUS CONCRETE SURFACE AND BINDER COURSES. (BINDER COURSE SHALL BE B MIXTURE). (SURFACE COURSE SHALL BE C MIXTURE) = 115 LBS./SQ.YD. ALL MATERIAL SHALL BE CLASS I BITUMINOUS AND SHALL BE VIRGIN MATERIAL. RECYCLED MATERIALS FOR BINDER MAY BE PERMITTED OUTSIDE PUBLIC RIGHT OF WAY UPON APPROVAL OF THE OWNER.

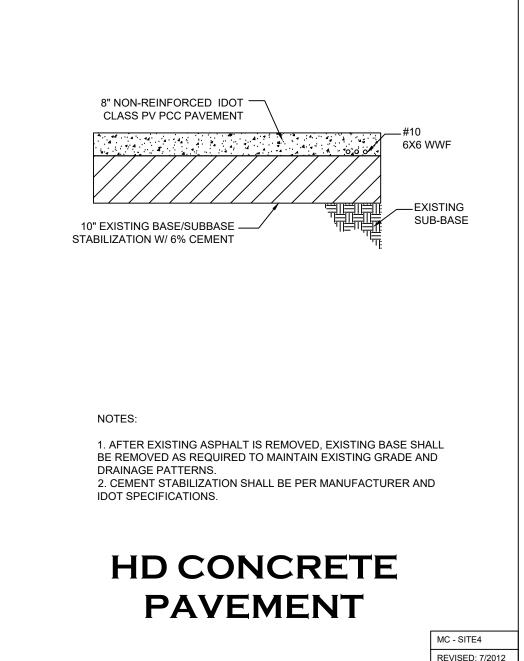
5. PAVEMENT: THE PAVEMENT MATERIALS SHALL BE DETAILED ON THE ENGINEERING PLANS. THICKNESSES SPECIFIED SHALL BE CONSIDERED TO BE THE MINIMUM COMPACTED THICKNESS.

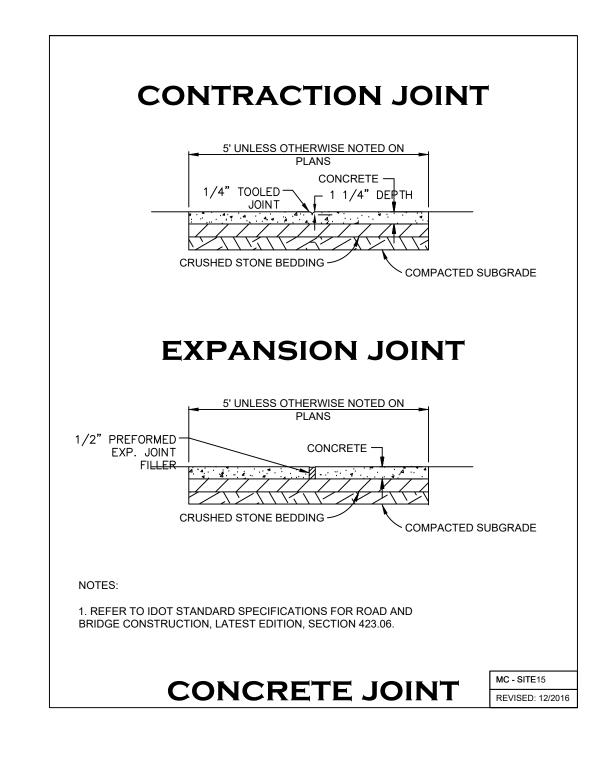
6. GENERAL: THE PAVING CONTRACTOR SHALL: A. REPAIR ANY BASE COURSE AND BINDER COURSE FAILURES PRIOR TO THE INSTALLATION OF THE FINAL BITUMINOUS CONCRETE SURFACE COURSE. B. SWEEP THE BINDER COURSE PRIOR TO THE INSTALLATION OF THE FINAL BITUMINOUS CONCRETE SURFACE COURSE.

