



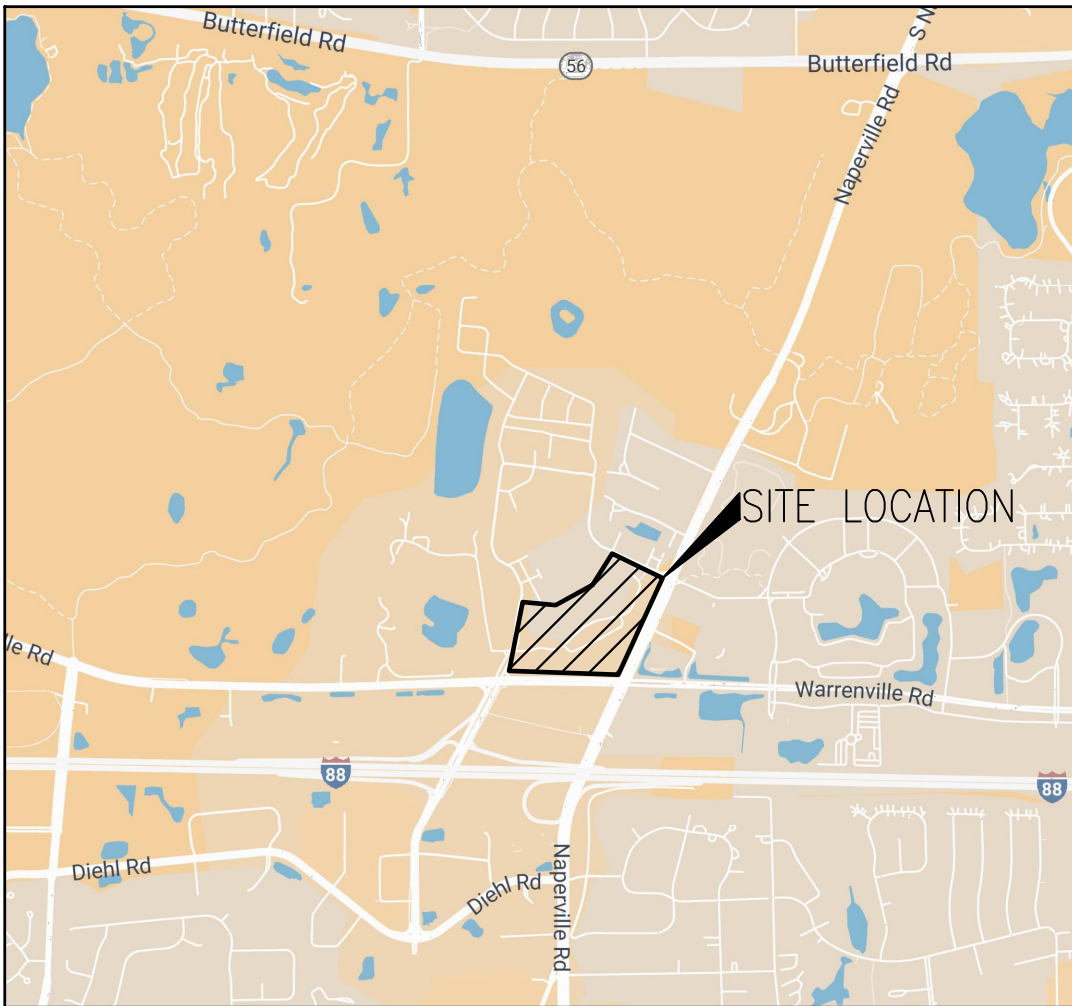
SITE IMPROVEMENT PLANS

FOR

1960 WEST LUCENT LANE

NAPERVILLE, ILLINOIS

KARIS CRITICAL



LOCATION MAP
NOT TO SCALE

BENCHMARK & LOCATIONS:

REFERENCE BENCHMARK(S):
CITY OF NAPERVILLE SURVEY MONUMENT STATION NO. 703

BERNSTEIN 3D TOP SECURITY MONUMENT, CONSISTING OF A 9/16" DIAM. STAINLESS STEEL DATUM POINT ON THREADED 9/16" X 4' LONG ROD TOTALING (8') IN LENGTH WITH GREASED TOP SECURITY SLEEVE ENCLOSED IN SAND AND 6" PVC PIPE WITH BMAC 6 ALUMINUM ACCESS COVER.

ELEVATION = 780.31 (NAVD 1988)

SITE BENCHMARK(S):
SITE BENCHMARK 1 (SBM 1) (JHA CP 2) – CROSS NOTCH CUT IN TOP OF CURB

SBM 1 IS A CROSS NOTCH CUT IN THE TOP OF CONC. CURB ON THE W. SIDE OF W. LUCENT LN./FREEDOM DR. +-610' N. OF BARKEI LN. NEAR THE NW. COR. OF OUR SITE (W. SIDE OF STREET). "X" IS OPP. THE NW'LY MOST ENTRANCE NEAR THE NW. COR. OF OUR SITE @ 1960 NAPERVILLE WHEATON RD. "X" IS +-0.20'E. OF THE W. BACK OF CURB OF W. LUCENT LN. (NEAR NW. COR. OF SITE)

ELEVATION = 739.86

SITE BENCHMARK 2 (SBM 2) (JHA CP 3) – MAG NAIL SET IN ASPH.

SITE BENCHMARK 2 IS A MAG NAIL SET IN THE ASPH. PATH RUNNING E-W IN THE N'LY. R.O.W. OF WEATHERBEE LN.(AKA LUCENT LN.) NEAR THE NW. COR. OF THE INTERSECTION OF WEATHERBEE LN. & NAPERVILLE RD. NAIL IS +-210' NW. OF THE CENTERLINE OF NAPERVILLE RD. NAIL IS +-7.30' NW. OF THE W. SIDE OF THE DRIVEWAY ENT. 2104-2114 WEATHERBEE LN. (MULTI FAMILY UNITS). NAIL IS +-0.50' NE. OF THE S'LY. EDGE OF PAVE OF THE ASPH. PATH. (NEAR NE. COR. OF SITE)

ELEVATION = 738.01

SITE BENCHMARK 3 (SBM 3) (JHA CP 4) – MAG NAIL SET IN ASPH.

SITE BENCHMARK 3 IS A MAG NAIL SET IN THE ASPH. PATH RUNNING N-S IN THE W'LY. R.O.W. OF NAPERVILLE RD. NEAR THE NW. COR. OF THE INTERSECTION OF NAPERVILLE RD. & WARRENVILLE RD. NAIL IS +-150' NE. OF THE CENTERLINE OF WARRENVILLE RD. NAIL IS +-26' NE. OF A TRAFFIC SIGNAL POST ON A PIECE OF CONC. WALK CONNECTING THE ASPH PATH TO THE CROSSWALK AT THE BACK OF CURB AND NAIL IS +-0.40' W. OF THE E'LY. EDGE OF PAVEMENT OF THE ASPH. PATH. (NEAR THE SE. COR. OF SITE)

ELEVATION = 736.11

SITE BENCHMARK 4 (SBM 4) (JHA CP 1) – MAG NAIL SET IN ASPH.

SBM 4 IS A MAG NAIL SET IN THE ASPH. PATH RUNNING E-W ALONG THE N. R.O.W. OF WARRENVILLE RD. NEAR THE SW. COR. OF OUR SITE, ALSO BEING NEAR THE NE. COR. OF THE INTERSECTION OF WARRENVILLE RD. & LUCENT LN./FREEDOM DR. NAIL IS +-57' E. OF THE POINT WHERE THE W. END OF THE ASPH. PATH CONNECTS TO THE CONC. WALK AT THAT INTERSECTION. NAIL IS +-41' NE. OF A STORM MANHOLE IN THE RIGHT TURN LANE TO TURN FROM WARRENVILLE RD. ON TO LUCENT LN./FREEDOM DR. (NEAR SW. COR. OF SITE)

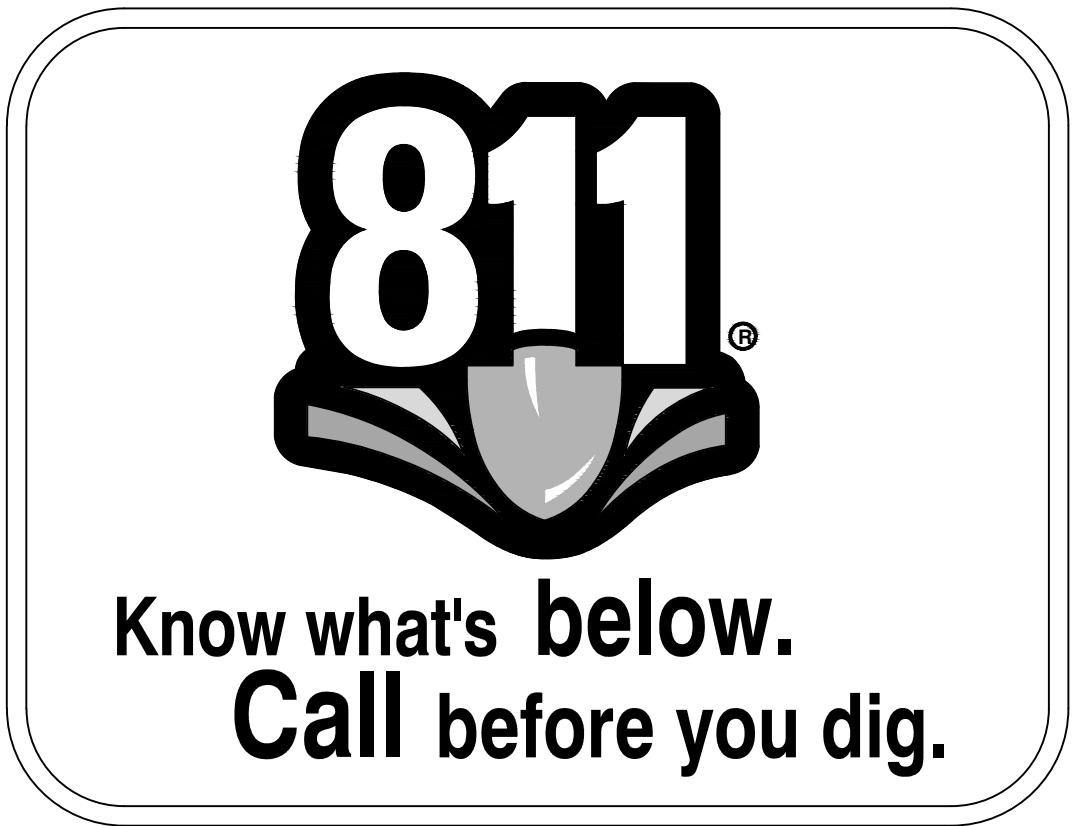
ELEVATION = 755.74

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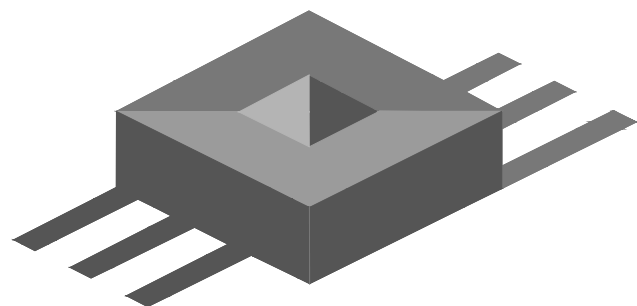
ABBREVIATION LEGEND	
ADA	AMERICANS WITH DISABILITIES ACT
B/	BOTTOM OF
BC	BACK OF CURB ELEVATION
C-C	CENTER TO CENTER SPACING
C&G	CURB AND GUTTER
CB	CATCH BASIN
DEP	DEPRESSED
DIP	DUCTILE IRON PIPE
DWS	DETECTABLE WARNING STRIP
EP	EDGE OF PAVEMENT ELEVATION
EX	EXISTING
FH	FIRE HYDRANT
FR	FUTURE
GR	GRADE RING ELEVATION
HC	HANDICAPPED
HWL	POND HIGH WATER LEVEL
I	UTILITY INVERT ELEVATION
MH	MANHOLE
NWL	POND NORMAL WATER LEVEL
PC	PRESSURE CONNECTION
PCC	PORTLAND CEMENT CONCRETE
PR	PROPOSED
PVC	POLYVINYL CHLORIDE PIPE
R	UTILITY STRUCTURE RIM ELEVATION
R&R	REMOVE AND REPLACE
RCF	REINFORCED CONCRETE PIPE
STM	STORM SEWER
T/	TOP OF
TC	TOP OF CURB ELEVATION
TDC	TOP OF DEPRESSED CURB ELEVATION
TF	TOP OF FOUNDATION ELEVATION
TW	TOP OF RETAINING WALL ELEVATION
VCP	VITRIFIED CLAY PIPE
VF	VERIFY IN FIELD
Vv	VALVE VAULT
W/	WITH
WM or WTR	WATER MAIN

PROPOSED	DESCRIPTION	EXISTING
	STORM SEWER	
	WATER MAIN WITH SIZE	
	SANITARY SEWER	
	RIGHT-OF-WAY/PROPERTY LINE	
	CONTOUR	
	SPOT GRADE	
	SANITARY MANHOLE	
	STORM MANHOLE	
	STORM INLET	
	STORM CATCH BASIN	
	FIRE HYDRANT	
	PRESSURE CONNECTION	
	GATE VALVE W/VAULT	
	LIGHT POLE	
	STREET LIGHT W/MAST	
	UTILITY POLE	
	SILT FENCE	
	OVERFLOW DIRECTION	
	SURFACE/DITCH FLOW DIRECTION	
	ROAD SIGN	
	CURB & GUTTER	
	DEPRESSED CURB FOR RAMP/DRIVEWAY	
	TOP OF FOUNDATION	
	GARAGE FLOOR, AT REAR OF GARAGE	
	TOP OF CURB, DEPRESSED	
	TOP OF RETAINING WALL	
	RIM FOR STRUCTURES	
	HIGH/NORMAL WATER LEVEL	
	TRANSFORMER	
	FENCE LINE	
	GUARD RAIL	
	FORCE MAIN	
	UNDERGROUND TELEPHONE	
	UNDERGROUND ELECTRIC	
	OVERHEAD ELECTRIC	
	UNDERGROUND GAS LINE	



Municipality: Naperville
County: DuPage
Township: 38N
Range: 10E
Section: 5

FOR REVIEW PURPOSES ONLY



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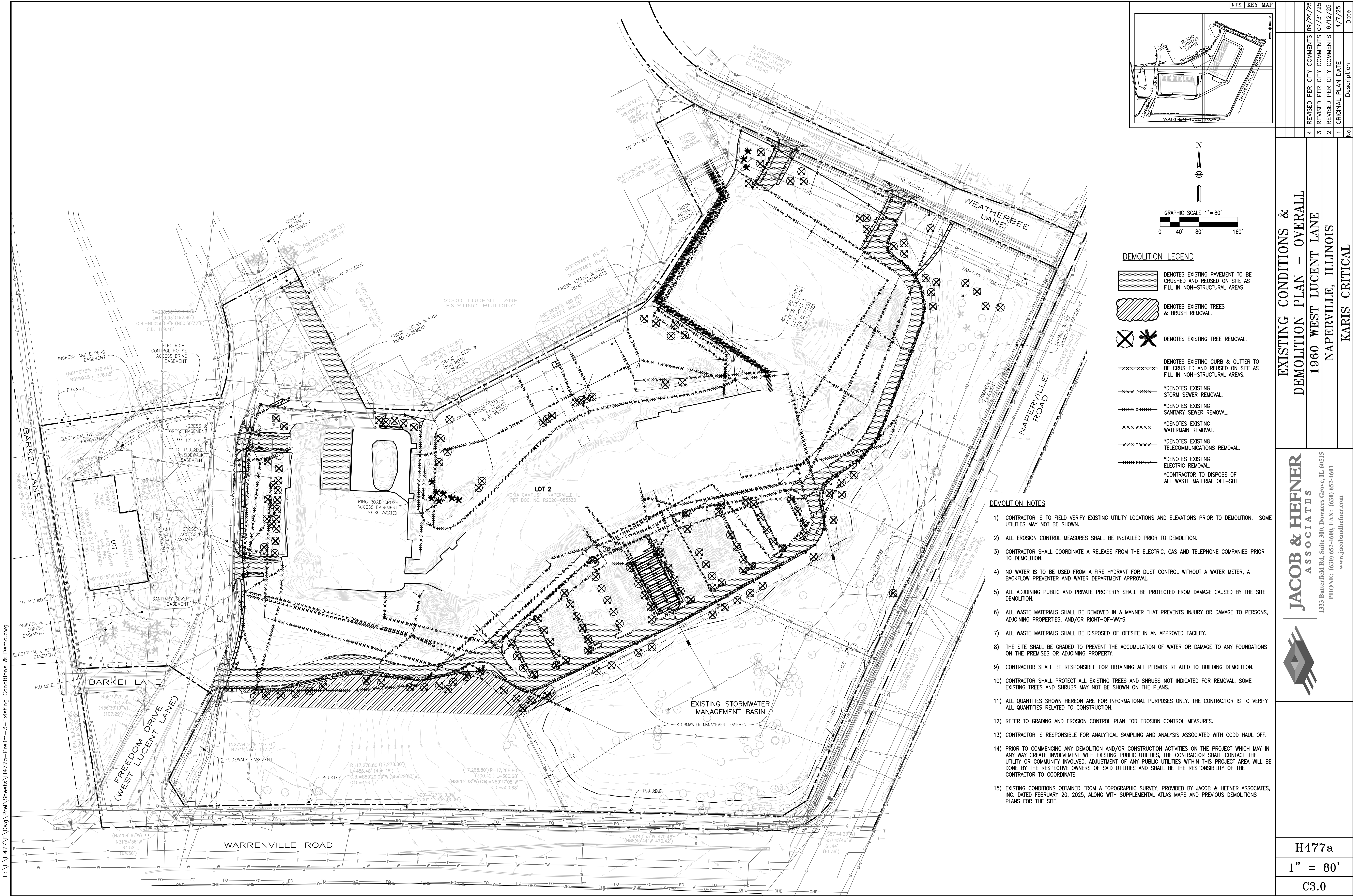
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H:\V\14771\EDwg\Pre\Sheets\H477a-Pre\2-General Notes and Typical Sections.dwg
H: 1/4/77 E.Dwg\Pre\Sheets\H477a-Pre\2-General Notes and Typical Sections.dwg

GENERAL NOTES	EARTHWORK	SANITARY SEWER	PAVEMENT	CONTACTS																																																																														
1. ALL PAVING AND RELATED CONSTRUCTION SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION, AS ADOPTED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION, ALL AMENDMENTS THERETO AND IN ACCORDANCE WITH THE LATEST EDITION OF THE SUBDIVISION REGULATIONS OF THE MUNICIPALITY. IN CASE OF CONFLICT, THE MORE STRINGENT CODE SHALL TAKE PRECEDENCE. 2. ALL STORM SEWER, SANITARY SEWER AND WATER MAIN CONSTRUCTION SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, LATEST EDITION AND IN ACCORDANCE WITH THE CURRENT SUBDIVISION REGULATIONS OF THE MUNICIPALITY UNLESS OTHERWISE NOTED ON THE PLANS. 3. STANDARD SPECIFICATIONS, SUPPLEMENTAL SPECIFICATIONS AND REQUIRING SPECIAL PROVISIONS, CONSTRUCTION PLANS, AND SUBSEQUENT 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 BUT ARE CONSIDERED A PART OF THIS CONTRACT. 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HAVING THE UTILITY COMPANIES LOCATE THEIR FACILITIES IN THE FIELD PRIOR TO CONSTRUCTION AND SHALL ALSO BE RESPONSIBLE FOR THE MAINTENANCE AND PRESERVATION OF THESE FACILITIES. THE ENGINEER DOES NOT WARRANT THE LOCATION OF ANY EXISTING UTILITIES SHOWN ON THE PLANS. THE CONTRACTOR SHALL CALL JULIETTE, AT 800-892-0123 AND THE MUNICIPALITY FOR UTILITY LOCATIONS. 5. 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 THE 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 WITH WHAT IS SHOWN ON THE CONSTRUCTION PLANS, HE MUST IMMEDIATELY REPORT SAME TO ENGINEER. BEFORE COMMENCING ANY WORK, OTHERWISE THE CONTRACTOR ASSUMES FULL RESPONSIBILITY. IN THE EVENT OF DISAGREEMENT BETWEEN THE CONSTRUCTION PLANS, SPECIFICATIONS AND/OR SPECIAL DETAILS, THE CONTRACTOR SHALL SECURE WRITTEN INSTRUCTION FROM THE ENGINEER 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 ENGINEER SHALL BE FINAL AND CONCLUSIVE. 6. 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 DAYS PRIOR TO COMMENCEMENT OF CONSTRUCTION. IN ADDITION, THE CONTRACTOR SHALL NOTIFY AS NECESSARY, ALL TESTING AGENCIES, EITHER MUNICIPALITY'S OR THE OWNER'S, SUFFICIENTLY IN ADVANCE OF CONSTRUCTION. B. FAILURE OF THE CONTRACTOR TO ALLOW PROPER NOTIFICATION TIME, WHICH RESULTS IN TESTING COMPANIES TO BE UNABLE TO VISIT THE SITE AND PERFORM TESTING, WILL CAUSE THE CONTRACTOR TO SUSPEND OPERATION (PERTAINING TO TESTING) UNTIL THE TESTING AGENCY CAN SCHEDULE TESTING OPERATIONS. THE COST OF SUSPENSION OF WORK TO BE BORNE BY THE CONTRACTOR. 7. ALL CONTRACTORS SHALL KEEP ACCESS AVAILABLE AT ALL TIMES, FOR ALL TYPES OF TRAFFIC. AT NO TIME SHALL ACCESS BE DENIED TO PROPERTIES SURROUNDING THE SITE. 8. ALL PROPOSED ELEVATIONS SHOWN ON THE PLANS ARE FINISHED SURFACE ELEVATIONS, UNLESS OTHERWISE SPECIFIED. 9. THE CONTRACTOR SHALL PRESERVE ALL CONSTRUCTION STAKES UNTIL THEY ARE NO LONGER NEEDED, ANY STAKES DESTROYED OR DISTURBED BY THE CONTRACTOR PRIOR TO THEIR USE SHALL BE RESET AT THE CONTRACTOR'S COST. 10. ALL FRAMES AND LIDS FOR STORM AND SANITARY SEWER STRUCTURES ARE TO BE ADJUSTED TO MEET FINAL FINISHED GRADE. THIS ADJUSTMENT IS TO BE MADE BY THE SEWER CONTRACTOR AND THE COST IS TO BE CONSIDERED INCIDENTAL. THESE ADJUSTMENTS TO FINISHED GRADE WILL NOT ALLOCATE THE CONTRACTOR FROM ANY ADDITIONAL ADJUSTMENTS AS REQUIRED BY THE MUNICIPALITY UPON FINAL INSPECTION OF THE PROJECT. FINAL GRADES ARE TO BE DETERMINED BY THE MUNICIPALITY AT THE TIME OF FINAL INSPECTION AND MAY VARY FROM PLAN GRADE. 11. ANY EXISTING SIGNS, LIGHT STANDARDS AND UTILITY POLES WHICH INTERFERE WITH CONSTRUCTION OPERATIONS AND NOT NOTED FOR DISPOSAL, SHALL BE REMOVED AND RESET BY THE CONTRACTOR AT HIS OWN EXPENSE, AS DIRECTED BY THE ENGINEER. ANY DAMAGE TO THESE ITEMS SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR, AT HIS OWN EXPENSE, TO THE SATISFACTION OF THE OWNER. ANY SIGNS NOT REQUIRED TO BE RESET SHALL BE DELIVERED TO THE RESPECTIVE OWNERS. 12. REMOVAL OF SPECIFIED ITEMS, INCLUDING BUT NOT LIMITED TO, PAVEMENT, SIDEWALK, CURB AND GUTTER, CULVERTS, ETC., SHALL BE DISPOSED OF OFF-SITE BY THE CONTRACTOR AT HIS OWN EXPENSE. THE CONTRACTOR IS RESPONSIBLE FOR ANY PERMIT REQUIRED FOR SUCH DISPOSAL. 13. ALL FIELD LIEU ENCOUNTERED DURING CONSTRUCTION OPERATIONS SHALL BE CONNECTED TO THE PROPOSED STORM SEWER SYSTEM OR SHALL BE RESTORED TO ORIGINAL CONDITION. A RECORD OF THE LOCATION OF ALL FIELD LIEU OR DRAIN PIPE ENCOUNTERED SHALL BE KEPT BY THE CONTRACTOR AND TURNED OVER TO THE ENGINEER UPON COMPLETION OF THE PROJECT. THE COST OF THIS WORK SHALL BE CONSIDERED AS INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED BY OWNER AND MUNICIPALITY. 14. ALL WORK PERFORMED UNDER THIS CONTRACT SHALL BE GUARANTEED BY THE CONTRACTOR AND HIS SURETY FOR A PERIOD OF 12 MONTHS FROM THE DATE OF FINAL ACCEPTANCE OF THE PROJECT. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ALL DEFECTS IN MATERIALS AND WORKMANSHIP OF WHATEVER NATURE DURING THAT PERIOD. 15. BEFORE ACCEPTANCE BY THE OWNER AND FINAL PAYMENT, ALL WORK SHALL BE INSPECTED BY THE OWNER OR HIS REPRESENTATIVE. FINAL PAYMENT WILL BE MADE AFTER ALL THE CONTRACTOR'S WORK HAS BEEN APPROVED AND ACCEPTED BY THE OWNER AND MUNICIPALITY. 16. UPON AWARDING OF THE CONTRACT AND WHEN REQUIRED BY THE MUNICIPALITY, THE CONTRACTOR SHALL FURNISH A LABOR, MATERIAL AND PERFORMANCE BOND WITH THE AMOUNT REQUIRED BY THE MUNICIPALITY, GUARANTEEING COMPLETION OF THE WORK. THE UNDERWRITER SHALL BE ACCEPTABLE TO THE MUNICIPALITY. 17. EASEMENTS FOR THE EXISTING UTILITIES, BOTH PUBLIC AND PRIVATE, AND UTILITIES WITHIN PUBLIC RIGHTS-OF-WAY ARE SHOWN ON THE PLANS ACCORDING TO KNOWN 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 WITH THE LOCATION OF THE NEW CONSTRUCTION, THE CONTRACTOR AND HEFNER ASSOCIATES, INC. IS RESPONSIBLE TO RESOLVE THE CONFLICT. JACOB AND HEFNER ASSOCIATES, INC. IS NOT RESPONSIBLE FOR THE COST OF CONSTRUCTION. 18. THE OWNER SHALL OBTAIN EASEMENTS AND PERMITS NECESSARY TO FACILITATE CONSTRUCTION OF THE PROPOSED UTILITIES. THE CONTRACTOR, SHALL FURNISH ALL REQUIRED BONDS AND EVIDENCE OF INSURANCE NECESSARY TO SECURE THESE PERMITS. 19. THE CONTRACTORS SHALL PLAN THEIR WORK BASED ON THEIR OWN BORINGS, EXPLORATIONS AND OBSERVATIONS TO DETERMINE SOIL CONDITIONS AT THE LOCATION OF THE PROPOSED WORK. 20. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR SAFETY ON THE JOB SITE IN ACCORDANCE WITH OSHA REGULATIONS. 21. AT NO ADDITIONAL EXPENSE TO THE OWNER, THE CONTRACTOR SHALL COLLECT AND REMOVE ALL CONSTRUCTION DEBRIS, EXCESS MATERIALS, TRASH, OIL AND GREASE RESIDUE, MACHINERY, TOOLS, STAKES OR LATH SET BY SURVEYORS FOR CONSTRUCTION AND OTHER MISCELLANEOUS ITEMS NOT PRESENT PRIOR TO PROJECT COMMENCEMENT. 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 ENGINEER OR OWNER. BURNING ON THE SITE IS NOT PERMITTED. 22. IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO PROVIDE PROPER BARRICADING, WARNING DEVICES AND THE SAFE MANAGEMENT OF TRAFFIC AND PEDESTRIANS WITHIN THE AREA OF CONSTRUCTION. ALL SUCH DEVICES AND THEIR INSTALLATION SHALL CONFORM TO THE ILLINOIS "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREET AND HIGHWAYS," LATEST EDITION AND IN CONFORMANCE WITH REGULATIONS OF THE MUNICIPALITY OR D.O.T. 23. NO UNDERGROUND WORK SHALL BE COVERED UNTIL IT HAS BEEN APPROVED BY THE MUNICIPALITY. APPROVAL TO PROCEED MUST BE OBTAINED FROM THE MUNICIPALITY PRIOR TO INSTALLING PAVEMENT BASE, BINDER COURSE OR SURFACE COURSE AND PRIOR TO POURING ANY CONCRETE AFTER FORMS HAVE BEEN SET. 24. ALL EXISTING UTILITIES OR IMPROVEMENTS, INCLUDING WALKS, CURBS, PAVEMENT AND PARKWAYS DAMAGED OR REMOVED DURING CONSTRUCTION SHALL BE PROMPTLY RESTORED TO THEIR RESPECTIVE ORIGINAL CONDITION. 25. AT THE CLOSE OF EACH WORKING DAY AND AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL DRAINAGE STRUCTURES AND FLOW LINES SHALL BE FREE FROM OBSTRUCTION AND DEBRIS. 26. TREES NOT MARKED FOR REMOVAL SHALL BE CONSIDERED AS DESIGNATED TO BE SAVED AND SHALL BE PROTECTED UNDER THE PROVISIONS OF ARTICLE 201.03 OF THE STANDARD SPECIFICATIONS. 27. LIMB PRUNING SHALL BE PERFORMED UNDER THE SUPERVISION OF AN APPROVED LANDSCAPE ARCHITECT AND SHALL BE UNDERTAKEN IN A TIMELY FASHION SO AS NOT TO INTERFERE WITH CONSTRUCTION. 28. ALL LIMBS, BRANCHES AND OTHER DEBRIS RESULTING FROM THIS WORK SHALL BE DISPOSED OF OFF-SITE BY THE CONTRACTOR AT HIS OWN EXPENSE. 29. ALL CUTS OVER ONE INCH IN DIAMETER SHALL BE MADE FLUSH WITH THE NEXT LARGE BRANCH. WOUNDS OVER ONE INCH IN DIAMETER SHALL BE PAINTED WITH AN APPROVED TREE PAINT. 30. ANY DEMATERING OF SEWER AND WATER TRENCHES, AS WELL AS TEMPORARY SKEETING OR BRACING THAT MAY BE REQUIRED, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL NOT BE CONSIDERED EXTRA WORK. IN THE EVENT THAT SOFT MATERIALS WITH UNCONFINED COMPRESSIVE STRENGTH LESS THAN 0.5 TSP ARE ENCOUNTERED DURING SEWER AND WATER MAIN CONSTRUCTION, THE CONTRACTOR SHALL (UPON APPROVAL OF THE OWNER AND/OR ENGINEER) OVER-EXCAVATE TO A DEPTH OF AT LEAST ONE FOOT BELOW THE BOTTOM OF THE PIPE. THE TRENCH SHALL BE BACKFILLED WITH COMPACTED CRUSHED STONE, PROPERLY FORMED TO FIT THE BOTTOM OF THE PIPE. 31. THE CONTRACTOR SHALL RECORD VIDEO OF THE WORK AREA PRIOR TO CONSTRUCTION FOR THE PURPOSE OF DOCUMENTING EXISTING CONDITIONS. 32. AGGREGATE TRENCH BACKFILL WILL BE REQUIRED TO FULL DEPTH ABOVE ALL UNDERGROUND UTILITIES WITHIN TWO FEET OF PROPOSED OR EXISTING PAVEMENT, UTILITIES, BUILDINGS AND SIDEWALKS. AGGREGATE TRENCH BACKFILL SHALL BE INSTALLED IN ACCORDANCE WITH CURRENT DOT STANDARD SPECIFICATIONS. TRENCH BACKFILL AND BEDDING MATERIAL SHALL CONSIST OF CRUSHED GRAVEL CONFORMING TO DOT GRADATIONS CA-6 OR CA-7. AGGREGATE TRENCH BACKFILL SHALL BE PLACED IN CONTROLLED LIFTS (12 INCH LOOSE MEASURE TYPICAL FOR GRANULAR MATERIAL) TO 95 PERCENT OF THE MAXIMUM DRY DENSITY OF THE MATERIAL. THE MATERIAL SHALL BE PLACED IN A MOIST CONDITION TO A DEPTH OF AT LEAST ONE FOOT BELOW THE BOTTOM OF THE PIPE. THE TRENCH SHALL BE BACKFILLED WITH COMPACTED CRUSHED STONE, PROPERLY FORMED TO FIT THE BOTTOM OF THE PIPE. 33. WHERE SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER, EXISTING DRAINAGE STRUCTURES AND SYSTEMS SHALL BE CLEANED OF DEBRIS AND PATCHED AS NECESSARY TO ASSURE INTEGRITY OF THE STRUCTURE. 34. HYDRANTS SHALL NOT BE FLUSHED DIRECTLY ONTO THE ROAD SUBGRADE. WHEREVER POSSIBLE, HOSES SHALL BE USED TO DIRECT THE WATER INTO STORM SEWERS, DAMAGE TO THE ROAD SUBGRADE OR LOT AREAS DUE TO EXCESSIVE WATER SATURATION AND/OR EROSION FROM HYDRANT FLUSHING OR LEAKS IN THE WATER DISTRIBUTION SYSTEM, WILL BE THE RESPONSIBILITY OF THE CONTRACTOR. FLUSHING OR USING THE HYDRANT TO MAKE ALL NECESSARY REPAIRS WILL BE AT HIS EXPENSE. THE CONTRACTOR SHALL PROVIDE ALL CONSTRUCTION WATER AT HIS EXPENSE. 35. AFTER THE STORM SEWER SYSTEM HAS BEEN CONSTRUCTED, THE CONTRACTOR SHALL PLACE EROSION CONTROL AT LOCATIONS SHOWN ON THE PLANS OR AS SELECTED IN THE FIELD BY THE ENGINEER. INLET PROTECTION (INLET BASKETS) SHALL BE INSTALLED IN EACH STRUCTURE AS SOON AS THE STRUCTURE INSTALLATION IS COMPLETE. THE PURPOSE OF THE EROSION CONTROL WILL BE TO MINIMIZE THE AMOUNT OF SILTATION, WHICH NORMALLY ENTERS THE STORM SEWER SYSTEM FROM ADJACENT AND/OR UPSTREAM DRAINAGE AREAS. 36. EROSION CONTROL MEASURES SHALL BE INSTALLED IN ACCORDANCE WITH ILLINOIS URBAN MANUAL AND SHALL BE MAINTAINED BY THE CONTRACTOR. EROSION CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL A SUITABLE GROWTH OF GRASS, ACCEPTABLE TO THE ENGINEER, HAS BEEN DEVELOPED. 37. UPON PROJECT COMPLETION, THE CONTRACTOR SHALL PROVIDE FINAL RECORD DRAWINGS TO THE OWNER AND ENGINEER FOR REVIEW PRIOR TO ANY REQUEST FOR FINAL INSPECTION. AT A MINIMUM, THE RECORD DRAWINGS SHALL INDICATE THE FINAL LOCATION AND LAYOUT OF ALL SITE IMPROVEMENTS, INCLUDING BUT NOT LIMITED TO, VERIFICATION OF ALL BUILDING FOOTPRINTS, LOCATIONS OF ALL UTILITIES, UTILITY ROW AND INVERT ELEVATIONS, KEY PAVEMENT SPOT GRADE ELEVATIONS, LOCATIONS OF ALL WATER SERVICE B-BOXES, SANITARY SEWER SERVICES, AND STORM SEWER SERVICES AND SHALL INCORPORATE ALL FIELD DESIGN CHANGES INCLUDING THOSE APPROVED BY THE OWNER, ENGINEER AND/OR PROJECT GOVERNING AUTHORITY. THE RECORD DRAWINGS SHALL ALSO INCORPORATE ANY FIELD DESIGN CHANGES THAT WERE NOT APPROVED BY OWNER, ENGINEER AND/OR PROJECT GOVERNING AUTHORITY. RECORD DRAWINGS SHALL BE PREPARED BY OR UNDER THE DIRECT SUPERVISION OF A LICENSED PROFESSIONAL LAND SURVEYOR.	1. TOPSOIL EXCAVATION A. TOPSOIL, ORGANIC MATERIAL, OR ANY OTHER UNSUITABLE MATERIALS SHALL BE REMOVED FROM AREAS REQUIRING STRUCTURAL FILL. B. PLACEMENT OF EXCAVATED MATERIAL SHALL BE DESIGNATED BY THE OWNER FOR FUTURE USE WITHIN AREAS TO BE LANDSCAPED OR AS FILL IN THE AREAS NOT REQUIRING STRUCTURAL FILL MATERIAL. C. EXCESS MATERIALS NOT UTILIZED AS FILL OR NOT STOCKPILED FOR FUTURE LANDSCAPING, SHALL BE COMPLETELY REMOVED FROM THE CONSTRUCTION SITE AND DISPOSED OF OFF-SITE BY THE CONTRACTOR. 2. EARTH EXCAVATION A. EXCAVATION OF EARTH AND OTHER MATERIALS, WHICH ARE SUITABLE FOR USE AS STRUCTURAL FILL, SHALL BE WITHIN A TOLERANCE OF 0.05 FEET FOR PADS AND PAVEMENT, AT 0.1 FEET +/- OF THE PLAN SUBGRADE ELEVATIONS. THE +/- TOLERANCE WITHIN PAVEMENT AREAS UTILIZING EARTH MATERIALS SHALL "BALANCE" AS PART OF THE FINE GRADING OPERATION. B. PLACEMENT OF EARTH AND OTHER SUITABLE MATERIALS SHALL BE PLACED WITHIN THOSE AREAS REQUIRING STRUCTURAL FILL TO ACHIEVE THE PLAN SUBGRADE ELEVATIONS WITHIN A TOLERANCE OF 0.1 FEET +/-, THE FILL MATERIAL SHALL BE PLACED IN LOOSE LIFTS, NOT EXCEED EIGHT INCHES IN THICKNESS. THE WATER CONTENT SHALL BE ADJUSTED IN ORDER TO ACHIEVE THE REQUIRED COMPACTION. EARTH MATERIAL MAY BE PLACED WITHIN THOSE AREAS OF THE SITE NOT REQUIRING STRUCTURAL FILL, WITHIN THE PLAN SUBGRADE ELEVATION. IN AREAS REQUIRING STRUCTURAL FILL, THE EARTH MATERIAL SHALL NOT BE PLACED OVER TOPSOIL OR OTHER UNSUITABLE MATERIALS. THE STRUCTURAL SUBGRADE AREA SHALL EXTEND TO THE ZONE OF INFLUENCE IN ALL FILL AREAS. C. COMPACTION OF THE EARTH AND OTHER SUITABLE MATERIALS SHALL BE TO A MINIMUM OF 95% OF THE MODIFIED PROCTOR DRY DENSITY. THIS INCLUDES AREAS WITHIN PROPOSED PAVEMENT AND BUILDING PAD LOCATIONS, SIDEWALKS, ETC. IN NON-STRUCTURAL FILL AREAS, 90% TO 95% OF THE MODIFIED PROCTOR DRY DENSITY IS REQUIRED. 3. UNSUITABLE MATERIAL A. UNSUITABLE MATERIAL SHALL BE CONSIDERED AS MATERIAL THAT IS NOT SUITABLE FOR THE SUPPORT OF PAVEMENT AND BUILDING CONSTRUCTION. IF IT IS ENCOUNTERED BELOW NORMAL TOPSOIL DEPTHS AND THE PROPOSED SUBGRADE ELEVATION, IT SHALL BE REMOVED AND REPLACED WITH SELECT GRANULAR MATERIAL APPROVED BY THE SOILS ENGINEER. THE DECISION TO REMOVE SAID MATERIAL AND TO WHAT EXTENT, SHALL BE MADE BY A SOILS ENGINEER WITH THE CONCURRENCE OF THE OWNER. 4. THE GRADING CONTRACTORS RESPONSIBILITIES A. MAINTAIN POSITIVE DRAINAGE AT ALL TIMES DURING THE COURSE OF CONSTRUCTION AND PREVENT STORM WATER FROM RUNNING INTO OR STANDING IN EXCAVATED AREAS. B. SPREAD AND COMPACT UNIFORMLY ALL EXCESS TRENCH SPOIL, AS SPECIFIED, AFTER COMPLETION OF THE UNDERGROUND IMPROVEMENTS. C. SCARIFY AND COMPACT THE UPPER 12 INCHES OF THE SUITABLE SUBGRADE MATERIAL, AS SPECIFIED, IN ALL AREAS THAT MAY BE SOFT DUE TO EXCESS MOISTURE CONTENT. THIS APPLIES TO CUT AREAS AS WELL AS FILL AREAS. D. PROVIDE ADDITIONAL WATER TO DRY MATERIAL TO ADJUST THE MOISTURE CONTENT FOR THE PURPOSE OF ACHIEVING THE SPECIFIED COMPACTION. E. BACKFILL THE CURB AND GUTTER AFTER CONSTRUCTION AND PRIOR TO THE PLACEMENT OF THE BASE COURSE MATERIAL. F. ACCOUNTABLE FOR IMPLEMENTATION OF THE "SOIL EROSION AND SEDIMENTATION CONTROL MEASURES" AS DESCRIBED ON THE PLANS. ALL CONTRACTORS SHALL COMPLY WITH THE SWPPP AND NPDES REQUIREMENTS. G. PERFORM LIME STABILIZATION OF THE SUBGRADE MATERIAL, IF REQUIRED BY THE SOILS ENGINEER. 5. TESTING AND FINAL ACCEPTANCE A. THE CONTRACTOR SHALL PROVIDE, AS A MINIMUM, A TANDDEM AXLE TRUCK LOADED TO 14 TONS FOR PROOF ROLLING THE PAVEMENT SUBGRADE. PROOF ROLLING SHALL BE PERFORMED PRIOR TO THE PLACEMENT OF THE CURB AND GUTTER AND BASE MATERIAL. THIS SHALL BE WITNESSED AND APPROVED BY THE MUNICIPAL ENGINEER AND OWNER. B. ANY UNSUITABLE AREA ENCOUNTERED AS A RESULT OF PROOF ROLLING, SHALL BE REMOVED AND REPLACED WITH SUITABLE MATERIAL APPROVED BY THE SOILS CONSULTANT. PROOF ROLLING SHALL BE PERFORMED UNTIL THE SUBGRADE IS APPROVED BY THE MUNICIPAL ENGINEER, OWNER AND SOILS ENGINEER. C. THE WORK AREAS SHALL BE POSITIVELY DRAINED DURING CONSTRUCTION. FINAL GRADES SHALL BE PROTECTED AGAINST DAMAGE FROM EROSION, SEDIMENTATION AND TRAFFIC.	1. UNLESS NOTED OTHERWISE, ALL SANITARY SEWER SHALL BE RING-TITE PVC (POLYVINYL CHLORIDE) PIPE, 18" DIAMETER, 40' LENGTHS, MANHOLES AND IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR JOINTS CONFORMING TO ASTM D3212. THE STANDARD DIMENSION RATIO (SDR) FOR SANITARY PIPE SHALL BE 26, WHERE SPECIFIED, PVC SDR 21 SANITARY SEWER SHALL BE RING-TITE PVC (POLYVINYL CHLORIDE) PLASTIC PIPE, CONFORMING TO ASTM D-2241 WITH ELASTOMERIC RUBBER RING GASKET JOINTS CONFORMING TO ASTM D3139. THE PVC D1818 SANITARY SEWER SHALL CONFORM TO ANMA C900/C905, WITH RUBBER GASKET JOINTS CONFORMING TO ANMA C900/C905. 2. CONNECTING SEWER PIPE OF DISSIMILAR MATERIAL IS NOT PERMITTED. 3. ALL FLOOR DRAWS SHALL CONNECT TO THE SANITARY SEWER. CONNECTIONS TO EXISTING SANITARY SEWER SYSTEM SHALL NOT BE COMPLETED UNTIL AUTHORIZED BY THE MUNICIPALITY. 4. ALL UNSUITABLE MATERIAL SHALL BE REMOVED BELOW THE PROPOSED SANITARY SEWER AND REPLACED WITH COMPACTED CRUSHED GRAVEL, CONFORMING TO ASTM D-2321, CL 1. 5. COST FOR PIPE BEDDING SHALL BE MERGED WITH THE UNIT PRICE BID FOR THE SEWER. 6. PIPE BEDDING SHALL CONSIST OF A MINIMUM OF FOUR INCHES OF COMPACTED CRUSHED GRAVEL OR STONE FOR ALL SANITARY SEWERS. SANITARY SEWER PIPE SHALL HAVE TAMPED CRUSHED GRAVEL OR STONE COVER ABOVE THE TOP OF PIPE, TO A MINIMUM OF 12 INCHES. THE BEDDING AND TRENCH MATERIAL SHALL CONFORM TO IDOT GRADATION CA-6 AND INSTALLED PER ASTM D-2321 CLASS 1. 7. WATER MAINS SHALL BE SEPARATED FROM SANITARY SEWERS AND STORM SEWERS IN ACCORDANCE WITH IEPA REQUIREMENTS AS SPECIFIED IN THE "WATER MAIN" SECTION. 8. NO WATER LINE SHALL BE PLACED IN THE SAME TRENCH AS A SEWER LINE. 9. THE TESTING OF THE PIPE STRAIGHTNESS AND FIELD TESTING, SHALL BE IN ACCORDANCE WITH THE DEVELOPMENT CODE OF THE MUNICIPALITY. 10. SANITARY SEWER MANHOLES SHALL BE FOUR FOOT INNER DIAMETER MINIMUM, PRECAST REINFORCED CONCRETE RINGS OR MONOLITHIC CONCRETE, CONFORMING TO ASTM C 478. THE STRUCTURE SHALL HAVE AN ECCENTRIC COLE INSTALLED, LINING UP WITH THE MANHOLE STEPS. ALL MANHOLE STEPS SHALL BE NEENAH R-1981-I AT 16 INCHES ON-CENTER. 11. ALL SANITARY SEWER MANHOLE LIDS SHALL BE NEENAH R-1713-B OR APPROVED EQUAL. THE LIDS SHALL HAVE RECESSED (CONCEALED) PICK HOLE AND BE SELF SEALING WITH "OT" RING GASKET. THE LIDS SHALL HAVE THE WORD "SANITARY" AND THE MUNICIPALITY NAME EMBOSSED ON THE LID. 12. ALL MANHOLE JOINTS SHALL BE SEALED WITH "OT" RING JOINTS. NO MORE THAN EIGHT INCHES OF PRECAST CONCRETE ADJUSTING RINGS SHALL BE USED TO ADJUST FRAME ELEVATIONS. ALL MANHOLES SHALL HAVE MISSION COUPLING TYPE FITTINGS FOR PIPE CONNECTIONS. 13. DROP MANHOLE ASSEMBLIES SHALL BE PROVIDED AT THE JUNCTION OF SANITARY SEWERS WHERE THE DIFFERENCE IN INVERT GRADES EXCEEDS TWO FEET OR AT LOCATIONS SHOWN ON THE PLANS. THE ENTIRE DROP ASSEMBLY SHALL BE CAST IN CONCRETE MONOLITHICALLY WITH THE MANHOLE BARREL. 14. INSPECTION OF MANHOLES: A. ALL MANHOLES SHALL BE THOROUGHLY CLEANED OF DIRT AND DEBRIS. ALL VISIBLE LEAKAGE SHALL BE ELIMINATED BEFORE FINAL INSPECTION AND ACCEPTANCE. 15. TESTING FOR ACCEPTANCE OF SANITARY SEWERS AND MANHOLES, INCLUDING SERVICE LINES, SHALL INCLUDE LOAD, LEAKAGE AND TEST AND DEFLECTION TEST FOR STANDARD SPECIFICATIONS AND SUBDIVISION REGULATIONS OF THE MUNICIPALITY. THE TESTS SHALL BE APPROVED BY THE MUNICIPALITY BEFORE ACCEPTANCE. ALL SANITARY MANHOLES SHALL BE VACUUM TESTED FOR LEAKAGE IN ACCORDANCE WITH MUNICIPAL STANDARDS AND ASTM C 1244-02. 16. TELEVISION TESTING OF ALL SANITARY SEWERS SHALL BE TELIVISED. A COPY OF THE RECORDING AND A WRITTEN REPORT SHALL BE SUBMITTED TO THE SUBMITTAL FOR APPROVAL. THE REPORT SHALL INCLUDE STUB LOCATIONS, A DESCRIPTION OF ALL DEFECTS, WATER LEVEL, LEAKS AND IDENTIFICATION OF LENGTH FROM THE MANHOLE NUMBER SPECIFIED ON THE APPROVED PLANS. ALL COSTS SHALL BE INCIDENTAL TO THE WORK. TESTING SHALL BE WITNESSED AND APPROVED BY THE MUNICIPALITY BEFORE FINAL ACCEPTANCE. THE LOCATION OF TELEVISION INSPECTION SHALL BE DESIGNATED BY THE MUNICIPAL ENGINEER. 17. IF THE SANITARY SEWER INSTALLATION FAILS TO MEET THE TEST REQUIREMENTS SPECIFIED, THE CONTRACTOR SHALL REPAIR OR REPLACE ALL MATERIALS AND WORKMANSHIP AS NECESSARY TO COMPLY WITH THE TEST REQUIREMENTS. 18. THE CERTIFICATION CONTRACTOR SHALL SUBMIT CERTIFIED COPIES OF ALL REPORTS OF THE TESTS CONDUCTED BY AN INDEPENDENT LABORATORY BEFORE INSTALLATION OF PVC PLASTIC PIPE. TESTS SHALL BE CONDUCTED IN ACCORDANCE WITH THE STANDARD METHOD OF TESTING FOR "EXTERNAL LOADING PROPERTIES OF PLASTIC PIPE BY PARALLEL PLATE LOADING," ASTM STANDARD D-2412. TESTS SHALL ALSO BE CONDUCTED IN ACCORDANCE WITH ASTM D-3212, TO DEMONSTRATE JOINT PERFORMANCE, AT 5% MAXIMUM DIAMETRIC DEFLECTION OF THE SPIGOT, AS SPECIFIED IN ASTM D-3212 SPECIFICATIONS. SOIL EROSION AND SEDIMENT CONTROL 1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE PROVISIONS OF THE SUBDIVISION CONTROL ORDINANCE OF THE MUNICIPALITY AND THE ILLINOIS URBAN MANUAL. 2. BEFORE STARTING SITE CLEARING AND GRADING WORK, A CONSTRUCTION ENTRANCE AND SILT FENCE SHALL BE INSTALLED AS SHOWN ON THE PLANS. 3. THE CONSTRUCTION ENTRANCE TO THE SITE SHALL BE STABILIZED WITH GRAVEL PRIOR TO BEGINNING ANY WORK ON THE SITE. THE ENTRANCE SHALL BE MAINTAINED PERIODICALLY FOR ITS EFFECTIVENESS TO REMOVE DIRT FROM CONSTRUCTION VEHICLES LEAVING THE SITE. 4. SILT FILTER FENCE SHALL BE PLACED AS SHOWN ON THE PLANS AND AS DIRECTED BY THE MUNICIPALITY'S ENGINEERING INSPECTOR, TO PREVENT SEDIMENT FROM LEAVING THE SITE. 5. STAKED SILT FENCE SHALL BE INSTALLED AND MAINTAINED AROUND THE INLETS AND CATCH BASINS AS SHOWN ON THE PLANS. 6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION AND MAINTENANCE OF ALL TEMPORARY AND PERMANENT EROSION CONTROL MEASURES. 7. THE CONTRACTOR SHALL INSPECT EROSION CONTROL MEASURES WEEKLY AND AFTER ANY STORM EVENT IN EXCESS OF HALF AN INCH. AN INSPECTION REPORT SHALL BE COMPLETED EACH TIME AND KEPT WITHIN A BINDER ON THE JOB SITE AT ALL TIMES. THE NOI, NPDES PERMIT AND SWPP PLAN SHALL ALSO BE KEPT ON-SITE. 8. AT THE COMPLETION OF THE PROJECT, ALL STORM SEWER PIPES AND STRUCTURES SHALL BE CLEANED AND FREE OF DIRT AND DEBRIS. SEDIMENTATION SHALL BE REMOVED FROM THE STORM SEWER SYSTEM AND SHALL NOT BE WASHED OUT INTO THE EXISTING STORM SEWER SYSTEM. 9. THE TEMPORARY EROSION CONTROL MEASURES SHALL BE EFFECTIVELY IN PLACE UNTIL ALL THE PERMANENT EROSION CONTROL MEASURES ARE FULLY FUNCTIONAL. 10. THE GUARANTEE PERIOD SHALL BEGIN AFTER ALL THE PERMANENT EROSION CONTROL MEASURES ARE FULLY FUNCTIONAL AND ACCEPTABLE TO OWNER OR HIS REPRESENTATIVE. 11. STOCKPILES OF ANY KIND SHALL NOT BE PLACED IN SPECIAL MANAGEMENT AREAS. IF A STOCKPILE IS TO REMAIN IN PLACE FOR MORE THAN SEVEN DAYS, THEN SEDIMENT AND EROSION CONTROL MEASURES SHALL BE PROVIDED FOR THE STOCKPILE. 12. IF THE VOLUME, VELOCITY, SEDIMENT LOAD OR PEAK FLOW RATES OF STORM WATER RUNOFF ARE TEMPORARILY INCREASED DURING CONSTRUCTION, THEN PROPERTIES AND SPECIAL MANAGEMENT AREAS DOWNSTREAM FROM SUCH DEVELOPMENT SITES SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION. 13. STORM SEWER INLETS SHALL BE PROTECTED WITH SEDIMENT TRAPPING OR FILTER CONTROL DEVICES DURING CONSTRUCTION. 14. THE SURFACE OF STRIPPED AREAS SHALL BE PERMANENTLY OR TEMPORARILY PROTECTED FROM SOIL EROSION WITHIN SEVEN DAYS AFTER FINAL GRADE IS REACHED. UNTIL A HALF INCH OR GREATER RAINFALL EVENT IS FORECAST PRIOR TO SEVEN DAYS, IN THIS OCCURRENCE, THE PROPER SOIL PROTECTION SHALL BE INSTALLED IMMEDIATELY. STRIPPED AREAS NOT AT FINAL GRADE THAT REMAIN UNDISTURBED FOR MORE THAN SEVEN DAYS AFTER INITIAL DISTURBANCE, SHALL BE PROTECTED FROM EROSION, UNLESS GRADING ACTIVITIES ARE RESUMED WITHIN 14 DAYS FROM WHEN ACTIVITIES CEASED. TEMPORARY COVER SHALL BE MAINTAINED CONTINUOUSLY UNTIL PERMANENT COVER IS ESTABLISHED. DENSITY CONTROL LIMITS TABLE <table><tr><th>MIXTURE COMPOSITION</th><th>PARAMETER</th><th>INDIVIDUAL TEST (INCLUDES CONFINED EDGES)</th><th>UNCONFINED EDGE JOINT DENSITY MINIMUM</th></tr><tr><td rowspan="2">IL-9.5, IL12.5</td><td>Ndesign >= 90</td><td>92.0-96.0%</td><td>90%</td></tr><tr><td>Ndesign < 90</td><td>92.5-97.4%</td><td>90%</td></tr><tr><td rowspan="2">IL-9.5, IL19.0, IL-12.5</td><td>Ndesign >= 90</td><td>93.0-96.0%</td><td>90%</td></tr><tr><td>Ndesign < 90</td><td>93.0-97.4%</td><td>90%</td></tr><tr><td rowspan="2">IL-19.0, IL-25.0</td><td>Ndesign >= 90</td><td>93.5-97.4%</td><td>91%</td></tr><tr><td>Ndesign < 90</td><td>93.0-97.4%</td><td>90%</td></tr><tr><td rowspan="2">IL-19.0, IL-19.0L, IL-25.0</td><td>Ndesign >= 90 & 80</td><td>93.0-97.4%</td><td>90%</td></tr><tr><td>Ndesign = 30</td><td>93.0-97.4%</td><td>90%</td></tr><tr><td colspan="2">ALL OTHER</td><td></td><td></td></tr></table>	MIXTURE COMPOSITION	PARAMETER	INDIVIDUAL TEST (INCLUDES CONFINED EDGES)	UNCONFINED EDGE JOINT DENSITY MINIMUM	IL-9.5, IL12.5	Ndesign >= 90	92.0-96.0%	90%	Ndesign < 90	92.5-97.4%	90%	IL-9.5, IL19.0, IL-12.5	Ndesign >= 90	93.0-96.0%	90%	Ndesign < 90	93.0-97.4%	90%	IL-19.0, IL-25.0	Ndesign >= 90	93.5-97.4%	91%	Ndesign < 90	93.0-97.4%	90%	IL-19.0, IL-19.0L, IL-25.0	Ndesign >= 90 & 80	93.0-97.4%	90%	Ndesign = 30	93.0-97.4%	90%	ALL OTHER				1. FINE GRADING A. PRIOR TO THE CONSTRUCTION OF CURB AND GUTTER AND PLACEMENT OF THE BASE MATERIAL, THE STREETS SHALL BE FINE GRADED TO WITHIN 0.05 FEET OF FINAL SUBGRADE ELEVATION, TO A POINT TWO FEET BEYOND THE BACK OF CURB. 2. CURB AND GUTTER A. THE TYPE OF THE CURB AND GUTTER SHALL BE AS DETAILED ON THE ENGINEERING PLANS. B. THE CURBS SHALL BE BACKFILLED AFTER CONSTRUCTION AND PRIOR TO THE PLACEMENT OF THE BASE COURSE. C. THE STONE COST UNDER THE CURB AND GUTTER SHALL BE CONSIDERED INCIDENTAL. D. DEPRESSED CURBS FOR DRIVEWAYS AND HANDICAPPED RAMPS SHALL BE INSTALLED PER THE PLANS AND IDOT STANDARDS. 3. CONCRETE PAVEMENT A. CONSTRUCTION JOINTS SHALL INCLUDE DOWELS PER "CONSTRUCTION JOINT TABLE" ALL DOWELS SHALL BE SMOOTH EPOXY COATED, GREASE ONE END. B. CONTRACTOR SHALL PROVIDE CONTRACTION JOINT 5' OFF OF FACE OF BUILDING. C. EXCEPT AT FIRST PANEL FROM THE FACE OF BUILDING, CONCRETE PANEL LENGTH SHALL NOT EXCEED ITS WIDTH BY MORE THAN 25%. D. CONTRACTION JOINTS SHALL BE CUT TO A DEPTH D/4 FOR CONVENTIONAL CONCRETE, OR D/3 FOR FIBER REINFORCED CONCRETE. WIDTH OF SAW-CUT SHALL BE PER JOINT SEALANT MANUFACTURER'S RECOMMENDATIONS. E. ALL JOINTS SHALL BE CALKED -SIKASIL-728SL (SAWCUT JOINTS) -SIKAFLEX-1C/SL (EXPANSION JOINTS) -OR APPROVED EQUAL. F. CURB & GUTTER WITHIN CONCRETE PAVEMENT AREAS SHALL BE MONOLITHICALLY POURED OR SHALL BE TIED TO THE FIRST PANEL. <table><tr><th colspan="2">DOWEL SIZE AND SPACING AT CONSTRUCTION JOINTS</th></tr><tr><th>PAVEMENT DEPTH (INCH)</th><th>CONSTRUCTION JOINT DOWEL DIMENSIONS (INCH) DOWEL SPACING C-C (INCH)</th></tr><tr><td>5 TO <6</td><td>3/4 x 10 12</td></tr><tr><td>6 TO <8</td><td>1 x 13 12</td></tr><tr><td>8 TO <10</td><td>1-1/4 x 15 12</td></tr><tr><td>10 TO 12</td><td>1-1/2 x 18 12</td></tr></table> 3. PAVEMENT A. THE PAVEMENT MATERIALS SHALL BE AS DETAILED ON THE ENGINEERING PLANS. DEPTHS SPECIFIED SHALL BE CONSIDERED THE MINIMUM COMPACTED THICKNESS. 4. GENERAL A. 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 CLEAN THE BINDER COURSE PRIOR TO THE INSTALLATION OF THE FINAL BITUMINOUS CONCRETE SURFACE COURSE. ANY DAMAGE TO THE BINDER COURSE SHALL BE REPAIRED BY THE CONTRACTORS AT NO ADDITIONAL COST TO THE OWNER. C. PROVIDE CONSTRUCTION, EXPANSION AND CONTRACTION JOINTS FOR CURB AND GUTTER AND P.C.C. SIDEWALK PER IDOT STANDARDS AND MUNICIPAL STANDARDS. E. REMOVE ALL EXCESS MATERIALS AND DEBRIS. DISPOSE OF MATERIALS OFF-SITE AT NO ADDITIONAL COST TO THE OWNER. 5. TESTING AND FINAL ACCEPTANCE A. PRIOR TO THE PLACEMENT OF THE BASE COURSE, THE SUBGRADE MUST BE PROOF ROLLED AND INSPECTED FOR UNSUITABLE LOCATIONS. IF UNSUITABLE SUBGRADE IS ENCOUNTERED, IT SHALL BE REMOVED AND REPLACED WITH GRANULAR MATERIAL APPROVED BY THE OWNER OR HIS REPRESENTATIVE. THE SUBGRADE SHALL HAVE A MINIMUM IIR VALUE OF 3.0. B. PRIOR TO PLACEMENT OF THE BITUMINOUS CONCRETE SURFACE COURSE, THE CONTRACTOR SHALL OBTAIN SPECIMENS OF THE BINDER COURSE WITH A CORE DRILL WHERE DIRECTED AND AS REQUIRED. THE THICKNESS VERIFICATION BEZEL BE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION." C. FINAL ACCEPTANCE OF THE TOTAL PAVEMENT INSTALLATION SHALL BE SUBJECT TO THE TESTING AND VERIFICATION REQUIREMENTS CITED ABOVE. 6. METHOD OF MEASUREMENT A. CURB AND GUTTER AND BASE COURSE SHALL BE MEASURED IN THE FIELD BY THE CONTRACTOR. THE QUANTITIES SHALL BE SUBMITTED TO THE ENGINEER FOR VERIFICATION WHEN REQUESTED BY THE OWNER. B. WHEN REQUESTED BY THE OWNER, DOCUMENTATION FOR THE INSTALLED BASE COURSE, BITUMINOUS CONCRETE BINDER AND SURFACE COURSE, SHALL BE SUBMITTED TO THE ENGINEER FOR VERIFICATION AS REQUIRED BY THE MUNICIPALITY. WHERE DIRECTED, THE CONTRACTOR SHALL OBTAIN SPECIMENS OF THE BITUMINOUS CONCRETE WITH A CORE DRILL TO CONFIRM THE PLAN THICKNESS. DEFICIENCIES IN THICKNESS SHALL BE ADJUSTED BY THE METHOD DESCRIBED IN THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION." 7. IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO PROVIDE PROPER BARRICADING, WARNING DEVICES AND SAFE TRAFFIC MANAGEMENT WITHIN THE AREA OF CONSTRUCTION. ALL SUCH DEVICES AND THEIR INSTALLATION SHALL CONFORM TO THE ILLINOIS "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS," LATEST EDITION. THIS SHALL BE IN ACCORDANCE WITH THE SUBDIVISION CONTROL ORDINANCE OF THE MUNICIPALITY. 8. LONGITUDINAL JOINT CONSTRUCTION A. AS MANY LONGITUDINAL JOINTS AS PRACTICAL SHALL BE CLOSED AT THE END OF EACH DAY OF PAVING. A JACK COAT SHALL BE APPLIED TO THE "COLD" SIDE OF THE LONGITUDINAL JOINT PRIOR TO THE PLACEMENT OF THE HOT SIDE MAT. B. LONGITUDINAL JOINT CONSTRUCTION SHALL BE COMPLETED BEFORE THE "COLD" SIDE OF THE JOINT FALLS BELOW 200°F. C. IN THE EVENT THE TEMPERATURE OF THE "COLD" SIDE OF A JOINT FALLS BELOW 200°F PRIOR TO JOINT CONSTRUCTION COMPLETION, THE CONTRACTOR SHALL PERFORM THE FOLLOWING: 1. HEAT THE COLD SIDE JOINT TO 200°F EITHER BY MEANS OF A HAND TORCH OR AN INCREASED HEATER. THE CONTRACTOR SHALL AVOID BURNING THE ASPHALT DURING HEATING. 2. APPLY TACK COAT TO THE REHEATED JOINT PRIOR TO ASPHALT PLACEMENT. D. THE CONTRACTOR SHALL OFFSET SURFACE COURSE JOINTS FROM BINDER COURSE JOINTS, WHEREVER PRACTICABLE. 9. LONGITUDINAL JOINT DENSITY SPECIFICATIONS A. COMPLETED LONGITUDINAL JOINTS SHALL BE ASSESSED BASED ON SECTION 1030 OF THE STANDARD SPECIFICATIONS AND THE "HOT MIX ASPHALT - DENSITY TESTING OF LONGITUDINAL JOINTS" (BDE) AS FOLLOWS: LONGITUDINAL JOINT DENSITY TESTING SHALL BE PERFORMED AT EACH RANDOM DENSITY TEST LOCATION. LONGITUDINAL JOINT TESTING SHALL BE LOCATED AT A DISTANCE EQUAL TO THE LIFT THICKNESS OR A MINIMUM OF TWO INCHES FROM EACH PAVEMENT EDGE. IF, FOR A FOUR INCH LIFT, THE NEAR EDGE OF THE DENSITY GAUGE OR CORE BARREL SHALL BE WITHIN FOUR INCHES FROM THE EDGE OF PAVEMENT, LONGITUDINAL JOINT DENSITY TESTING SHALL BE PERFORMED USING EITHER A CORRELATED NUCLEAR GAUGE OR CORES. 1. CONFINED EDGE: EACH UNCONFINED EDGE DENSITY TEST SHALL BE REPRESENTED BY A ONE MINUTE NUCLEAR DENSITY READING OR A CORE DENSITY. THE TESTING SHALL BE INCLUDED IN THE AVERAGE OF DENSITY READINGS OR CORE DENSITIES TAKEN ACROSS THE MAT, WHICH REPRESENTS THE INDIVIDUAL TEST. 2. UNCONFINED EDGE: EACH UNCONFINED EDGE JOINT DENSITY TEST SHALL BE REPRESENTED BY AN AVERAGE OF TWO ONE MINUTE NUCLEAR DENSITY READINGS OR A SINGLE CORE DENSITY AT THE GIVEN DENSITY TEST LOCATION. THE TESTING SHALL MEET THE DENSITY REQUIREMENTS SPECIFIED HEREIN. THE THREE, ONE MINUTE READINGS SHALL BE SPACED TEN FEET APART LONGITUDINALLY ALONG THE UNCONFINED PAVEMENT EDGE AND CENTERED AT THE RANDOM DENSITY TEST LOCATION. DENSITY CONTROL LIMITS TABLE <table><tr><th>MIXTURE COMPOSITION</th><th>PARAMETER</th><th>INDIVIDUAL TEST (INCLUDES CONFINED EDGES)</th><th>UNCONFINED EDGE JOINT DENSITY MINIMUM</th></tr><tr><td rowspan="2">IL-9.5, IL12.5</td><td>Ndesign >= 90</td><td>92.0-96.0%</td><td>90%</td></tr><tr><td>Ndesign < 90</td><td>92.5-97.4%</td><td>90%</td></tr><tr><td rowspan="2">IL-9.5, IL19.0, IL-12.5</td><td>Ndesign >= 90</td><td>93.0-96.0%</td><td>90%</td></tr><tr><td>Ndesign < 90</td><td>93.0-97.4%</td><td>90%</td></tr><tr><td rowspan="2">IL-19.0, IL-25.0</td><td>Ndesign >= 90 & 80</td><td>93.5-97.4%</td><td>91%</td></tr><tr><td>Ndesign = 30</td><td>93.0-97.4%</td><td>90%</td></tr><tr><td colspan="2">ALL OTHER</td><td></td><td></td></tr></table>	DOWEL SIZE AND SPACING AT CONSTRUCTION JOINTS		PAVEMENT DEPTH (INCH)	CONSTRUCTION JOINT DOWEL DIMENSIONS (INCH) DOWEL SPACING C-C (INCH)	5 TO <6	3/4 x 10 12	6 TO <8	1 x 13 12	8 TO <10	1-1/4 x 15 12	10 TO 12	1-1/2 x 18 12	MIXTURE COMPOSITION	PARAMETER	INDIVIDUAL TEST (INCLUDES CONFINED EDGES)	UNCONFINED EDGE JOINT DENSITY MINIMUM	IL-9.5, IL12.5	Ndesign >= 90	92.0-96.0%	90%	Ndesign < 90	92.5-97.4%	90%	IL-9.5, IL19.0, IL-12.5	Ndesign >= 90	93.0-96.0%	90%	Ndesign < 90	93.0-97.4%	90%	IL-19.0, IL-25.0	Ndesign >= 90 & 80	93.5-97.4%	91%	Ndesign = 30	93.0-97.4%	90%	ALL OTHER				DEVELOPER: KARIS CRITICAL CONTACT: DAVID DIX 2150 GOODELLETTE-FRANK ROAD, SUITE 700 NAPLES, FLORIDA 34102 P: (407) 616-0398 GENERAL CONTRACTOR: DEVELOPMENT SOLUTIONS, INC. CONTACT: MICHAEL LONG, VP, INDUSTRIAL SERVICES 121 N. JEFFERSON, 1ST FLOOR CHICAGO, IL 60661 P: (312) 629-2800 ARCHITECT: CARLSON DESIGN GROUP CONTACT: GUY C. TORO R.A. 5550 PEACHTREE PARKWAY, SUITE 125 PEACHTREE CORNERS, GA 30092 P: (770) 217-7129 F: (313) 234-0800 CIVIL ENGINEER: JACOB AND HEFNER ASSOCIATES, INC. CONTACT: KRISTEN BRUNS, P.E. 1333 BUTTERFIELD ROAD, SUITE 300 DOWNERS GROVE, ILLINOIS 60515 P: (630) 652-4600 F: (630) 652-4601 CITY OF NAPERVILLE: CONTACT: ERIN VENARD 400 S. EAGLE STREET NAPERVILLE, ILLINOIS 60540 P: (630) 420-4101	1. ALL WATERMAIN COMPONENTS THAT COME INTO CONTACT WITH POTABLE WATER, INCLUDING BUT NOT LIMITED TO PIPES, COATINGS, JOINTS, FITTINGS, VALVES, AND APPURTENANCES, SHALL BE NSF 61 APPROVED. 2. WATER MAINS SHALL BE CONSTRUCTED OF DUCTILE IRON PIPE (DIP), CLASS 52, CONFORMING TO ANMA C-151 (ANSI A-21.51) WITH CEMENT MORTAR LINING AND BITUMINOUS SEAL COATING, INSPECTED FOR UNSUITABLE LOCATIONS. IF UNSUITABLE SUBGRADE IS ENCOUNTERED, IT SHALL BE REMOVED AND REPLACED WITH GRANULAR MATERIAL APPROVED BY THE OWNER OR HIS REPRESENTATIVE. THE SUBGRADE SHALL HAVE A MINIMUM IIR VALUE OF 3.0. 3. THE JOINTS SHALL BE PUSH-ON JOINTS CONFORMING TO ANSI A-2111 (ANMA C-111) AND ALL RETURNING GLANDS SHALL BE SET SCREW OR MEGA-LUG TYPE. WATER MAIN FITTINGS SHALL BE OF DUCTILE IRON WITH CEMENT MORTAR LINING AND SEAL COATING WITH PUSH-ON JOINTS, CONFORMING TO ANSI 61.10 (ANMA C-110). 4. THRUST BLOCKING OR RESTRAINED JOINTS SHALL BE INSTALLED ON ALL WATER MAINS AT ALL BENDS, TEES, ELBOWS, ETC. 5. DISTRIBUTION SYSTEM VALVES SHALL BE RESILIENT SEAT VALVE, CONFORMING TO ANMA C-509, LATEST STANDARDS AND SHALL BE APPROVED BY THE MUNICIPALITY. EACH VALVE SHALL BE INSTALLED IN A VALVE VAULT OR BOX OF SIZE SHOWN ON THE PLANS. THE LIDS SHALL BE NEENAH R-1713-B OR APPROVED EQUAL. LETTERING ON THE CAST IRON FRAME AND LID SHALL INDICATE "WATER" AND THE MUNICIPALITY NAME. 6. A MINIMUM DEPTH OF COVER OF 5'-6" SHALL BE MAINTAINED OVER THE WATER LINES. 7. ALL WATER MAINS SHALL BE PRESSURE TESTED, FLUSHED AND DISINFECTED IN ACCORDANCE WITH ANMA SPECIFICATIONS. EACH VALVE SECTION SHALL BE PRESSURE TESTED TO A MINIMUM OF FORTY HOURS. THE ONLY ALLOWABLE LEAKAGE IS AS PREDETERMINED BY THE STANDARD SPECIFICATIONS FOR SEWER AND WATER MAIN CONSTRUCTION IN ILLINOIS. AT NO TIME IS THERE TO BE ANY VISIBLE LEAKAGE FROM THE MAIN. 8. FIRE HYDRANTS SHALL BE INSTALLED WITH AN AUXILIARY VALVE WITH CAST IRON VALVE BOX. FIRE HYDRANTS SHALL CONFORM TO MEET ALL REQUIREMENTS DESCRIBED IN THE SUBDIVISION CONTROL ORDINANCE OF THE MUNICIPALITY. THE HYDRANT SHALL FACE THE ROADWAY. THE FIRE HYDRANTS SHALL BE PAINTED PER THE MUNICIPALITY. THE VALVE BOX LID SHALL HAVE WORD "WATER" EMBOSSED ON THE LID. 9. MAXIMUM DEFLECTION AT PIPE JOINTS SHALL BE IN ACCORDANCE WITH CURRENT MANUFACTURER'S DATA AND THE ANMA SPECIFICATIONS. 10. BEDDING, HAUNCHING, AND INITIAL BACKFILL FOR NEW WATER MAINS SHALL CONSIST OF COMPACTED CRUSHED GRAVEL OR STONE. BEDDING MATERIAL DEPTH SHALL BE A MINIMUM OF FOUR INCHES BELOW PIPE AND INITIAL BACKFILL DEPTH SHALL BE 6" ABOVE PIPE, OR AS REQUIRED BY THE MUNICIPALITY. 11. IEPA WATER MAIN PROTECTION A. WATER MAINS: 1. HORIZONTAL SEPARATION: a) WATER MAINS SHALL BE LAID AT LEAST 10 FEET HORIZONTALLY FROM ANY EXISTING OR PROPOSED DRAIN, STORM SEWER, SANITARY SEWER OR SEWER SERVICES CONNECTION. b) WATER MAINS MAY BE LAID CLOSER THAN 10 FEET TO A SEWER LINE WHEN: 1) LOCAL CONDITIONS PREVENT A LATERAL SEPARATION OF 10 FEET 2) THE WATER MAIN INVERT IS AT LEAST 18 INCHES ABOVE THE CROWN OF THE SEWER 3) THE WATER MAIN IS IN A SEPARATE TRENCH. 2. VERTICAL SEPARATION: a) A WATER MAIN SHALL BE LAID SO THAT ITS INVERT IS 18 INCHES ABOVE THE CROWN OF THE DRAIN OR SEWER, WHENEVER WATER MAINS CROSS STORM SEWERS, SANITARY SEWERS OR SEWER SERVICES CONNECTIONS. THE VERTICAL SEPARATION SHALL BE MAINTAINED FOR THE PORTION OF THE WATER MAIN LOCATED WITHIN 10 FEET HORIZONTALLY OF ANY SEWER OR DRAIN CROSSED. A LENGTH OF WATER MAIN PIPE SHALL BE CENTERED OVER THE SEWER TO BE CROSSED WITH JOINTS EQUIDISTANT FROM THE SEWER OR DRAIN. b) IF IT IS IMPOSSIBLE TO OBTAIN THE PROPER VERTICAL SEPARATION AS DESCRIBED IN (a) OR (b) THE WATER
MIXTURE COMPOSITION	PARAMETER	INDIVIDUAL TEST (INCLUDES CONFINED EDGES)	UNCONFINED EDGE JOINT DENSITY MINIMUM																																																																															
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EXISTING CONDITIONS & DEMOLITION PLAN - OVERALL			
1960 WEST LUCENT LANE			
NAPERVILLE, ILLINOIS			
KARIS CRITICAL			
No.	Description	Date	
4	REVISED PER CITY COMMENTS	09/26/25	
3	REVISED PER CITY COMMENTS	07/31/25	
2	REVISED PER CITY COMMENTS	6/12/25	
1	ORIGINAL PLAN DATE	4/7/25	

