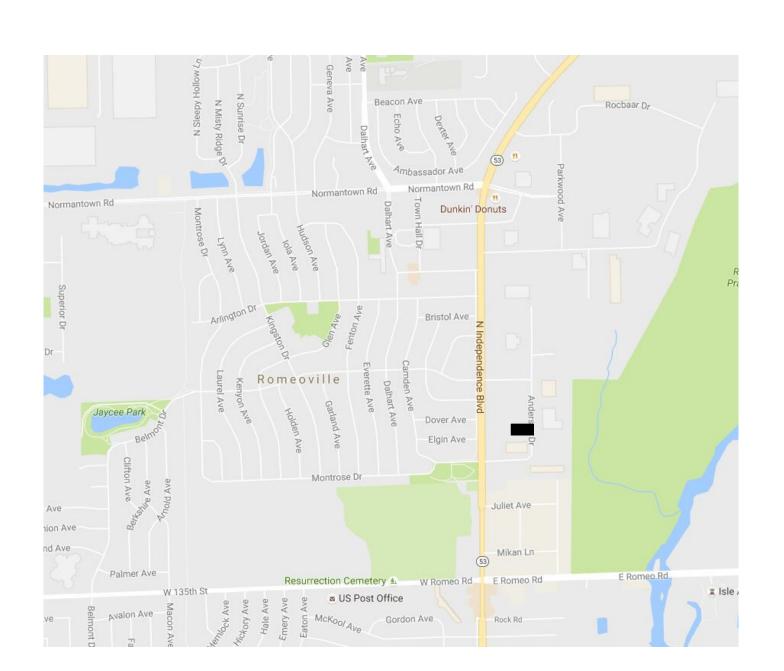
CN GROUP 525 ANDERSON



AERIAL IMAGE No scale



LOCATION MAP

NO SCALE

SPECIAL SAFETY NOTE

ALL CONTRACTORS, SUBCONRACTORS AND THEIR REPRESENTATIVES ON THE PROJECT SHALL AT ALL TIMES PRIOR AND DURING HE COURSE OF HE ACTIVITY BE RESPONSIBLE FOR THE SAFETY OF THEIR EMPLOYEES SHALL AS OTHERS AND IN THE CARE OF THE PROPERTY, EACH AS REPRESENTATIVES OF THEIR EMPLOYEES SHALL ASCERTAIN THAT THE CONDITIONS UNDER WHICH THEY WILL BE REQUESTED TO ACCOMPLISH THEIR WORK ARE SAFE AND MEET ALL REGULATIONS OF THE OCCUPATIONAL SAFETY AND HAZARD ACT OR OTHER GOVERNING REGULATIONS. THE BEGINNING OF WORK BY A CONTRACTOR OR SUBCONTRACTOR SHALL INDICATE SATISFACTION CONCERNING SAFETY AND FULL RESPONSIBILITY FOR ACCIDENTS AND/ OR DAMAGE. IF UNSATISFIED, THE CONTRACTOR OR SUBCONTRACTOR SHALL INDICATE THE ACTIONS AND/ OR DEVICES NECESSARY TO RENDER THE JOB-SITE SAFE. IF THE WORK OF OTHER PARTIES IS, UPON INSPECTION, FOUND AT ANY TIME TO BE UNSAFE, THE CONTRACTOR OR SUBCONTRACTOR SHALL IMMEDIATELY STOP ALL WORK AND NOTIFY THE GENERAL CONTRACTOR, ARCHITECT AND OWNER. THE BEGINNING OF WORK SHALL INDICATE