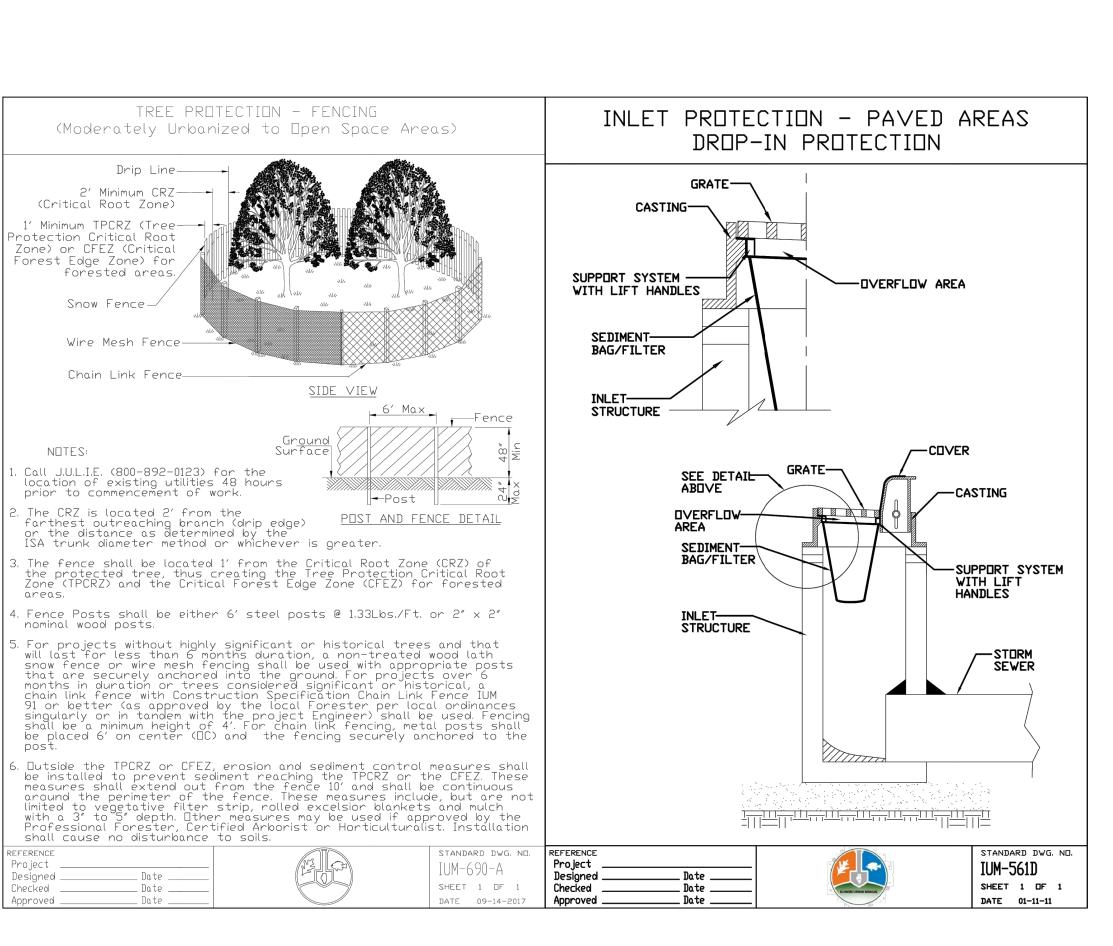
7. ACCEPTANCE: A. PRIOR TO THE PLACEMENT OF THE BASE COURSE. THE SUBGRADE MUST BE APPROVED BY THE OWNER. B. PRIOR TO PLACEMENT OF THE SURFACE COURSE, THE CONTRACTOR, WHEN REQUIRED, SHALL OBTAIN SPECIMENS OF THE BINDER COURSE WITH A CORE DRILL WHERE DIRECTED, FOR THE PURPOSE OF THICKNESS VERIFICATION.

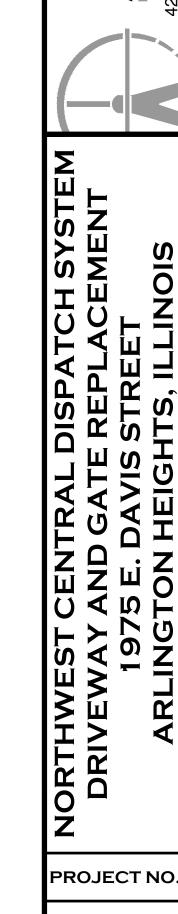
8. WHEN REQUESTED BY THE OWNER, DOCUMENTATION FOR THICKNESS AND AREAS OF PLACEMENT FOR THE BASE COURSE AND BITUMINOUS CONCRETE SHALL BE SUBMITTED FOR VERIFICATION.

9. ALL NOTES AND CONDITIONS SHOWN ON THE PLANS SHALL APPLY









PROJECT NO. M20051

ZDS DRAWN BY:

CHECKED BY: CLS SHEET NO. 5/5