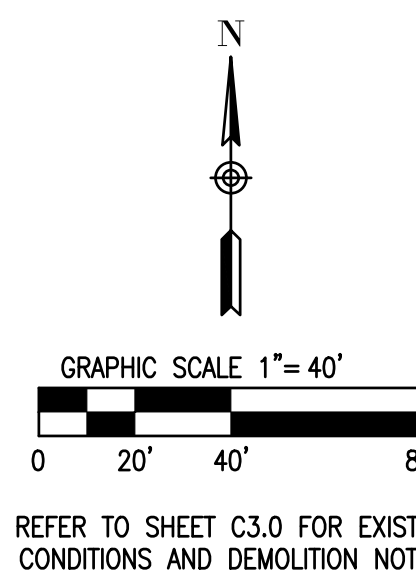
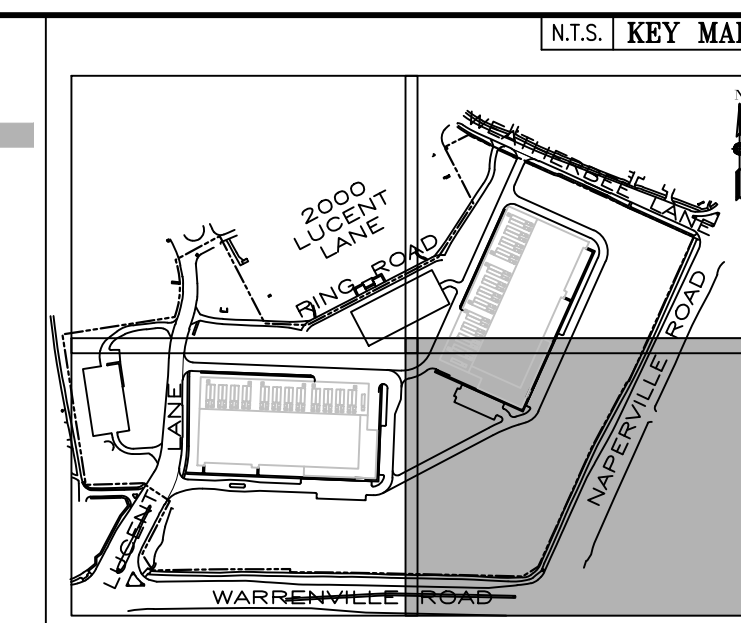
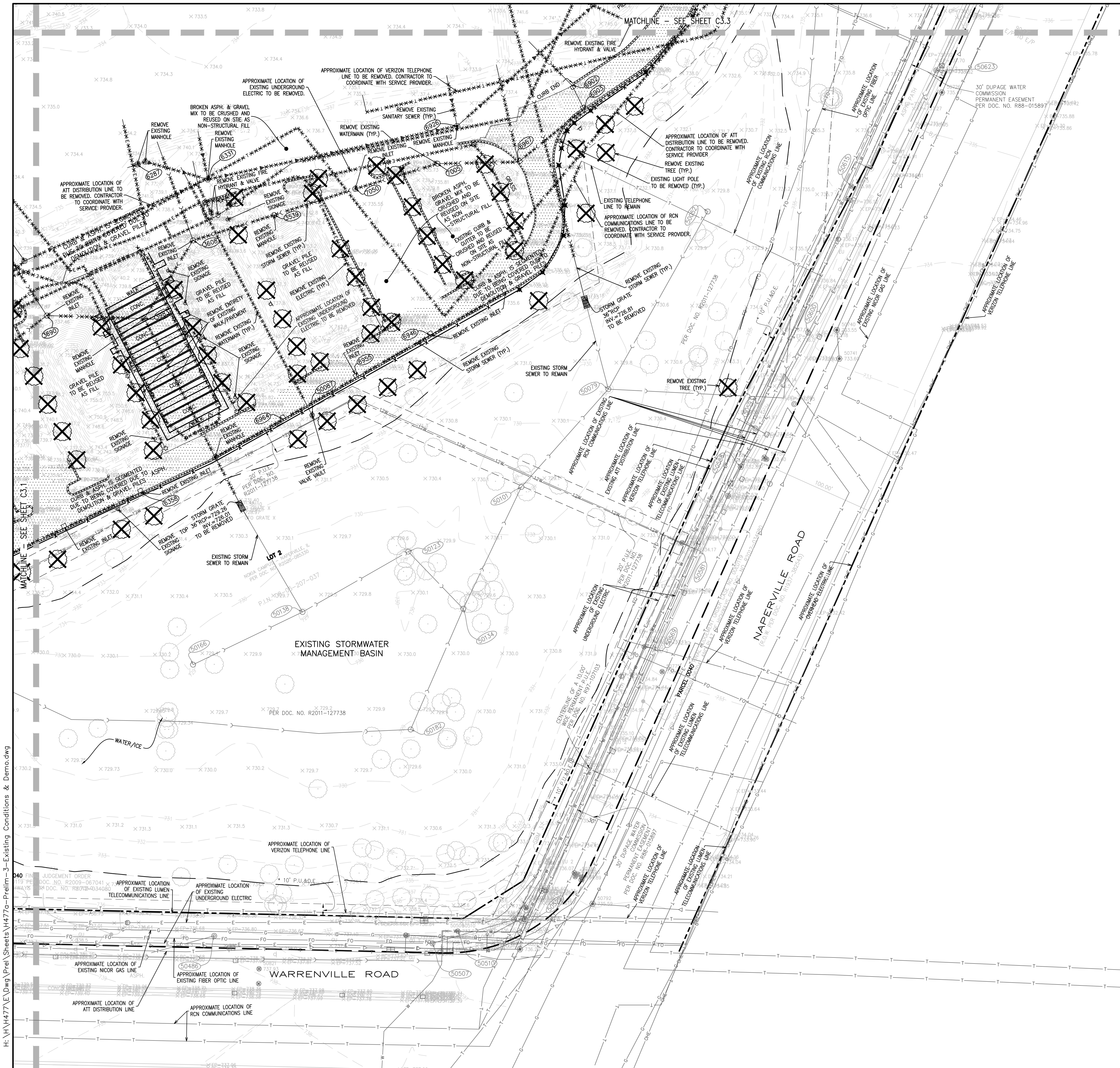
JACOB & HEFNER ASSOCIATES

1333 Butterfield Rd, Suite 300, Downers Grove, IL 60515
PHONE: (630) 652-4600, FAX: (630) 652-4601
www.jacobandhefner.com

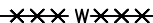
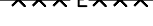
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1" = 80'

C3.0



DEMOLITION LEGEND

-  DENOTES EXISTING PAVEMENT TO BE CRUSHED AND REUSED ON SITE AS FILL IN NON-STRUCTURAL AREAS.
-  DENOTES EXISTING TREES & BRUSH REMOVAL.
-   DENOTES EXISTING TREE REMOVAL.
-  DENOTES EXISTING CURB & GUTTER TO BE CRUSHED AND REUSED ON SITE AS FILL IN NON-STRUCTURAL AREAS.
-  *DENOTES EXISTING STORM SEWER REMOVAL.
-  *DENOTES EXISTING SANITARY SEWER REMOVAL.
-  *DENOTES EXISTING WATERMAIN REMOVAL.
-  *DENOTES EXISTING TELECOMMUNICATIONS REMOVAL.
-  *DENOTES EXISTING ELECTRIC REMOVAL.
-  *CONTRACTOR TO DISPOSE OF ALL WASTE MATERIAL OFF-SITE

WATER STRUCTURE TABLE – SHEET C3.2

STRUCTURE#	TYPE	RIM ELEVATION	INVERT
50510	WATER VALVE VAULT	737.04	TOP OF WATER=728.49 WATER FILLED-NO ACCESSIBLE PIPES
50569	WATER VALVE VAULT	734.22	TOP +18"DIP SW-NE=727.37
50615	WATER VALVE VAULT	735.98	TOP 18"DIP E-W=730.88
50581	WATER VALVE VAULT	734.32	TOP +18"DIP N-S=728.32
50087	WATER VALVE VAULT	736.24	TOP DIP NW-SE=727.94 WATER LINE=730.04

SANITARY STRUCTURE TABLE – SHEET C3.2

STRUCTURE#	TYPE	RIM ELEVATION	INVERT
6331	SANITARY MANHOLE	737.12	LID FROZEN—NOT ACCESSIBLE
50588	SANITARY MANHOLE	732.85	(E-W)12"DI=724.70
6926	SANITARY MANHOLE	735.95	(N)8"PVC=726.90 (NW-SE)12"PVC=725.10

STORM STRUCTURE TABLE – SHEET C3.2

STRUCTURE#	TYPE	RIM ELEVATION	INVERT
6358	STORM INLET	734.85	LID FROZEN-NOT ACCESSIBLE
6287	STORM MANHOLE	739.33	I(W)6"VERT. PIPE=727.53 TOP OF 6" PIPE=732.18
50507	STORM MANHOLE	737.23	I(E-W)36"RCP=728.93
50486	STORM MANHOLE	737.13	I(SW)+36"RCP-OFFSET-NOT ACCESSIBLE NO OTHER ACCESSIBLE PIPES
50522	STORM MANHOLE	736.52	I(SW-NE)36"RCP=728.17
50593	STORM MANHOLE	734.10	I(E)18"RCP-OFFSET-NOT ACCESSIBLE I(W)18"RCP=726.80 NO OTHER VISIBLE PIPES
50600	STORM MANHOLE	735.26	I(E)18"RCP-OFFSET-NOT ACCESSIBLE I(W)18"RCP=726.36
50623	STORM MANHOLE	737.28	I(N,E)12"RCP=729.28 I(S)18"RCP=729.28
7005	STORM INLET	735.11	SILT TRAP FULL-NOT ACCESSIBLE
7050	STORM INLET	735.14	I(SW-NE)18"RCP=731.04
6967	STORM INLET	735.33	LID FROZEN-NOT ACCESSIBLE
6903	STORM INLET	737.36	LID FROZEN-NOT ACCESSIBLE
6964	STORM INLET	734.83	LID FROZEN-NOT ACCESSIBLE
6902	STORM INLET	737.23	LID FROZEN-NOT ACCESSIBLE
3539	STORM INLET	735.09	I(E-W)18"RCP=730.44
3608	STORM INLET	737.31	I(N)12"PVC=731.81 I(E)18"RCP=729.41 I(SW)24"RCP=729.41
3983	STORM MANHOLE	739.11	I(NE,NW)24"RCP=728.86 I(E)36"RCP=728.86
3690	STORM INLET	737.41	SILT TRAP FROZEN IN STRUCTURE-NOT ACCESSIBLE
6955	STORM INLET	734.90	LID FROZEN-NOT ACCESSIBLE
6946	STORM INLET	734.79	LID FROZEN-NOT ACCESSIBLE
50166	STORM INLET-BEEHIVE	728.93	I(NE)16"PVC=726.48
50138	STORM INLET-BEEHIVE	728.89	I(NE)10"PVC=726.24 I(SW)6"PVC=726.24
50123	STORM INLET-BEEHIVE	728.83	I(SE,SW)10"PVC=725.35
50134	STORM INLET-BEEHIVE	728.94	I(NE,NW)10"PVC=725.64 I(SW)10"PVC-NOT ACCESSIBLE
50182	STORM INLET-BEEHIVE	728.84	I(NE,W)10"CLAY=726.09
50101	STORM INLET-BEEHIVE	728.80	I(NE,SW)10"PVC=725.45
50079	STORM INLET-BEEHIVE	728.85	I(NE,SW)10"PVC=725.30
50052	STORM INLET-BEEHIVE	728.93	I(SW)10"PVC=725.78

TO
AS

**EXISTING CONDITIONS &
DEMOLITION PLAN - SOUTHEAST**

60 WEST LUCENT LANE

00 WEST LOUCENI LA
NAPERVILLE, ILLINOIS

KARIS CRITICAL

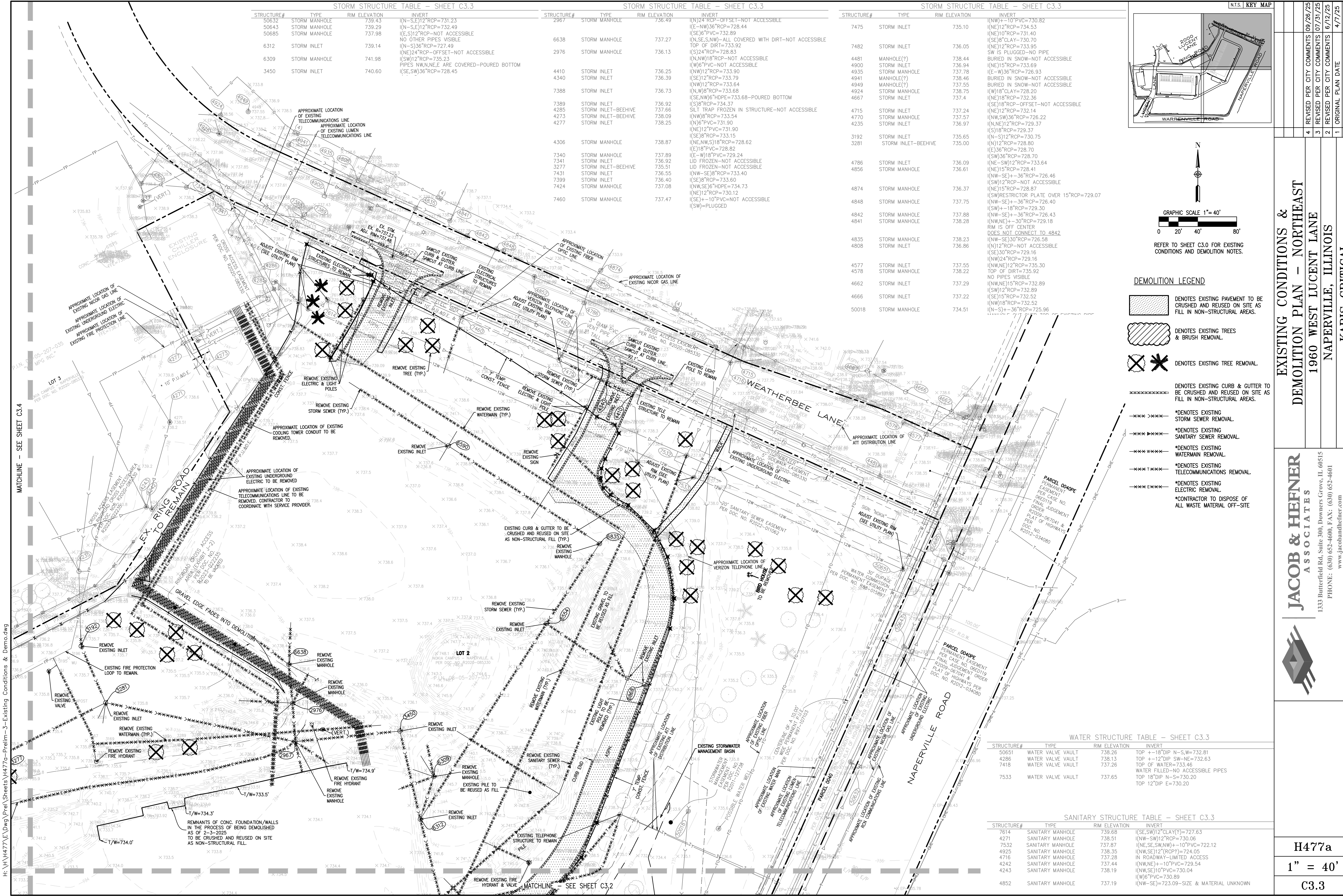
JACOB & HEFFNER
ASSOCIATES



H477a

$$1'' = 40'$$

C3.2

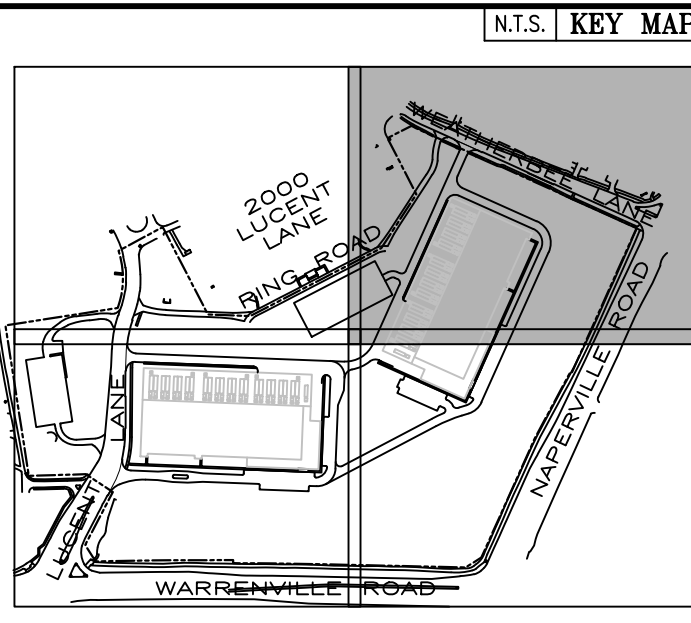


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STORM STRUCTURE TABLE - SHEET C3.3			
STRUCTURE#	TYPE	RIM ELEVATION	INVERT
50632	STORM MANHOLE	739.43	(N-S,E)12"RCP=731.23
50643	STORM MANHOLE	739.29	(N-S,E)12"RCP=732.49
50685	STORM MANHOLE	737.98	(E-S)12"RCP-NOT ACCESSIBLE NO OTHER PIPES VISIBLE
6312	STORM INLET	739.14	(N-S)36"RCP=727.49
6309	STORM MANHOLE	741.98	(NE)24"RCP-OFFSET-NOT ACCESSIBLE (SW)12"RCP=735.23 PIPES NW,N,NE,E ARE COVERED-POURED BOTTOM
3450	STORM INLET	740.60	(SE,SW)36"RCP=728.45

STORM STRUCTURE TABLE - SHEET C3.3			
STRUCTURE#	TYPE	RIM ELEVATION	INVERT
2967	STORM MANHOLE	736.49	(N)24"RCP-OFFSET-NOT ACCESSIBLE (E-W)36"RCP=728.44 (SE)6"PVC=732.89
6638	STORM MANHOLE	737.27	(N,SE,S,W)-ALL COVERED WITH DIRT-NOT ACCESSIBLE TOP OF DIRT=733.92
2976	STORM MANHOLE	736.13	(S)24"RCP=728.83 (N,N,W)18"RCP-NOT ACCESSIBLE (W)6"PVC-NOT ACCESSIBLE (NW)12"RCP=733.90 (SE)12"RCP=733.79 (NW)12"RCP=733.64 (N,W)8"RCP=733.68 (SE,NW)6"HDPE=733.68-POURED BOTTOM (S)8"RCP=734.37 SILT TRAP FROZEN IN STRUCTURE-NOT ACCESSIBLE (NW)8"RCP=733.54 (N)6"PVC=731.90 (NE)12"RCP=731.90 (SE)8"RCP=733.15 (NE,NW,S)18"RCP=728.62 (E)18"PVC=728.82 (E-W)18"PVC=729.24 LID FROZEN-NOT ACCESSIBLE LID FROZEN-NOT ACCESSIBLE (NW-SE)8"RCP=733.40 (SE)8"RCP=733.60 (NW,SE)6"HDPE=734.73 (NW)12"RCP=730.12 (SE)+-10"PVC-NOT ACCESSIBLE (SW)=PLUGGED
4410	STORM INLET	736.25	
4340	STORM INLET	736.39	
7388	STORM INLET	736.73	
7389	STORM INLET	736.92	
4285	STORM INLET-BEEHIVE	737.66	
4273	STORM INLET-BEEHIVE	738.09	
4277	STORM INLET	738.25	
4306	STORM MANHOLE	738.87	
7340	STORM MANHOLE	737.89	
7341	STORM INLET	736.92	
3277	STORM INLET-BEEHIVE	735.51	
7431	STORM INLET	736.55	
7399	STORM INLET	736.40	
7424	STORM MANHOLE	737.08	
7460	STORM MANHOLE	737.47	