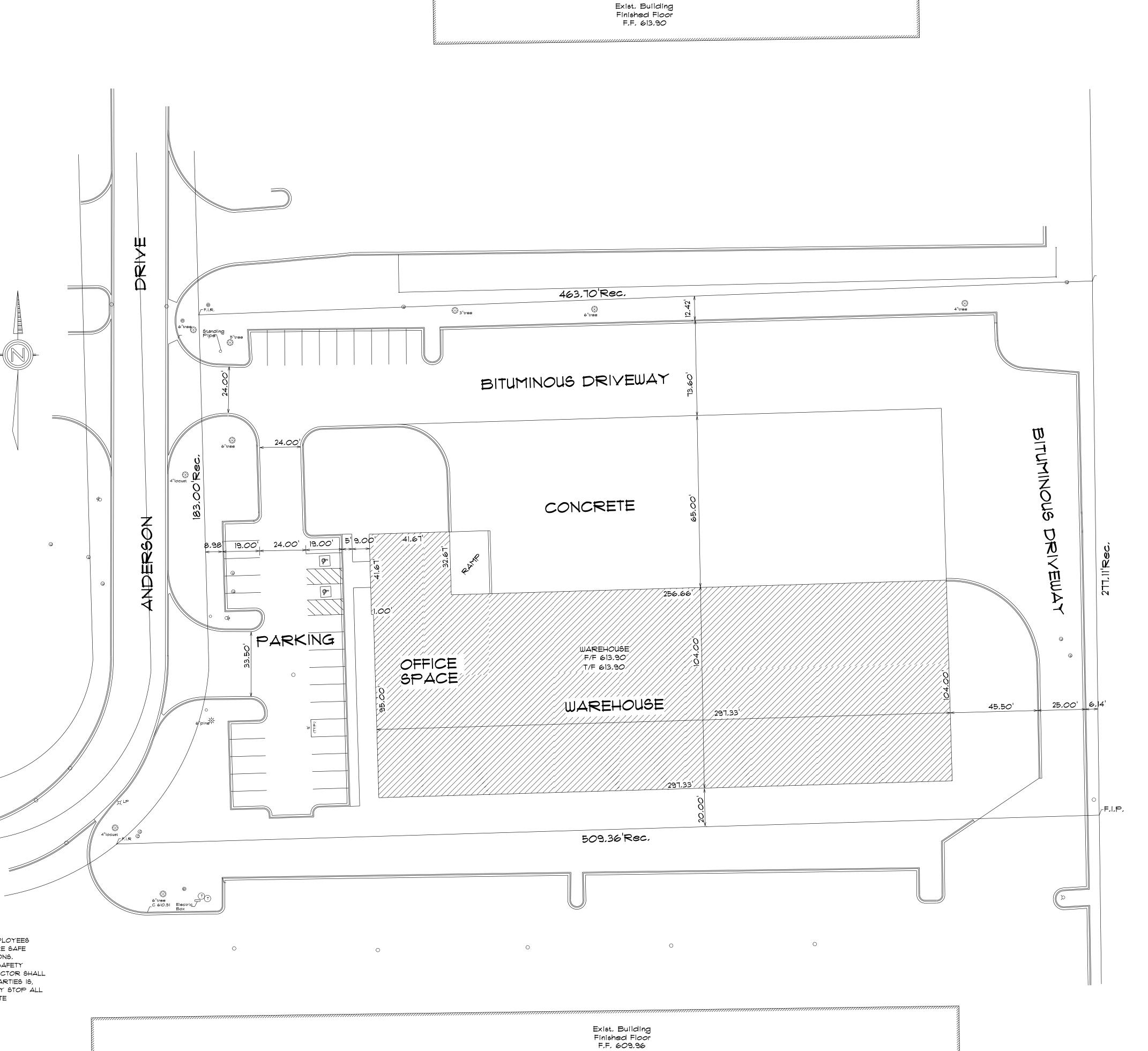
SPECIAL NOTE

THE ARCHITECT IS NOT SUPERVISING THE CONSTRUCTION OF THE BUILDING.

ACKNOWLEDGEMENT AND ACCEPTANCE OF THESE REQUIREMENTS.

THEREFORE, THE USE OF THESE DRAWINGS BY THE OWNER OR ANY CONTRACTORS, SUBCONTRACTORS, BUILDER, TRADESMAN OR WORKMAN SHALL CONSTITUTE A HOLD HARMLESS AGREEMENT BETWEEN THE DRAWINGS USER AND THE ARCHITECT. THE USER SHALL IN FACT AGREE TO HOLD THE ARCHITECT HARMLESS FOR ANY RESPONSIBILITY IN REGARD TO THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES AND FOR ANY SAFETY PRECAUTIONS OR PROGRAMS IN CONNECTION WITH THE WORK. FURTHER THE ARCHITECT SHALL BE HELD HARMLESS FOR ANY RESPONSIBILITY IN REGARD TO AY COSTS OR PROBLEMS ARISING FROM THE NEGLIGENCE OF THE CONTRACTOR, SUBCONTRACTOR, BUILDER, TRADESMAN OR WORKMAN OR FOR THEIR FAILURE TO COMPLY WITH AND ADHERE TO THESE PLANS AND SPECIFICATIONS.

THE USE OF THESE PLANS TO OBTAIN A BUILDING PERMIT SHALL CONSTITUTE THE ACCEPTANCE AND APPROVAL OF ALL REQUIREMENTS CONTAINED THEREIN.



SITE PLAN

SCALE 1" = 15' - 0"

SHEET INDEX SHEET DESCRIPTION INDEX / AERAIL & LOCATION MAP LANDSCAPE PLAN BUILDING FLOOR PLAN BUILING ROOF PLAN BUILDING ELEVATIONS MENS & WOMENS BATHROOMS DOOR & FINISH SCHEDULES FOUNDATION PLAN ROOF FRAMING PLAN BUILIDING CROSS SECTIONS 84 BUILIDING CROSS SECTIONS BUILIDING CROSS SECTIONS 86 BUILIDING CROSS SECTIONS ELECTRICAL SCHEDULES E2 ELECTRICAL FLOOR PLAN MECHANICAL PLAN MECHANICAL SCHEDULES PLUMBING FLOOR PLAN P2 PLUMBING ROOF PLAN PLUMBING SCHEDULES PHOTOMETRICS PHO 2 PHOTOMETRIC DETAILS

VILLAGE CODES

Village Building Codes

ADOPTED CODES The Village of Romeoville I

- The Village of Romeoville has adopted the following codes:

 2014 State of Illinois Plumbing Code (per State of Illinois)
- 2009 International Building Code2009 International Conservation Code
- 2009 International Fire Code
 2009 International Fuel Gas Code
- 2009 International Mechanical Code
 2009 International Property Maintenance Code
- 2009 International Residential Code
 2009 International Wildland Urban Interface Code
- 2009 International Wildland-Urban Interface Code
 2011 National Electric Code
- 2011 National Electric Code
 2012 International Energy Code (per State of Illinois)
- The Village of Romeoville has local amendments to the above building codes. View the <u>online code</u> to review amended codes.

PATE FEB 13, 2017

REVISIONS

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Exist. Building DRIVE 4"HORSECHESTNUT 4"tree EXISTING HORSECHESTINT 500 A"QUERCUS (... RUBA RED OAK) 4-5 BEB REDTWIG DOGWOOD CORNUS STOLONIFERA THORNDALE ENGLISH IVY GROUNDCOVER 3GAL HYDRANGER QUERCIFOLIA JILLINOIS VALLEY STONE A"ACER GINHALA MAPLE YZGALOWATER NOTWAY SOCIET, , ILLINOS VALLY STONE A"ACER GIONALA
MAPLE CRAPAPPLE -4"BETULA NIGRA ZGALLON PICEA GLAUCA CONICA DNAZE SPRUCE 6"tree EXISTING Exist. Building

LANDSCAPE PLAN SCALE 1"=15'-0"

PRAIRIE TECH, LTD
ARCHITECTS • DEVELOPERS • BUILDERS
415 SOUTH MIDDLETON AVENUE
PALATINE, ILLINOIS 60067
(847) 202-9223

CN GROUP 525 ANDERSON DRIVE ROMEOVILLE ILLINOIS

REVISIONS

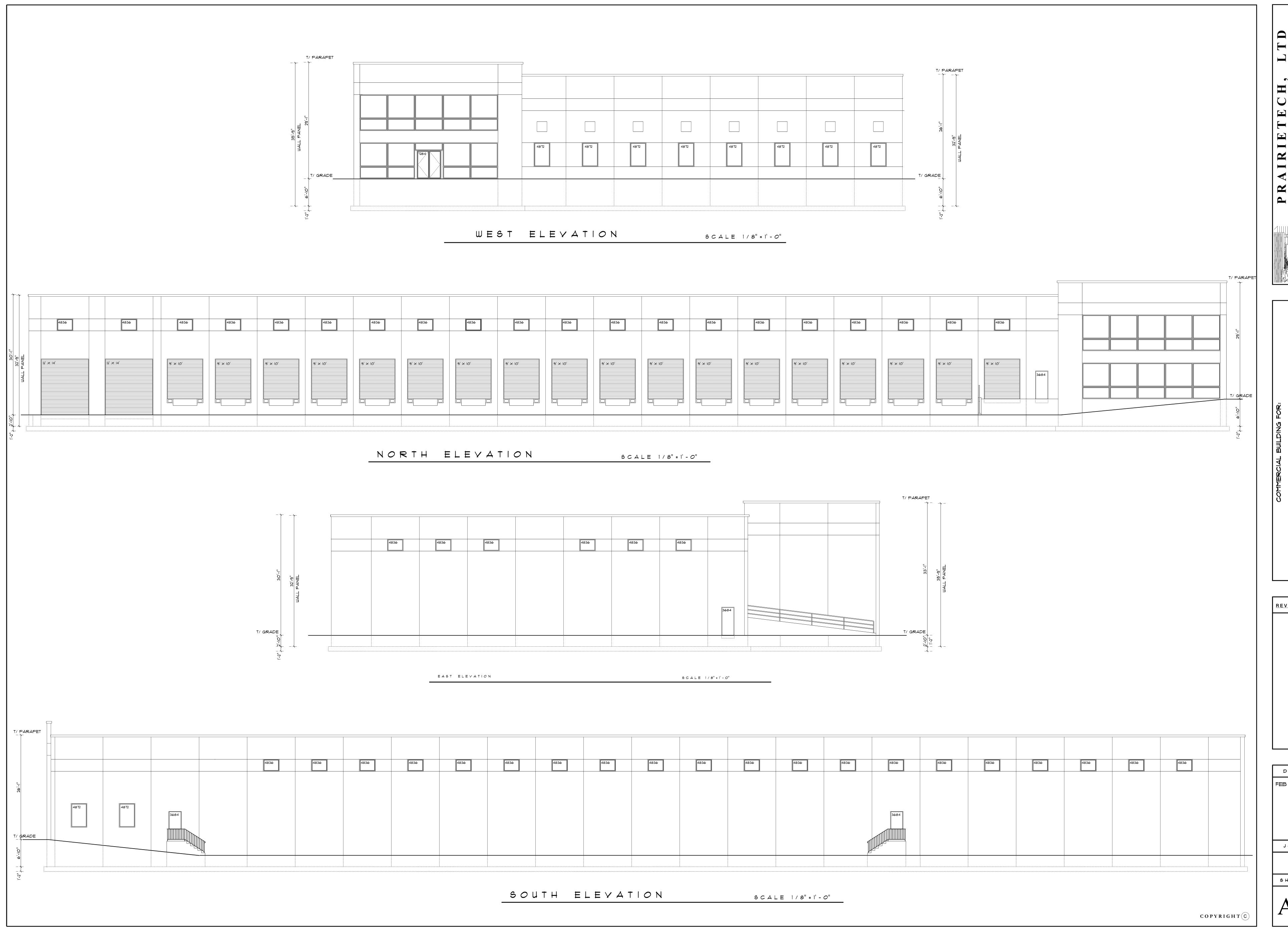
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PRAIRETECH LOPERS • BUILDERS
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(847) 202-9223