STORM STRUCTURE TABLE - SHEET C3.3			
STRUCTURE#	TYPE	RIM ELEVATION	INVERT
7475	STORM INLET	735.10	(NW)+-10"PVC=730.82 (NE)12"RCP=734.53 (NW)10"RCP=731.40 (SE)8"CLAY=730.70 (NE)12"RCP=733.95 SW IS PLUGGED-NO PIPE BURIED IN SNOW-NOT ACCESSIBLE (NE)15"RCP=733.69 (E-W)36"RCP=726.93 BURIED IN SNOW-NOT ACCESSIBLE BURIED IN SNOW-NOT ACCESSIBLE (W)18"CLAY=728.20 (NE)18"RCP=732.36 (SE)18"RCP-OFFSET-NOT ACCESSIBLE (NE)12"RCP=732.14 (NW,SW)36"RCP=726.22 (N,NE)12"RCP=729.37 (S)18"RCP=729.37 (N-S)12"RCP=730.75 (N)12"RCP=728.80 (E)36"RCP=728.70 (SW)36"RCP=728.70 (NE-SW)12"RCP=733.64 (NE)15"RCP=728.41 (NW-SE)+-36"RCP=726.46 (SW)12"RCP-NOT ACCESSIBLE (NE)15"RCP=728.87 (SW)RESTRICTOR PLATE OVER 15"RCP=729.07 (NW-SE)+-36"RCP=726.40 (SW)+-18"RCP=729.30 (NW-SE)+-36"RCP=726.43 (NW,NE)+-30"RCP=729.18 RIM IS OFF CENTER DOES NOT CONNECT TO 4842 (NW-SE)30"RCP=726.58 (N)12"RCP-NOT ACCESSIBLE (SE)30"RCP=729.16 (NW)24"RCP=728.16 (NW,NE)12"RCP=735.30 TOP OF DIRT=735.92 NO PIPES VISIBLE (NW,NE)15"RCP=732.89 (SW)12"RCP=732.89 (SE)15"RCP=732.52 (NW)18"RCP=732.52 (N-S)+-36"RCP=725.96
7482	STORM INLET	736.05	
4481	MANHOLE(?)	738.44	
4900	STORM INLET	736.94	
4935	STORM MANHOLE	737.78	
4941	MANHOLE(?)	738.46	
4949	MANHOLE(?)	737.55	
4924	STORM MANHOLE	738.75	
4667	STORM INLET	737.4	
4715	STORM INLET	737.24	
4770	STORM MANHOLE	737.57	
4235	STORM INLET	736.97	
3192	STORM INLET	735.65	
3281	STORM INLET-BEEHIVE	735.00	
4786	STORM INLET	736.09	
4856	STORM MANHOLE	736.61	
4874	STORM MANHOLE	736.37	
4848	STORM MANHOLE	737.75	
4842	STORM MANHOLE	737.88	
4841	STORM MANHOLE	738.28	
4835	STORM MANHOLE	738.23	
4808	STORM INLET	736.86	
4577	STORM INLET	737.55	
4578	STORM MANHOLE	738.22	
4662	STORM INLET	737.29	
4666	STORM INLET	737.22	
50018	STORM MANHOLE	734.51	



- DEMOLITION LEGEND**
- DENOTES EXISTING PAVEMENT TO BE CRUSHED AND REUSED ON SITE AS FILL IN NON-STRUCTURAL AREAS.
 - DENOTES EXISTING TREES & BRUSH REMOVAL.
 - DENOTES EXISTING TREE REMOVAL.
 - DENOTES EXISTING CURB & GUTTER TO BE CRUSHED AND REUSED ON SITE AS FILL IN NON-STRUCTURAL AREAS.
 - *DENOTES EXISTING STORM SEWER REMOVAL.
 - *DENOTES EXISTING SANITARY SEWER REMOVAL.
 - *DENOTES EXISTING WATERMAIN REMOVAL.
 - *DENOTES EXISTING TELECOMMUNICATIONS REMOVAL.
 - *DENOTES EXISTING ELECTRIC REMOVAL.
 - *CONTRACTOR TO DISPOSE OF ALL WASTE MATERIAL OFF-SITE

WATER STRUCTURE TABLE - SHEET C3.3			
STRUCTURE#	TYPE	RIM ELEVATION	INVERT
50651	WATER VALVE VAULT	738.26	TOP +-18"DIP N-S,W=732.81
4286	WATER VALVE VAULT	738.13	TOP +-12"DIP SW-NE=732.63
7418	WATER VALVE VAULT	737.26	TOP OF WATER=733.46 WATER FILLED-NO ACCESSIBLE PIPES TOP 18"DIP N-S=730.20 TOP 12"DIP E=730.20
7533	WATER VALVE VAULT	737.65	

SANITARY STRUCTURE TABLE - SHEET C3.3			
STRUCTURE#	TYPE	RIM ELEVATION	INVERT
7614	SANITARY MANHOLE	739.68	(SE,SW)12"CLAY(?)=727.63
4271	SANITARY MANHOLE	738.51	(NW-SW)12"RCP=730.06
7532	SANITARY MANHOLE	737.87	(NE,SE,SW,NW)+-10"PVC=722.12
4925	SANITARY MANHOLE	738.35	(NW,SE)12"(RCP)=724.05
4716	SANITARY MANHOLE	737.28	IN ROADWAY-LIMITED ACCESS
4242	SANITARY MANHOLE	737.44	(NW,NE)+-10"PVC=729.54 (NW,SE)10"PVC=730.04 (W)6"PVC=730.89 (NW-SE)=723.09-SIZE & MATERIAL UNKNOWN
4852	SANITARY MANHOLE	737.19	

EXISTING CONDITIONS & DEMOLITION PLAN - NORTHEAST

1960 WEST LUCENT LANE

NAPERVILLE, ILLINOIS

KARIS CRITICAL

JACOB & HEFNER ASSOCIATES

1333 Butterfield Rd, Suite 300, Downers Grove, IL 60515

PHONE: (630) 652-4600, FAX: (630) 652-4601

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4 REVISED PER CITY COMMENTS 09/26/25

3 REVISED PER CITY COMMENTS 07/31/25

2 REVISED PER CITY COMMENTS 6/12/25

1 ORIGINAL PLAN DATE 4/7/25

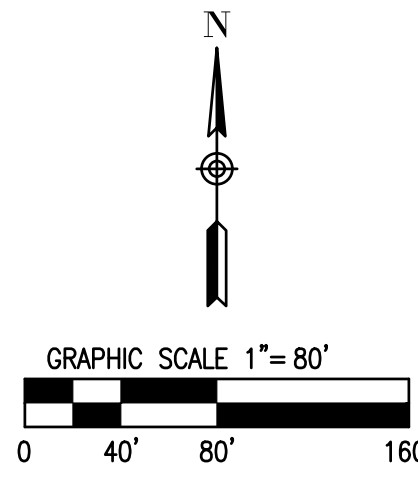
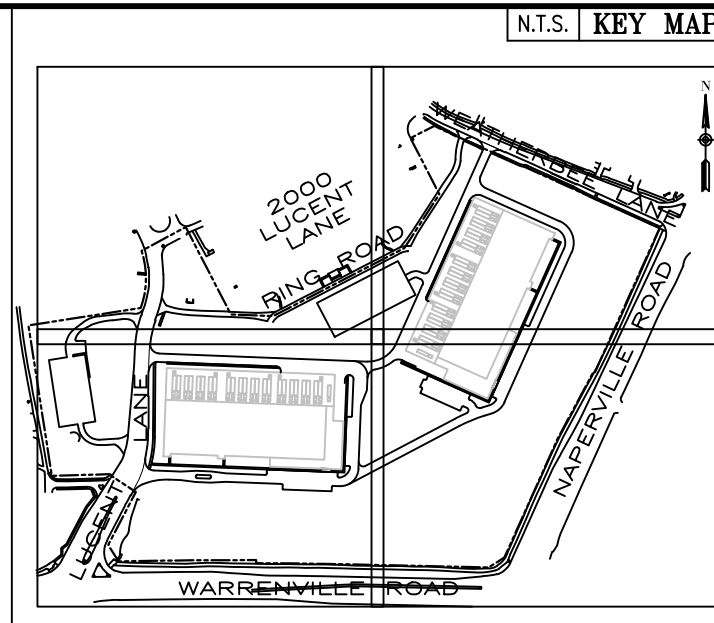
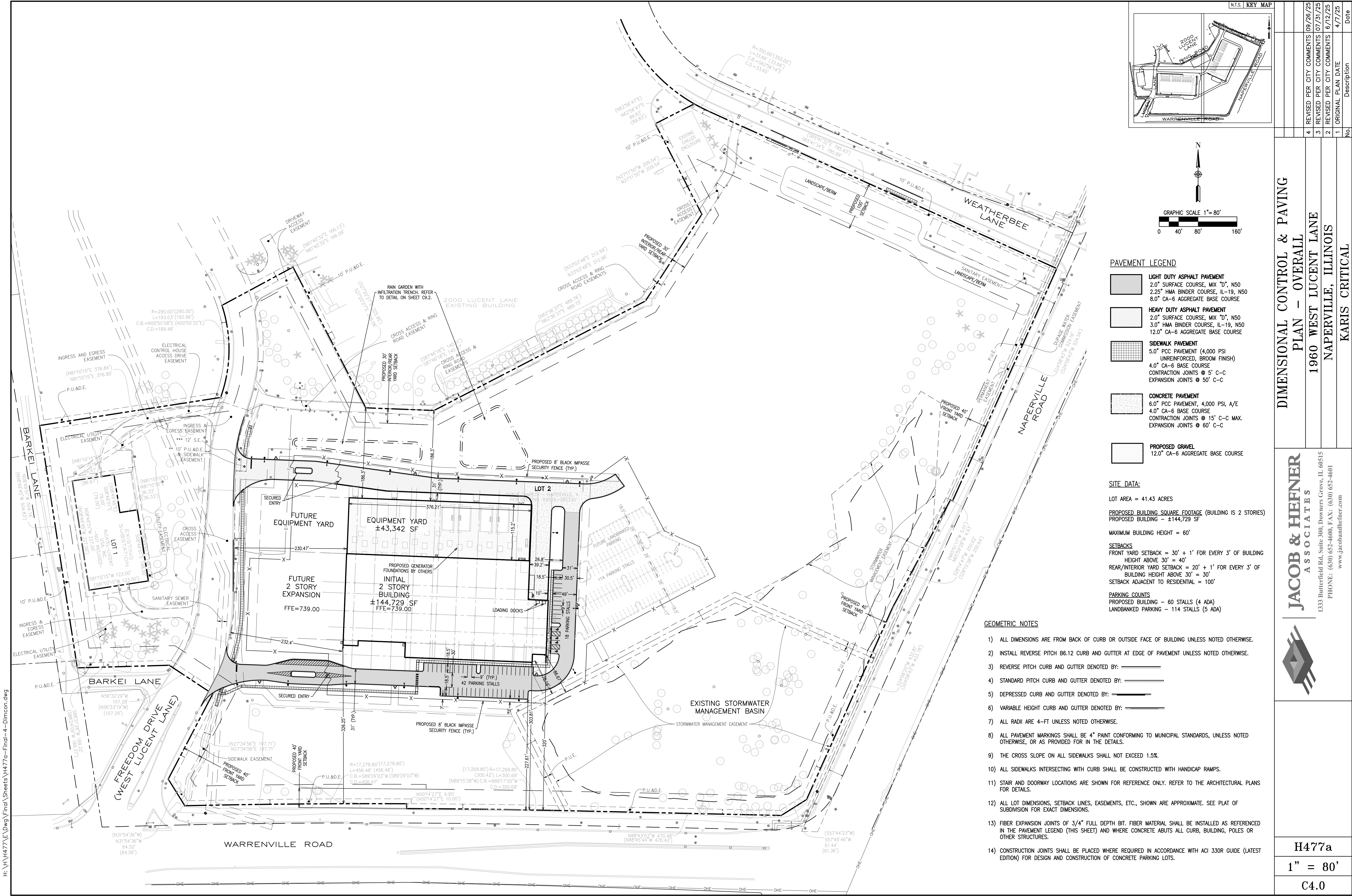
No. Description

H477a

1" = 40'

C3.3

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- PAVEMENT LEGEND**
- LIGHT DUTY ASPHALT PAVEMENT**
2.0" SURFACE COURSE, MIX "D", N50
2.25" HMA BINDER COURSE, IL-19, N50
8.0" CA-6 AGGREGATE BASE COURSE
 - HEAVY DUTY ASPHALT PAVEMENT**
2.0" SURFACE COURSE, MIX "D", N50
3.0" HMA BINDER COURSE, IL-19, N50
12.0" CA-6 AGGREGATE BASE COURSE
 - SIDEWALK PAVEMENT**
5.0" PCC PAVEMENT (4,000 PSI)
UNREINFORCED, BROOM FINISH
4.0" CA-6 BASE COURSE
CONTRACTION JOINTS @ 5' C-C
EXPANSION JOINTS @ 50' C-C
 - CONCRETE PAVEMENT**
6.0" PCC PAVEMENT, 4,000 PSI, A/E
4.0" CA-6 BASE COURSE
CONTRACTION JOINTS @ 15' C-C MAX.
EXPANSION JOINTS @ 60' C-C
 - PROPOSED GRAVEL**
12.0" CA-6 AGGREGATE BASE COURSE

SITE DATA:

LOT AREA = 41.43 ACRES

PROPOSED BUILDING SQUARE FOOTAGE (BUILDING IS 2 STORIES)
PROPOSED BUILDING - ±144,729 SF

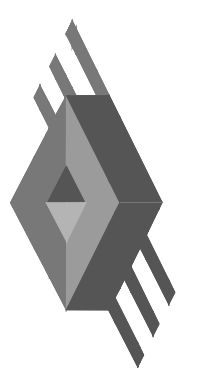
MAXIMUM BUILDING HEIGHT = 60'

SETBACKS
FRONT YARD SETBACK = 30' + 1' FOR EVERY 3' OF BUILDING HEIGHT ABOVE 30' = 40'
REAR/INTERIOR YARD SETBACK = 20' + 1' FOR EVERY 3' OF BUILDING HEIGHT ABOVE 30' = 30'
SETBACK ADJACENT TO RESIDENTIAL = 100'

PARKING COUNTS
PROPOSED BUILDING - 60 STALLS (4 ADA)
LANDBANKED PARKING - 114 STALLS (5 ADA)

- GEOMETRIC NOTES**
- ALL DIMENSIONS ARE FROM BACK OF CURB OR OUTSIDE FACE OF BUILDING UNLESS NOTED OTHERWISE.
 - INSTALL REVERSE PITCH B6.12 CURB AND GUTTER AT EDGE OF PAVEMENT UNLESS NOTED OTHERWISE.
 - REVERSE PITCH CURB AND GUTTER DENOTED BY: _____
 - STANDARD PITCH CURB AND GUTTER DENOTED BY: _____
 - DEPRESSED CURB AND GUTTER DENOTED BY: _____
 - VARIABLE HEIGHT CURB AND GUTTER DENOTED BY: _____
 - ALL RADII ARE 4-FT UNLESS NOTED OTHERWISE.
 - ALL PAVEMENT MARKINGS SHALL BE 4" PAINT CONFORMING TO MUNICIPAL STANDARDS, UNLESS NOTED OTHERWISE, OR AS PROVIDED FOR IN THE DETAILS.
 - THE CROSS SLOPE ON ALL SIDEWALKS SHALL NOT EXCEED 1.5%.
 - ALL SIDEWALKS INTERSECTING WITH CURB SHALL BE CONSTRUCTED WITH HANDICAP RAMPS.
 - STAIR AND DOORWAY LOCATIONS ARE SHOWN FOR REFERENCE ONLY. REFER TO THE ARCHITECTURAL PLANS FOR DETAILS.
 - ALL LOT DIMENSIONS, SETBACK LINES, EASEMENTS, ETC., SHOWN ARE APPROXIMATE. SEE PLAT OF SUBDIVISION FOR EXACT DIMENSIONS.
 - FIBER EXPANSION JOINTS OF 3/4" FULL DEPTH BIT. FIBER MATERIAL SHALL BE INSTALLED AS REFERENCED IN THE PAVEMENT LEGEND (THIS SHEET) AND WHERE CONCRETE ABUTS ALL CURB, BUILDING, POLES OR OTHER STRUCTURES.
 - CONSTRUCTION JOINTS SHALL BE PLACED WHERE REQUIRED IN ACCORDANCE WITH ACI 330R GUIDE (LATEST EDITION) FOR DESIGN AND CONSTRUCTION OF CONCRETE PARKING LOTS.

DIMENSIONAL CONTROL & PAVING	
PLAN - OVERALL	
1960 WEST LUCENT LANE	
NAPERVILLE, ILLINOIS	
KARIS CRITICAL	
No.	Description
4	REVISED PER CITY COMMENTS 09/26/25
3	REVISED PER CITY COMMENTS 07/31/25
2	REVISED PER CITY COMMENTS 6/12/25
1	ORIGINAL PLAN DATE 4/7/25
Date	



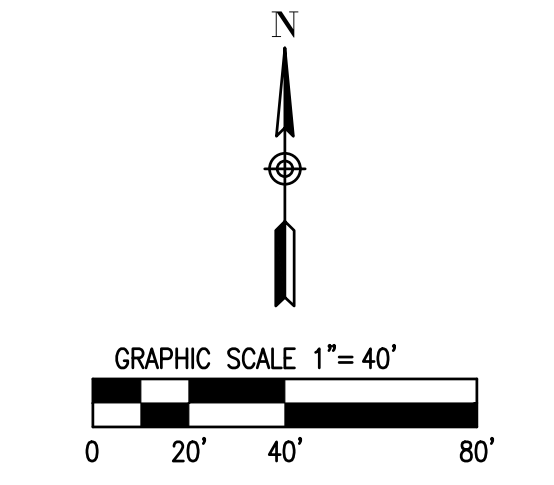
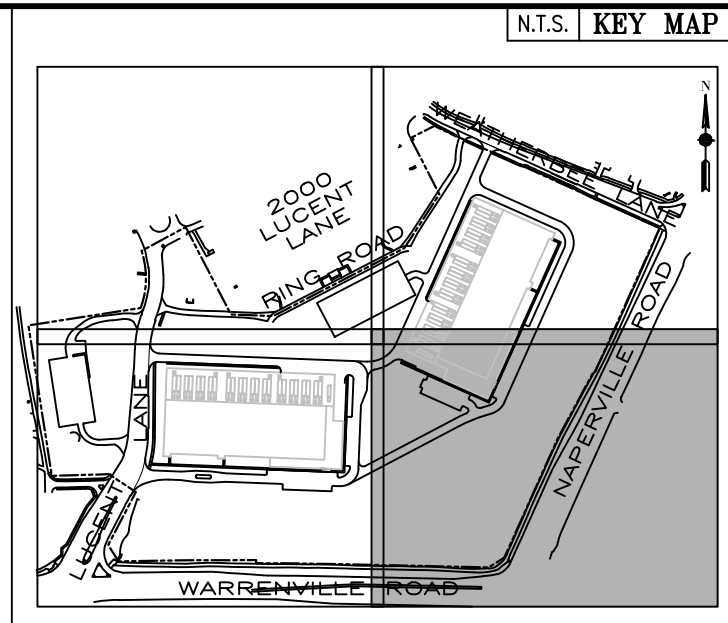
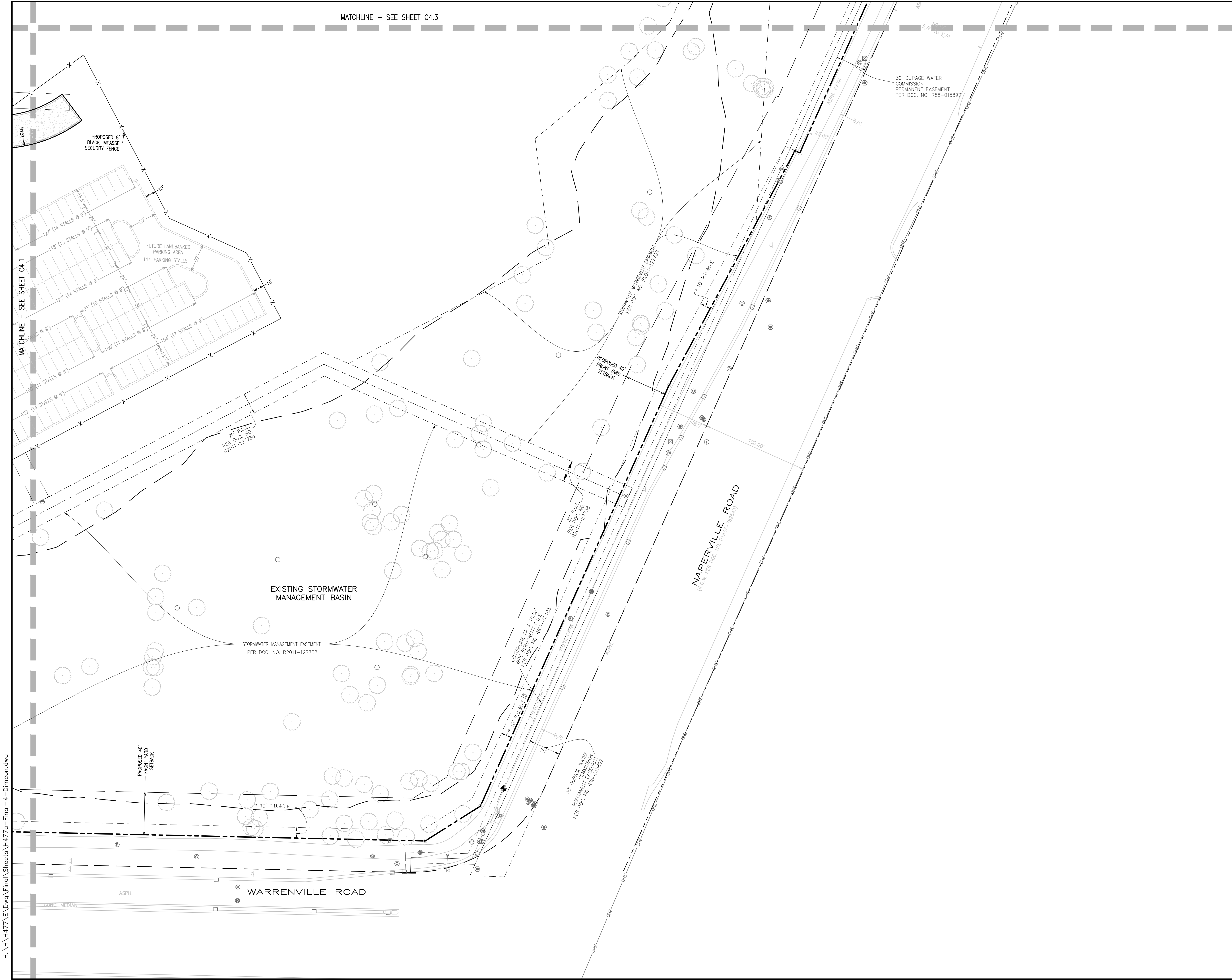
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H477a

1" = 80'

C4.0

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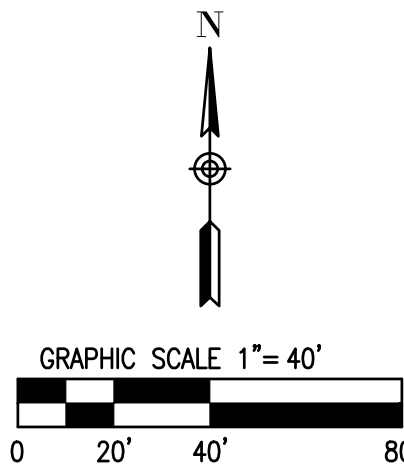
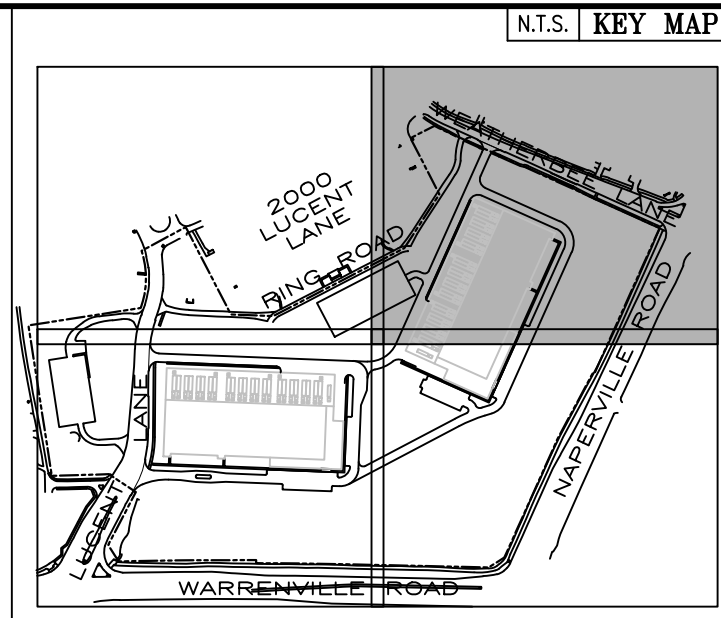
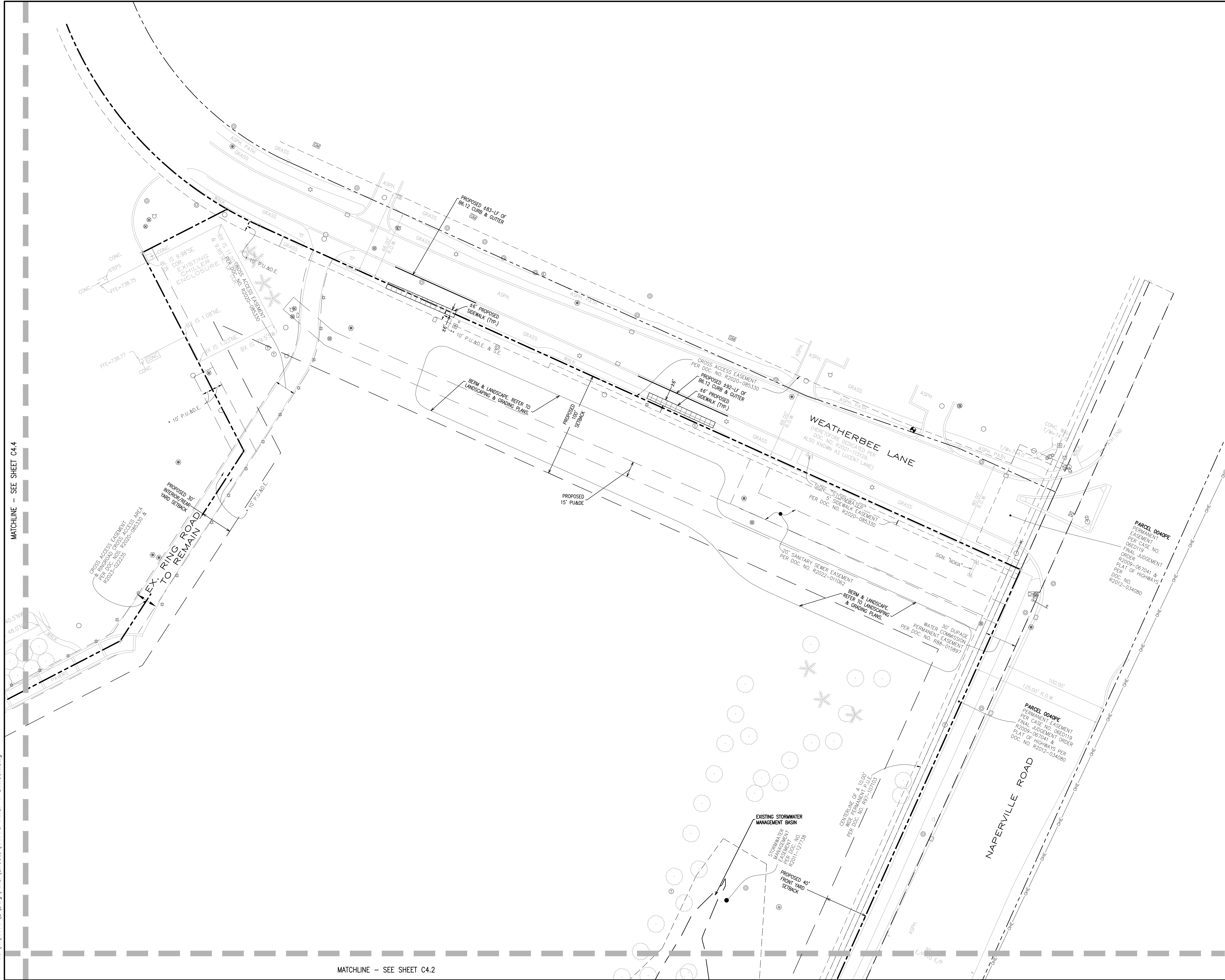
REFER TO SHEET C4.0 FOR GEOMETRIC NOTES.

- PAVEMENT LEGEND**
- LIGHT DUTY ASPHALT PAVEMENT**
2.0" SURFACE COURSE, MIX "D", N50
2.25" HMA BINDER COURSE, IL-19, N50
8.0" CA-6 AGGREGATE BASE COURSE
 - HEAVY DUTY ASPHALT PAVEMENT**
2.0" SURFACE COURSE, MIX "D", N50
3.0" HMA BINDER COURSE, IL-19, N50
12.0" CA-6 AGGREGATE BASE COURSE
 - SIDEWALK PAVEMENT**
5.0" PCC PAVEMENT (4,000 PSI UNREINFORCED, BROOM FINISH)
4.0" CA-6 BASE COURSE
CONTRACTION JOINTS @ 5' C-C
EXPANSION JOINTS @ 50' C-C
 - CONCRETE PAVEMENT**
6.0" PCC PAVEMENT, 4,000 PSI, A/E
4.0" CA-6 BASE COURSE
CONTRACTION JOINTS @ 15' C-C MAX.
EXPANSION JOINTS @ 60' C-C
 - PROPOSED GRAVEL**
12.0" CA-6 AGGREGATE BASE COURSE

- CURB & GUTTER LEGEND**
- REVERSE PITCH CURB & GUTTER
 - STANDARD PITCH CURB & GUTTER
 - DEPRESSED CURB & GUTTER
 - VARIABLE HEIGHT CURB & GUTTER

DIMENSIONAL CONTROL & PAVING PLAN - SOUTHEAST	
1960 WEST LUCENT LANE	
NAPERVILLE, ILLINOIS	
KARIS CRITICAL	
4	REVISED PER CITY COMMENTS 09/26/25
3	REVISED PER CITY COMMENTS 07/31/25
2	REVISED PER CITY COMMENTS 6/12/25
1	ORIGINAL PLAN DATE 4/7/25
No.	Description
H477a	
1" = 40'	
C4.2	

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REFER TO SHEET C4.0 FOR GEOMETRIC NOTES.

PAVEMENT LEGEND

- | | |
|---|---|
|  | LIGHT DUTY ASPHALT PAVEMENT
2.0" SURFACE COURSE, MIX "D", N50
2.25" HMA BINDER COURSE, IL-19, N50
8.0" CA-6 AGGREGATE BASE COURSE |
|  | HEAVY DUTY ASPHALT PAVEMENT
2.0" SURFACE COURSE, MIX "D", N50
3.0" HMA BINDER COURSE, IL-19, N50
12.0" CA-6 AGGREGATE BASE COURSE |
|  | SIDEWALK PAVEMENT
5.0" PCC PAVEMENT (4,000 PSI
UNREINFORCED, BROOM FINISH)
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4.0" CA-6 BASE COURSE
CONTRACTION JOINTS @ 15' C-C MAX.
EXPANSION JOINTS @ 60' C-C |
|  | PROPOSED GRAVEL
12.0" CA-6 AGGREGATE BASE COURSE |

CURB & GUTTER LEGEND

-  REVERSE PITCH CURB & GUTTER
-  STANDARD PITCH CURB & GUTTER
-  DEPRESSED CURB & GUTTER
-  VARIABLE HEIGHT CURB & GUTTER



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DIMENSIONAL CONTROL & PAVING PLAN – NORTHEAST

060 WEST LUCENT LANE
NAPERVILLE, ILLINOIS

KARIS CRITICAL

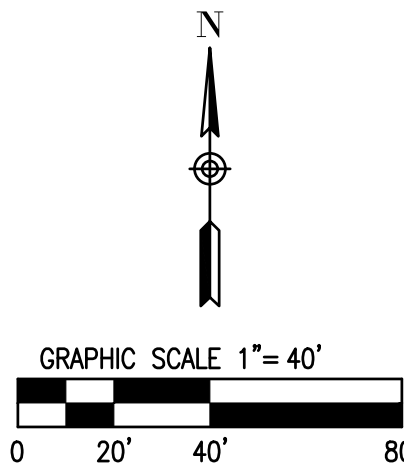
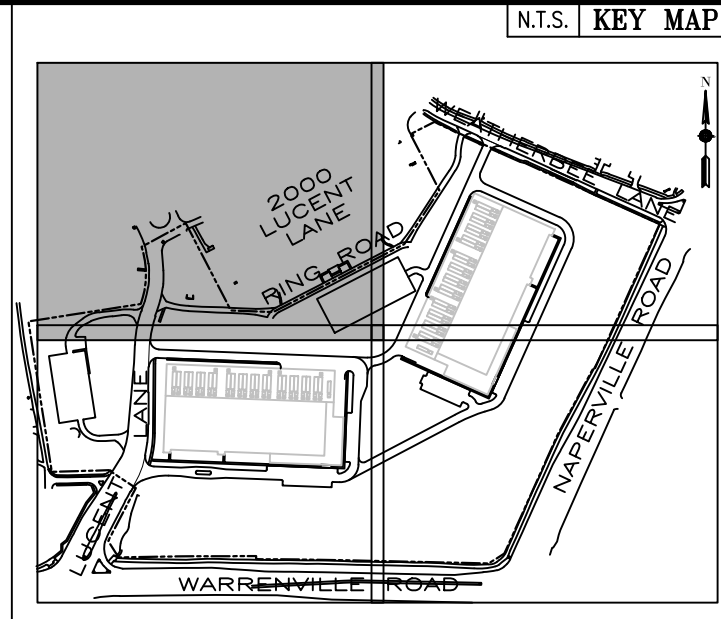
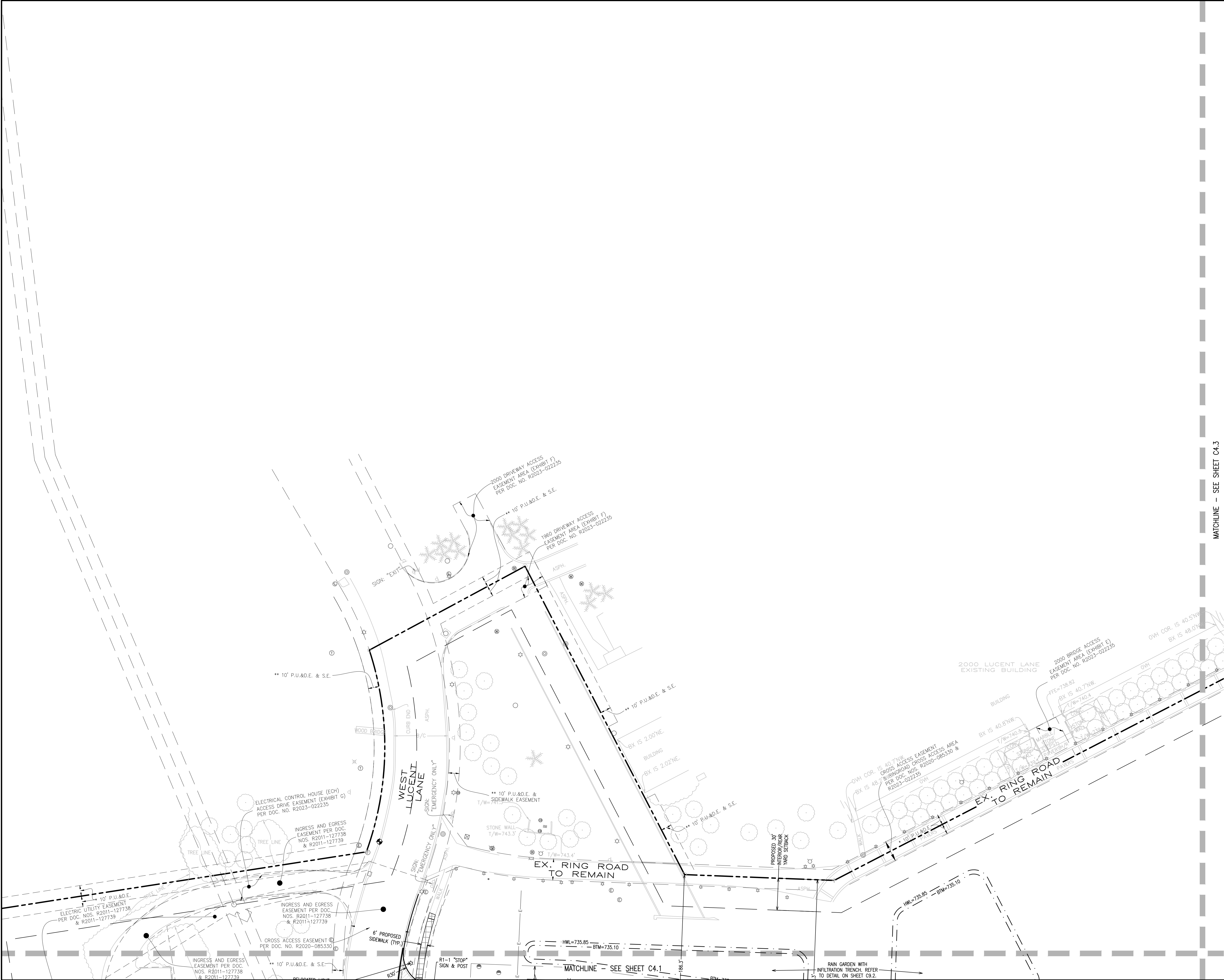
No.	Description	Date
1	ORIGINAL PLAN DATE	4/7/25
2	REVISED PER CITY COMMENTS	6/12/25
3	REVISED PER CITY COMMENTS	07/31/25
4	REVISED PER CITY COMMENTS	09/26/25

H477a

$$1'' = 40'$$

C4.3

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REFER TO SHEET C4.0 FOR GEOMETRIC NOTES.

PAVEMENT LEGEND

- LIGHT DUTY ASPHALT PAVEMENT**
2.0" SURFACE COURSE, MIX "D", N50
2.25" HMA BINDER COURSE, IL-19, N50
8.0" CA-6 AGGREGATE BASE COURSE
- HEAVY DUTY ASPHALT PAVEMENT**
2.0" SURFACE COURSE, MIX "D", N50
3.0" HMA BINDER COURSE, IL-19, N50
12.0" CA-6 AGGREGATE BASE COURSE
- SIDEWALK PAVEMENT**
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UNREINFORCED, BROOM FINISH)
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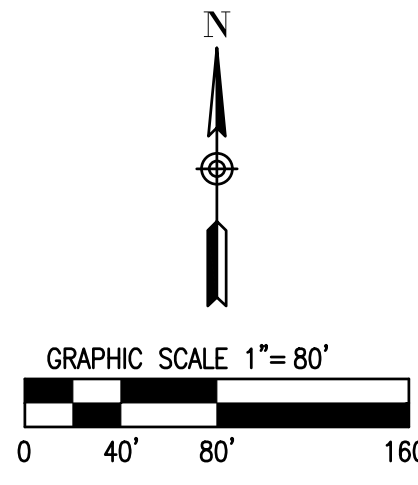
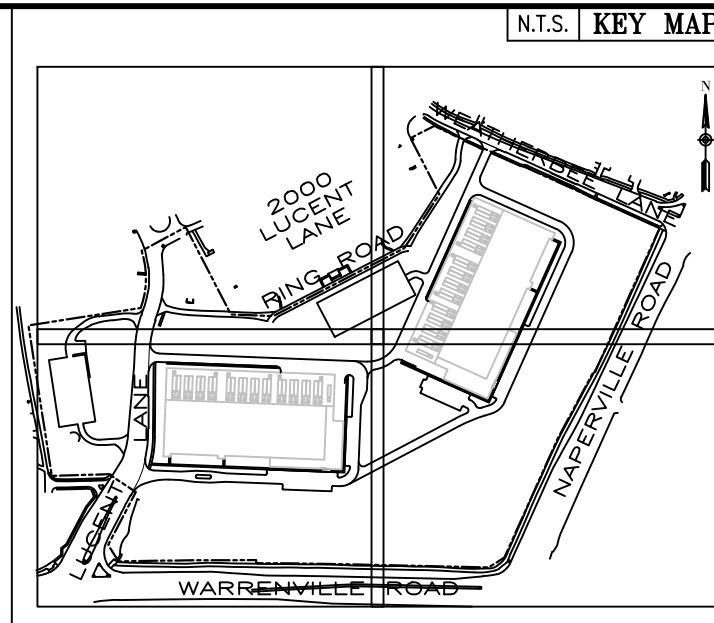
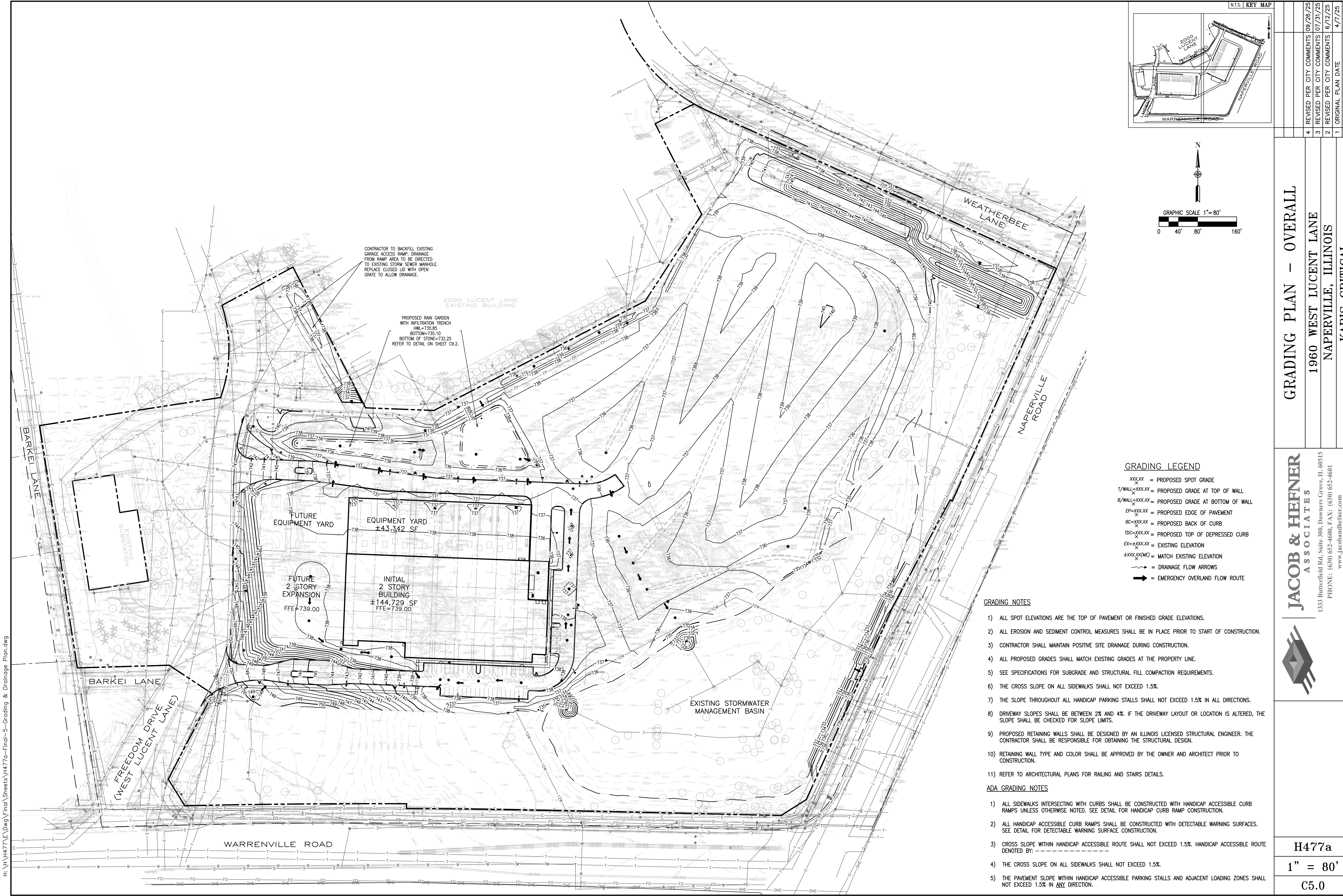
CURB & GUTTER LEGEND

- REVERSE PITCH CURB & GUTTER
- STANDARD PITCH CURB & GUTTER
- DEPRESSED CURB & GUTTER
- VARIABLE HEIGHT CURB & GUTTER

MATCHLINE - SEE SHEET C4.3

DIMENSIONAL CONTROL & PAVING PLAN - NORTHWEST		H477a	
1960 WEST LUCENT LANE		1" = 40'	
NAPERVILLE, ILLINOIS		C4.4	
KARIS CRITICAL			
No.	Description	Date	
4	REVISED PER CITY COMMENTS	09/26/25	
3	REVISED PER CITY COMMENTS	07/31/25	
2	REVISED PER CITY COMMENTS	6/12/25	
1	ORIGINAL PLAN DATE	4/7/25	

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- GRADING LEGEND**
- xxx.xx = PROPOSED SPOT GRADE
 - T/WALL=xxx.xx = PROPOSED GRADE AT TOP OF WALL
 - B/WALL=xxx.xx = PROPOSED GRADE AT BOTTOM OF WALL
 - EP=xxx.xx = PROPOSED EDGE OF PAVEMENT
 - BC=xxx.xx = PROPOSED BACK OF CURB
 - TDC=xxx.xx = PROPOSED TOP OF DEPRESSED CURB
 - EX=±xxx.xx = EXISTING ELEVATION
 - ±xxx.xx(ME) = MATCH EXISTING ELEVATION
 - = DRAINAGE FLOW ARROWS
 - = EMERGENCY OVERLAND FLOW ROUTE

- GRADING NOTES**
- ALL SPOT ELEVATIONS ARE THE TOP OF PAVEMENT OR FINISHED GRADE ELEVATIONS.
 - ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IN PLACE PRIOR TO START OF CONSTRUCTION.
 - CONTRACTOR SHALL MAINTAIN POSITIVE SITE DRAINAGE DURING CONSTRUCTION.
 - ALL PROPOSED GRADES SHALL MATCH EXISTING GRADES AT THE PROPERTY LINE.
 - SEE SPECIFICATIONS FOR SUBGRADE AND STRUCTURAL FILL COMPACTION REQUIREMENTS.
 - THE CROSS SLOPE ON ALL SIDEWALKS SHALL NOT EXCEED 1.5%.
 - THE SLOPE THROUGHOUT ALL HANDICAP PARKING STALLS SHALL NOT EXCEED 1.5% IN ALL DIRECTIONS.
 - DRIVEWAY SLOPES SHALL BE BETWEEN 2% AND 4%. IF THE DRIVEWAY LAYOUT OR LOCATION IS ALTERED, THE SLOPE SHALL BE CHECKED FOR SLOPE LIMITS.
 - PROPOSED RETAINING WALLS SHALL BE DESIGNED BY AN ILLINOIS LICENSED STRUCTURAL ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE STRUCTURAL DESIGN.
 - RETAINING WALL TYPE AND COLOR SHALL BE APPROVED BY THE OWNER AND ARCHITECT PRIOR TO CONSTRUCTION.
 - REFER TO ARCHITECTURAL PLANS FOR RAILING AND STAIRS DETAILS.

- ADA GRADING NOTES**
- ALL SIDEWALKS INTERSECTING WITH CURBS SHALL BE CONSTRUCTED WITH HANDICAP ACCESSIBLE CURB RAMPS UNLESS OTHERWISE NOTED. SEE DETAIL FOR HANDICAP CURB RAMP CONSTRUCTION.
 - ALL HANDICAP ACCESSIBLE CURB RAMPS SHALL BE CONSTRUCTED WITH DETECTABLE WARNING SURFACES. SEE DETAIL FOR DETECTABLE WARNING SURFACE CONSTRUCTION.
 - CROSS SLOPE WITHIN HANDICAP ACCESSIBLE ROUTE SHALL NOT EXCEED 1.5%. HANDICAP ACCESSIBLE ROUTE DENOTED BY: - - - - -
 - THE CROSS SLOPE ON ALL SIDEWALKS SHALL NOT EXCEED 1.5%.
 - THE PAVEMENT SLOPE WITHIN HANDICAP ACCESSIBLE PARKING STALLS AND ADJACENT LOADING ZONES SHALL NOT EXCEED 1.5% IN ANY DIRECTION.

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GRADING PLAN – OVERALL

1960 WEST LUCENT LANE

NAPERVILLE, ILLINOIS

KARIS CRITICAL

JACOB & HEFNER

ASSOCIATES

1333 Butterfield Rd, Suite 300, Downers Grove, IL 60515

PHONE: (630) 652-4600, FAX: (630) 652-4601

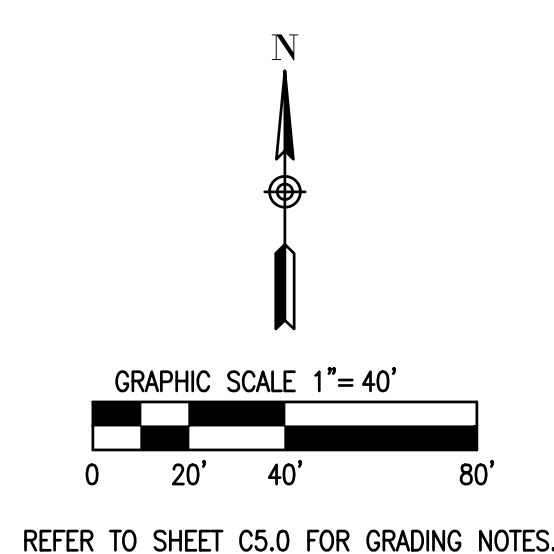
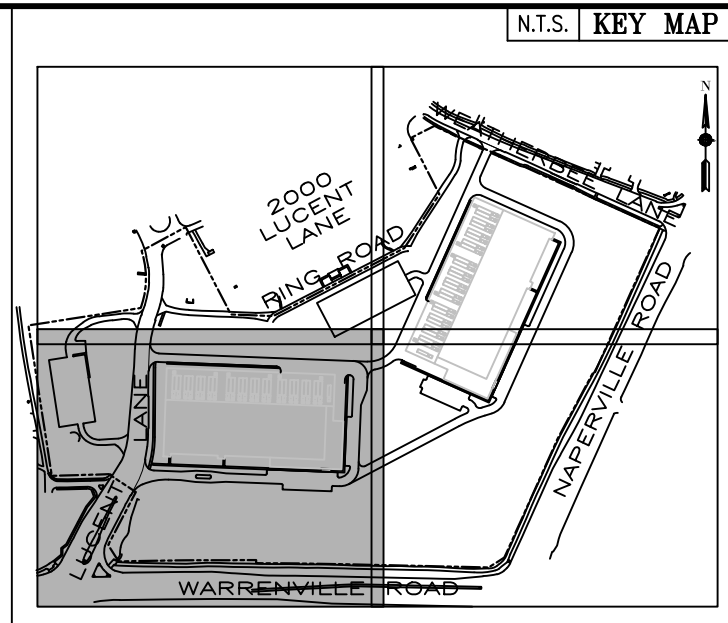
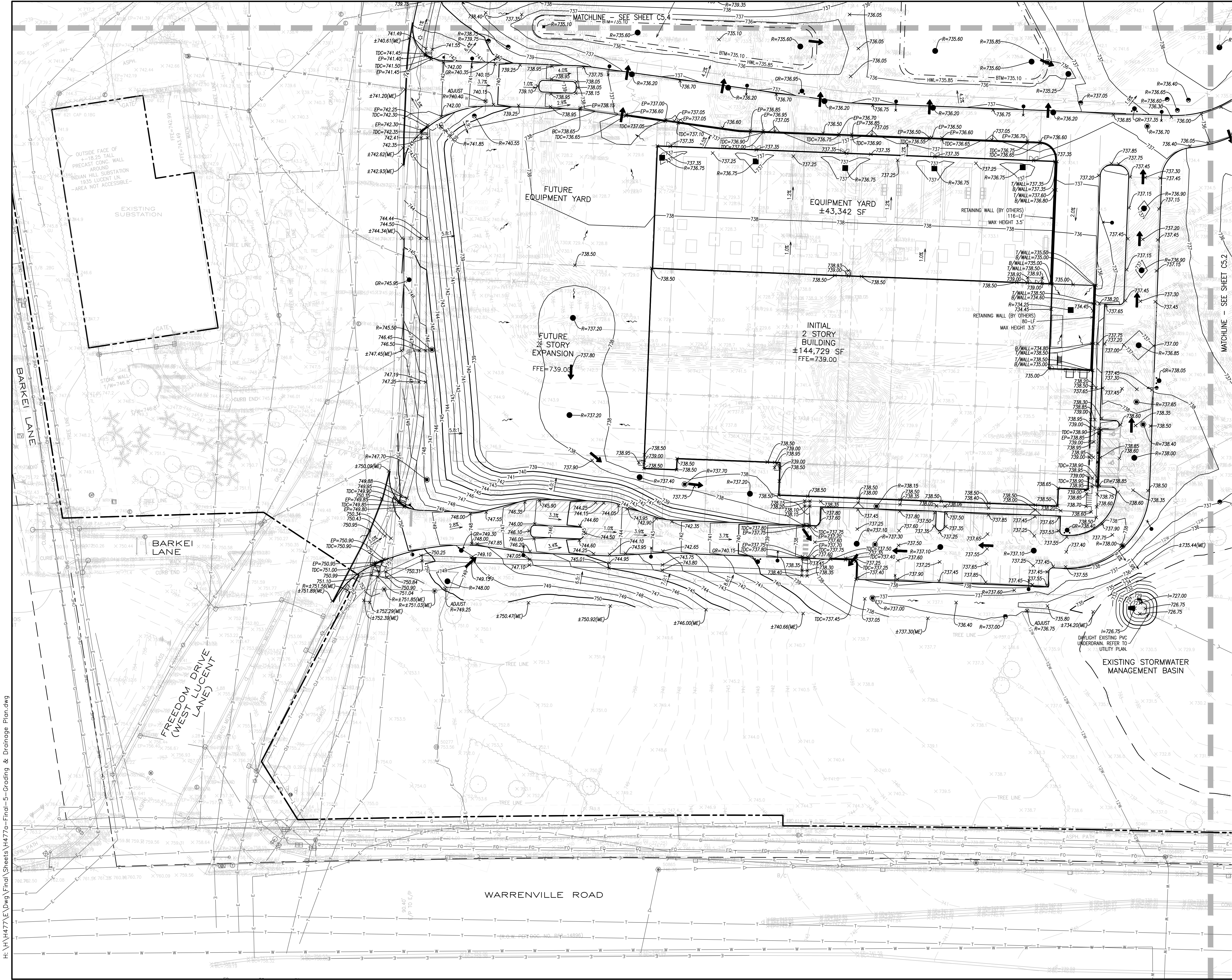
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4	REVISED PER CITY COMMENTS	09/26/25	Date
3	REVISED PER CITY COMMENTS	07/31/25	Description
2	REVISED PER CITY COMMENTS	6/12/25	
1	ORIGINAL PLAN DATE	4/7/25	
No.			

H477a

1" = 80'

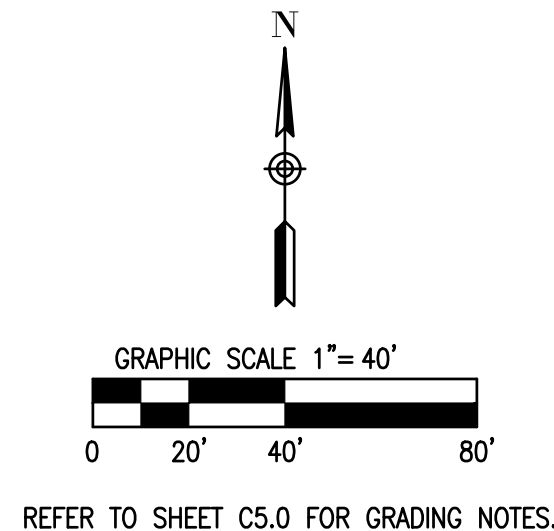
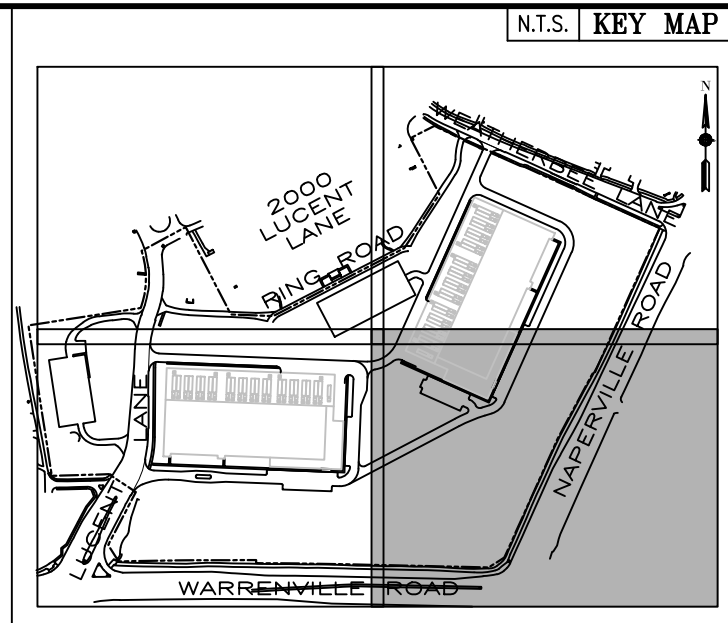
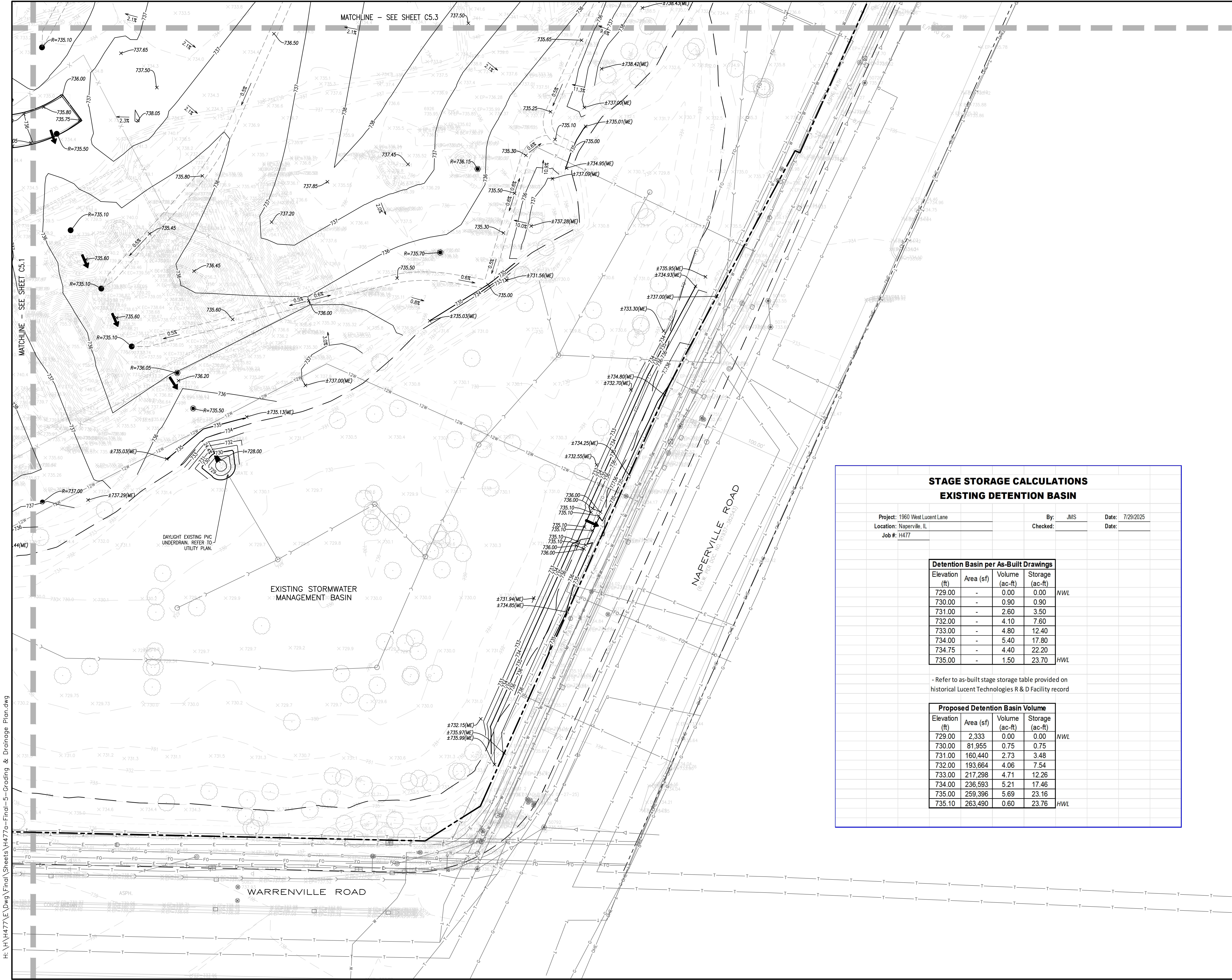
C5.0



- REFER TO SHEET C5.0 FOR GRADING NOTES.
- GRADING LEGEND**
- XXXX = PROPOSED SPOT GRADE
 - T/WALL=XXXX.XX = PROPOSED GRADE AT TOP OF WALL
 - B/WALL=XXXX.XX = PROPOSED GRADE AT BOTTOM OF WALL
 - EP=XXXX.XX = PROPOSED EDGE OF PAVEMENT
 - BC=XXXX.XX = PROPOSED BACK OF CURB
 - TDC=XXXX.XX = PROPOSED TOP OF DEPRESSED CURB
 - EX=±XXXX.XX = EXISTING ELEVATION
 - ±XXXX.XX(ME) = MATCH EXISTING ELEVATION
 - = DRAINAGE FLOW ARROWS
 - ➔ = EMERGENCY OVERLAND FLOW ROUTE

GRADING PLAN - SOUTHWEST	
1960 WEST LUCENT LANE	
NAPERVILLE, ILLINOIS	
KARIS CRITICAL	
JACOB & HEFNER ASSOCIATES	
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H477a	
1" = 40'	
C5.1	

No.	Description	4/7/25	6/12/25	07/31/25	09/26/25
1	ORIGINAL PLAN DATE				
2	REVISED PER CITY COMMENTS				
3	REVISED PER CITY COMMENTS				
4	REVISED PER CITY COMMENTS				



- GRADING LEGEND**
- XXX.XX = PROPOSED SPOT GRADE
 - T/WALL=XXX.XX = PROPOSED GRADE AT TOP OF WALL
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**STAGE STORAGE CALCULATIONS
EXISTING DETENTION BASIN**

Project: 1960 West Lucent Lane By: JMS Date: 7/29/2025
Location: Naperville, IL Checked: Date:
Job #: H477

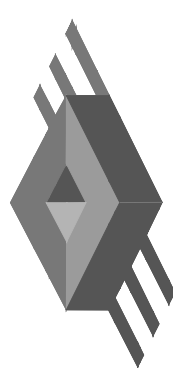
Detention Basin per As-Built Drawings			
Elevation (ft)	Area (sf)	Volume (ac-ft)	Storage (ac-ft)
729.00	-	0.00	0.00
730.00	-	0.90	0.90
731.00	-	2.60	3.50
732.00	-	4.10	7.60
733.00	-	4.80	12.40
734.00	-	5.40	17.80
734.75	-	4.40	22.20
735.00	-	1.50	23.70

- Refer to as-built stage storage table provided on historical Lucent Technologies R & D Facility record

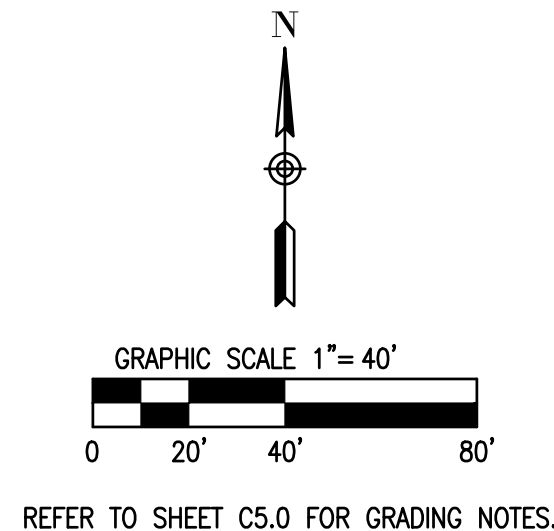
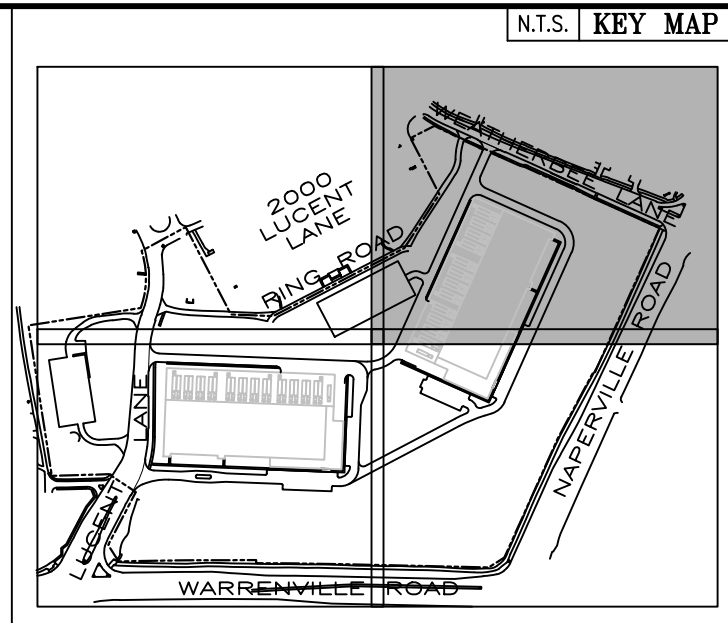
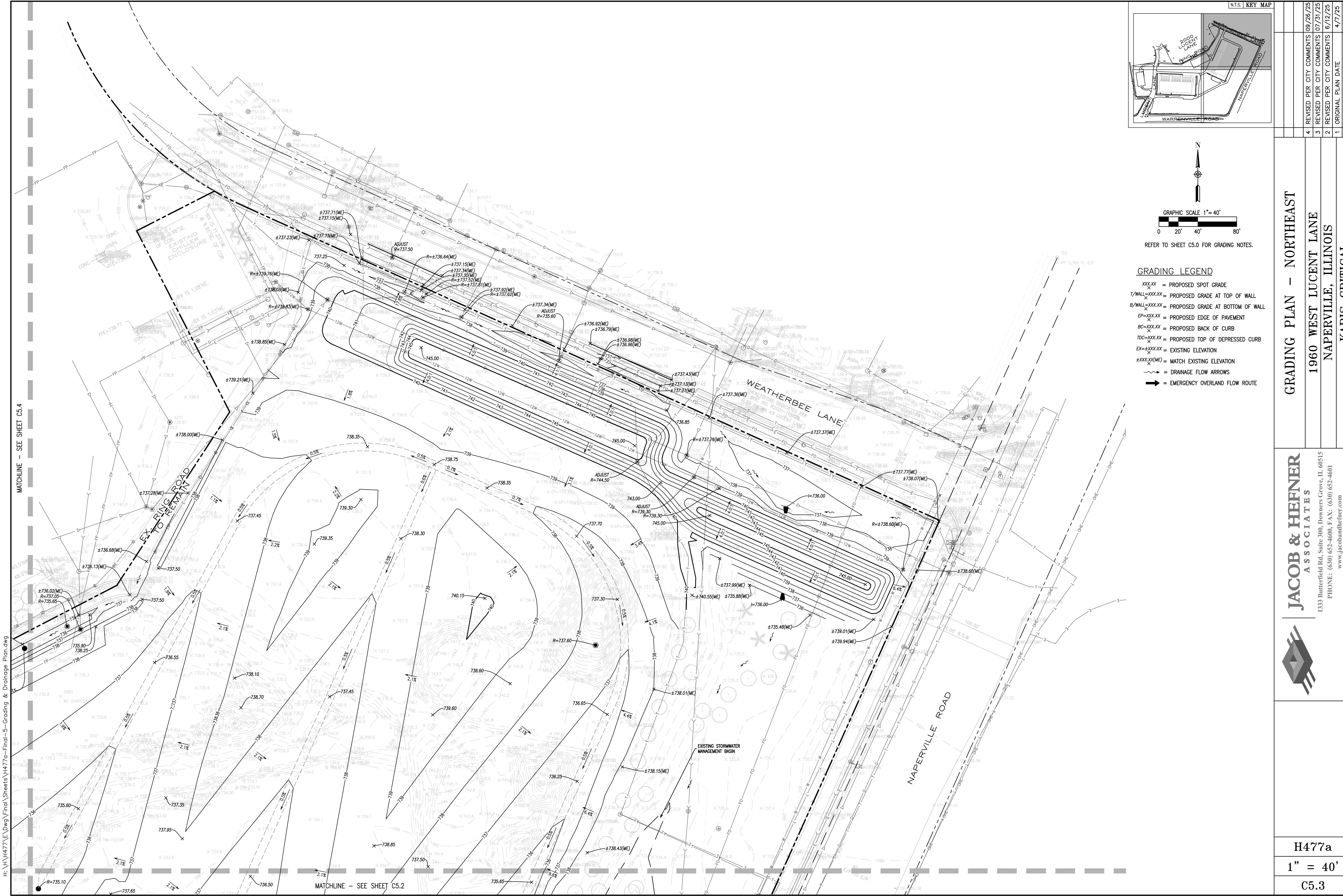
Proposed Detention Basin Volume			
Elevation (ft)	Area (sf)	Volume (ac-ft)	Storage (ac-ft)
729.00	2,333	0.00	0.00
730.00	81,955	0.75	0.75
731.00	160,440	2.73	3.48
732.00	193,664	4.06	7.54
733.00	217,298	4.71	12.26
734.00	236,593	5.21	17.46
735.00	259,396	5.69	23.16
735.10	263,490	0.60	23.76

**GRADING PLAN - SOUTHEAST
1960 WEST LUCENT LANE
NAPERVILLE, ILLINOIS
KARIS CRITICAL**

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H477a
1" = 40'
C5.2



REFER TO SHEET C5.0 FOR GRADING NOTES.

- GRADING LEGEND**
- XXX.XX = PROPOSED SPOT GRADE
 - T/WALL=XXX.XX = PROPOSED GRADE AT TOP OF WALL
 - B/WALL=XXX.XX = PROPOSED GRADE AT BOTTOM OF WALL
 - EP=XXX.XX = PROPOSED EDGE OF PAVEMENT
 - BC=XXX.XX = PROPOSED BACK OF CURB
 - TDC=XXX.XX = PROPOSED TOP OF DEPRESSED CURB
 - EX=±XXX.XX = EXISTING ELEVATION
 - ±XXX.XX(ME) = MATCH EXISTING ELEVATION
 - = DRAINAGE FLOW ARROWS
 - ➔ = EMERGENCY OVERLAND FLOW ROUTE

GRADING PLAN – NORTHEAST

1960 WEST LUCENT LANE

NAPERVILLE, ILLINOIS

KARIS CRITICAL

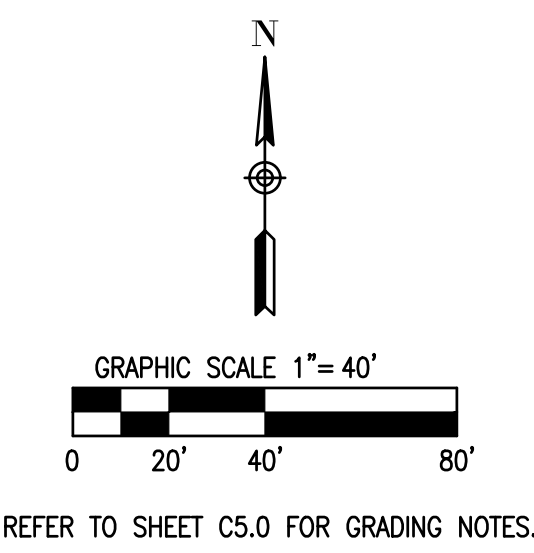
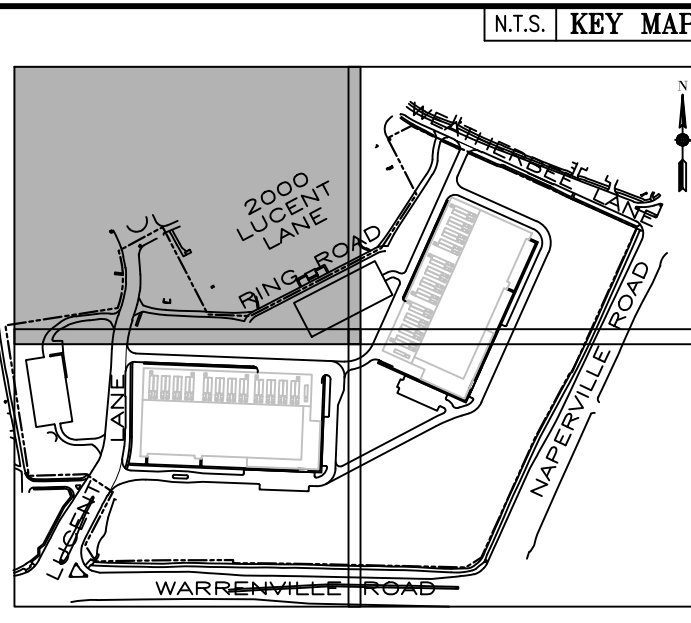
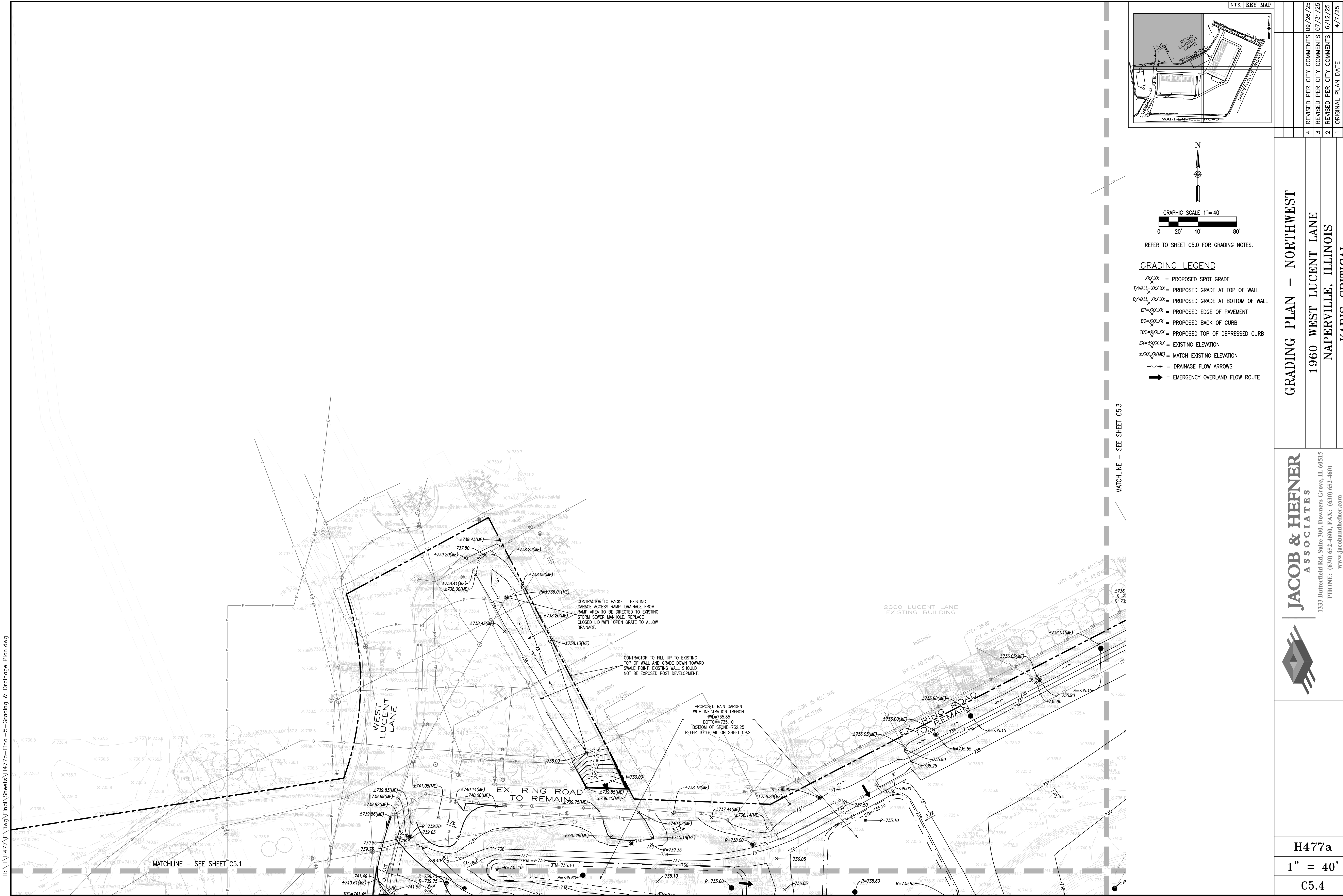
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4	REVISED PER CITY COMMENTS	09/26/25	Date
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2	REVISED PER CITY COMMENTS	6/12/25	
1	ORIGINAL PLAN DATE	4/7/25	
No.	Description		

H477a

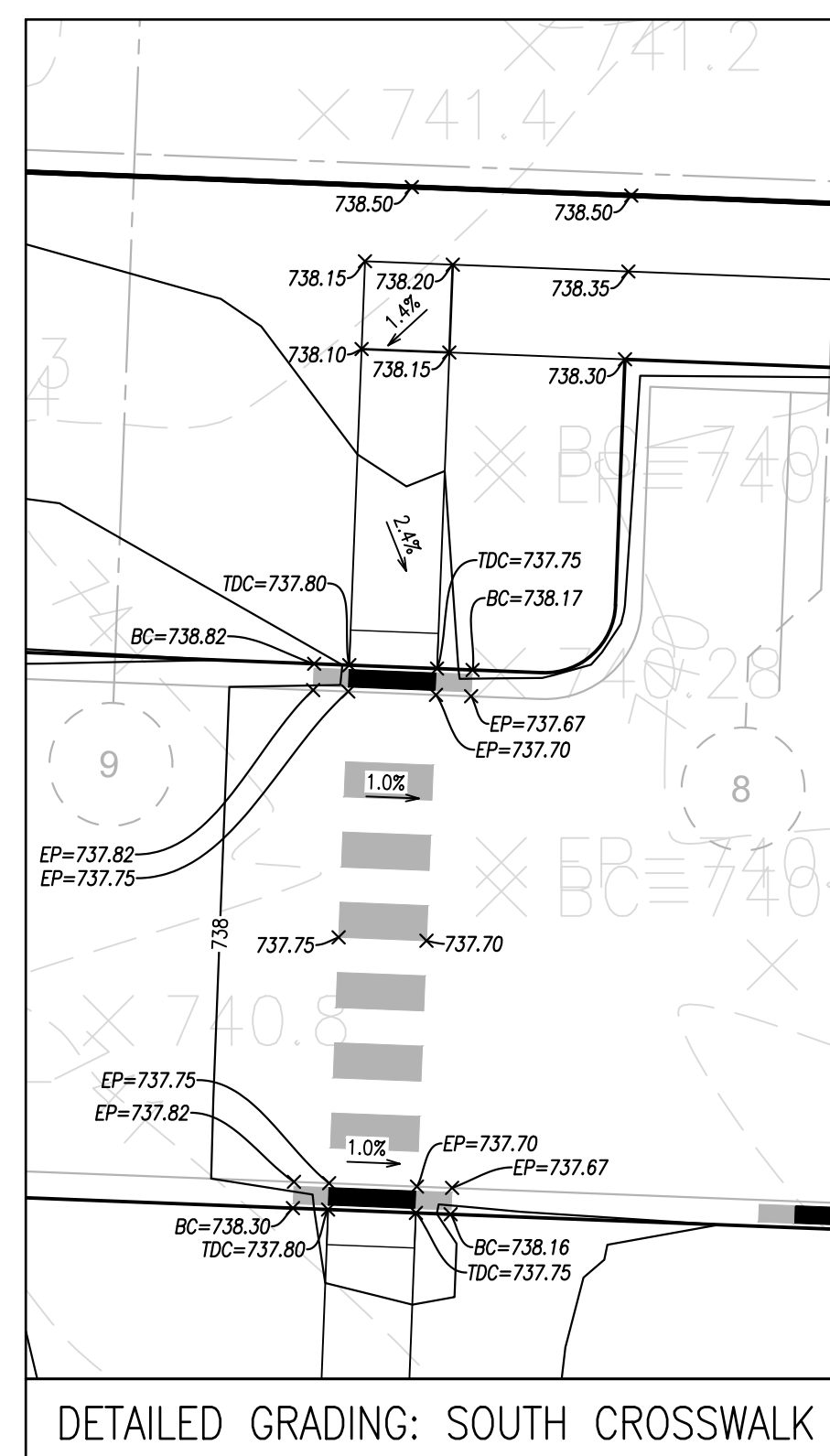
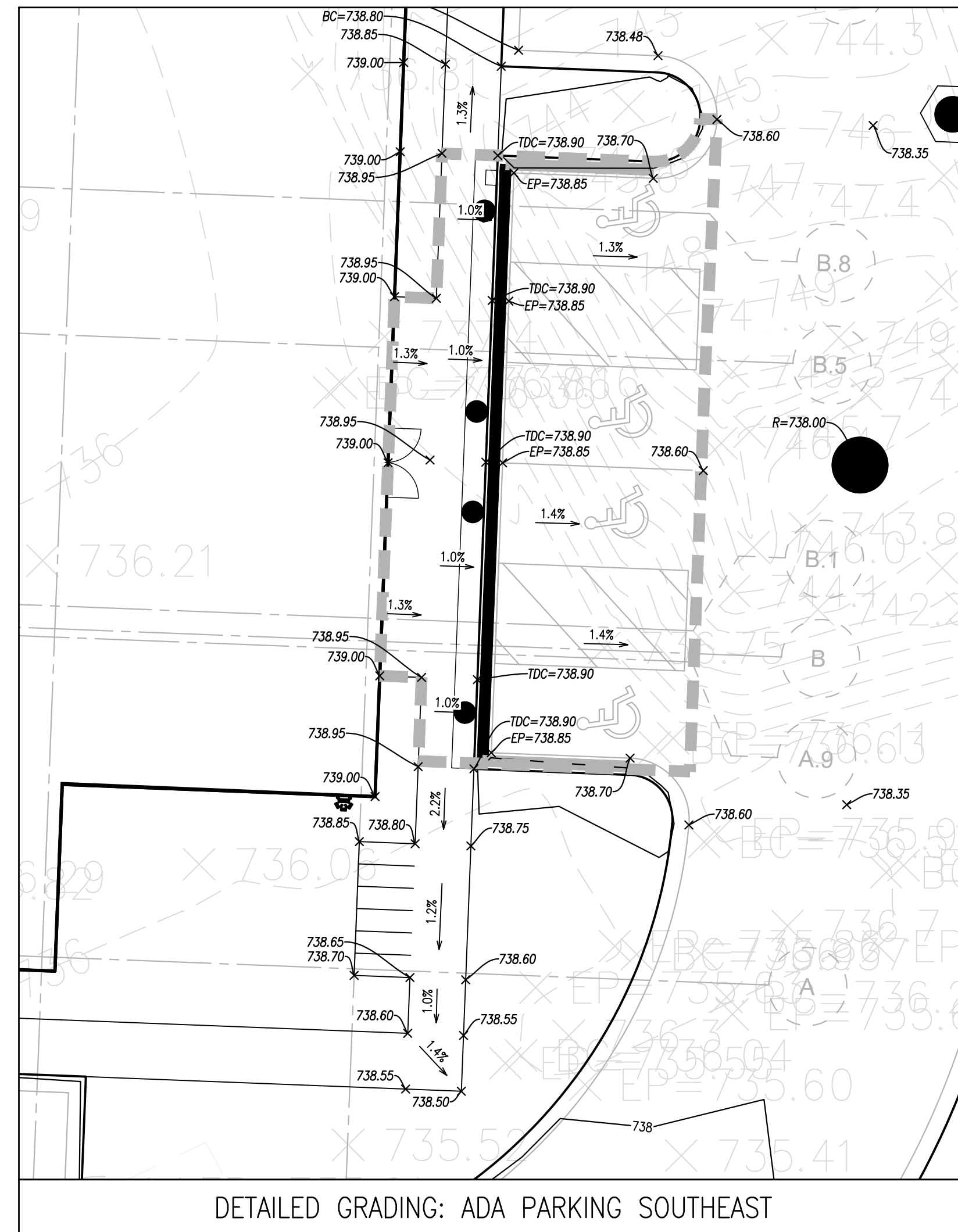
1" = 40'

C5.3



- REFER TO SHEET C5.0 FOR GRADING NOTES.
- GRADING LEGEND**
- XXX.XX = PROPOSED SPOT GRADE
 - T/WALL=XXX.XX = PROPOSED GRADE AT TOP OF WALL
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N.T.S. KEY MAP					
4		REVISED PER CITY COMMENTS	09/26/25		Date
3		REVISED PER CITY COMMENTS	07/31/25		
2		REVISED PER CITY COMMENTS	6/12/25		
1		ORIGINAL PLAN DATE	4/7/25		
No.		Description			
GRADING PLAN - NORTHWEST					
1960 WEST LUCENT LANE					
NAPERVILLE, ILLINOIS					
KARIS CRITICAL					
JACOB & HEFNER ASSOCIATES					
1333 Butterfield Rd, Suite 300, Downers Grove, IL 60515					
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www.jacobandhefner.com					
H477a					
1" = 40'					
C5.4					

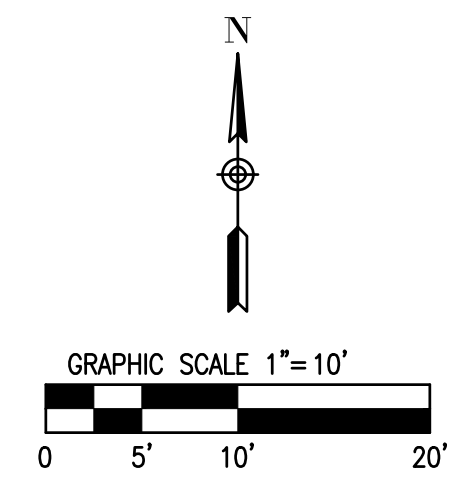
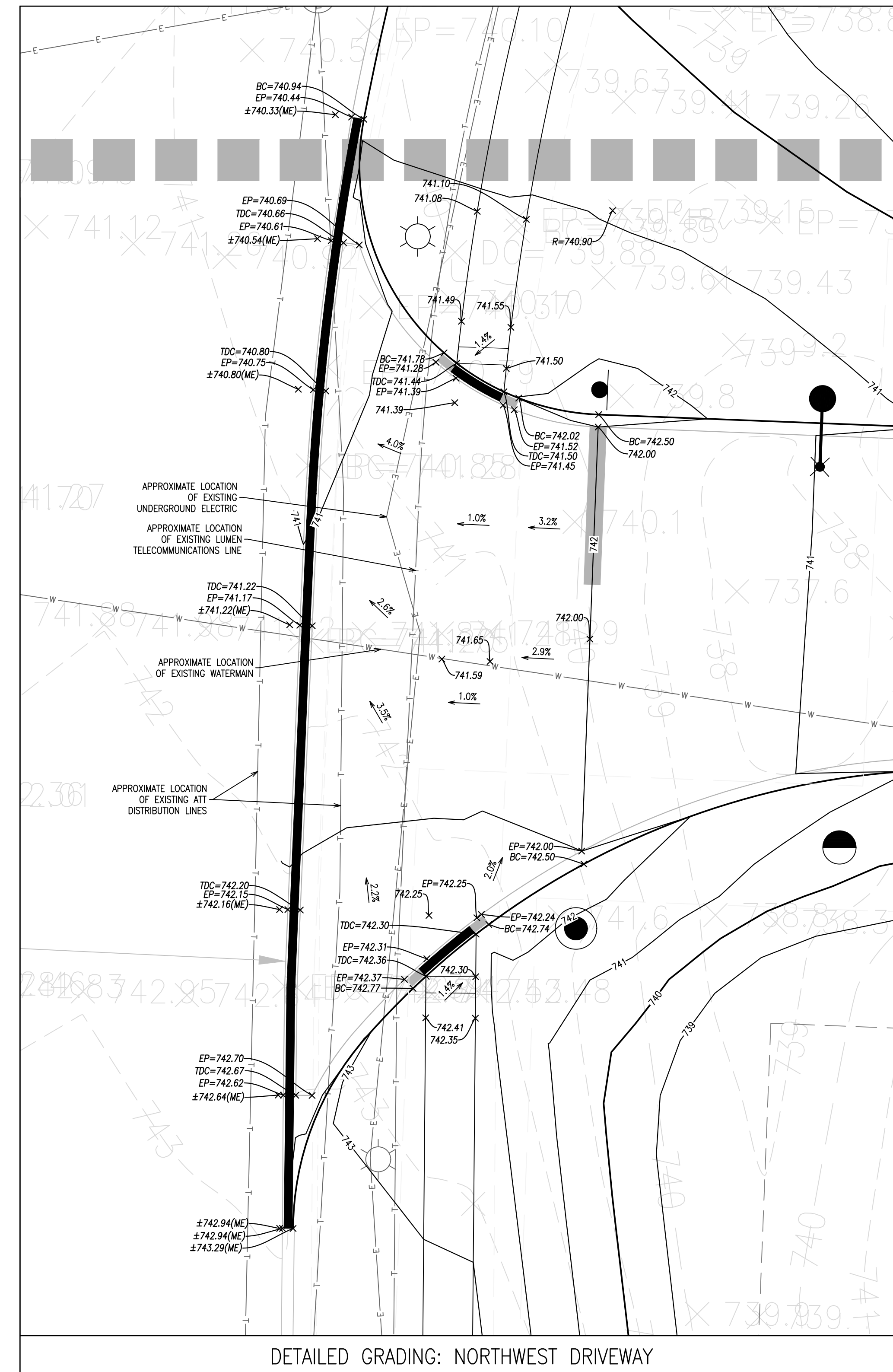
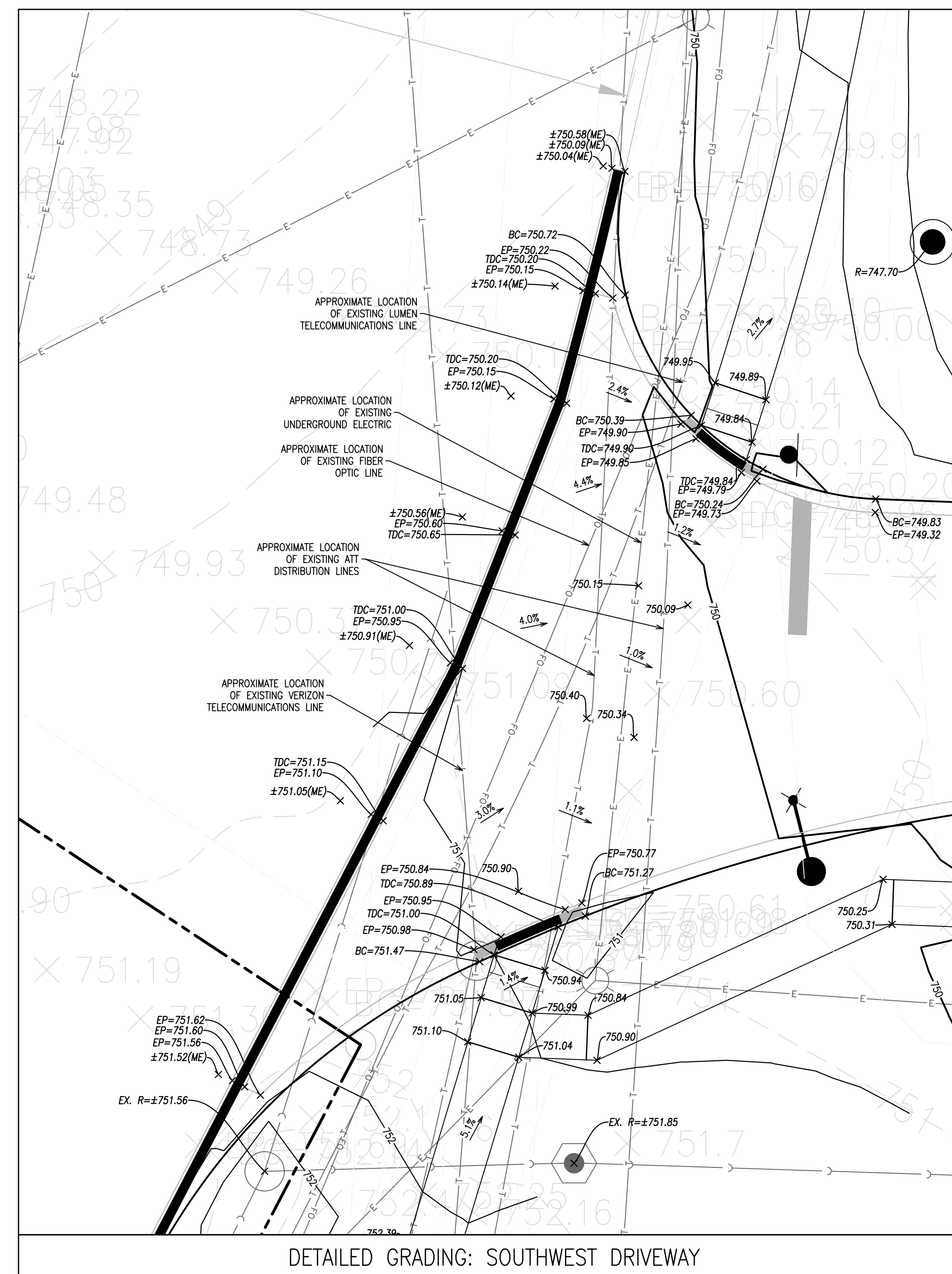


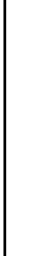
- ADA GRADING NOTES

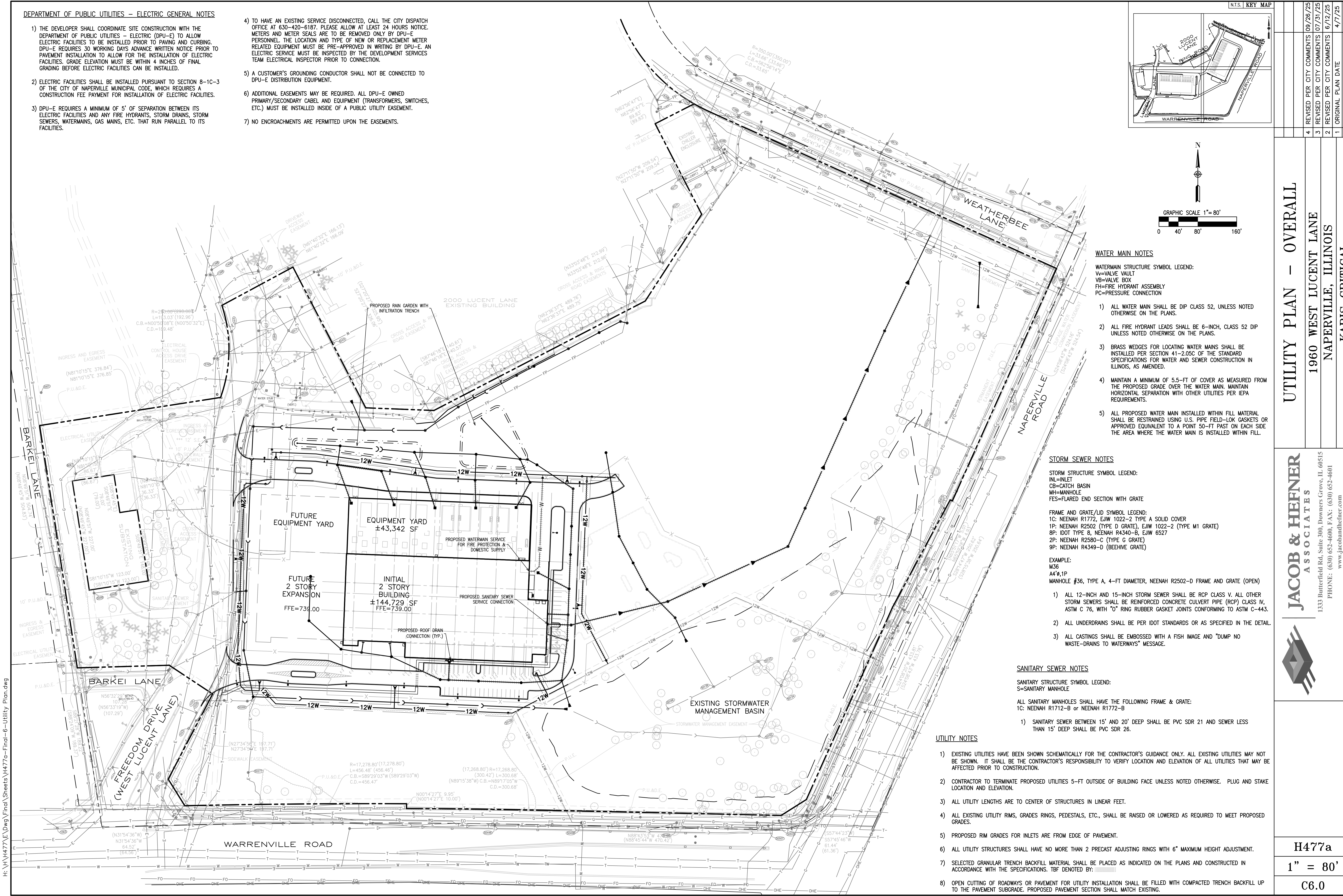
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- 2) ALL HANDICAP ACCESSIBLE CURB RAMP SHALL BE CONSTRUCTED WITH DETECTABLE WARNING SURFACES. SEE DETAIL FOR DETECTABLE WARNING SURFACE CONSTRUCTION.
- 3) CROSS SLOPE WITHIN HANDICAP ACCESSIBLE ROUTE SHALL NOT EXCEED 1.5%. HANDICAP ACCESSIBLE ROUTE DENOTED BY: - - - - -
- 4) THE CROSS SLOPE ON ALL SIDEWALKS SHALL NOT EXCEED 1.5%.
- 5) THE PAVEMENT SLOPE WITHIN HANDICAP ACCESSIBLE PARKING STALLS AND ADJACENT LOADING ZONES SHALL NOT EXCEED 1.5% IN ANY DIRECTION.
- 6) REFER TO SHEET CS.0 FOR OVERALL GRADING PLAN AND NOTES.