IAL BUILDING FOR:

UP 525 ANDERSON

DRIVE ROMEOVILLE ILLINOIS

REVISIONS

DATE
FEB 13, 2017

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SITE IMPROVEMENT PLANS COMMERCIAL BUILDING FOR CN GROUP 525 ANDERSON DRIVE ROMEOVILLE, ILLINOIS 60446

GENERAL NOTES

ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE CODES. ORDINANCES, AND STANDARD SPECIFICATIONS OF ALL AGENCIES THAT HAVE THE RESPONSIBILITY OF REVIEWING PLANS AND SPECIFICATIONS FOR CONSTRUCTION OF ALL ITEMS PER THESE PLANS AND SPECIFICATIONS IN THIS LOCALITY.

ALL WORK TO BE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR THE ROAD AND BRIDGE CONSTRUCTION" ADOPTED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION (LATEST EDITION).

IT SHALL BE CONTRACTORS SOLE RESPONSIBILITY TO CONSTRUCT ALL ITEMS ON THESE PLANS USING CONSTRUCTION MEANS AND METHODS THAT WILL PROTECT AT ALL TIMES, PROPERTY AND PREVENT BODILY INJURY AND/OR DEATH.
SPECIAL ATTENTION SHALL BE PAID BY THE CONTRACTOR IN SELECTING THE SAFE METHODS OF TRENCHING THE SEWERS.

ALL ELEVATIONS ARE NAVD 88 DATUM, EXCEPT WHERE NOTED OTHERWISE.

ALL EXISTING UTILITY AND FIELD CONDITIONS TO BE ACTUALLY CHECKED AND VERIFIED BY CONTRACTORS PRIOR TO BIDDING AND CONSTRUCTION. SHOULD THERE BE ANY DISCREPANCY BETWEEN PLANS AND ACTUAL FIELD CONDITIONS. CONTRACTOR TO SEEK WRITTEN CLARIFICATION FROM ENGINEER PRIOR TO OMMENCEMENT OF WORK. FAILURE TO DO SO SHALL BE AT THE SOLE EXPENSE OF THE CONTRACTOR, UNDERGROUND CONTRACTOR SHALL CONSIDER INCIDENTAL TO THE CONTRACT ANY CHLORINATION AND TESTING OF EXISTING WATERMAIN WHERE CONNECTIONS TO AND INCLUSION OF SUCH MAINS IS INDICATED ON THE DRAWINGS.

CURB AND GUTTER WITHIN THE RIGHT OF WAYS OF PUBLIC ROADS SHALL BE ACCORDING THE SPECIFICATIONS OF THE RESPECTIVE COUNTY AND STATE OR FEDERAL HIGHWAY DEPT. AND ALL CURBS AND GUTTERS ON SITE BE ACCORDING TO DETAILS SHOWN ON DETAIL SHEETS.