GRADING LEGEND

$\begin{matrix} XXX.XX \\ \times \end{matrix}$ = PROPOSED SPOT GRADE
 $\begin{matrix} BC=XXX.XX \\ \times \end{matrix}$ = PROPOSED BACK OF CURB
 $\begin{matrix} EP=XXX.XX \\ \times \end{matrix}$ = PROPOSED EDGE OF PAVEMENT
 $\begin{matrix} TDC=XXX.XX \\ \times \end{matrix}$ = PROPOSED TOP OF DEPRESSED CURB
 $\begin{matrix} R=XXX.XX \\ \times \end{matrix}$ = PROPOSED RIM ELEVATION
 EX. $\begin{matrix} R=\cancel{XXX.XX} \\ \times \end{matrix}$ = EXISTING RIM ELEVATION
 $\pm XXX.XX(ME)$ = MATCH EXISTING ELEVATION
 = DRAINAGE FLOW ARROWS
 = EMERGENCY OVERLAND FLOW ROUTE



C5.5	1" = 10'	H477a	 JACOB & HEFNER ASSOCIATES 1333 Butterfield Rd, Suite 300, Downers Grove, IL 60515 PHONE: (630) 652-4600, FAX: (630) 652-4601 www.jacobandhefner.com	DETAILED GRADING PLAN 1960 WEST LUCENT LANE NAPERVILLE, ILLINOIS KARIS CRITICAL	<table><tr><td>No.</td><td>Description</td><td>Date</td></tr><tr><td>1</td><td>ORIGINAL PLAN DATE</td><td>4/7/25</td></tr><tr><td>2</td><td>REVISED PER CITY COMMENTS</td><td>6/12/25</td></tr><tr><td>3</td><td>REVISED PER CITY COMMENTS</td><td>07/31/25</td></tr><tr><td>4</td><td>REVISED PER CITY COMMENTS</td><td>09/26/25</td></tr></table>	No.	Description	Date	1	ORIGINAL PLAN DATE	4/7/25	2	REVISED PER CITY COMMENTS	6/12/25	3	REVISED PER CITY COMMENTS	07/31/25	4	REVISED PER CITY COMMENTS	09/26/25
No.	Description	Date																		
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4	REVISED PER CITY COMMENTS	09/26/25																		



DEPARTMENT OF PUBLIC UTILITIES – ELECTRIC GENERAL NOTES

- 1) THE DEVELOPER SHALL COORDINATE SITE CONSTRUCTION WITH THE DEPARTMENT OF PUBLIC UTILITIES – ELECTRIC (DPU-E) TO ALLOW ELECTRIC FACILITIES TO BE INSTALLED PRIOR TO PAVING AND CURBING. DPU-E REQUIRES 30 WORKING DAYS ADVANCE WRITTEN NOTICE PRIOR TO PAVEMENT INSTALLATION TO ALLOW FOR THE INSTALLATION OF ELECTRIC FACILITIES. GRADE ELEVATION MUST BE WITHIN 4 INCHES OF FINAL GRADING BEFORE ELECTRIC FACILITIES CAN BE INSTALLED.
- 2) ELECTRIC FACILITIES SHALL BE INSTALLED PURSUANT TO SECTION 8-1C-3 OF THE CITY OF NAPERVILLE MUNICIPAL CODE, WHICH REQUIRES A CONSTRUCTION FEE PAYMENT FOR INSTALLATION OF ELECTRIC FACILITIES.
- 3) DPU-E REQUIRES A MINIMUM OF 5' OF SEPARATION BETWEEN ITS ELECTRIC FACILITIES AND ANY FIRE HYDRANTS, STORM DRAINS, STORM SEWERS, WATERMANS, GAS MAINS, ETC. THAT RUN PARALLEL TO ITS FACILITIES.
- 4) TO HAVE AN EXISTING SERVICE DISCONNECTED, CALL THE CITY DISPATCH OFFICE AT 630-420-6187. PLEASE ALLOW AT LEAST 24 HOURS NOTICE. METERS AND METER SEALS ARE TO BE REMOVED ONLY BY DPU-E PERSONNEL. THE LOCATION AND TYPE OF NEW OR REPLACEMENT METER RELATED EQUIPMENT MUST BE PRE-APPROVED IN WRITING BY DPU-E. AN ELECTRIC SERVICE MUST BE INSPECTED BY THE DEVELOPMENT SERVICES TEAM ELECTRICAL INSPECTOR PRIOR TO CONNECTION.
- 5) A CUSTOMER'S GROUNDING CONDUCTOR SHALL NOT BE CONNECTED TO DPU-E DISTRIBUTION EQUIPMENT.
- 6) ADDITIONAL EASEMENTS MAY BE REQUIRED. ALL DPU-E OWNED PRIMARY/SECONDARY CABEL AND EQUIPMENT (TRANSFORMERS, SWITCHES, ETC.) MUST BE INSTALLED INSIDE OF A PUBLIC UTILITY EASEMENT.
- 7) NO ENCROACHMENTS ARE PERMITTED UPON THE EASEMENTS.

WATER MAIN NOTES

WATERMAIN STRUCTURE SYMBOL LEGEND:
V=VALVE VAULT
VB=VALVE BOX
FH=FIREF HYDRANT ASSEMBLY
PC=PRESSURE CONNECTION

- 1) ALL WATER MAIN SHALL BE DIP CLASS 52, UNLESS NOTED OTHERWISE ON THE PLANS.
- 2) ALL FIRE HYDRANT LEADS SHALL BE 6-INCH, CLASS 52 DIP UNLESS NOTED OTHERWISE ON THE PLANS.
- 3) BRASS WEDGES FOR LOCATING WATER MAINS SHALL BE INSTALLED PER SECTION 41-2.05C OF THE STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION IN ILLINOIS, AS AMENDED.
- 4) MAINTAIN A MINIMUM OF 5.5-FT OF COVER AS MEASURED FROM THE PROPOSED GRADE OVER THE WATER MAIN. MAINTAIN HORIZONTAL SEPARATION WITH OTHER UTILITIES PER IEPA REQUIREMENTS.
- 5) ALL PROPOSED WATER MAIN INSTALLED WITHIN FILL MATERIAL SHALL BE RESTRAINED USING U.S. PIPE FIELD-LOK GASKETS OR APPROVED EQUIVALENT TO A POINT 50-FT PAST ON EACH SIDE THE AREA WHERE THE WATER MAIN IS INSTALLED WITHIN FILL.

STORM SEWER NOTES

STORM STRUCTURE SYMBOL LEGEND:
INL=INLET
CB=CATCH BASIN
MH=MANHOLE
FES=FLARED END SECTION WITH GRATE

FRAME AND GRATE/LID SYMBOL LEGEND:
1C: NEENAH R1772, EJIW 1022-2 TYPE A SOLID COVER
1P: NEENAH R2502 (TYPE D GRATE), EJIW 1022-2 (TYPE M1 GRATE)
8P: IDOT TYPE B, NEENAH R4340-B, EJIW 6527
2P: NEENAH R2580-C (TYPE G GRATE)
9P: NEENAH R4349-D (BEEHIVE GRATE)

EXAMPLE:
M36
A4#1P
MANHOLE #36, TYPE A, 4-FT DIAMETER, NEENAH R2502-D FRAME AND GRATE (OPEN)

- 1) ALL 12-INCH AND 15-INCH STORM SEWER SHALL BE RCP CLASS V. ALL OTHER STORM SEWERS SHALL BE REINFORCED CONCRETE CULVERT PIPE (RCP) CLASS IV, ASTM C 76, WITH "O" RING RUBBER GASKET JOINTS CONFORMING TO ASTM C-443.
- 2) ALL UNDERDRAINS SHALL BE PER IDOT STANDARDS OR AS SPECIFIED IN THE DETAIL.
- 3) ALL CASTINGS SHALL BE EMBOSSED WITH A FISH IMAGE AND "DUMP NO WASTE-DRAINS TO WATERWAYS" MESSAGE.

SANITARY SEWER NOTES

SANITARY STRUCTURE SYMBOL LEGEND:
S=SANITARY MANHOLE

ALL SANITARY MANHOLES SHALL HAVE THE FOLLOWING FRAME & GRATE:
1C: NEENAH R1712-B or NEENAH R1772-B

- 1) SANITARY SEWER BETWEEN 15' AND 20' DEEP SHALL BE PVC SDR 21 AND SEWER LESS THAN 15' DEEP SHALL BE PVC SDR 26.

UTILITY NOTES

- 1) EXISTING UTILITIES HAVE BEEN SHOWN SCHEMATICALLY FOR THE CONTRACTOR'S GUIDANCE ONLY. ALL EXISTING UTILITIES MAY NOT BE SHOWN. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY LOCATION AND ELEVATION OF ALL UTILITIES THAT MAY BE AFFECTED PRIOR TO CONSTRUCTION.
- 2) CONTRACTOR TO TERMINATE PROPOSED UTILITIES 5-FT OUTSIDE OF BUILDING FACE UNLESS NOTED OTHERWISE. PLUG AND STAKE LOCATION AND ELEVATION.
- 3) ALL UTILITY LENGTHS ARE TO CENTER OF STRUCTURES IN LINEAR FEET.
- 4) ALL EXISTING UTILITY RIMS, GRADES RINGS, PEDESTALS, ETC., SHALL BE RAISED OR LOWERED AS REQUIRED TO MEET PROPOSED GRADES.
- 5) PROPOSED RIM GRADES FOR INLETS ARE FROM EDGE OF PAVEMENT.
- 6) ALL UTILITY STRUCTURES SHALL HAVE NO MORE THAN 2 PRECAST ADJUSTING RINGS WITH 6" MAXIMUM HEIGHT ADJUSTMENT.
- 7) SELECTED GRANULAR TRENCH BACKFILL MATERIAL SHALL BE PLACED AS INDICATED ON THE PLANS AND CONSTRUCTED IN ACCORDANCE WITH THE SPECIFICATIONS. TBF DENOTED BY:
- 8) OPEN CUTTING OF ROADWAYS OR PAVEMENT FOR UTILITY INSTALLATION SHALL BE FILLED WITH COMPACTED TRENCH BACKFILL UP TO THE PAVEMENT SUBGRADE. PROPOSED PAVEMENT SECTION SHALL MATCH EXISTING.

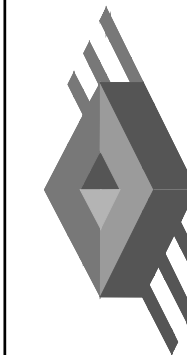
UTILITY PLAN – OVERALL

1960 WEST LUCENT LANE

NAPERVILLE, ILLINOIS

KARIS CRITICAL

JACOB & HEFNER
ASSOCIATES

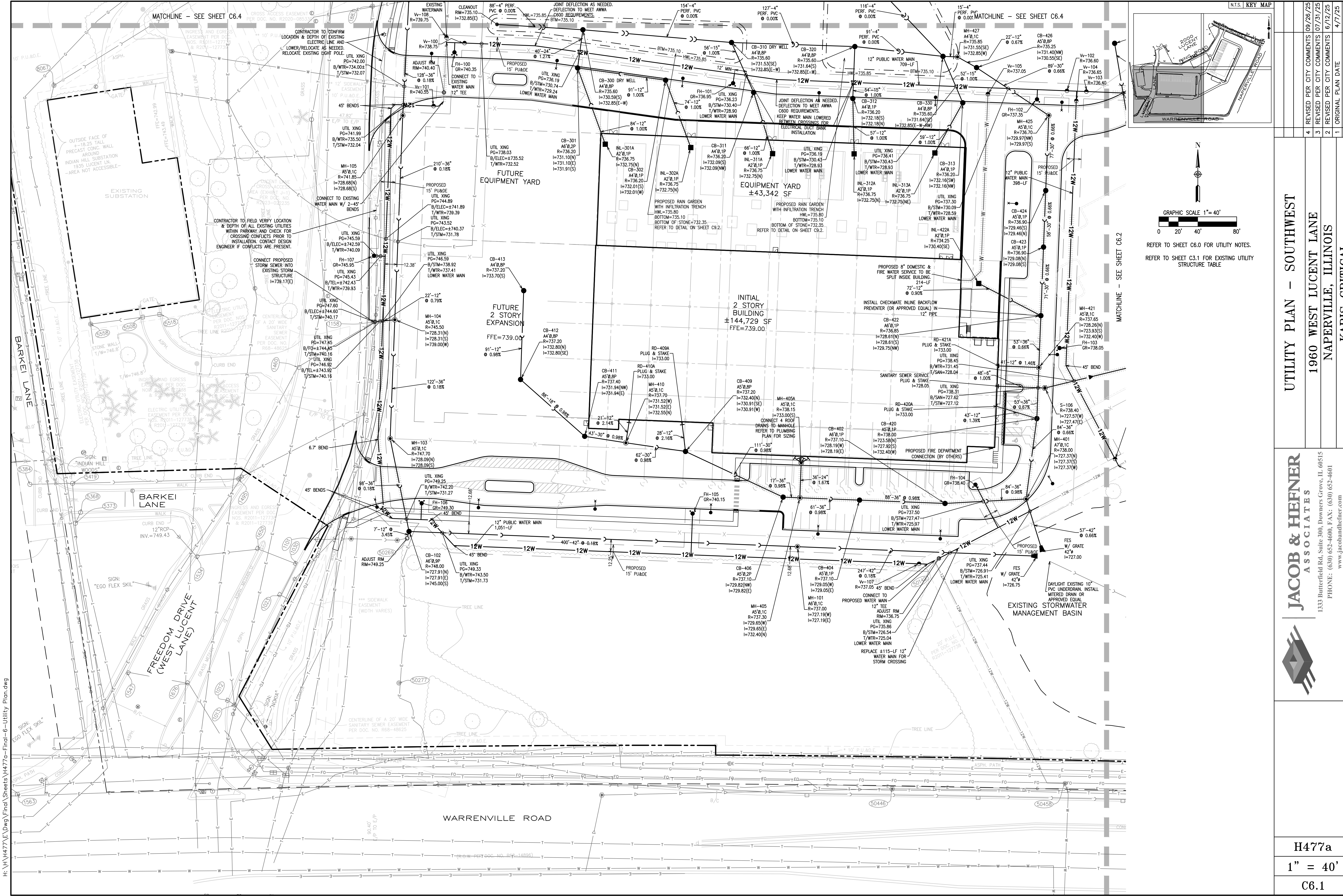


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1" = 80'

C6.0

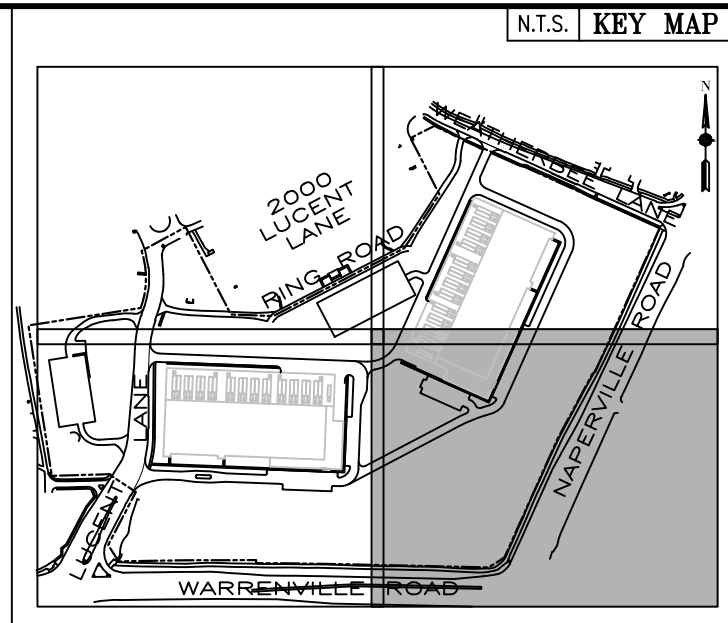
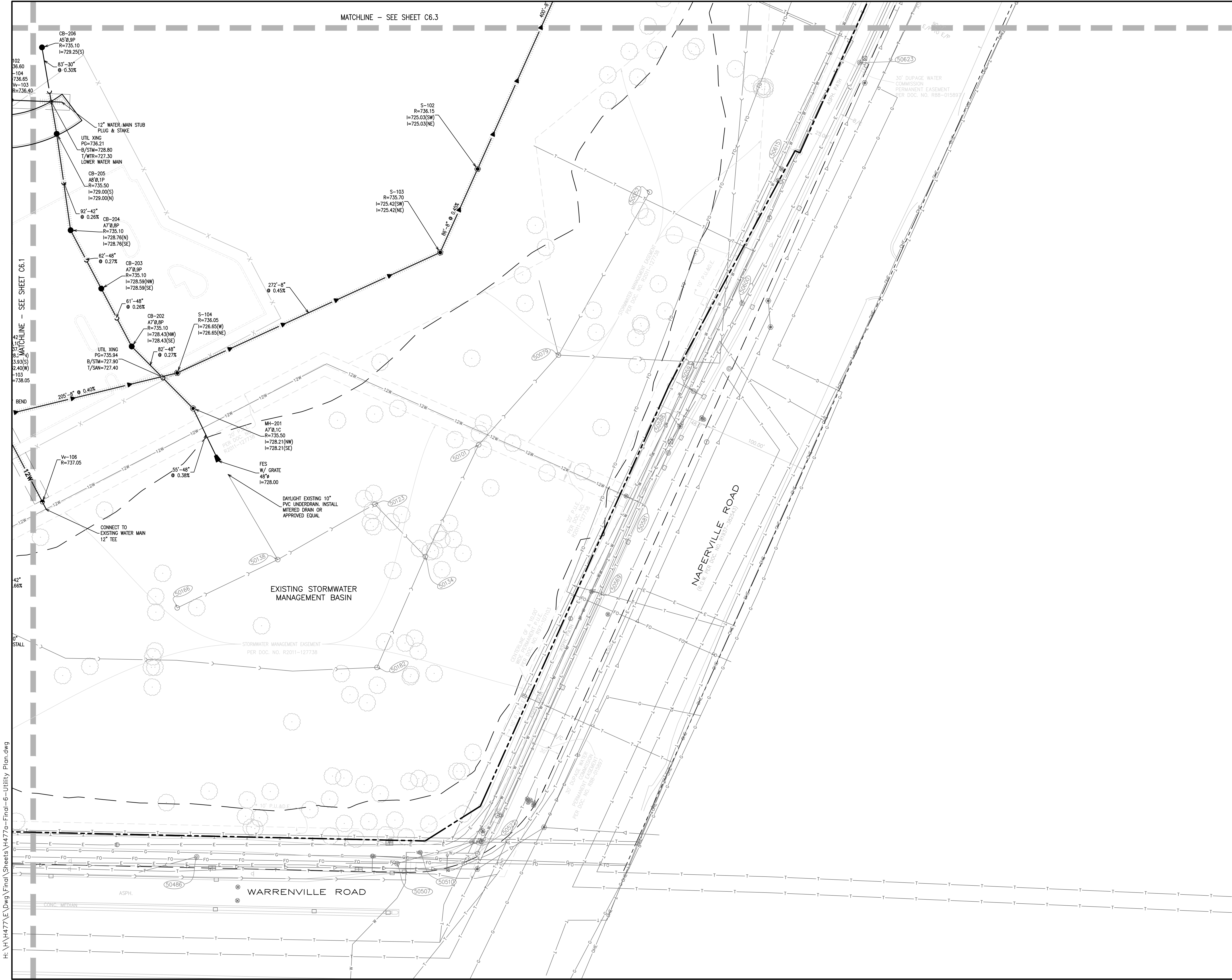


UTILITY PLAN - SOUTHWEST			
1960 WEST LUCENT LANE			
NAPERVILLE, ILLINOIS			
KARIS CRITICAL			
No.	Description	Date	Revised Per City Comments
4	REVISED PER CITY COMMENTS	09/26/25	
3	REVISED PER CITY COMMENTS	07/31/25	
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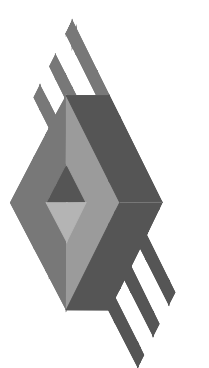


GRAPHIC SCALE 1"= 40'

REFER TO SHEET C6.0 FOR UTILITY NOTES.

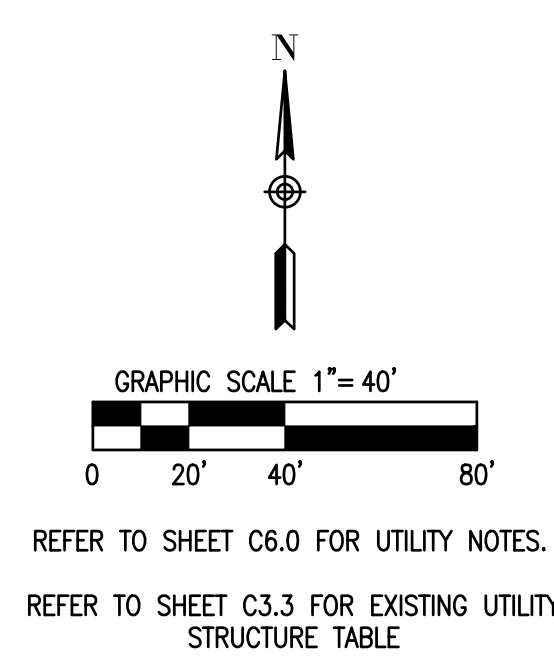
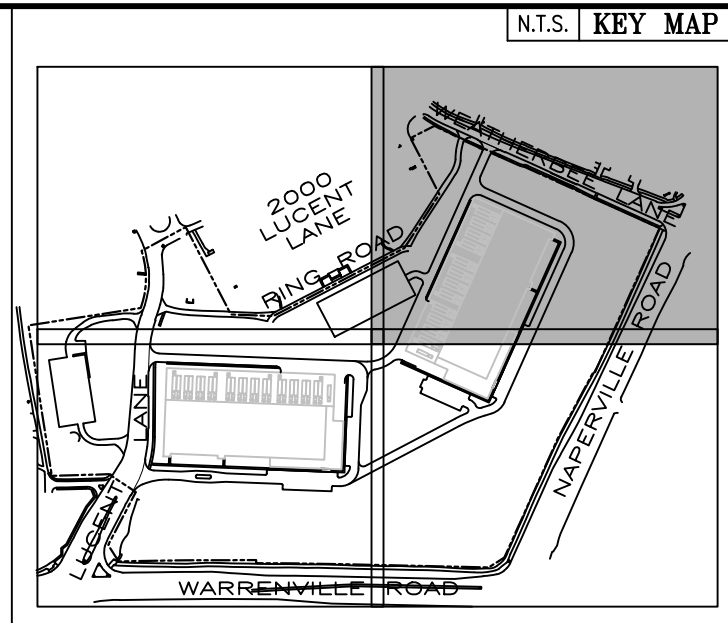
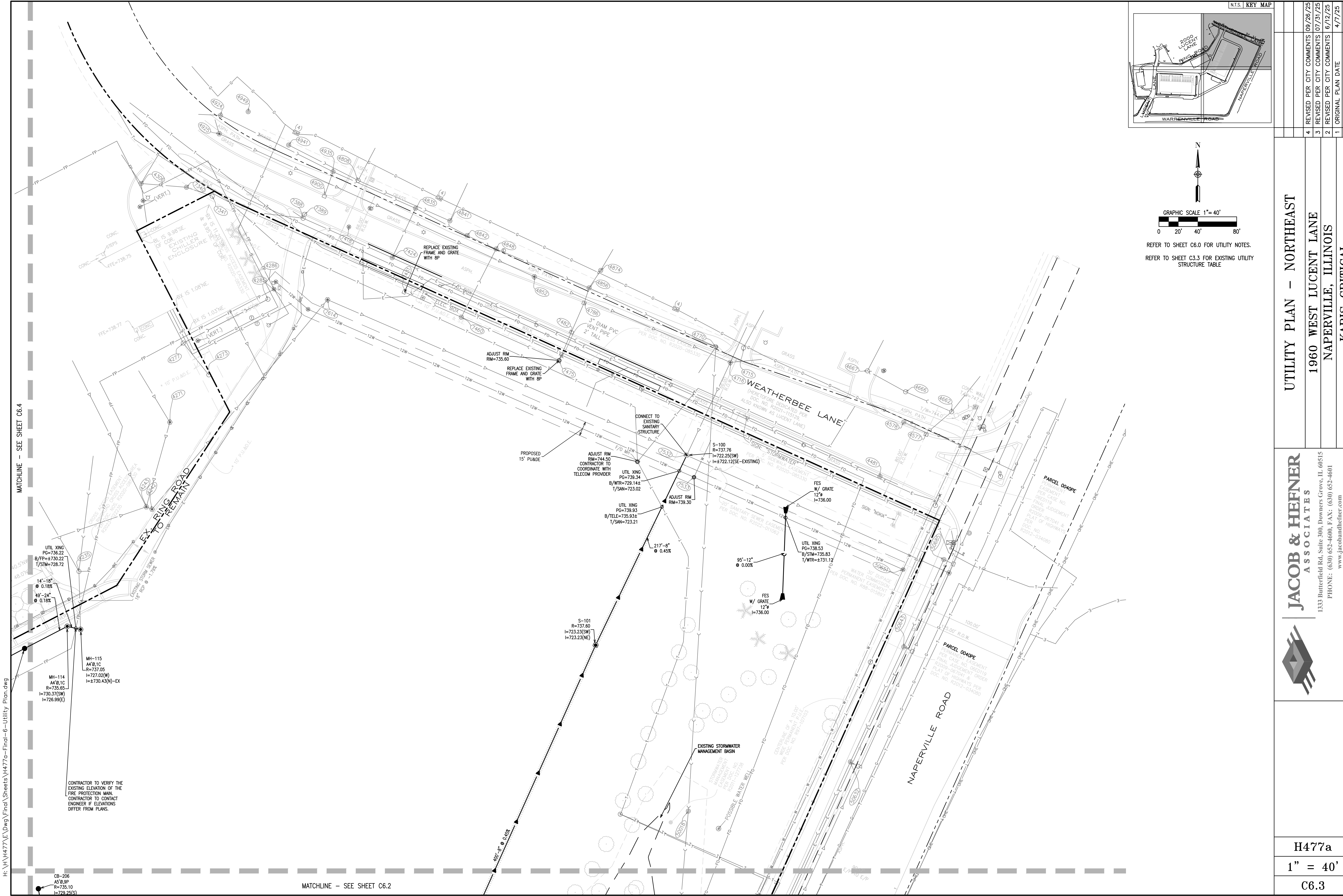
REFER TO SHEET C3.2 FOR EXISTING UTILITY STRUCTURE TABLE

UTILITY PLAN - SOUTHEAST				No.		Description		Date
1960 WEST LUCENT LANE				4	REVISED PER CITY COMMENTS	09/26/25		
NAPERVILLE, ILLINOIS				3	REVISED PER CITY COMMENTS	07/31/25		
KARIS CRITICAL				2	REVISED PER CITY COMMENTS	6/12/25		
				1	ORIGINAL PLAN DATE	4/7/25		



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MATCHLINE - SEE SHEET C6.4

MATCHLINE - SEE SHEET C6.2

UTILITY PLAN - NORTHEAST

1960 WEST LUCENT LANE

NAPERVILLE, ILLINOIS

KARIS CRITICAL

JACOB & HEFNER

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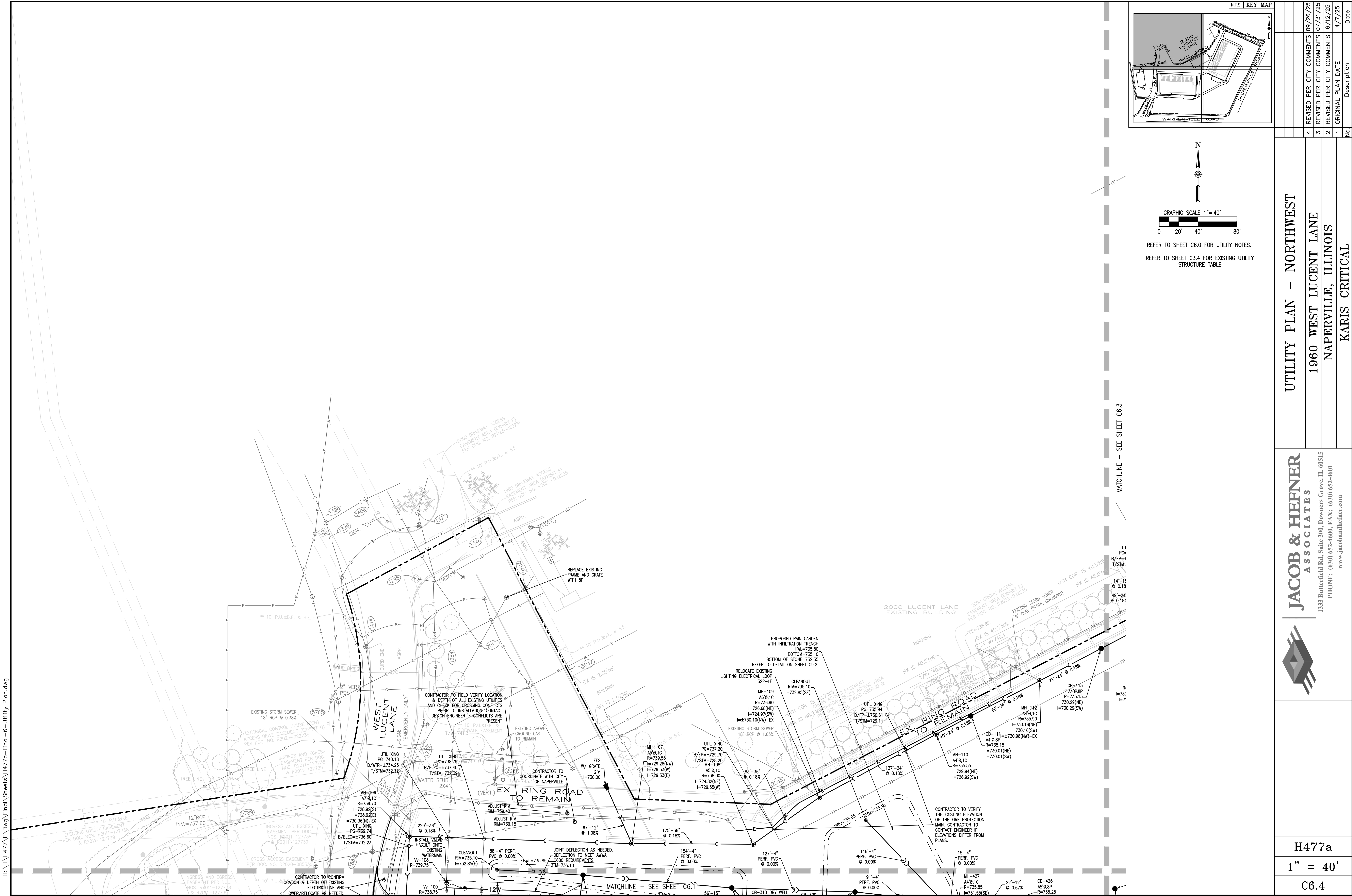
H477a

1" = 40'

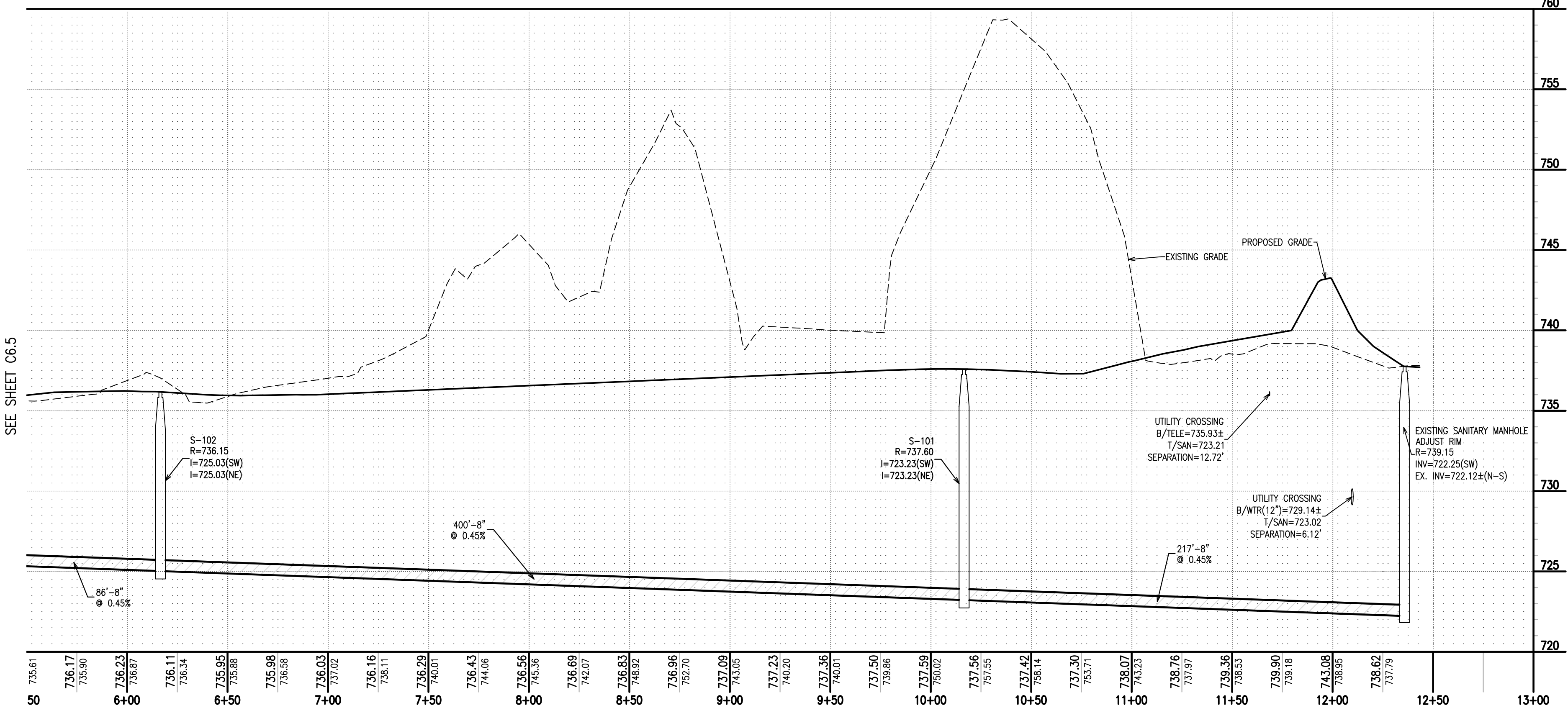
C6.3

No.	Description	Plan Date	Date
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2	REVISED PER CITY COMMENTS	6/12/25	
3	REVISED PER CITY COMMENTS	07/31/25	
4	REVISED PER CITY COMMENTS	09/26/25	

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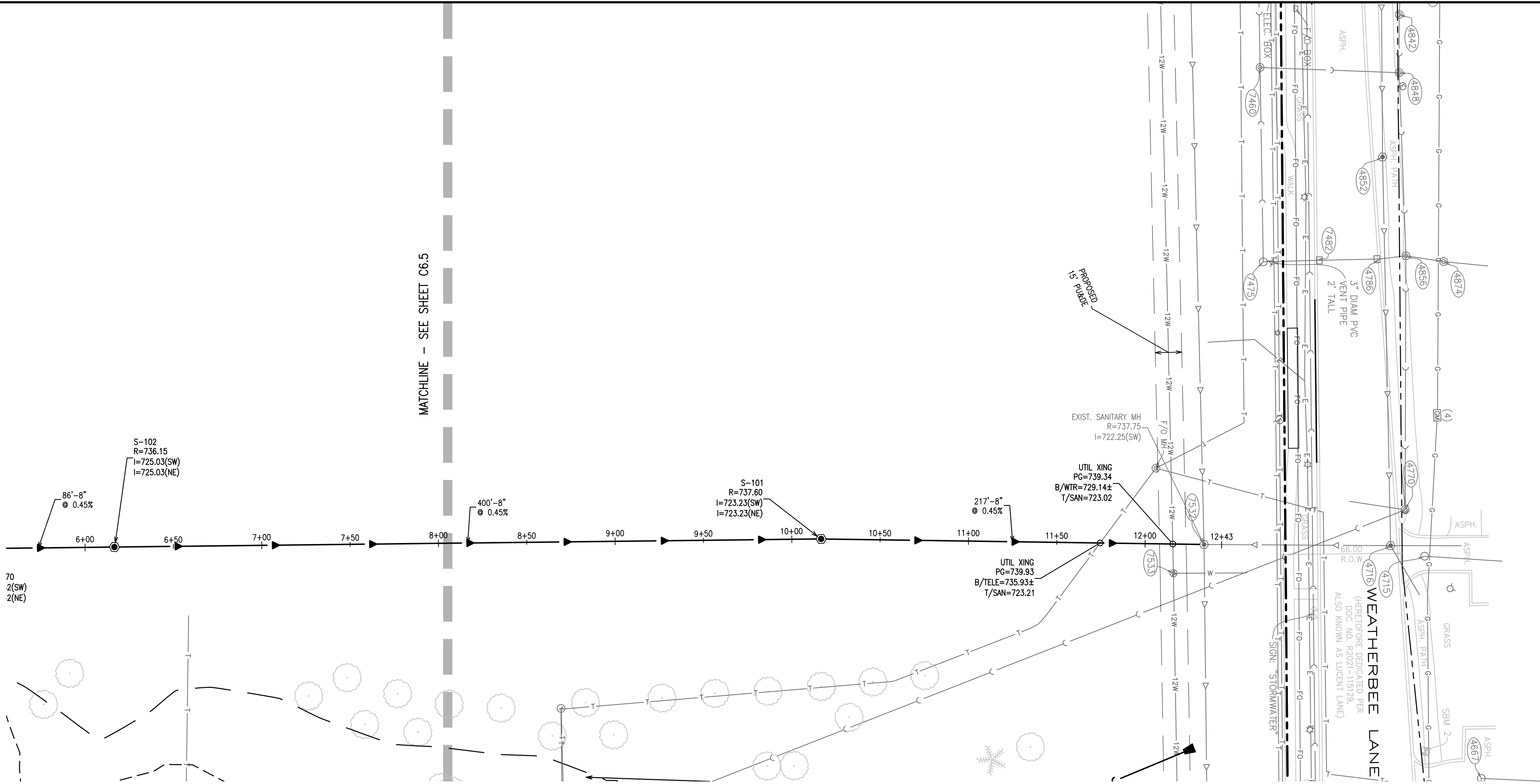
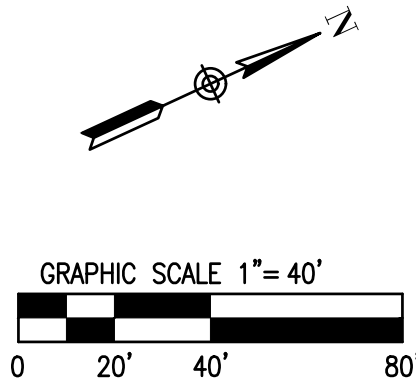


OF SANITARY SERVICE: STA -0+10-13+00

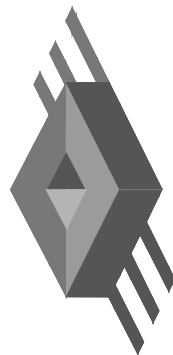


PLAN AND PROFILE NOTES
SEE SHEET C6.0 FOR UTILITY NOTES

PROFILE LEGEND	
	PROPOSED GROUND SURFACE
	EXISTING GROUND SURFACE
	STORM SEWER
	SANITARY SEWER

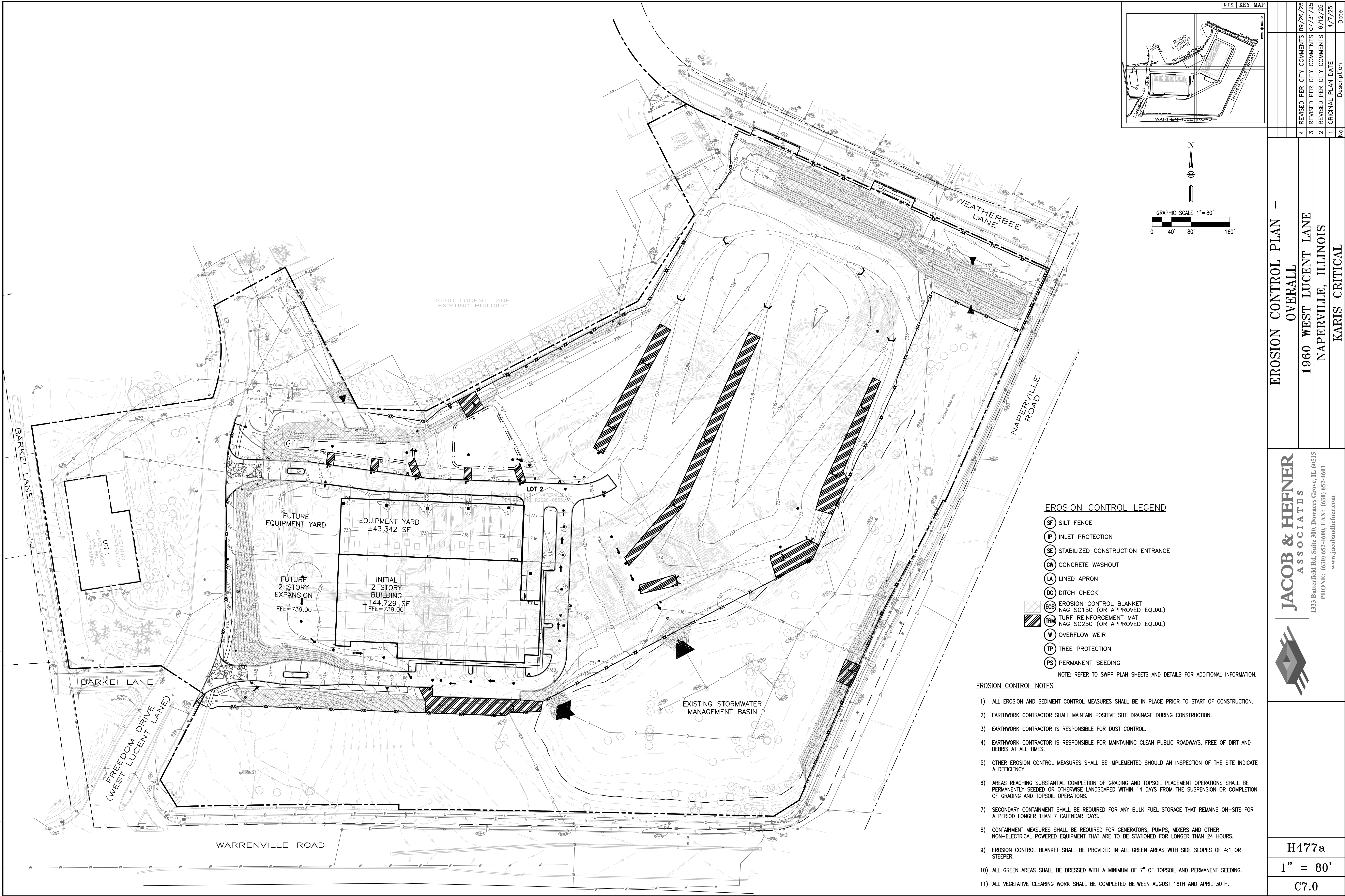


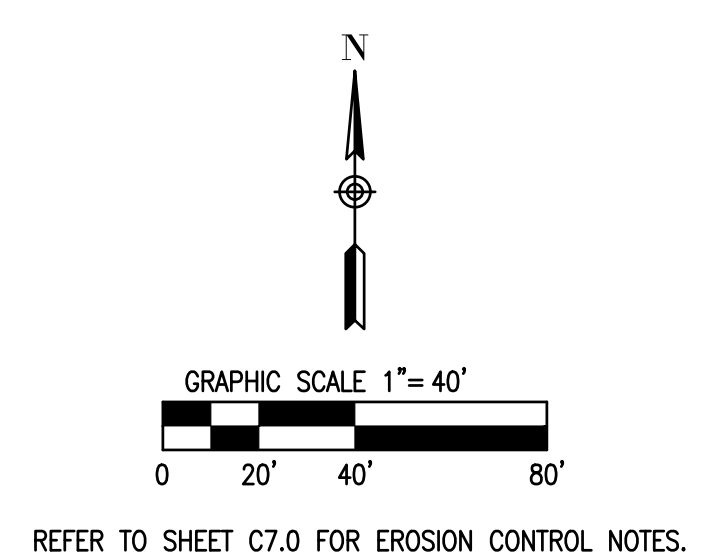
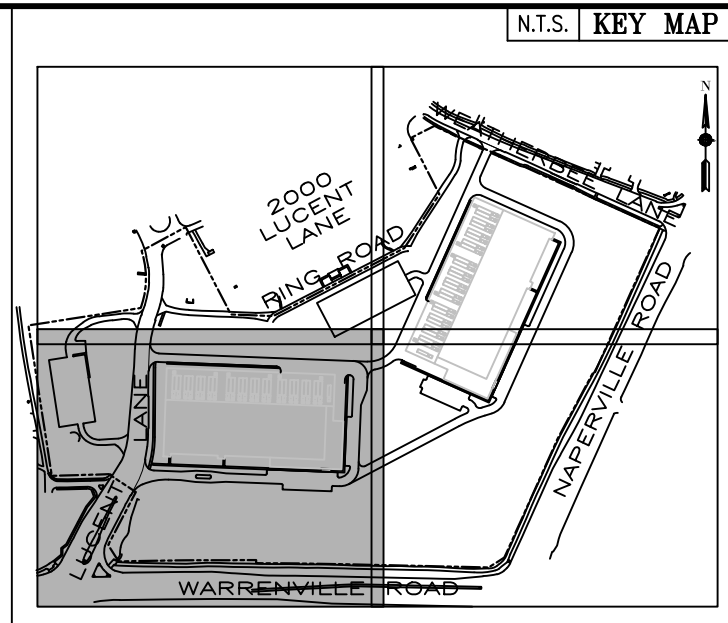
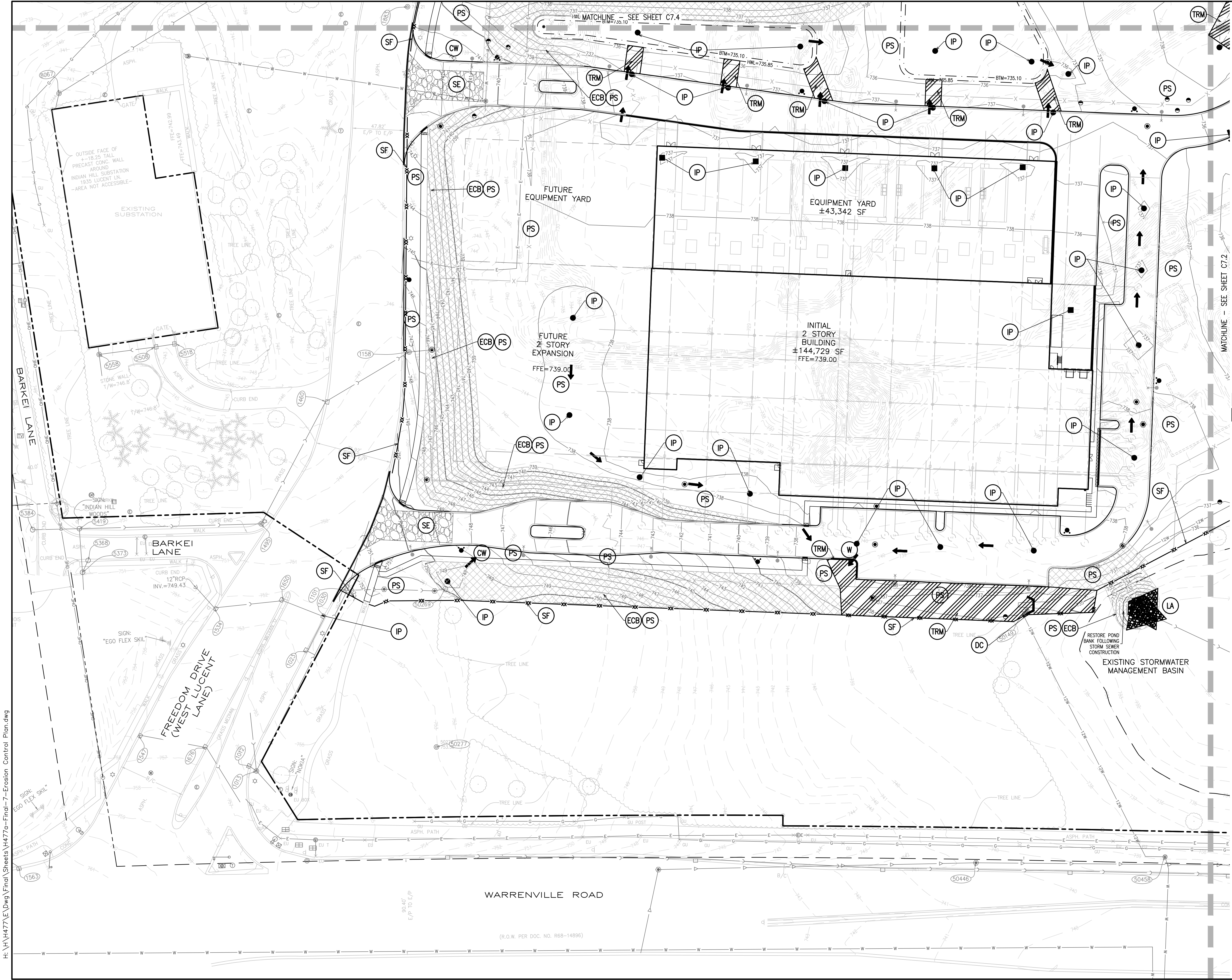
SANITARY PLAN & PROFILE		No.	Description	Date
1960 WEST LUCENT LANE		4	REVISED PER CITY COMMENTS	09/26/25
NAPERVILLE, ILLINOIS		3	REVISED PER CITY COMMENTS	07/31/25
KARIS CRITICAL		2	REVISED PER CITY COMMENTS	6/12/25
		1	ORIGINAL PLAN DATE	4/7/25