CONCRETE SHALL BE A MINIMUM 6 BAG MIX AND SHALL DEVELOP A MINIMUM OF 3.500 psi COMPRESSIVE STRENGTH AT 14 DAYS. CONTRACTION JOINTS SHALL BE PROVIDED AT 5'-0" O.C. AND SAWCUT AT 10'-0" O.C.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS FOR CONSTRUCTION ALONG OR ACROSS EXISTING STREETS AND HIGH-WAYS. HE SHALL MAKE ARRANGEMENTS FOR PROPER BRACING & OTHER PROTECTION OF ALL ROADWAY UTILITIES BEFORE CONSTRUCTION BEGINS. HE SHALL BE RESPONSIBLE FOR ANY DAMAGE TO THE STREETS OR ROADWAYS AND ASSOCIATED STRUCTURES AND SHALL MAKE REPAIRS AS NECESSARY TO THE SATISFACTION OF THE ENGINEER. THE CONTRACTOR SHALL ALSO BE RES-PONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ADEQUATE SIGNS AND WARNING DEVICES TO INFORM AND PROTECT THE PUBLIC. LIFE & PROPERTY.

EASEMENTS FOR EXISTING UTILITIES, BOTH PUBLIC AND PRIVATE, AND UTILITIES WITHIN PUBLIC RIGHT-OF-WAYS ARE SHOWN ON THE PLANS ACCORDING TO INFORMATION BY SURVEYOR AND/OR AVAILABLE IN THE RECORDS. THE CON-TRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY COMPANIES PRIOR TO BEGINNING CONSTRUCTION FOR THE EXACT LOCATIONS, THEIR PROTECTION AND OPERATION DURING CONSTRUCTION. IF EXISTING UTILITY LINES ARE EN-COUNTERED THAT CONFLICT IN LOCATION WITH NEW CONSTRUCTION, THE CON-TRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT MAY BE RESOLVED.

ALL WORK SHALL BE GUARANTEED BY THE CONTRACTOR TO BE FREE FROM DEFECTS IN WORKMANSHIP AND MATERIALS AND IN CONFORMANCE WITH THE APPROVED PLANS & SPECIFICATIONS AND THAT THE CONTRACTOR SHALL RE-PLACE OR REPAIR ANY WORK OR MATERIAL FOUND TO BE DEFECTIVE UPON WRITTEN NOTICE FROM EITHER THE DESIGN ENGINEER OR THE VILLAGE ENGINEER THAT SAID DEFECTS EXISTING FOR A PERIOD OF 18 MONTHS FROM DATE OF WRITTEN ACCEPTANCE FROM THE OWNER OF THAT PORTION OF THE TOTAL PROJECT WHICH THE CONTRACTOR HAS CONTRACTED TO COMPLETE.

CONTRACTOR SHALL PROVIDE FOR THE CONTINUOUS OPERATION OF EXISTING FACILITY WITHOUT INTERUPTION DURING CONSTRUCTION UNLESS SPECIFICALLY AUTHORIZED OTHERWISE BY THE RESPECTIVE AUTHORITY.

ALL REQUIREMENTS OF OTHER GOVERNMENTAL AGENCIES, INCLUDING THE FEDERAL GOVERNMENT, RELATIVE TO SAFETY SHALL BE COMPLIED WITH ALL WORK WITHIN PUBLIC RIGHT-OF-WAYS SHALL CONFORM TO THE REQUIREMENTS OF THE RESPECTIVE VILLAGE, STATE, COUNTY, & FEDERAL HIGHWAY DEPARTMENTS.

ALL DEMOLITION & CONSTRUCTION TO BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS OF THE STATE HIGHWAY DEPARTMENT.

UTILITIES SHALL BE REMOVED & DISPOSED OF, OFF THE SITE. CONTRACTOR TO VERIFY THAT THE PLANS & SPECIFICATIONS THAT HE IS BUILDING FROM ARE THE VERY LATEST PLANS & SPECIFICATIONS AND FURTHER TO VERIFY THAT THESE PLANS & SPECIFICATIONS HAVE BEEN APPROVED BY ALL APPLICABLE PERMIT-ISSUING AGENCIES AND THE TENANT. ALL ITEMS CONSTRUCTED BY THE CONTRACTOR PRIOR TO RECEIVING THE FINAL APPROVAL

ALL EXISTING TREES INTERFERING WITH CONSTRUCTION OF BUILDINGS OR

SHOULD THE CONTRACTOR ENCOUNTER CONFLICT BETWEEN THESE PLANS & SPECS., EITHER AMONG THEMSELVES OR WITH THE REQUIREMENTS OF ANY REVIEWING & PERMIT-ISSUING AGENCIES; HE SHALL SEEK CLARIFICATION IN WRITING FROM THIS ENGINEER BEFORE COMMENCEMENT OF CONSTRUCTION FAILURE TO DO SO SHALL BE AT THE SOLE EXPENSE OF THE CONTRACTOR

& PERMITS HAVING TO BE ADJUSTED OR RE-DONE, SHALL BE DONE AT THE

ALL EXISTING UTILITIES AND PADS WITHIN THE PROPOSED DEVELOPMENT SHALL BE DISMANTLED PROPERLY, TRENCH SHALL BE BACKFILLED WITH GRANULAR MATERIALS AND COMPACTED TO 95% MODIFIED PROCTOR.