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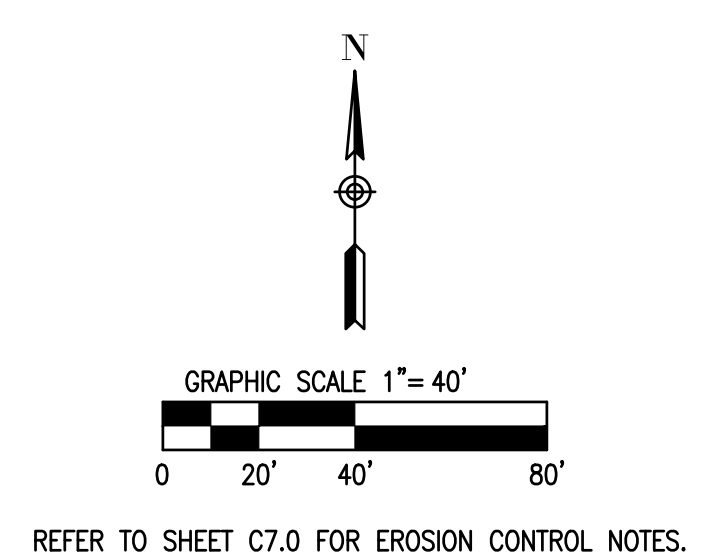
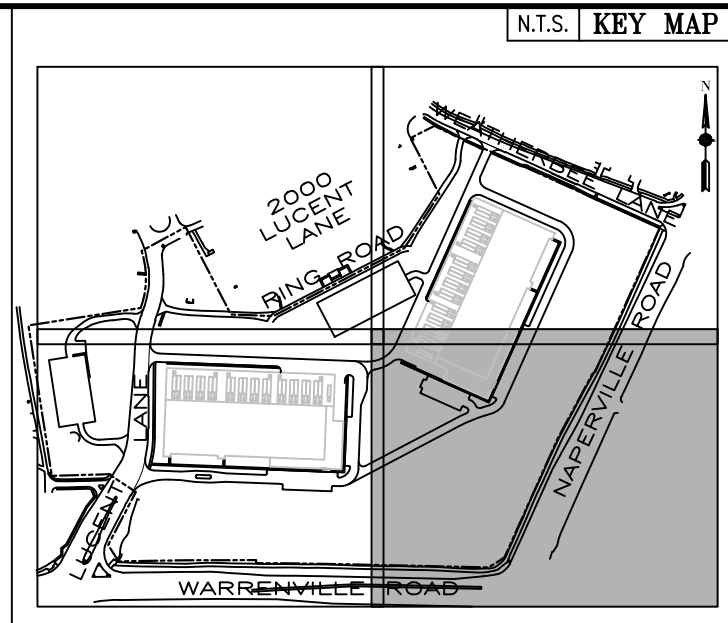
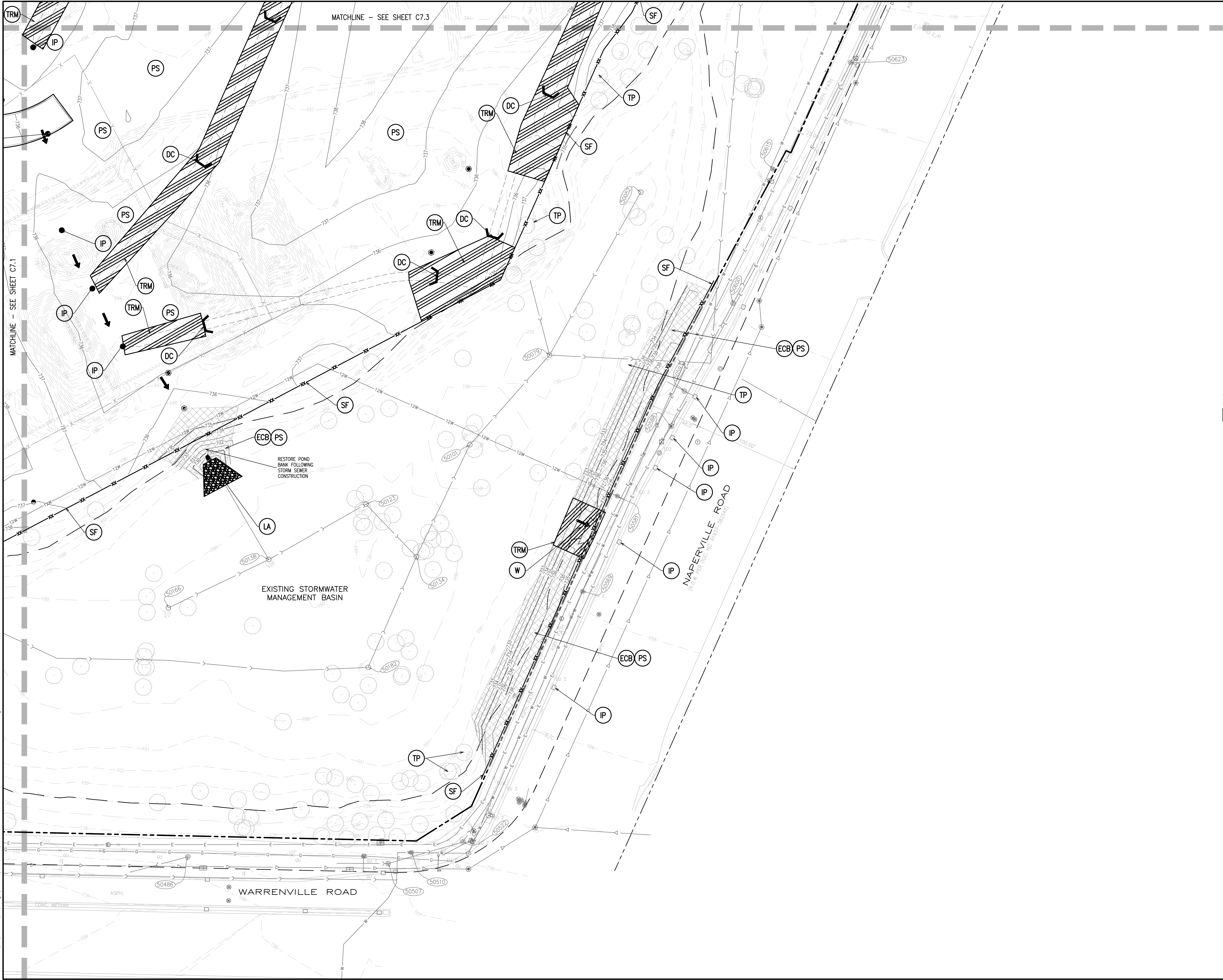




- REFER TO SHEET C7.0 FOR EROSION CONTROL NOTES.
- EROSION CONTROL LEGEND**
- (SF) SILT FENCE
 - (IP) INLET PROTECTION
 - (SE) STABILIZED CONSTRUCTION ENTRANCE
 - (CW) CONCRETE WASHOUT
 - (LA) LINED APRON
 - (DC) DITCH CHECK
 - (ECB) EROSION CONTROL BLANKET
NAG SC150 (OR APPROVED EQUAL)
 - (TRM) TURF REINFORCEMENT MAT
NAG SC250 (OR APPROVED EQUAL)
 - (W) OVERFLOW WEIR
 - (TP) TREE PROTECTION
 - (PS) PERMANENT SEEDING
- NOTE: REFER TO SWPP PLAN SHEETS AND DETAILS FOR ADDITIONAL INFORMATION.

EROSION CONTROL PLAN - SOUTHWEST	
1960 WEST LUCENT LANE NAPERVILLE, ILLINOIS	
KARIS CRITICAL	
JACOB & HEFNER ASSOCIATES	
1333 Butterfield Rd, Suite 300, Downers Grove, IL 60515 PHONE: (630) 652-4600, FAX: (630) 652-4601 www.jacobandhefner.com	
H477a	
1" = 40'	
C7.1	
No.	Description
4	REVISED PER CITY COMMENTS 09/26/25
3	REVISED PER CITY COMMENTS 07/31/25
2	REVISED PER CITY COMMENTS 6/12/25
1	ORIGINAL PLAN DATE 4/7/25
No.	Date

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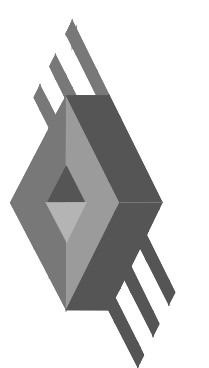


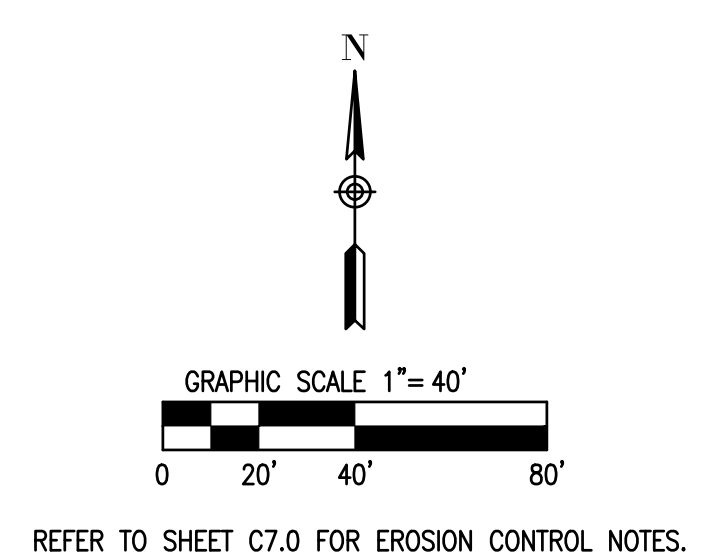
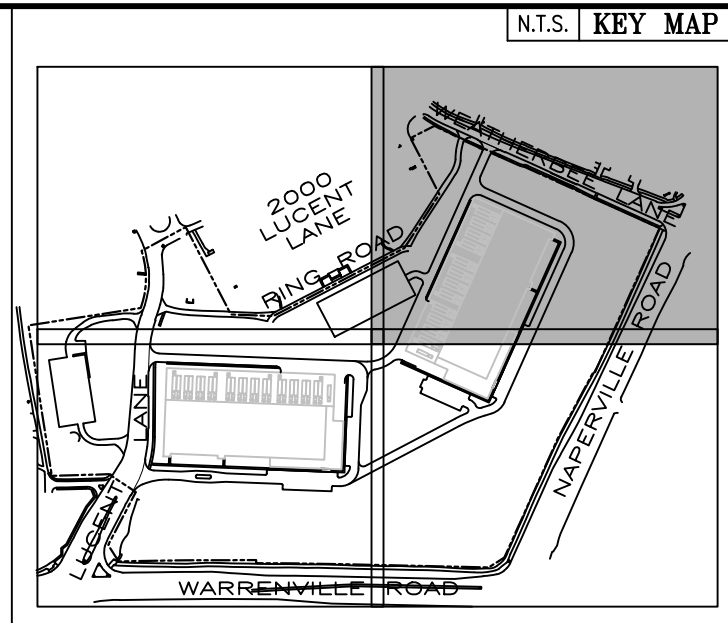
- REFER TO SHEET C7.0 FOR EROSION CONTROL NOTES.
- EROSION CONTROL LEGEND**
- (SF) SILT FENCE
 - (IP) INLET PROTECTION
 - (SE) STABILIZED CONSTRUCTION ENTRANCE
 - (CW) CONCRETE WASHOUT
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NAG SC150 (OR APPROVED EQUAL)
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 - (W) OVERFLOW WEIR
 - (TP) TREE PROTECTION
 - (PS) PERMANENT SEEDING
- NOTE: REFER TO SWPP PLAN SHEETS AND DETAILS FOR ADDITIONAL INFORMATION.

EROSION CONTROL PLAN - SOUTHEAST					
1960 WEST LUCENT LANE				4	REVISED PER CITY COMMENTS 09/26/25
NAPERVILLE, ILLINOIS				3	REVISED PER CITY COMMENTS 07/31/25
KARIS CRITICAL				2	REVISED PER CITY COMMENTS 6/12/25
				1	ORIGINAL PLAN DATE 4/7/25
				No.	Description
					Date
H477a					
1" = 40'					
C7.2					

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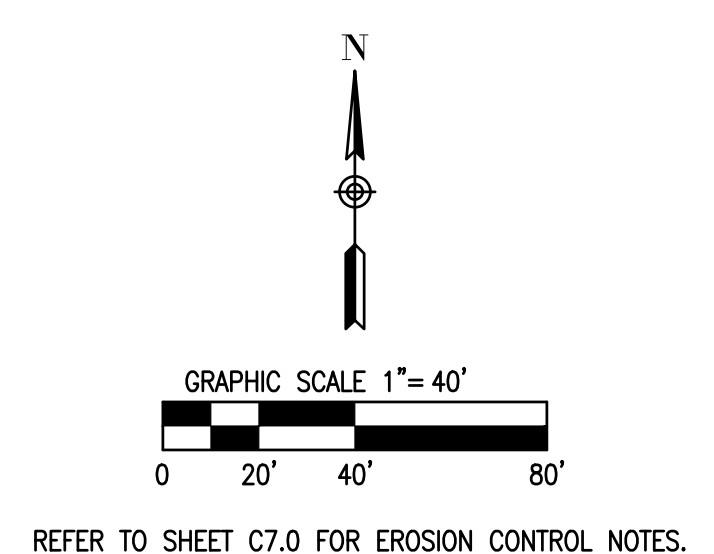
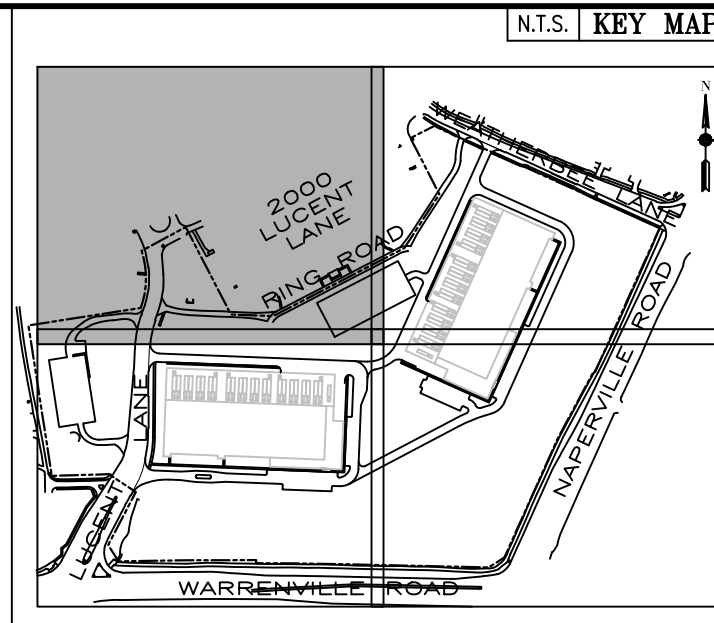
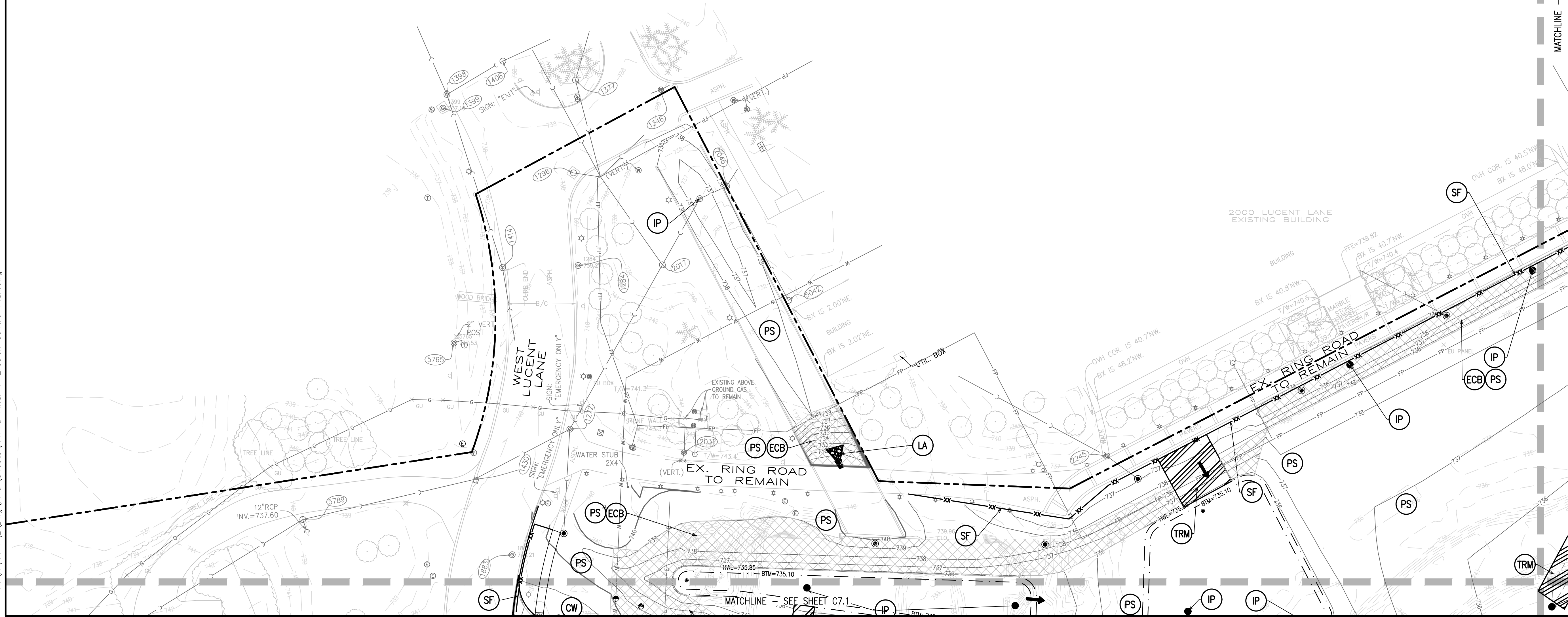




- EROSION CONTROL LEGEND
- (SF) SILT FENCE
 - (IP) INLET PROTECTION
 - (SE) STABILIZED CONSTRUCTION ENTRANCE
 - (CW) CONCRETE WASHOUT
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 - (TP) TREE PROTECTION
 - (PS) PERMANENT SEEDING
- NOTE: REFER TO SWPP PLAN SHEETS AND DETAILS FOR ADDITIONAL INFORMATION.

EROSION CONTROL PLAN - NORTHEAST		H477a	
1960 WEST LUCENT LANE		1" = 40'	
NAPERVILLE, ILLINOIS		C7.3	
KARIS CRITICAL			
JACOB & HEFNER ASSOCIATES			
1333 Butterfield Rd, Suite 300, Downers Grove, IL 60515 PHONE: (630) 652-4600, FAX: (630) 652-4601 www.jacobandhefner.com			
4	REVISED PER CITY COMMENTS	09/26/25	Date
3	REVISED PER CITY COMMENTS	07/31/25	Description
2	REVISED PER CITY COMMENTS	6/12/25	
1	ORIGINAL PLAN DATE	4/7/25	

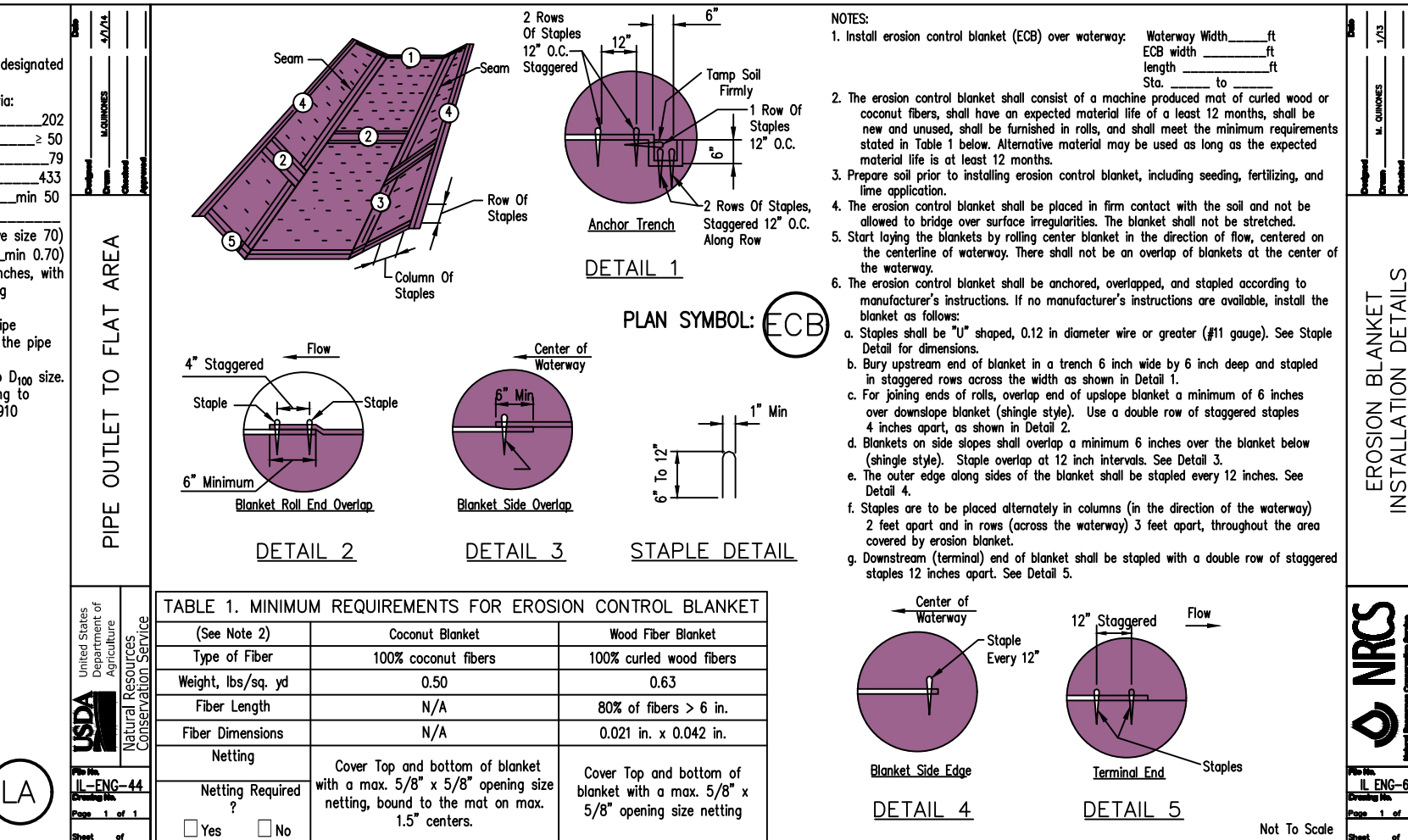
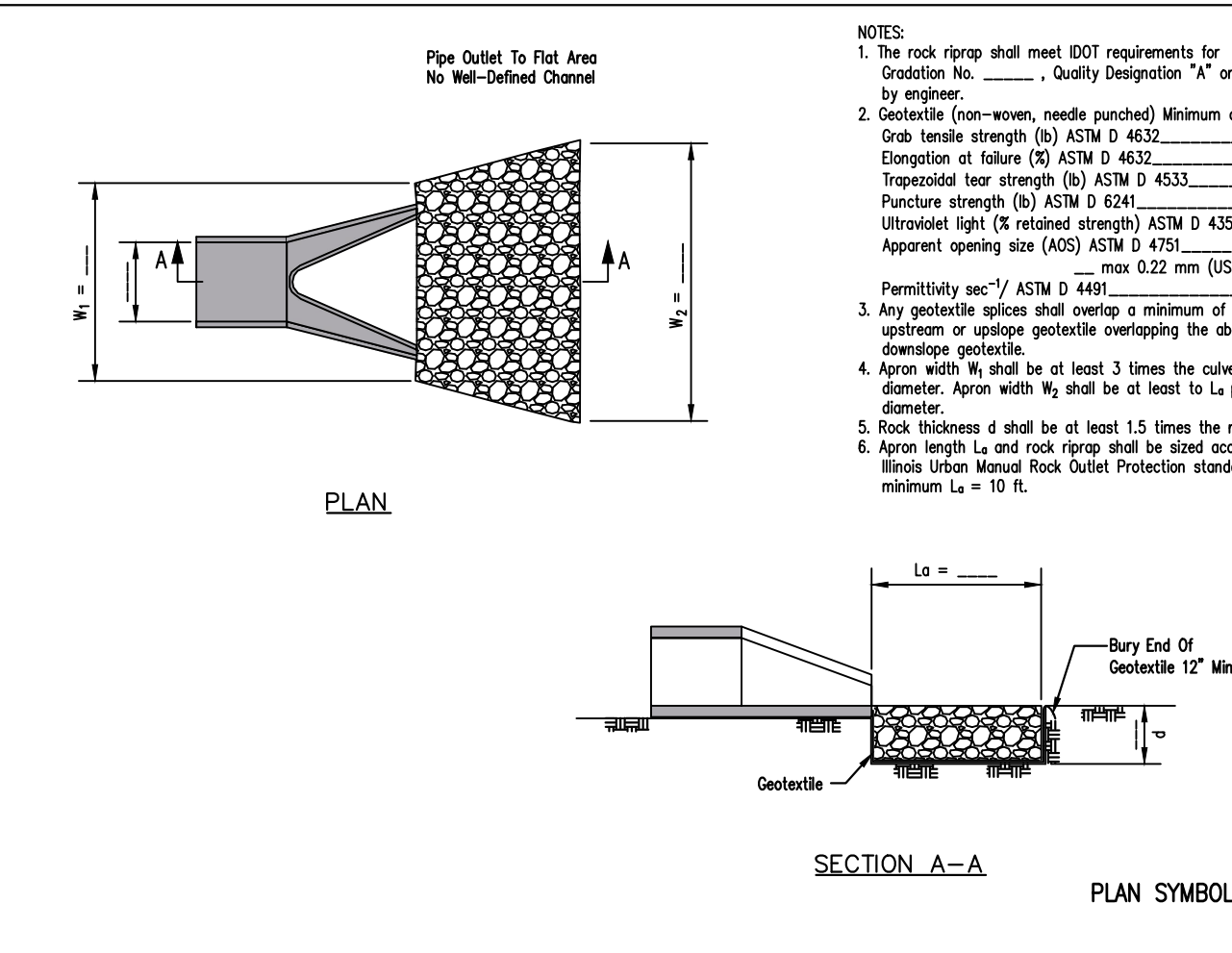
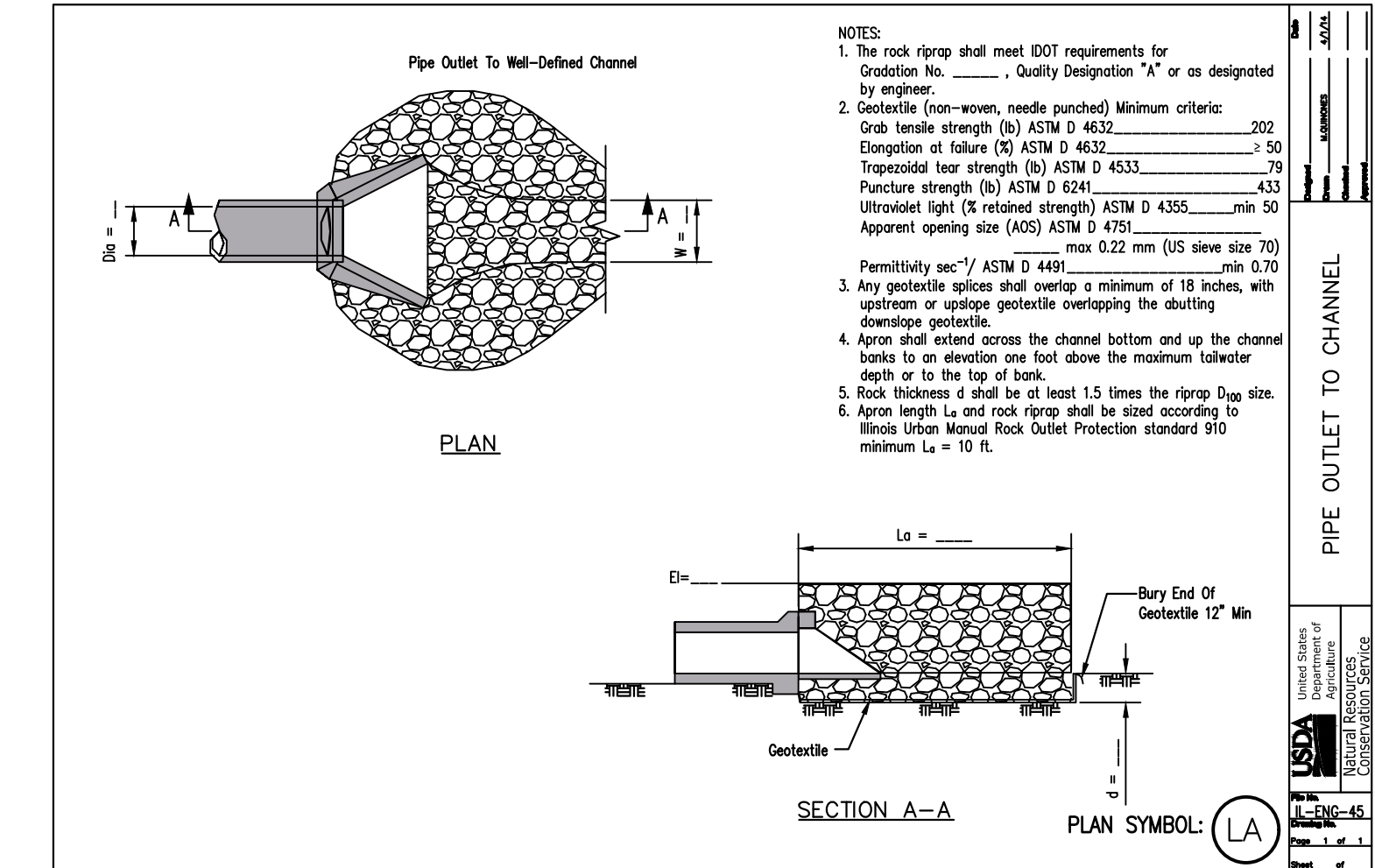
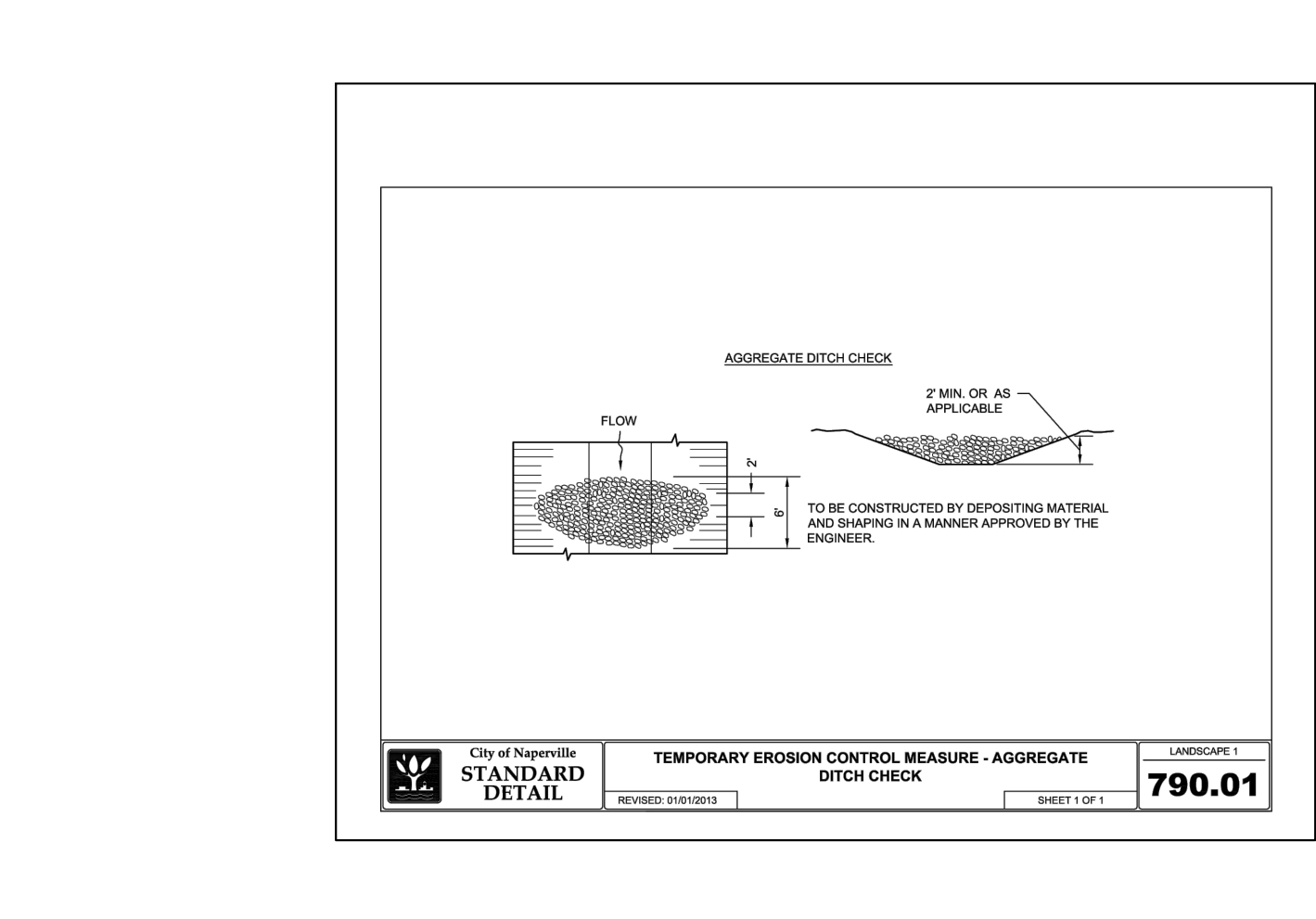
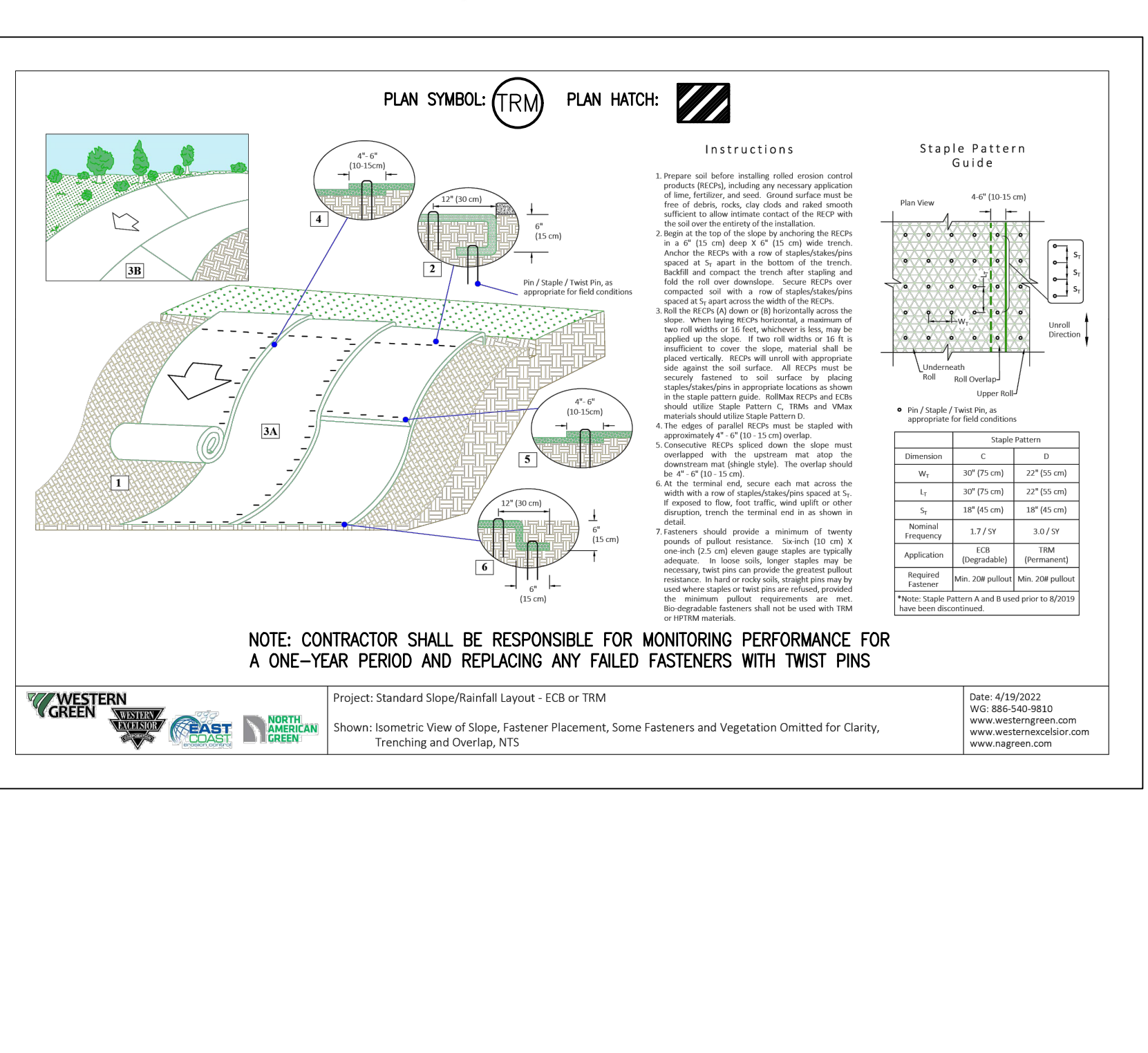
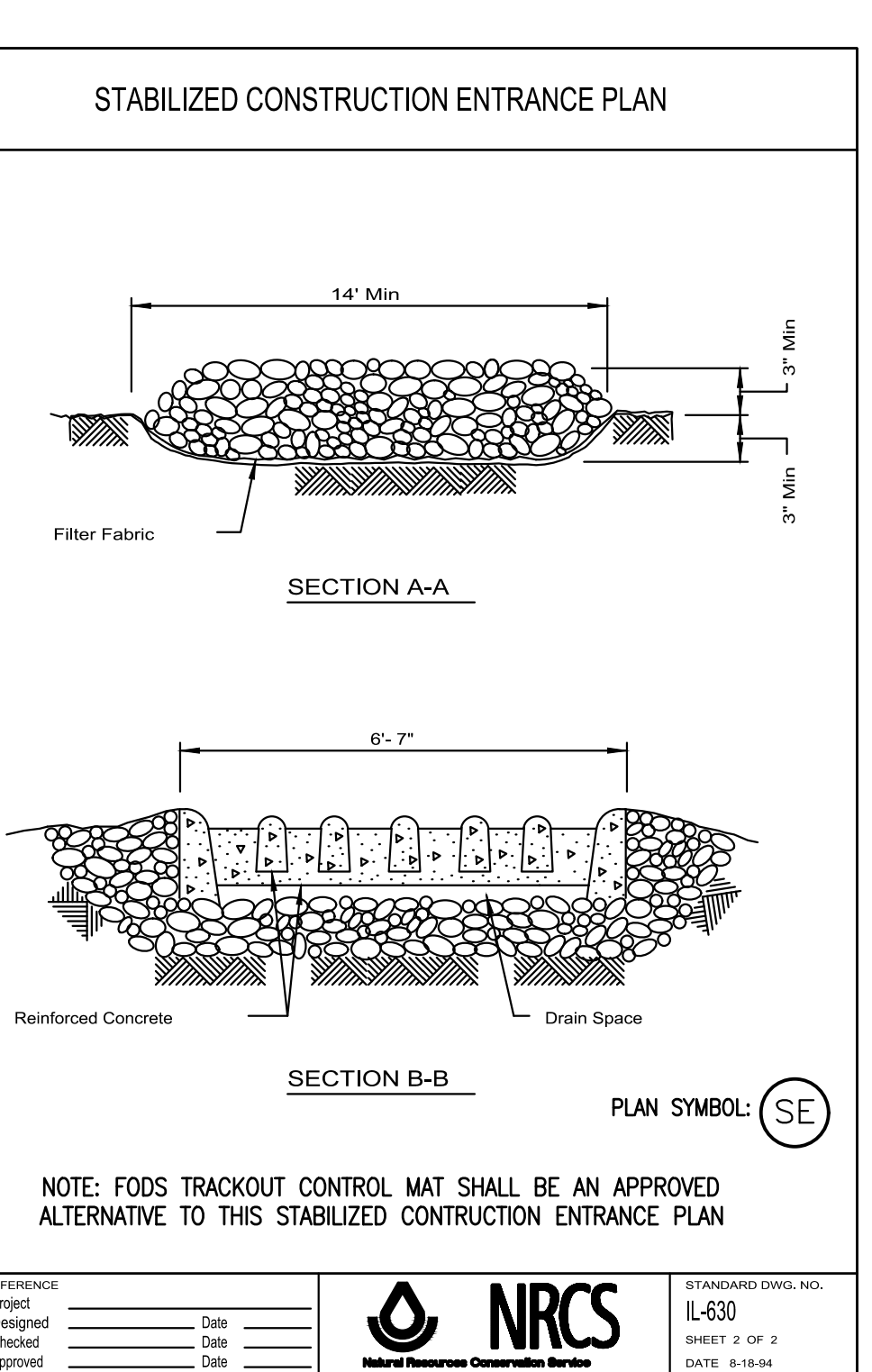
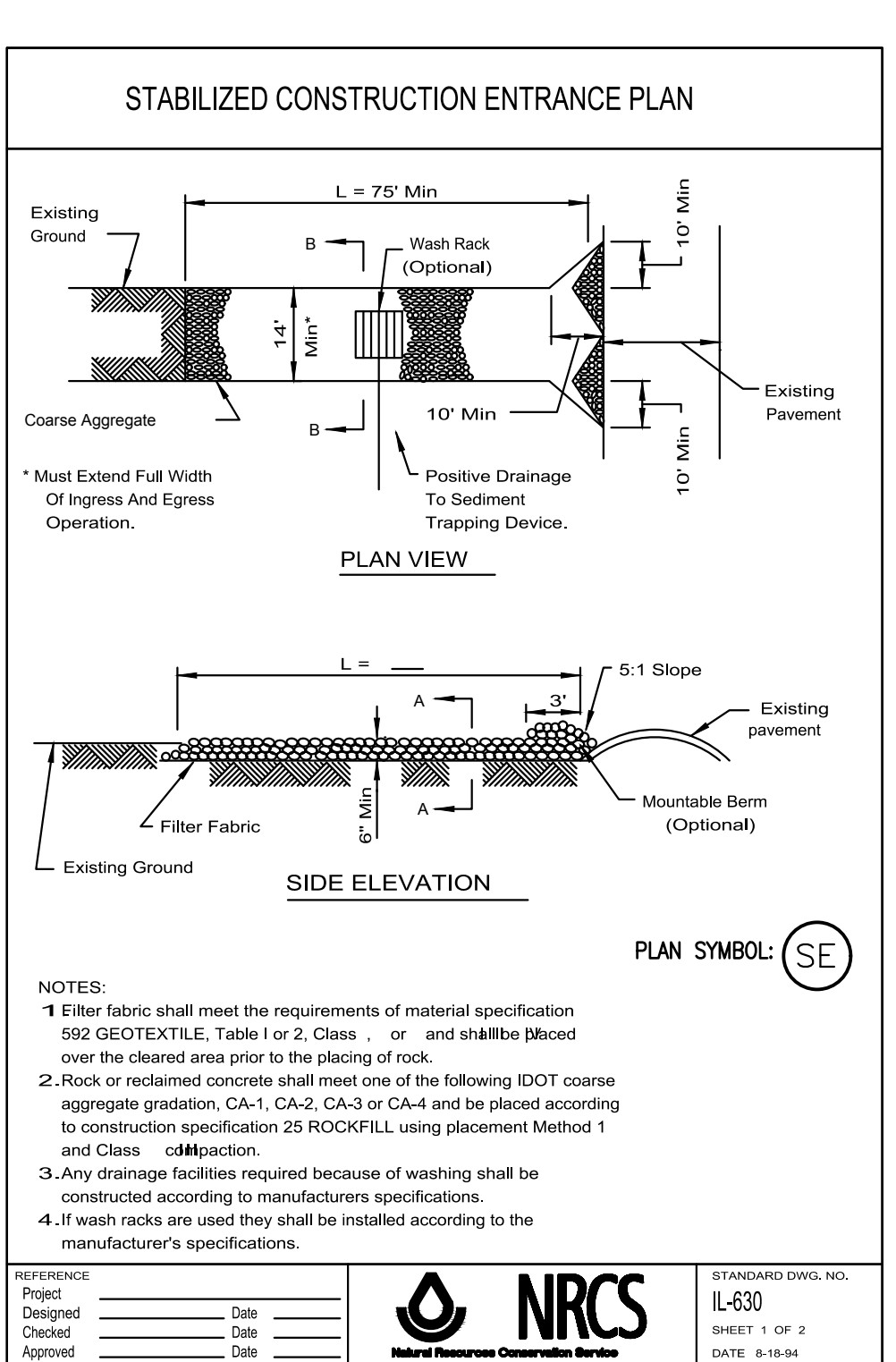
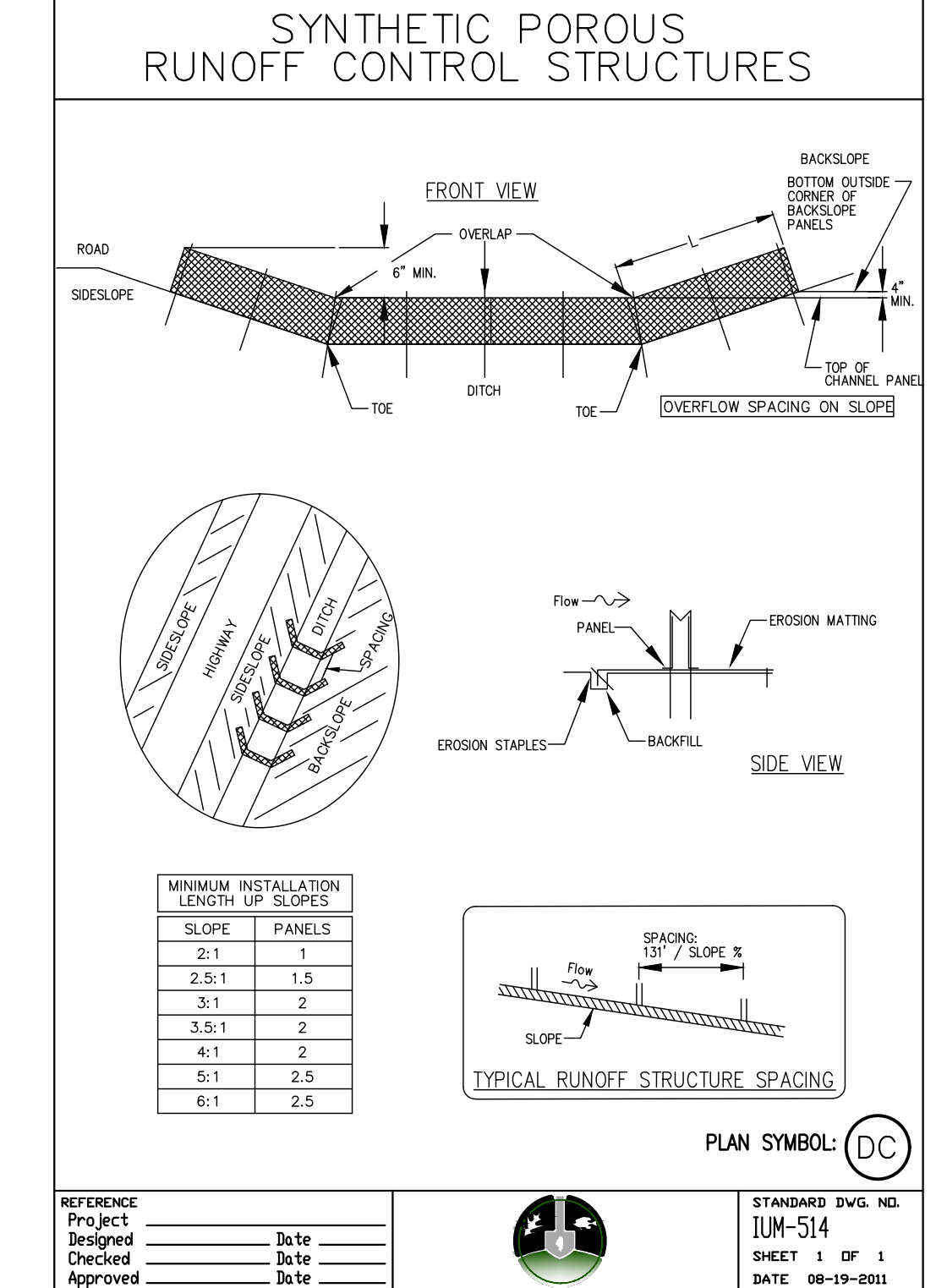
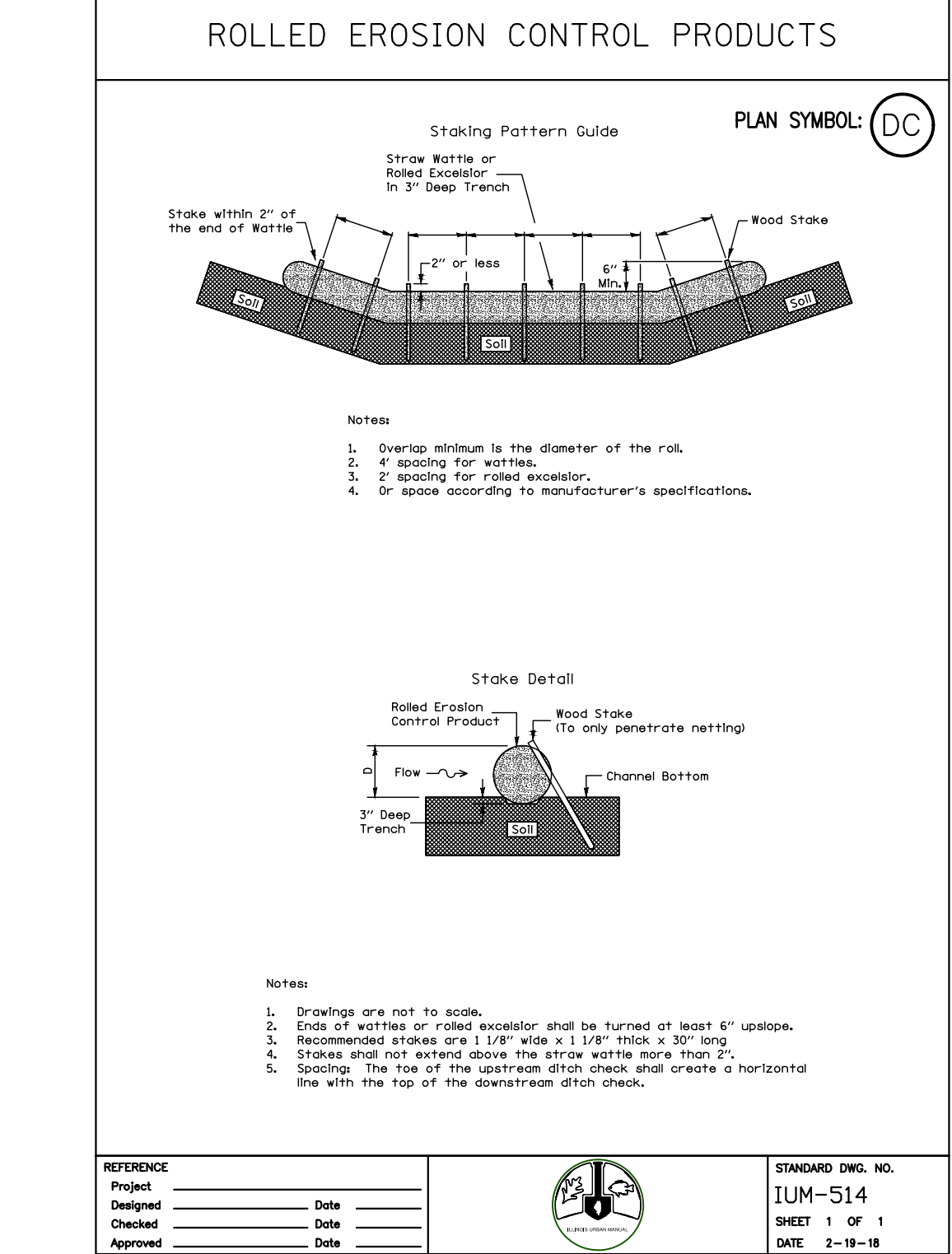
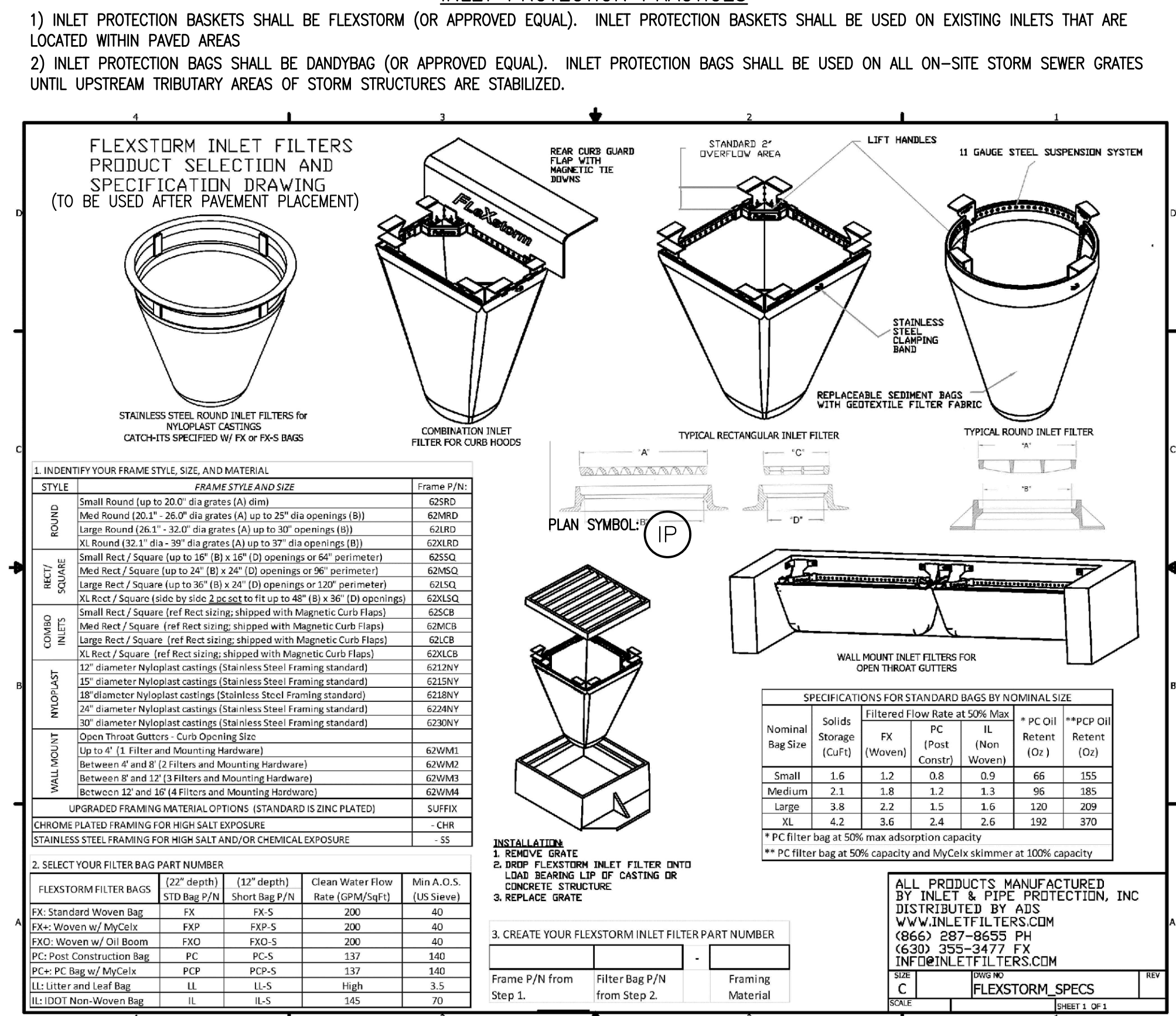
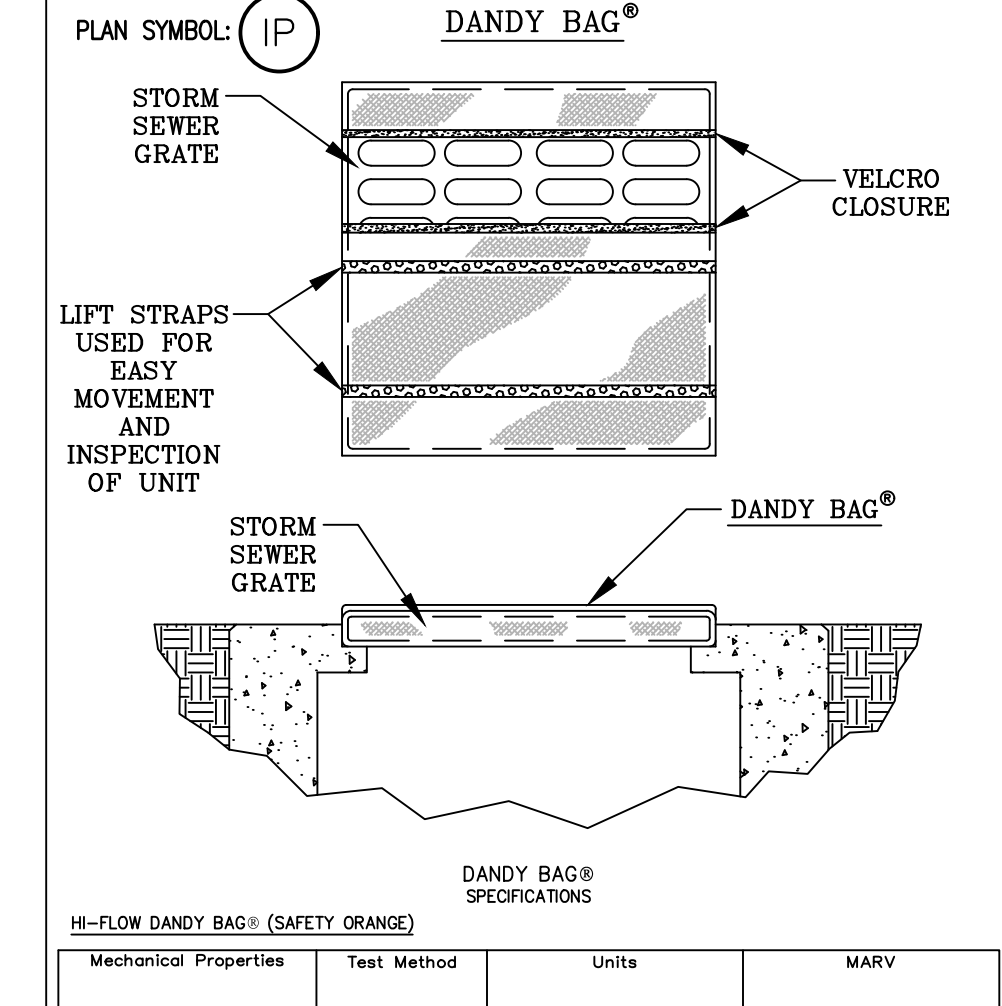
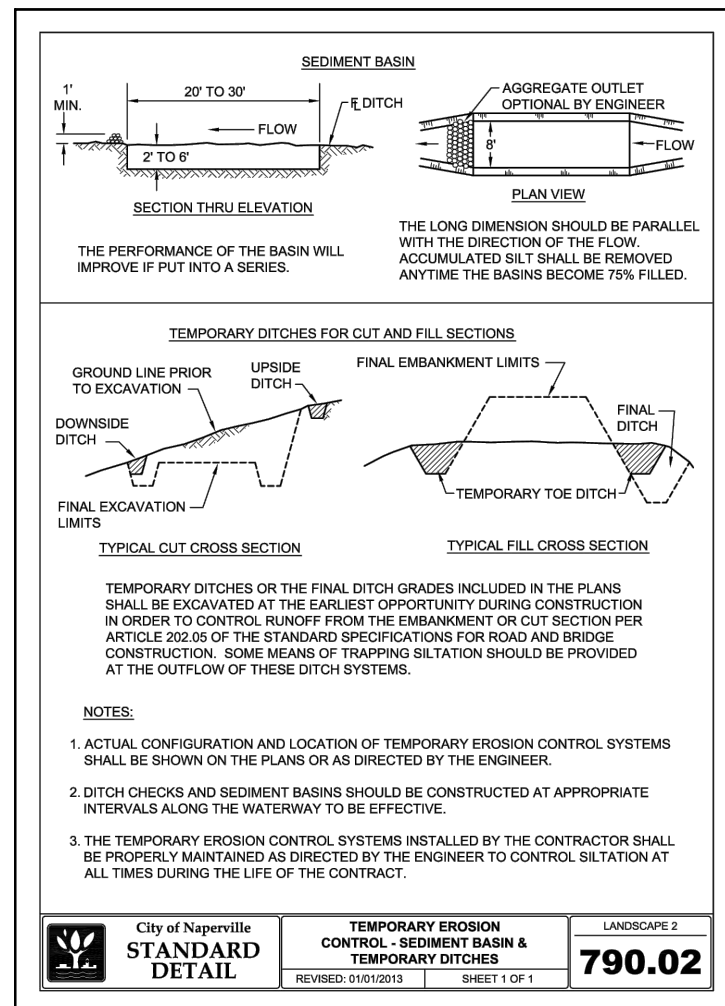
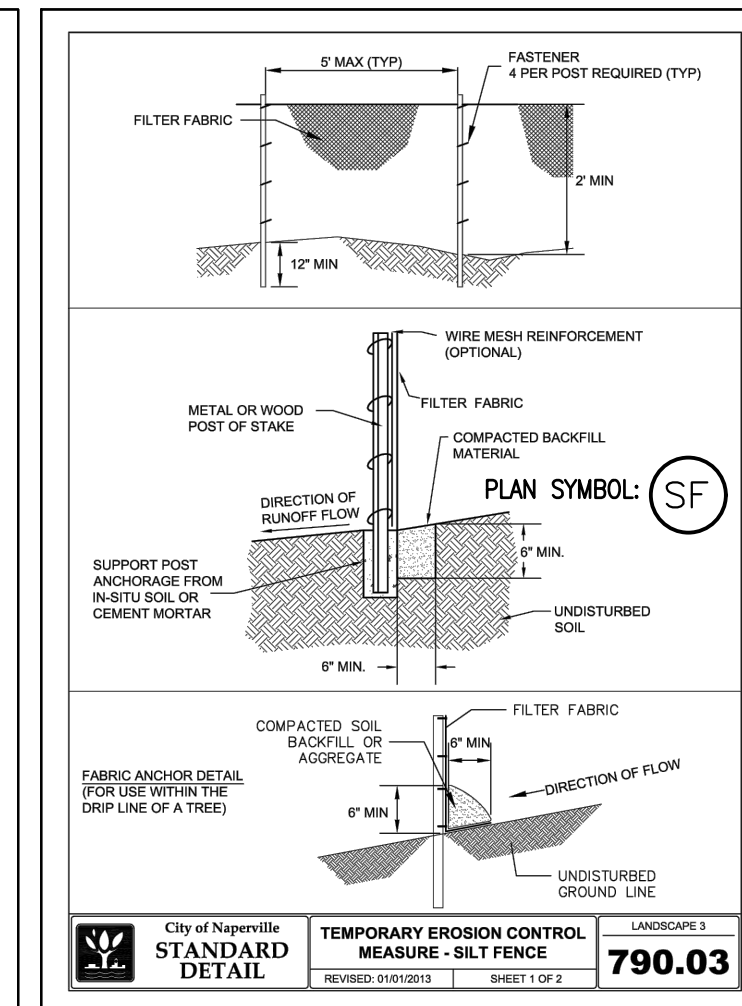
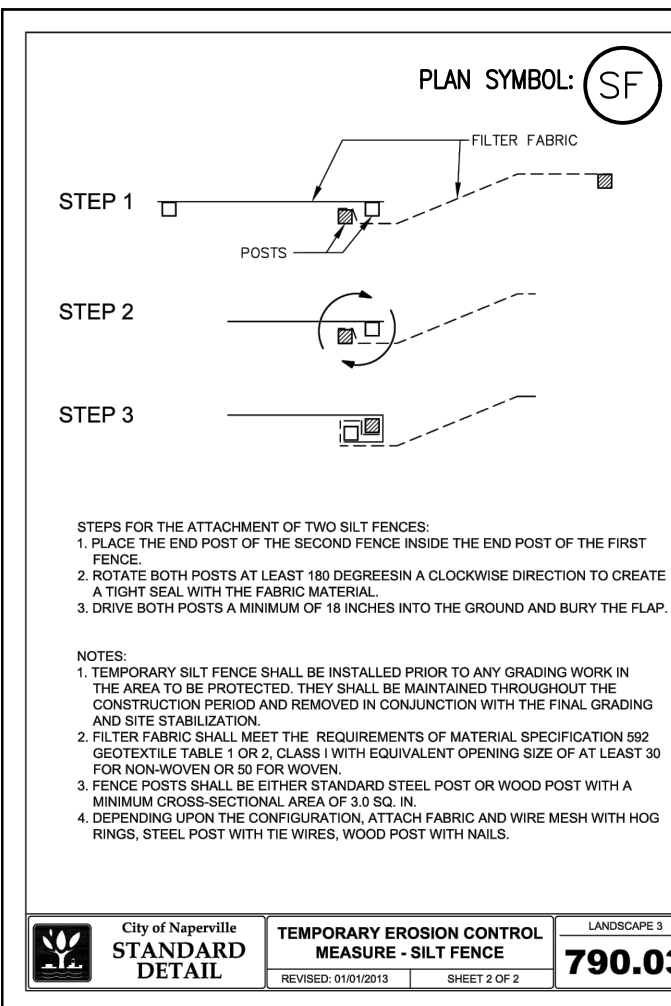
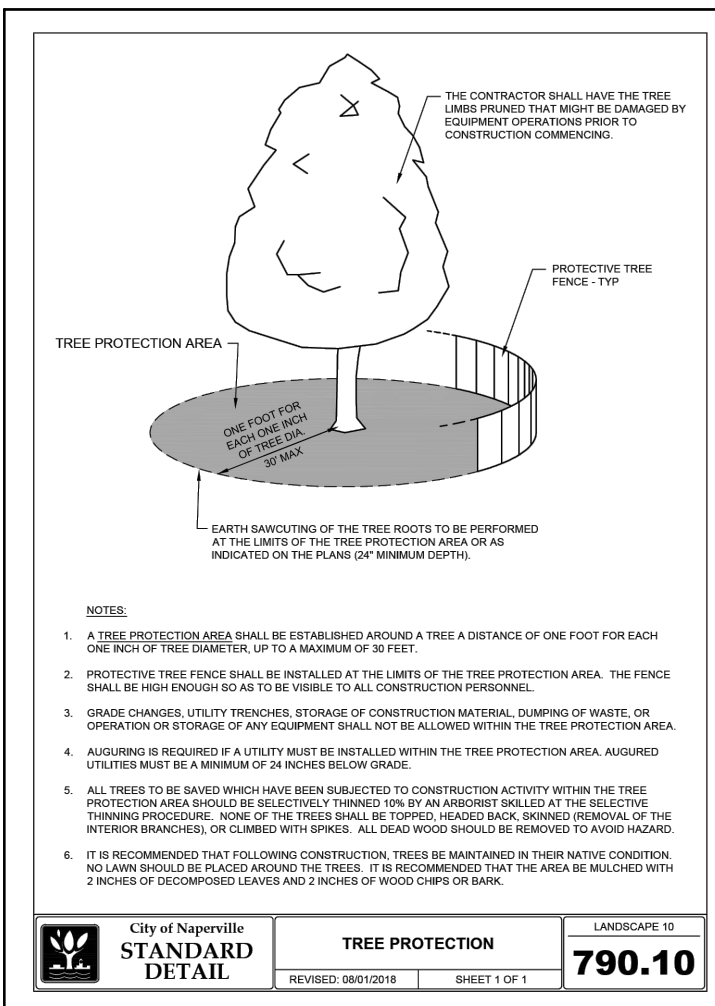
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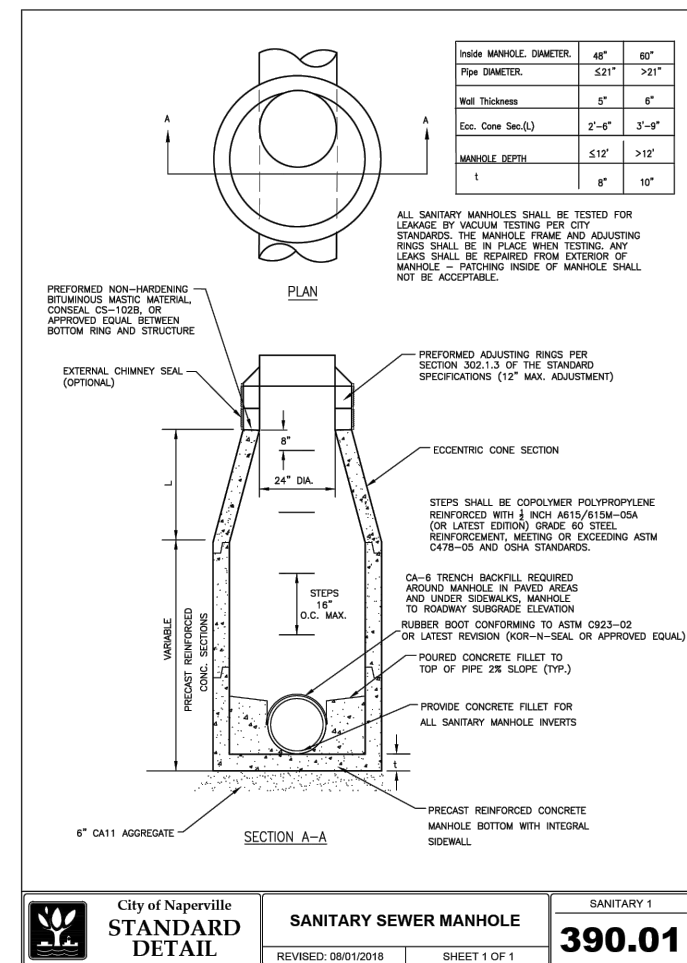
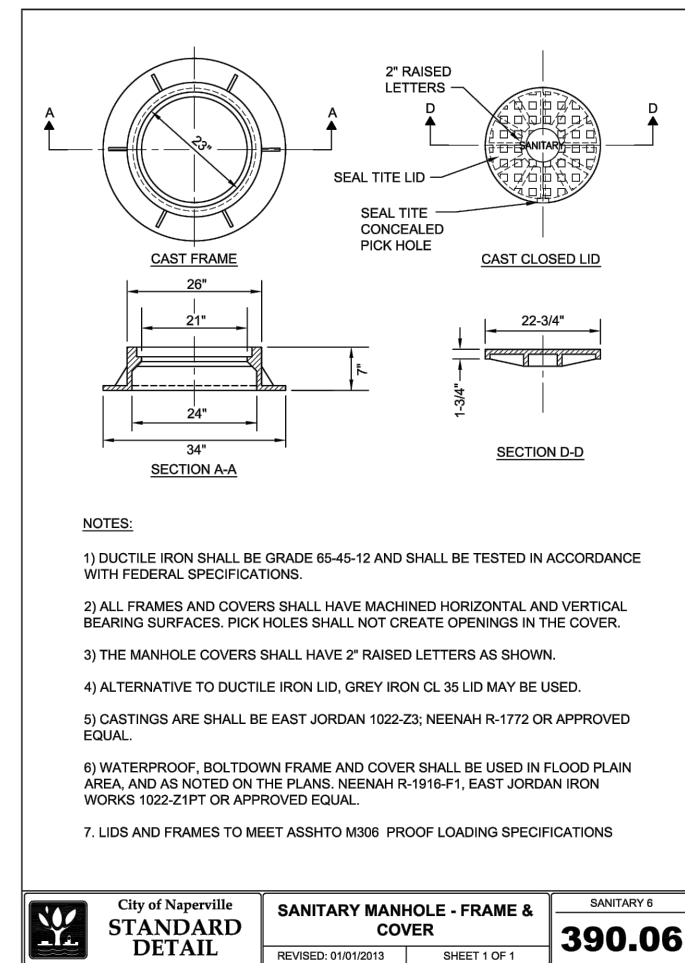
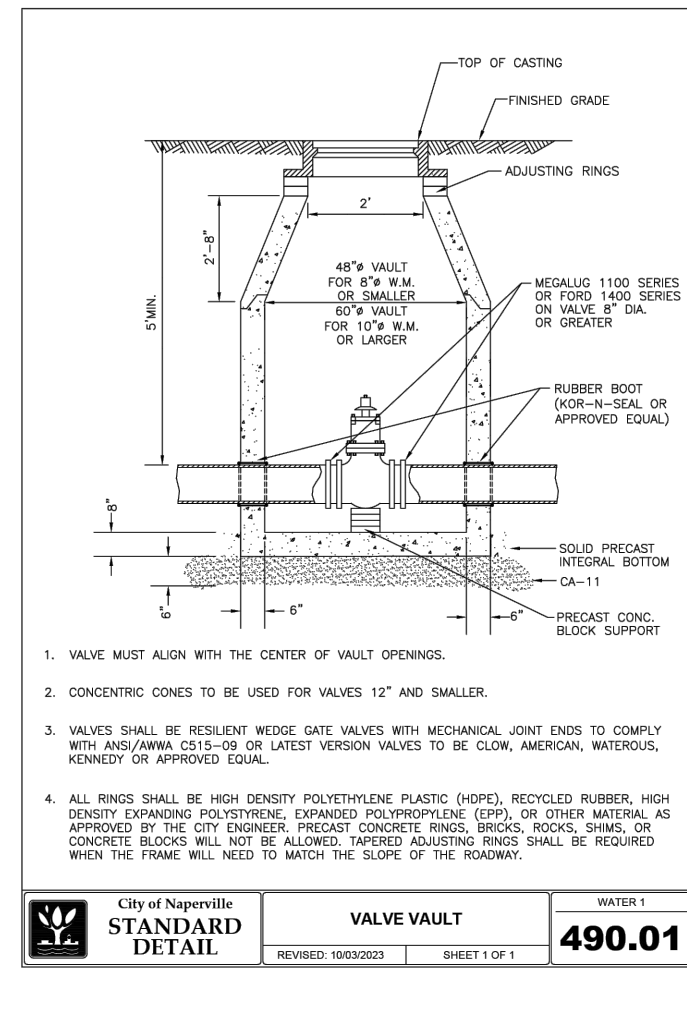
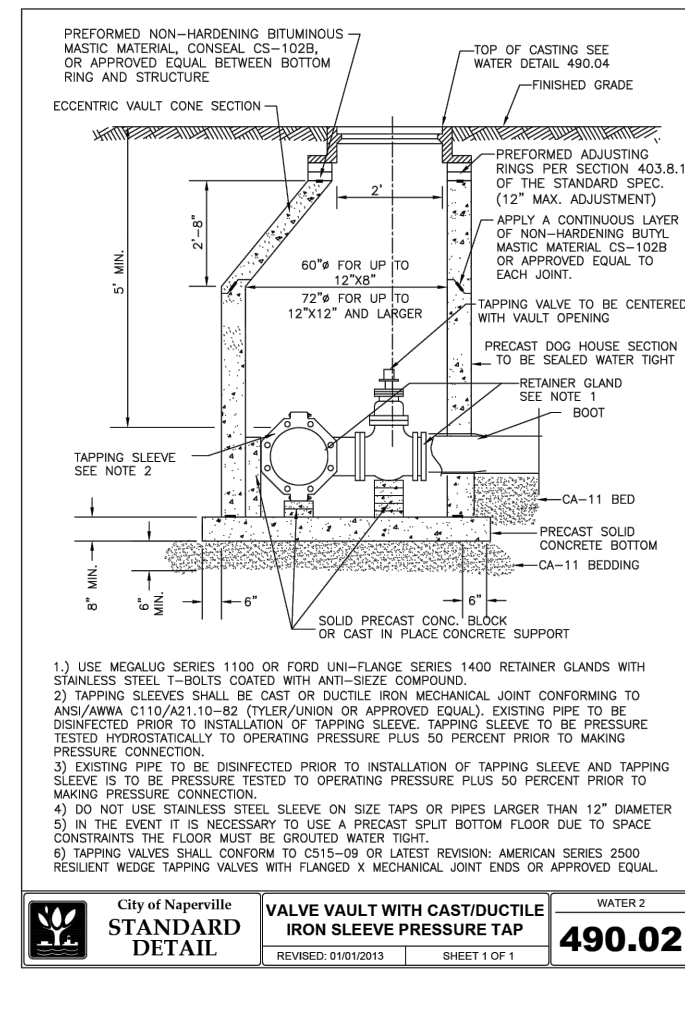
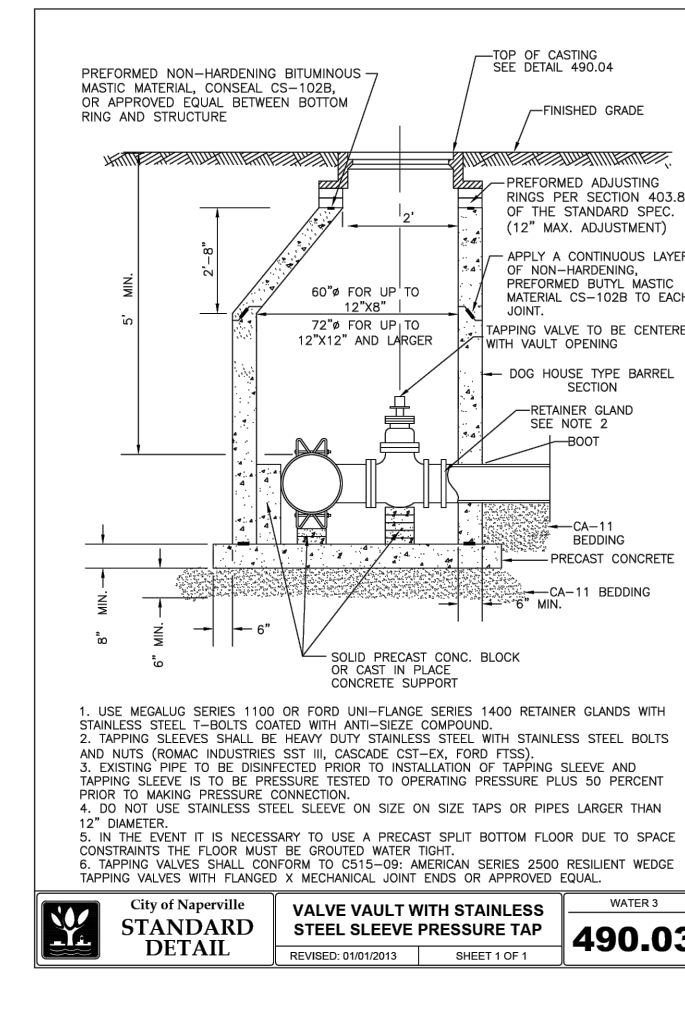
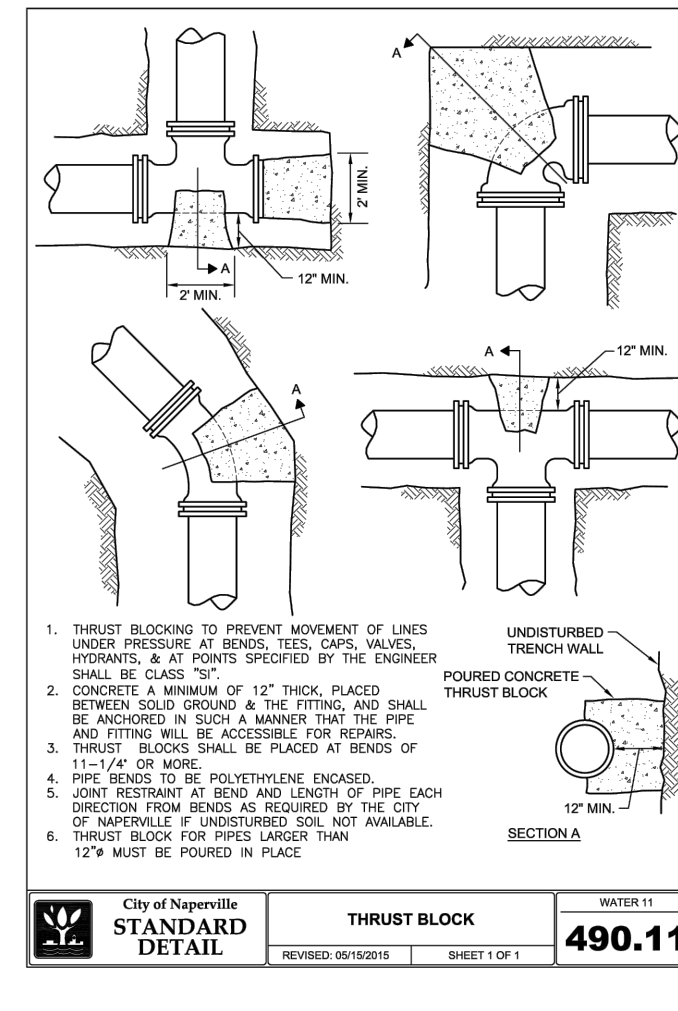
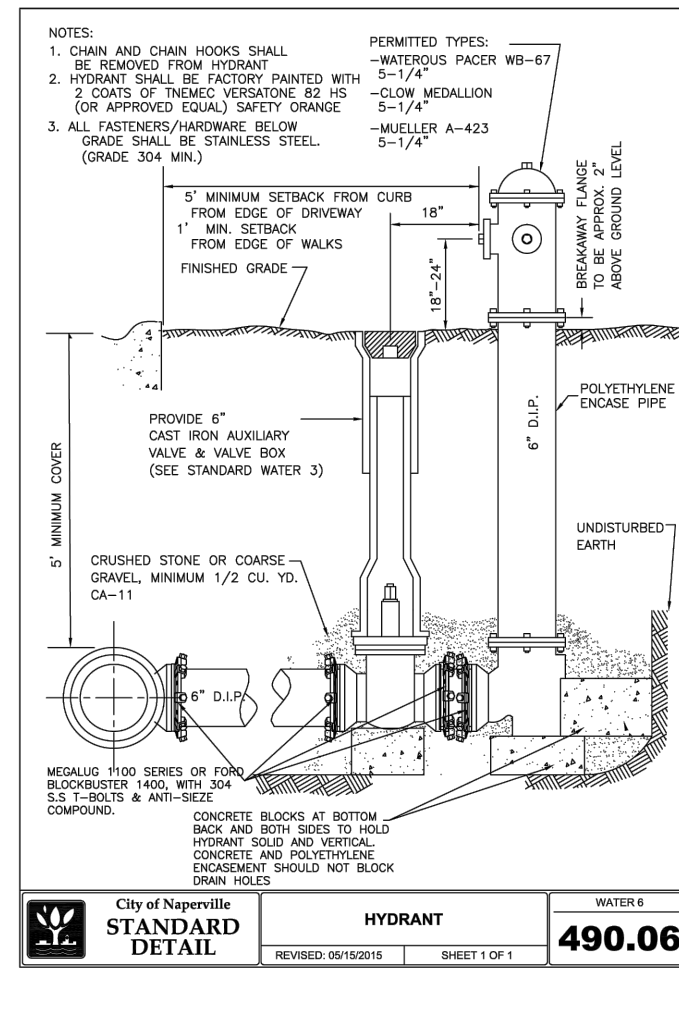
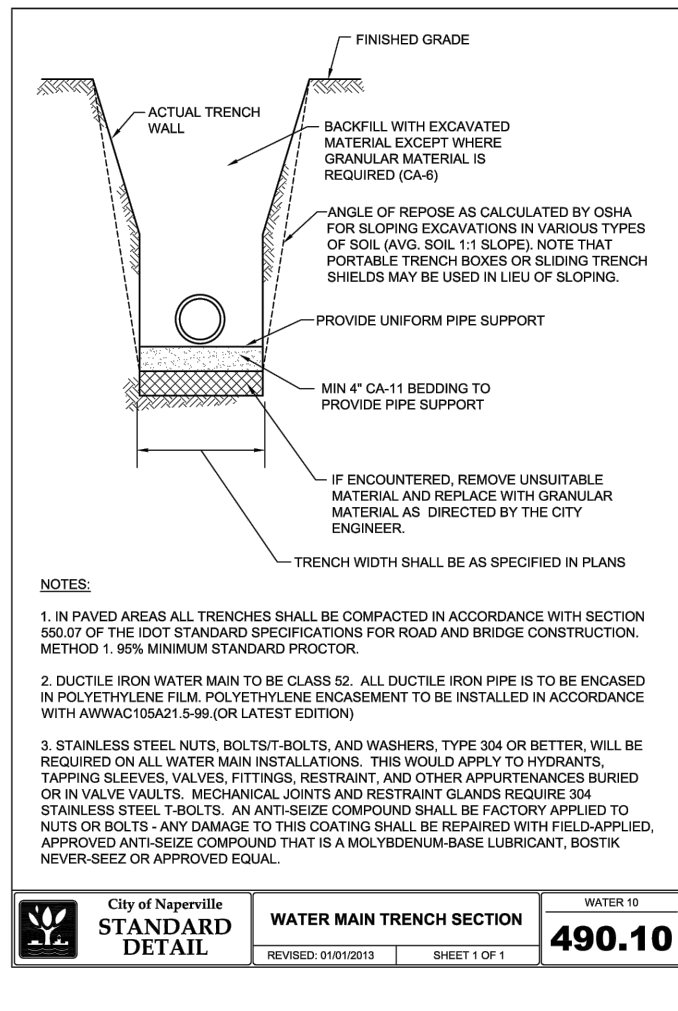
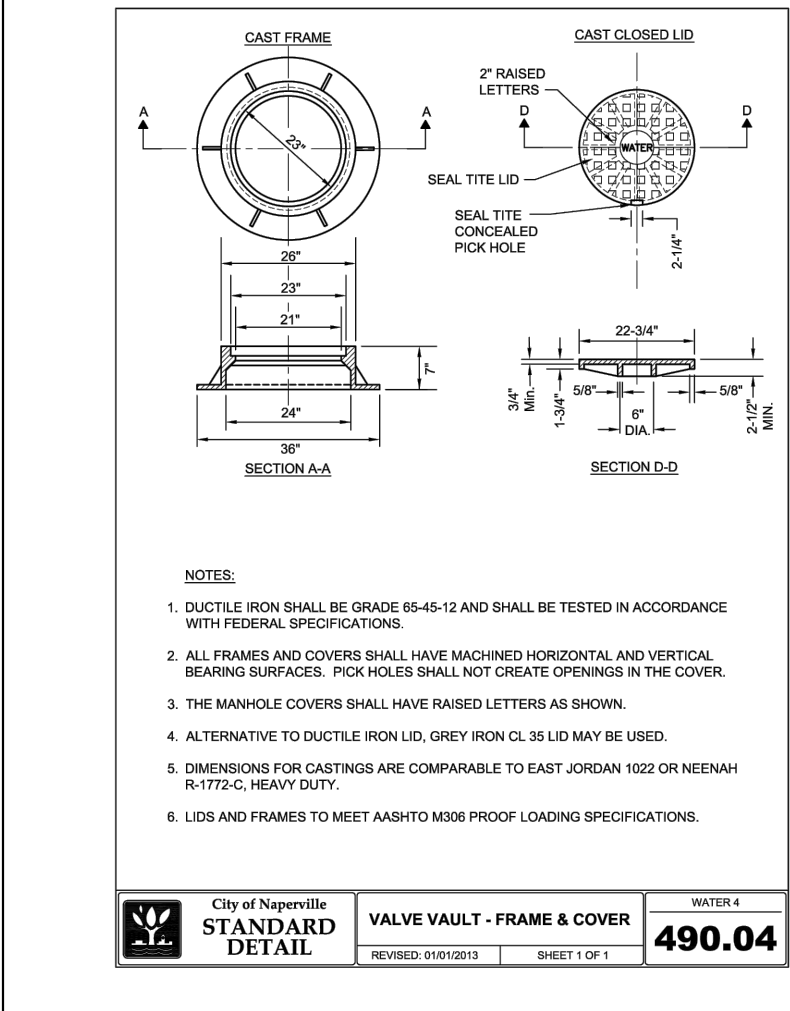
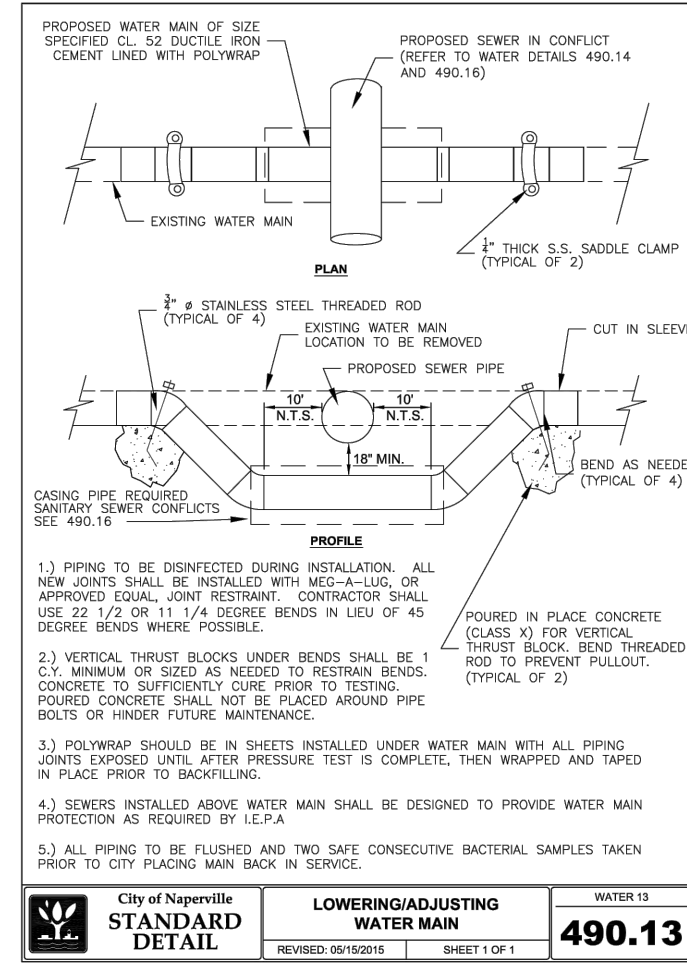
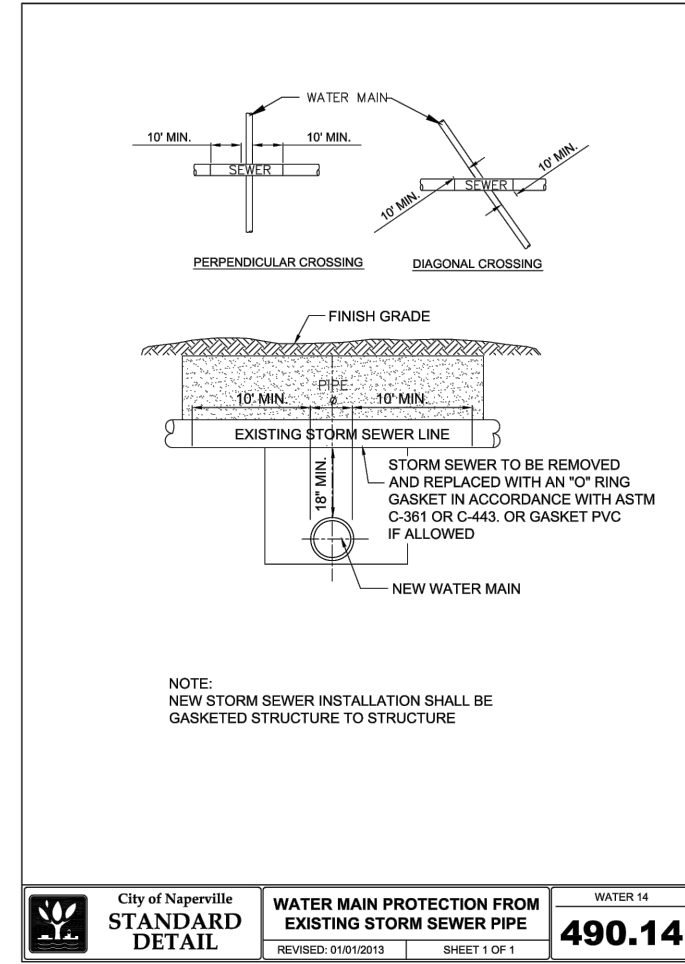
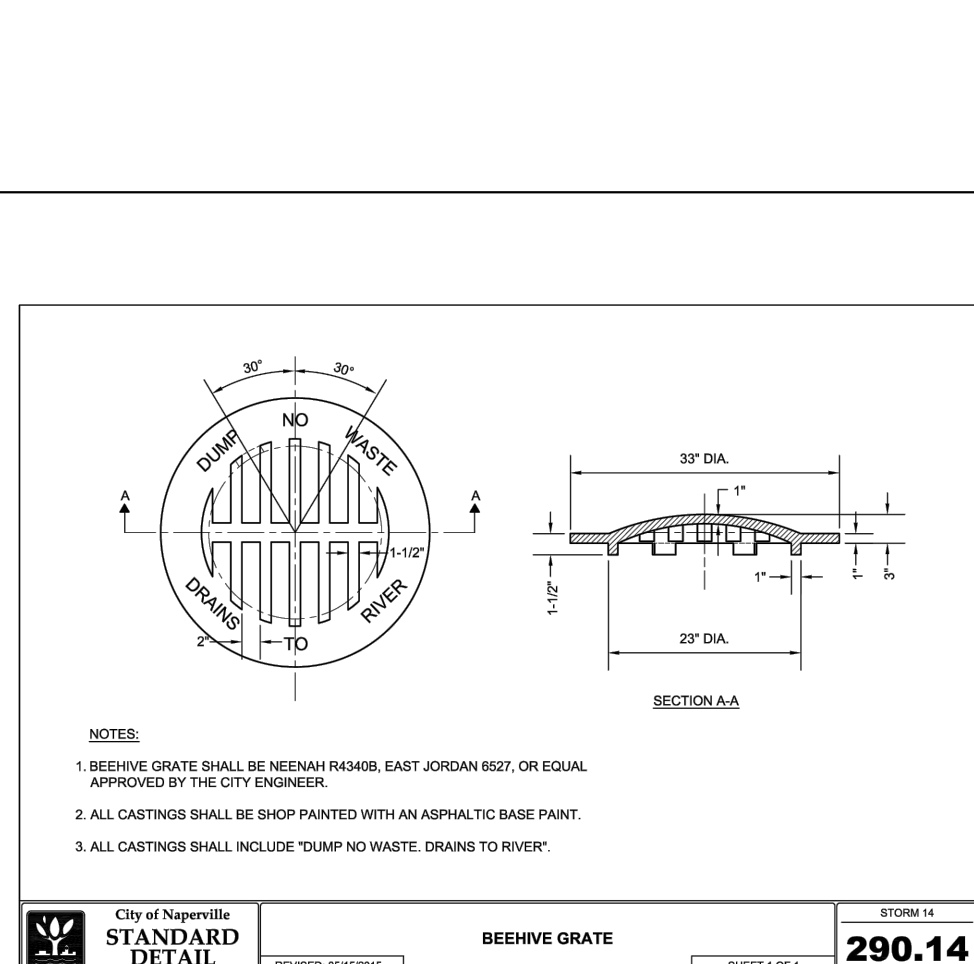
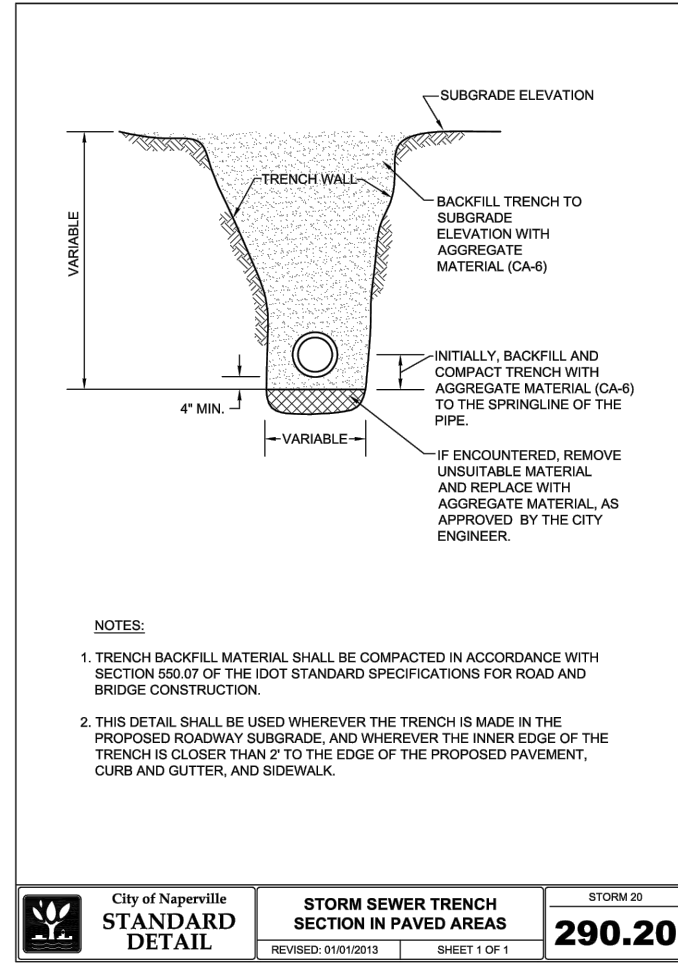
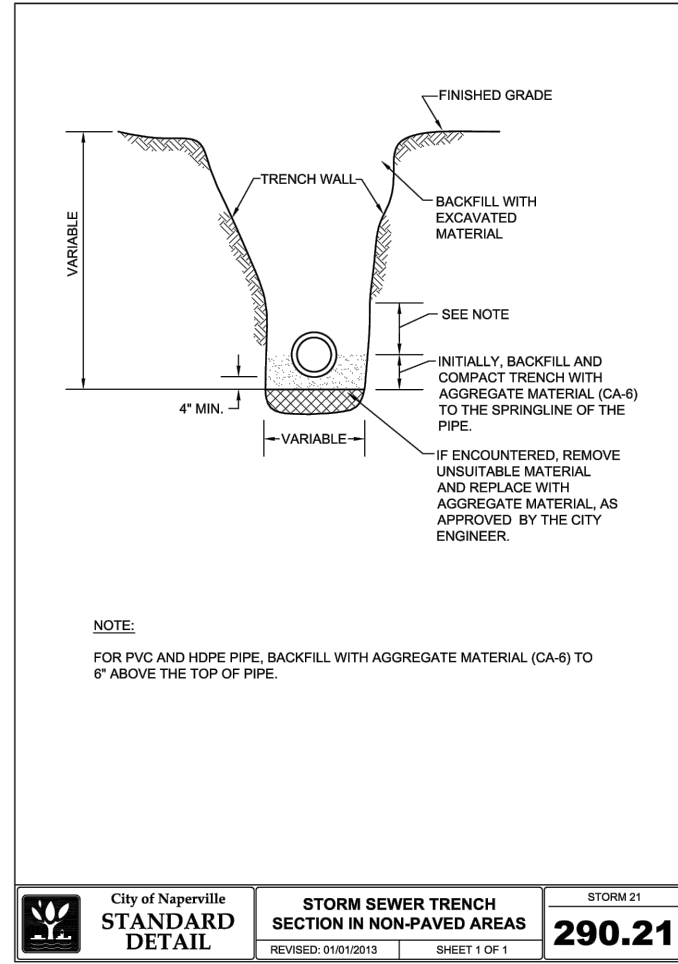
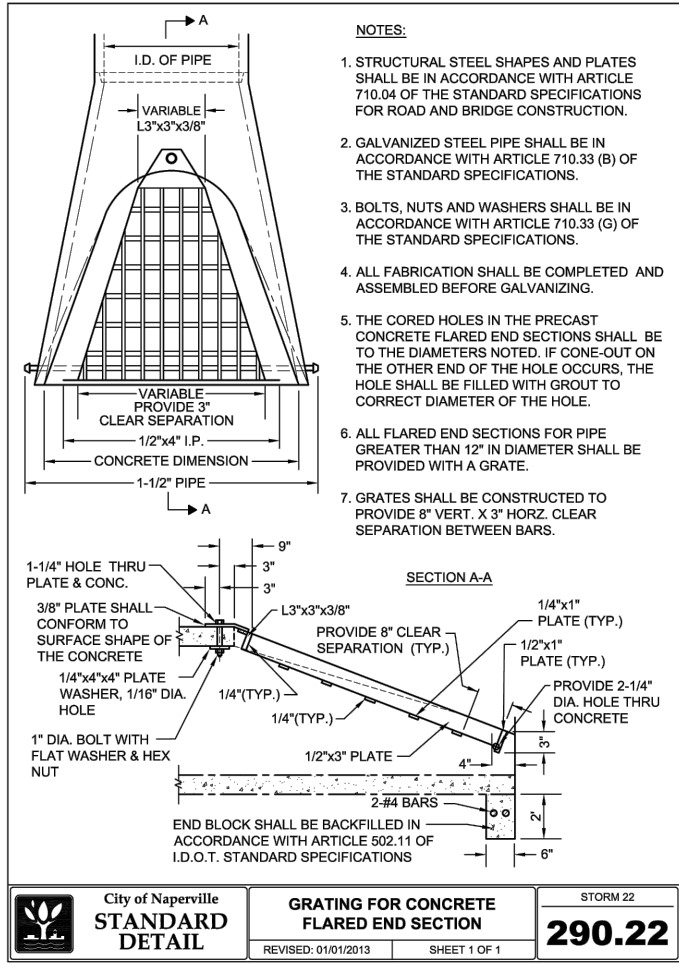
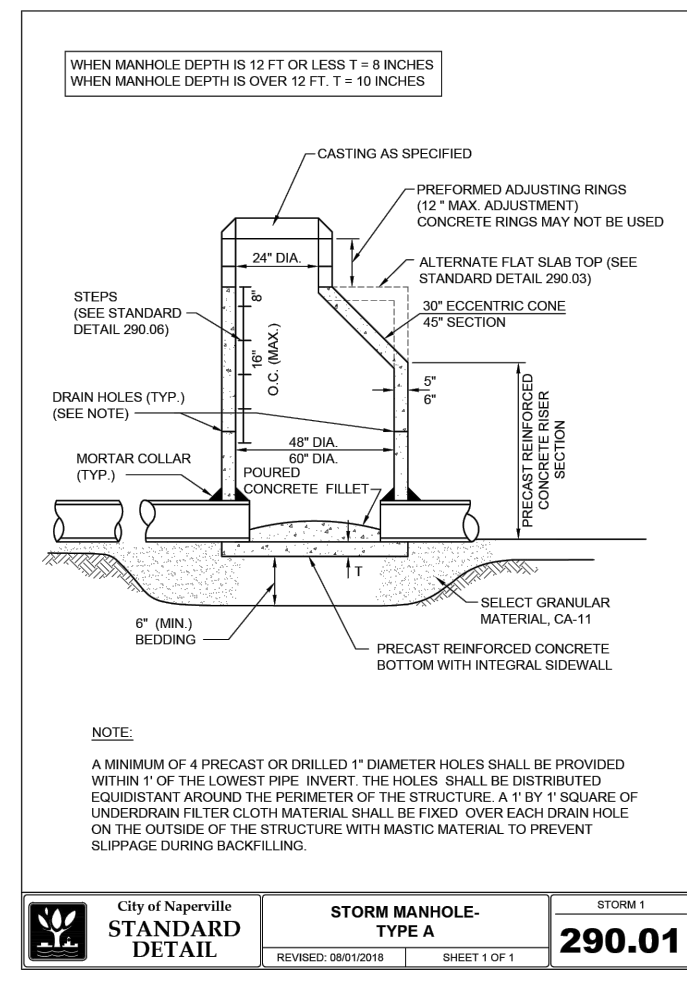
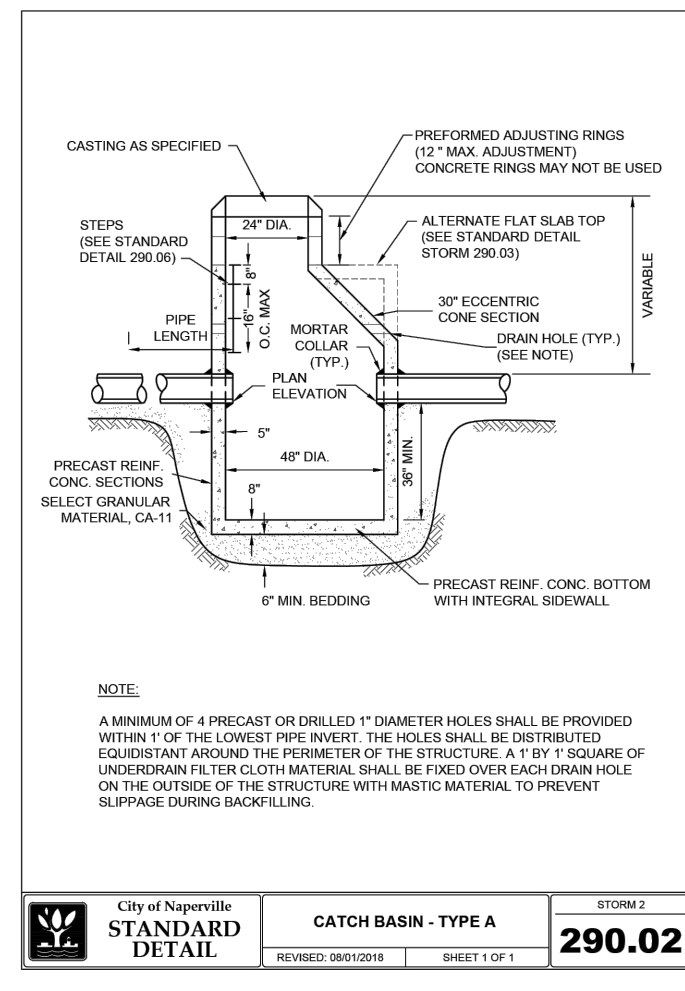
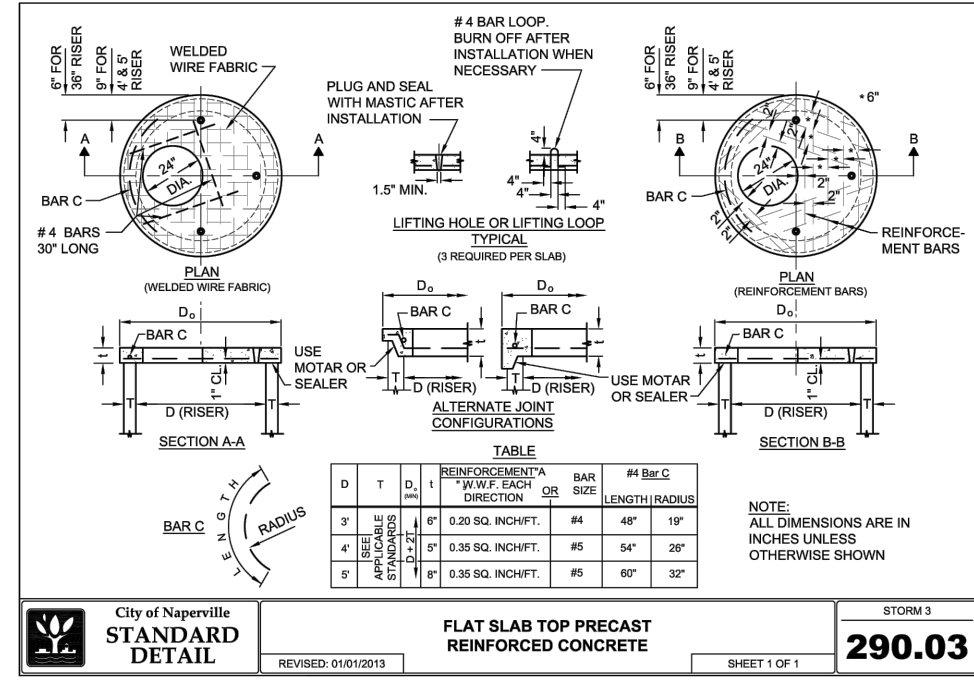
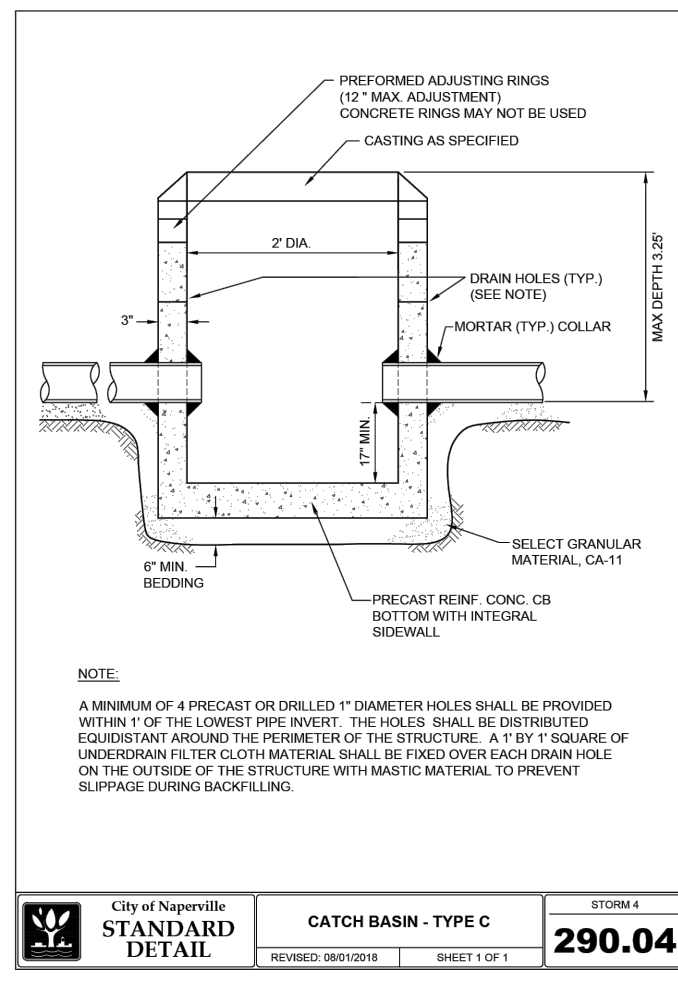
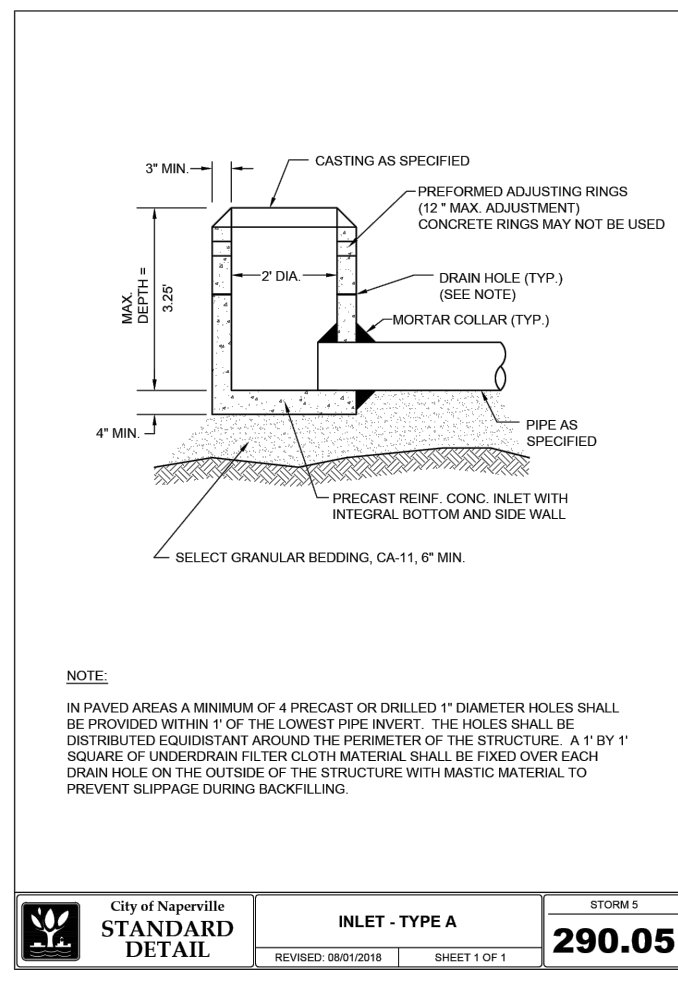
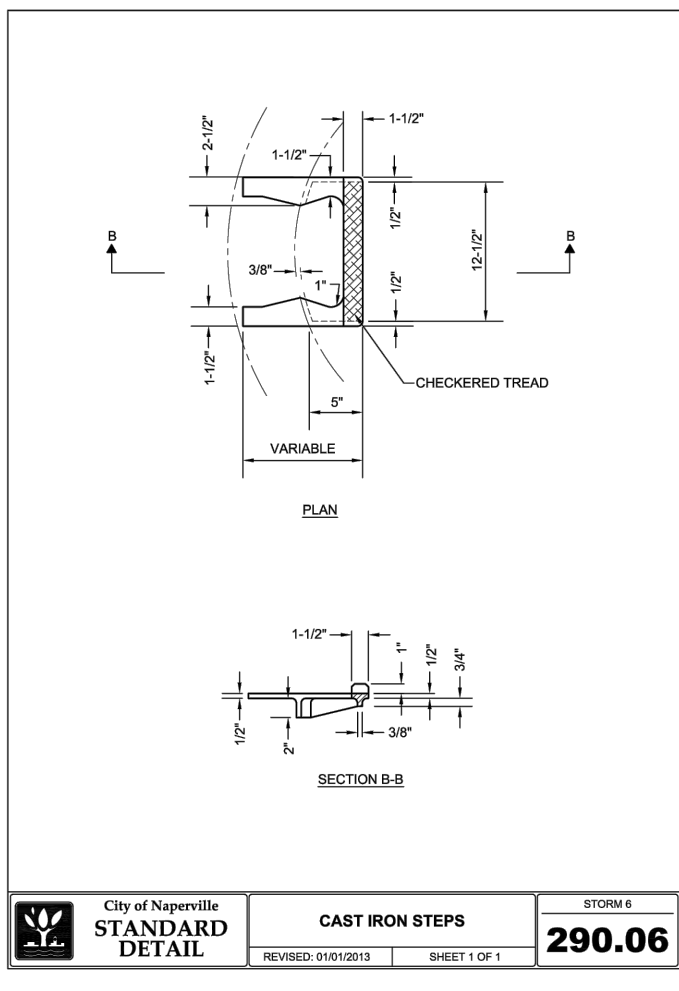
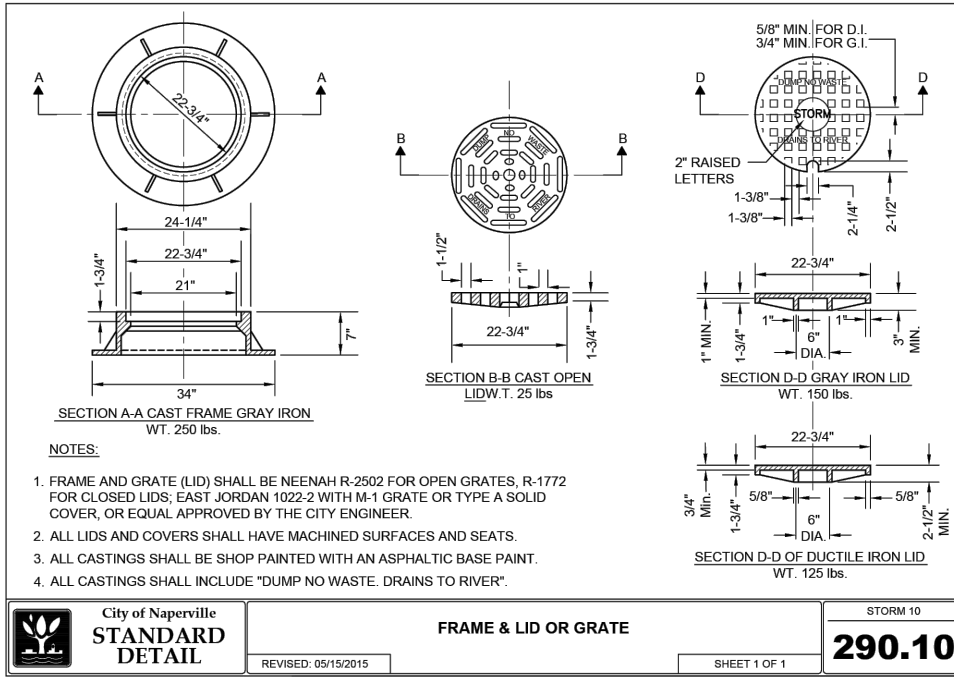