ALL UNDERGROUND UTILITY CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION. STATE OF ILLINOIS. (LATEST EDITION)

THE CONTRACTOR SHALL REMOVE AND DISPOSE OF THE UNSUITABLE MATERIALS TAKEN FROM WITHIN THE PARKING AREA, ROADWAY, AND PROPOSED BUILDING

CONTRACTOR TO NOTIFY J.U.L.I.E. FOR UNDERGROUND UTILITY LOCATION. 72 HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION. TEL. 1-800-892-0123

SPECIAL NOTES

CONTRACTOR'S EXPENSE.

TRENCH BACKFILL SHALL BE USED IN ALL TRENCHES UNDER AND WITHIN 2'-0" OF PAVED AREAS. TRENCH BACKFILL SHALL BE IN ACCORDANCE WITH SECTION 208 OF THE "STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION" LATEST EDITION.

CONTRACTOR SHALL BE RESPONSIBLE AT ALL TIMES FOR TRAFFIC CONTROL AND PROTECTION IN ACCORDANCE WITH THE IDOT STANDARD SPECIFICATIONS ADOPTED JANUARY 1, 2016, THE LATEST EDITION OF THE ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, AND THE STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS.

GRADING & PAVING NOTES

ARE TO BE LEFT UNFILLED OR UNPROTECTED OVERNIGHT.

NO OPEN CUT OF ANY PUBLIC ROAD &/OR PUBLIC R.O.W. SHALL BE PERMITTED BY CONTRACTOR WITHOUT PROPER PROOF OF APPROVAL OF APPLICABLE STATE. VILLAGE, COUNTY, &/OR FEDERAL AGENCY.

THE UNDERGROUND CONTRACTOR SHALL PLACE & MOUND EXCESS EXCAVATING TRENCH MATERIAL ADJACENT TO THE TRENCHES IN ORDERLY FASHION SO AS NOT TO CREATE A HAZARD OR OBSTRUCTION. THE REMOVAL OF SAID MATERIAL IS THE RESPONSIBILITY OF THE EARTH EXCAVATING CONTRACTOR. NO TRENCHES

AFTER THE FINISHED TOPSOIL HAS BEEN PLACED IN THE PARKWAYS. THE UNDERGROUND CONTRACTOR SHALL RETURN TO ADJUST ALL B-BOXES, FRAMES, & LIDS TO MEET THE FINISHED GRADE. THE COST OF THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE PRICE OF THE UNDERGROUND CONTRACT. THE PAVING CONTRACTOR SHALL MAKE ALL FINAL FRAME & B-BOX ADJUSTMENTS PRIOR TO PAVING OF SURFACE COURSE. ADJUSTMENTS LESS THAN 9" SHALL BE THE PAVING CONTRACTOR'S EXPENSE. ADJUSTMENTS 9" OR GREATER SHALL BE BILLED TO THE UNDERGROUND CONTRACTOR.

BRACED & SHEETED TRENCHES ANY ANTICIPATED COST FOR SHEETING SHALL BE REFLECTED IN THE CONTRACT AMDUNT. NO ADDITIONAL COST WILL BE ALLOWED FOR SHEETING OF BRACING.

SOIL BORING REPORTS, AVAILABE AT THE OFFICE OF THE OWNER, ARE SOLELY FOR THE INFORMATION & GUIDANCE OF THE CONTRACTORS, AND THE OWNER & ENGINEER MAKE NO REPRESENTATION OR WARRANTS REGARDING THE INFORM-ATION CONTAINED IN THE BORING LOGS. THE CONTRACTOR SHALL MAKE HIS OWN INVESTIGATIONS AND SHALL PLAN HIS WORK ACCORDINGLY. ARRANGEMENTS TO ENTER THE PROPERTY DURING THE BIDDING PHASE MAY BE MADE UPON REQUEST OF THE OWNER.