- REFER TO SHEET C7.0 FOR EROSION CONTROL NOTES.
- EROSION CONTROL LEGEND
- (SF) SILT FENCE
 - (IP) INLET PROTECTION
 - (SE) STABILIZED CONSTRUCTION ENTRANCE
 - (CW) CONCRETE WASHOUT
 - (LA) LINED APRON
 - (DC) DITCH CHECK
 - (ECB) EROSION CONTROL BLANKET
NAG SC150 (OR APPROVED EQUAL)
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 - (W) OVERFLOW WEIR
 - (TP) TREE PROTECTION
 - (PS) PERMANENT SEEDING
- NOTE: REFER TO SWPP PLAN SHEETS AND DETAILS FOR ADDITIONAL INFORMATION.

MATCHLINE - SEE SHEET C7.3

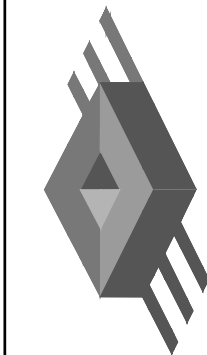
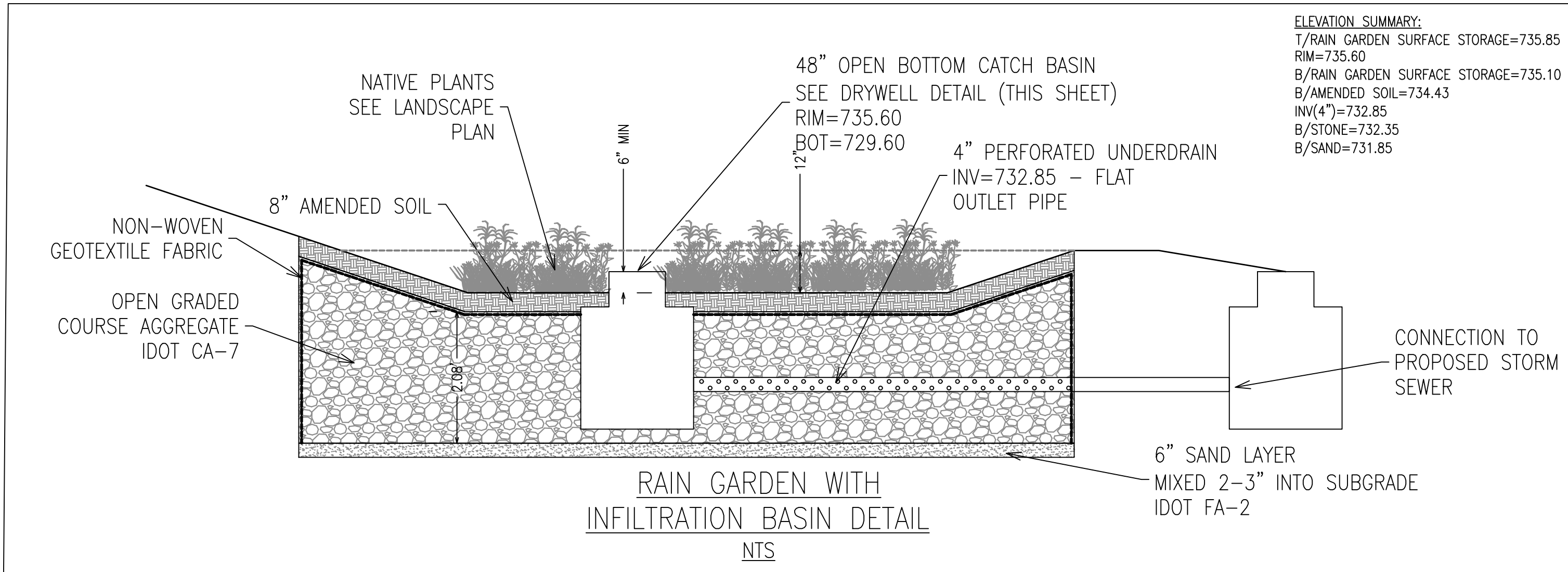
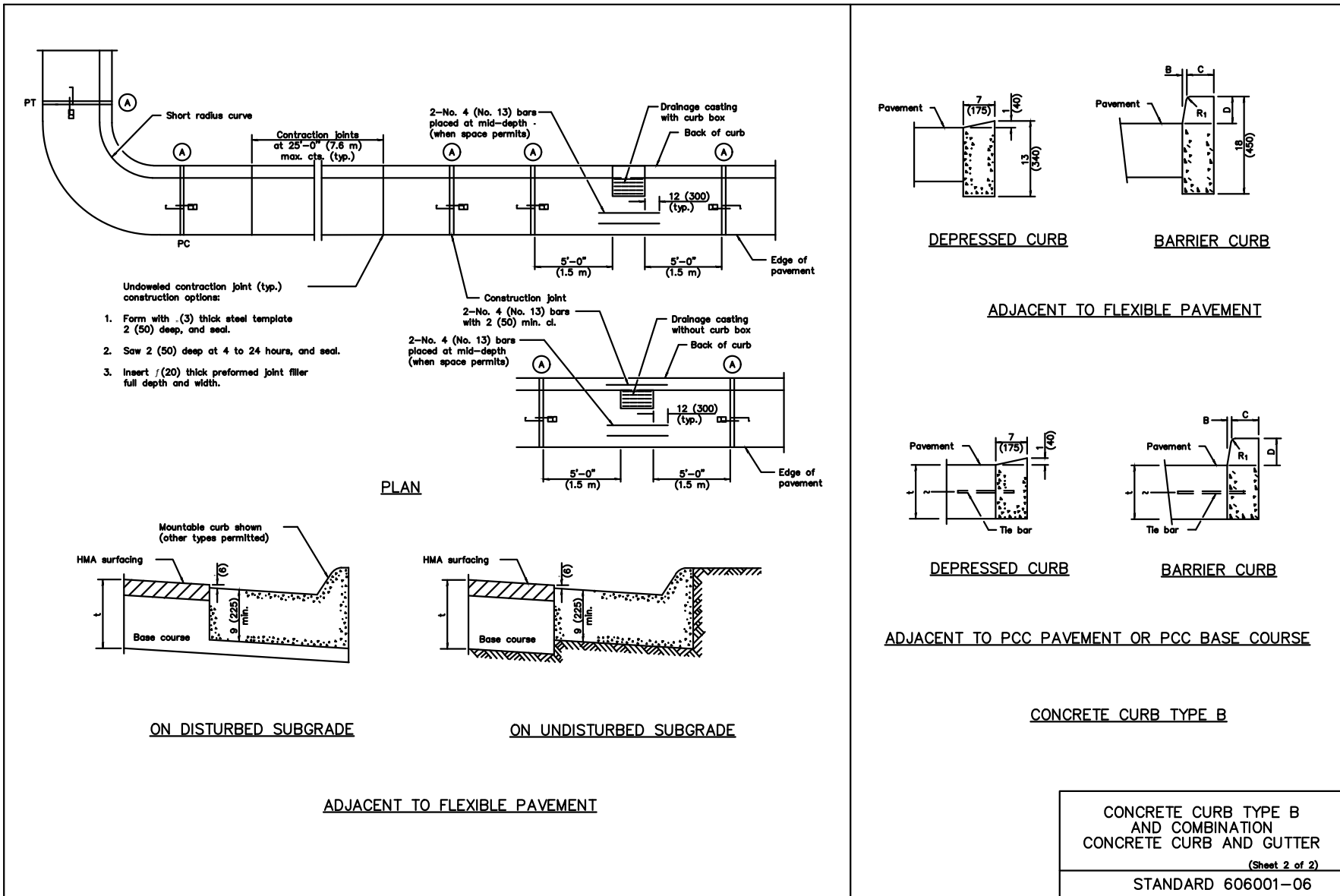
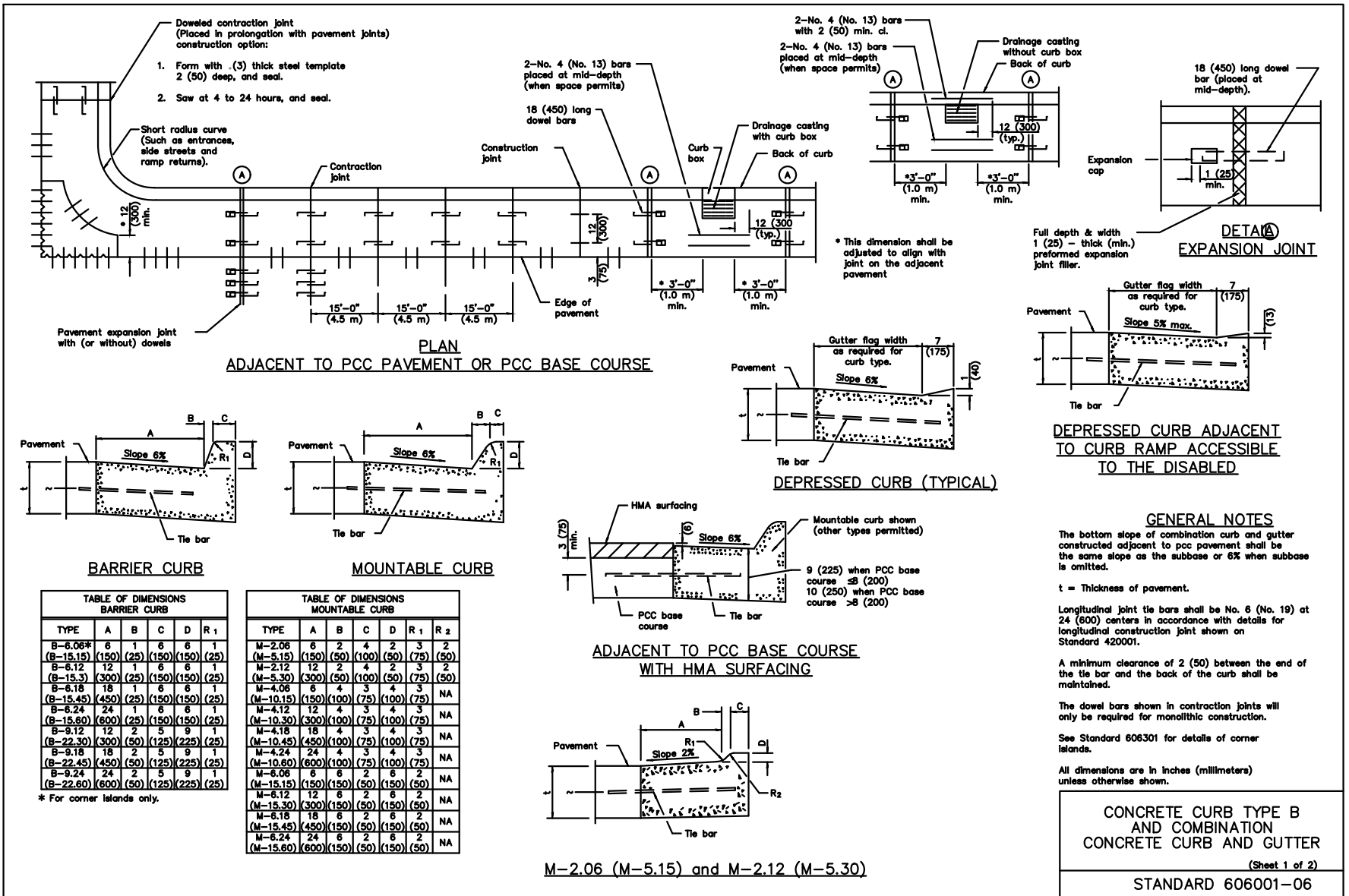
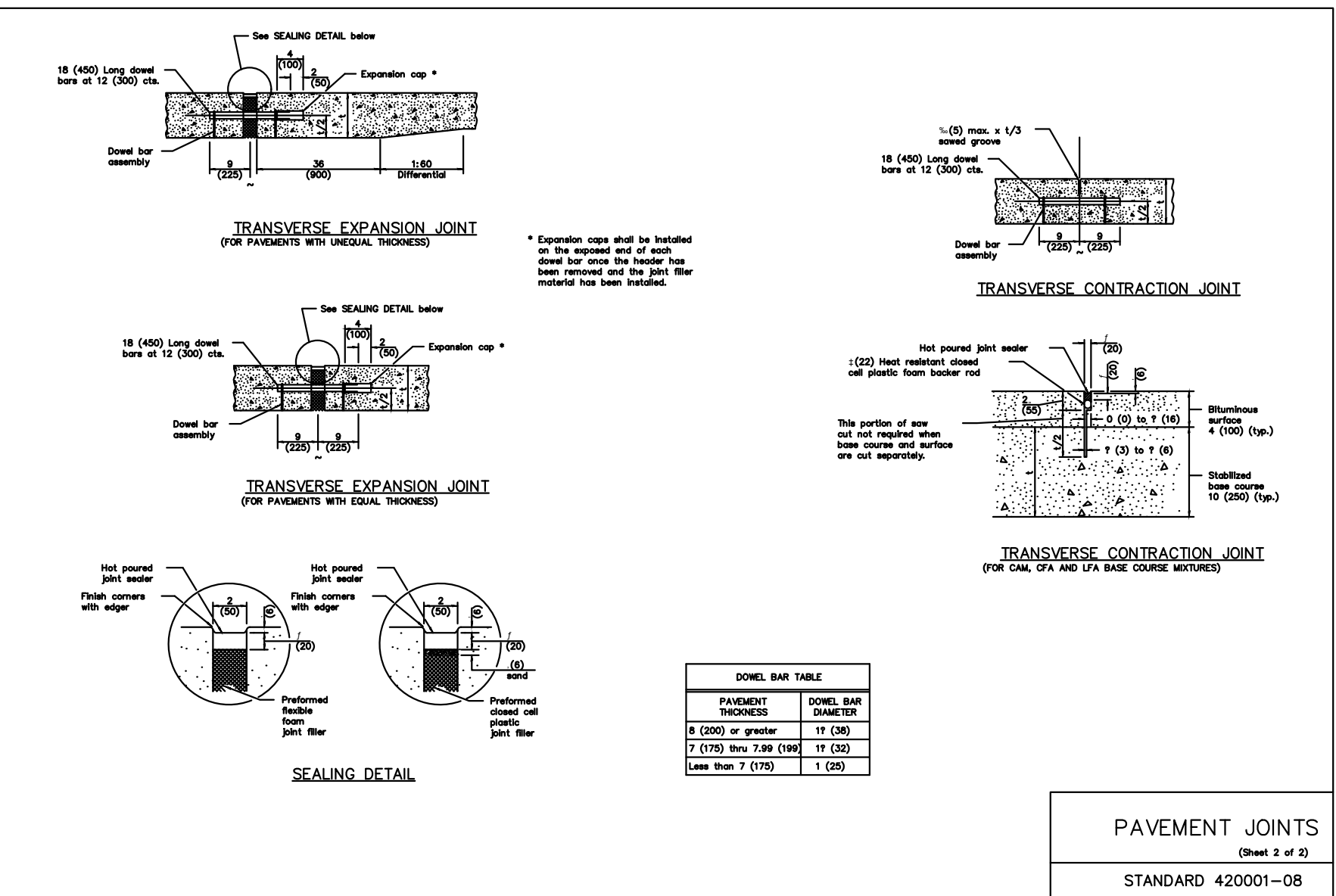
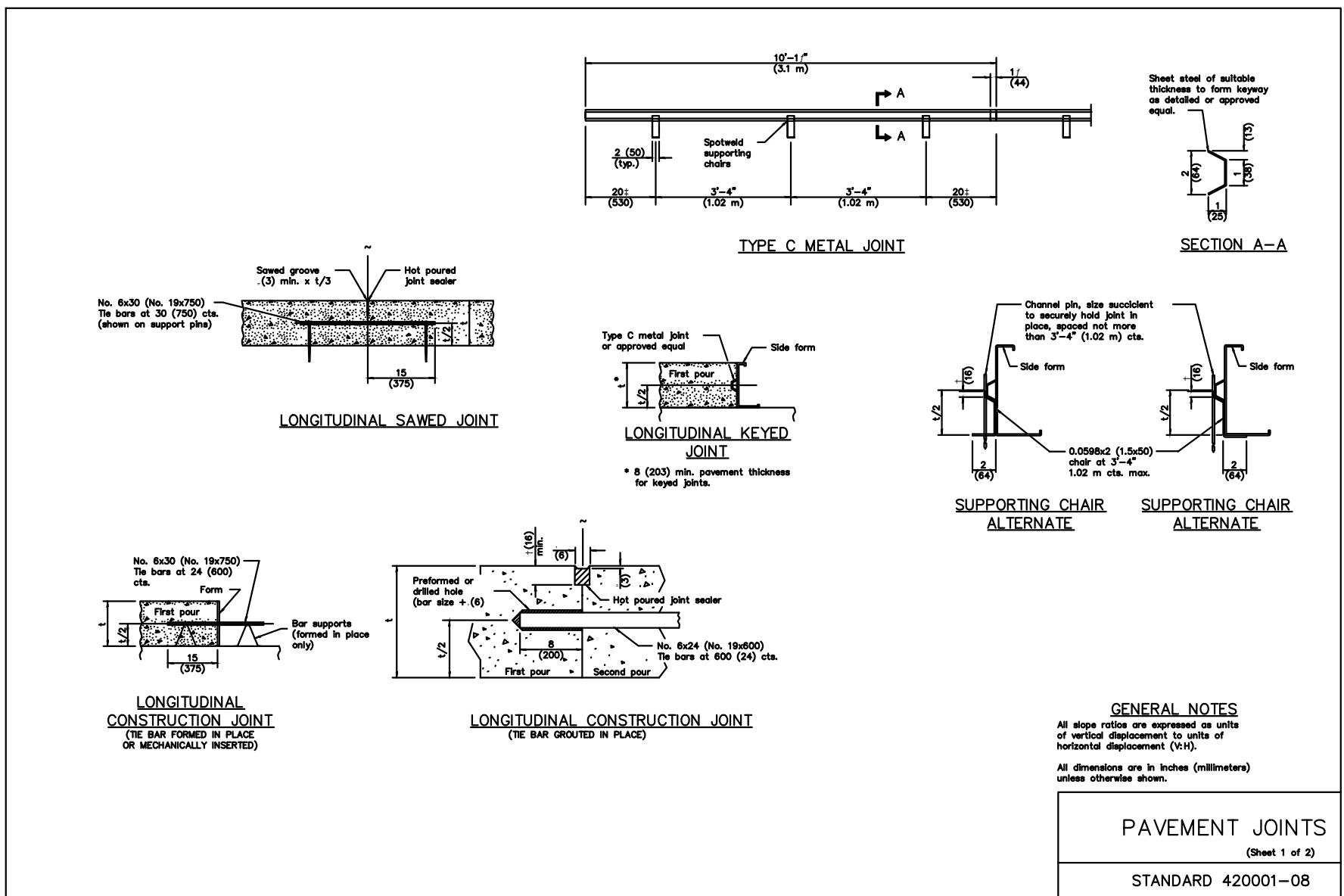
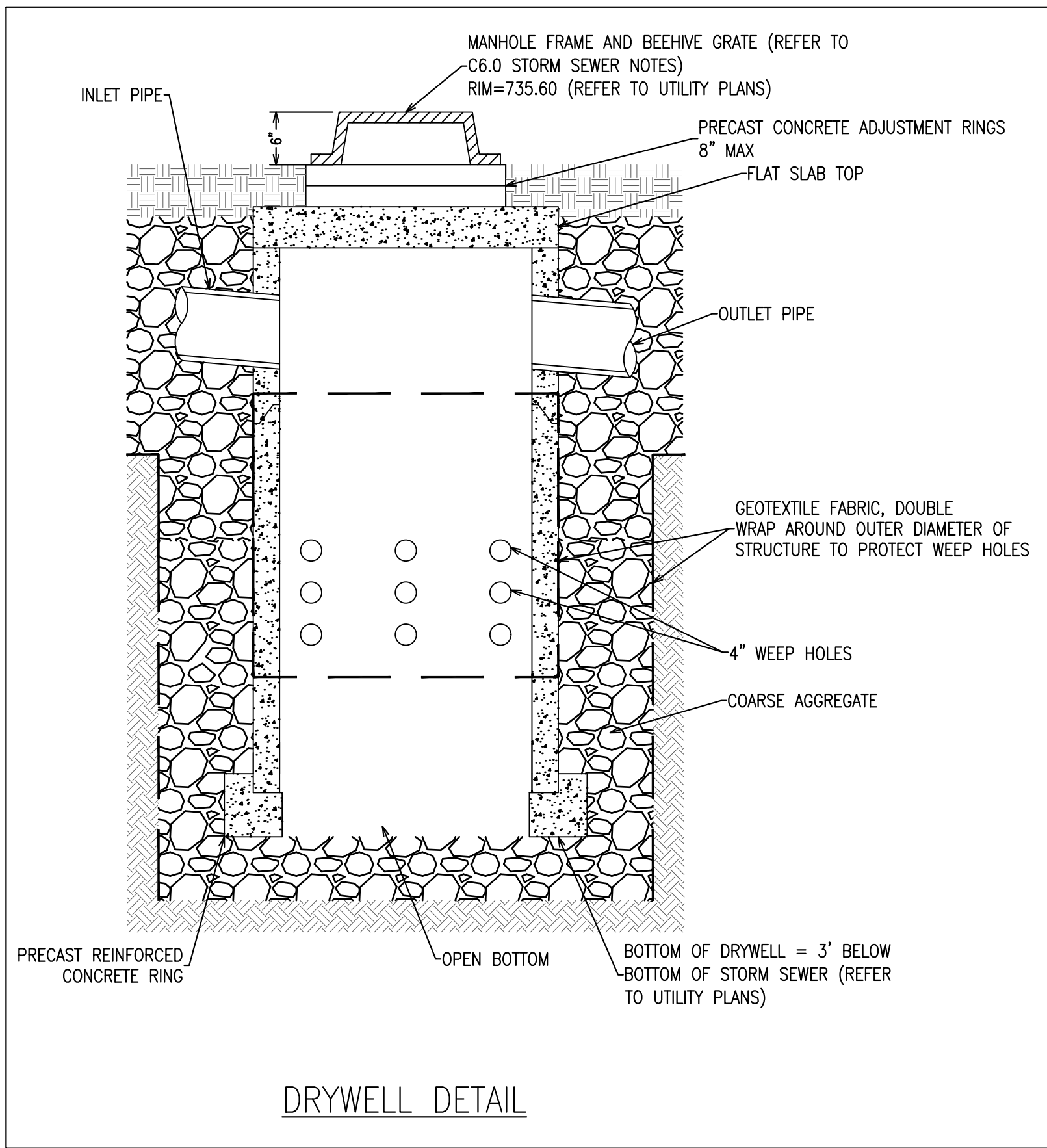
EROSION CONTROL PLAN - NORTHWEST		1960 WEST LUCENT LANE		NAPERVILLE, ILLINOIS		KARIS CRITICAL	
H477a		1" = 40'		C7.4			
JACOB & HEFNER ASSOCIATES		1333 Butterfield Rd, Suite 300, Downers Grove, IL 60515		PHONE: (630) 652-4600, FAX: (630) 652-4601		www.jacobandhefner.com	
4		REVISED PER CITY COMMENTS		09/26/25		Date	
3		REVISED PER CITY COMMENTS		07/31/25		Description	
2		REVISED PER CITY COMMENTS		6/12/25			
1		ORIGINAL PLAN DATE		4/7/25			
No.							





NOTE: IF SPECIFICATIONS AND/OR DETAILS PROVIDED IN THESE PLANS CONFLICT WITH THE CITY OF NAPERVILLE SPECIFICATIONS AND/OR DETAILS, THE CITY OF NAPERVILLE SHALL SUPERCEDE.

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PHONE: (630) 652-4600, FAX: (630) 652-4601
www.jacobandhefner.com

DETAILS
1960 WEST LUCENT LANE
NAPERVILLE, ILLINOIS
KARIS CRITICAL

No.	Description	Date
4	REVISED PER CITY COMMENTS	09/26/25
3	REVISED PER CITY COMMENTS	07/31/25
2	REVISED PER CITY COMMENTS	6/12/25
1	ORIGINAL PLAN DATE	4/7/25

H477a
N.T.S.
C9.2

NOTE: IF SPECIFICATIONS AND/OR DETAILS PROVIDED IN THESE PLANS CONFLICT WITH THE CITY OF NAPERVILLE SPECIFICATIONS AND/OR DETAILS, THE CITY OF NAPERVILLE SHALL SUPERCEDE.