THE GRADING OPERATIONS ARE TO BE CLOSELY SUPERVISED AND INSPECTED. PARTICULARLY DURING THE REMOVAL OF UNSUITABLE MATERIAL AND THE CONSTRUCTION OF EMBANKMENTS OR BUILDING PADS, BY THE SOILS ENGINEER OR HIS REPRESENTATIVE. ALL TESTING, INSPECTION AND SUPERVISION OF SOIL QUALITY, UNSUITABLE REMOVAL AND ITS REPLACEMENT AND OTHER SOILS RELATED OPERATIONS SHALL BE ENTIRELY THE RESPONSIBILITY OF THE SOILS ENGINEER.

THE CONTRACTOR SHALL SUBMIT A BITUMINOUS MIX DESIGN TO THE ENGINEER PRIOR TO THE INSTALLATION OF THE BITUMINOUS MIX.

COMBINATION CURB & GUTTER SHALL BE OF THE TYPE DETAILED ON THE DETAIL SHEETS.

THE PAVING CONTRACTOR SHALL SATISFY HIMSELF THAT THE SUBGRADE HAD BEEN PROPERLY PREPARED AND THAT THE FINISH TOP SUBGRADE ELEVATION HAS BEEN GRADED WITHIN TOLERANCES ALLOWED IN THESE SPECIFICATIONS. UNLESS THE PAVING CONTRACTOR ADVISES THE OWNER IN WRITING PRIOR TO COMMENCEMENT OF BASE COURSE CONSTRUCTION, IT IS UNDERSTOOD THAT HE HAS APPROVED, AND ACCEPTS RESPONSIBILITY FOR THE SUBGRADE.

EXISTING TREES SHALL BE PRESERVED AND PROTECTED IN LOCATIONS SHOWN ON THE PLANS OR AS FURTHER REQUIRED BY THE ENGINEER.

THE CURBING CONTRACTOR OR PAVING CONTRACTOR, WHEREVER APPROPRIATE, SHALL BE RESPONSIBLE FOR THE ADJUSTMENT OF CATCHBASIN FRAMES TO MATCH THE GRADE OF THE CURB & GUTTER. THIS COST SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE CURB & GUTTER &/OR PAVEMENT. THE PAVING CONTRACTOR SHALL VERIFY THAT THE PROPOSED PARKING LOT LAYOUT AND STRIPING HAS BEEN ACCEPTED BY THE MUNICIPALITY PRIOR TO COMMENCE-MENT OF CONSTRUCTION.

ALL EXISTING SURFACES WHICH ARE DISTURBED DURING CONSTRUCTION SHALL BE SOD OVER A MINIMUM 6" TOPSOIL AND BE RESTORED TO MATCH SUBSTANTIALLY WITH THE EXISTING GRADES.

WATER MAIN NOTES

ALL WATER MAINS MUST HAVE MINIMUM FROST COVER FOR THE MUNICIPALITY. BUT IN NO CASE BE LESS THAN 5'-6" CLEAR.

THE WATER MAIN SHALL BE CLASS 52 DUCTILE IRON WITH PUSH-ON JOINTS. ALL FITTINGS SHALL BE MECHANICAL JOINT AND RESTRAINED WITH MEGALUGS. (EBAA IRON) ONLY, THE MAIN MUST BE WRAPPED IN POLYETHYLENE USING METHOD B FOR CORROSION PROTECTION.

PVC SDR 26 (ASTM D-2241) FOR PRESSURE PIPE TYPE ENCASING

FIRE HYDRANTS MUST EAST JORDAN WATER MASTER 5BR250, 6"PLAIN-END SHOE WITH ATTAACHED 6" RESILIENT WEDGE MECHANICAL JOINT VALVE AND MUST INCLUDE STORZ PUMPER CONNECTION ALONG WITH TWO 2-1/2" HOSE CONNECTION, VALVES MUST BE AMERICAN FLOW OR EAST JORDAN (FLOW MASTER) ALL SIZES SHOULD BE RESILIENT-SEATED GATE VALVES. FIRE HYDRANTS WITH DOUBLE STEAMER PORTS WITH A PATTERN APPROVED BY THE VILLAGE ENGINEER. THE NAME OR MARK OF THE MANUFACTURER, SIZE OF THE VALVE OPENING SHALL BE PLAINLY CAST IN RAISED LETTERS AND SO PLACED ON THE HYDRANT BARREL AS TO BE VISIBLE AFTER THE HYDRANT HAS BEEN INSTALLED.

BLOCKING TO PREVENT MOVEMENT OF LINES UNDER PRESSURE AT BENDS, TEES, CAPS, VALVES AND HYDRANTS SHALL BE PORTLAND CEMENT CONCRETE A MINIMUM OF 12" THICK PLACED BETWEEN SOILD GROUND AND THE FITTINGS AND SHALL BE ANCHORED IN SUCH A MANOR THAT THE PIPE AND FITTING JOINTS WILL BE ACCESSIBLE FOR REPAIRS.

ALL BENDS OF 11-1/4" OR GREATER, AND ALL TEES AND PLUGS SHALL BE THRUST PROTECTED TO PREVENT MOVEMENT OF LINES UNDER PRESSURE. THE NEWLY LAID WATER MAINS OR ANY VALVED SECTIONS OF IT SHALL BE SUBJECT TO A HYDROSTATIC PRESSURE OF NO LESS THAN ONE HUNDRED FIFTY (150) POUNDS PER SQUARE INCH (PSI)

DURATION OF EACH PRESSURE TEST SHALL BE FOR A PERIOD OF NOT LESS THAN FOUR (4) HOURS FOR PIPES WITH UNCOVERED JOINTS AND NOT LESS THAN TWENTY-FOUR (24) HOURS FOR PIPES WHICH HAVE BEEN BACKFILLED BEFORE TESTS ARE MADE.

PERMISSIBLE LEAKAGE SHALL BE THE LESSER OF 200 GALLONS/IN.DIA./MILE/ DAY OR STANDARDS AS APPROVED BY APPROPRIATE GOVERNMENT AGENCIES FOR ALL SANITARY SEWERS AND WATERMAINS.

AS AN ALTERNATIVE ONE OF THE FOLLOWING METHODS COULD BE USED TO SATISFY THE SEPARATE REQUIREMENT.

g. INSTALL A WATER MAIN INSIDE OF A STEEL OR PVC (SDR 26 OR LESS) CASING PIPE FOR A PERPENDICULAR DISTANCE OF 10' ON EACH SIDE OF CROSSING.

b. INSTALL A CONTINUOUS PVC LINER INSIDE THE SEWER FOR A PERPENDICULAR DISTANCE OF 10' EACH SIDE OF THE CROSSING.

PLEASE BE CONSCIOUS OF DAMAGING THE PAINT ON THE HYDRANTS DURING INSTALLATION. THE VILLAGE OF ROMEOVILLE HAS FOUND THAT THE PAINT ON THE HYDRANTS CAN BEEN DAMAGED DURING BACKFILLING. IF REQUESTED BY THE VILLAGE OF ROMEOVILLE WATER SUPERINTENDENT, ANY HYDRANTS EXHIBITING EXCESSIVE ROCK DAMAGE WILL BE SAND BLASTED AND REPAINTED BY AN APPROVED CONTRACTOR PRIOR TO ACCEPTANCE.

A MINIMUM OF 48 HOURS PRIOR TO ANY WATER USAGES (I.E. FLUSHES, FILLS, ETC.), THE CONTRACTOR MUST CALL THE VILLAGE OF ROMEOVILLE'S WATER DEPARTMENT AT (815) 886-1870 TO GET APPROVAL OF SAID USAGE. ANY UNAUTHORIZED USAGES WILL RESULT IN PENALTIES.

ALL VALVES AND HYDRANTS SHALL BE SUBMITTED TO THE VILLAGE OF ROMEOVILLE WATER DEPARTMENT FOR WRITTEN APPROVAL PRIOR TO ORDERING.

SEWER NOTES

COUNTY REGULATIONS.

JOINT CONNECTORS AND SOLVENT WELD.

ALL STORM SEWER CONSTRUCTION REQUIRES STONE BEDDING 1/4" TO 1" IN SIZE. WITH A MINIMUM THICKNESS EQUAL TO 1/4TH THE OUTSIDE DIAMETER OF THE SEWER PIPE, BUT NOT

THE MAXIMUM HEIGHT OF ADJUSTING RINGS SHALL BE 8".

THE UNDERGROUND CONTRACTOR SHALL BE RESPONSIBLE FOR DEWATERING ANY EXCAVATION FOR THE INSTALLATION OF THE SEWERS OR THE WATER SYSTEM. ANY DEWATERING ENCOUNTERED SHALL BE INCIDENTAL TO THE RESPECTIVE UNDERGROUND UTILITY CONTRACT PRICE.

CONTRACTOR SHALL INFORM ALL PUBLIC UTILITIES AT LEAST 72 HOURS PRIOR TO COMMENCING CON-STRUCTION.

ALL EXISTING M.H. AND C.B. COVERS TO BE ADJUSTED TO PROPOSED GRADE.

SEE SPECIFICATIONS FOR FUTHER DETAILING AND TESTING INFORMATION AS REQUIRED. ALL UTILITY CONSTRUCTION TO BE PER THESE PLANS AND SPECIFICATIONS, AND ALL OTHER APPLICABLE REQUIREMENTS OF ALL AGENCIES WITH THE REVIEWING AND APPROVING AUTHORITY FOR CONSTRUCTION ON THE SITE, SHOULD THERE BE ANY CONFLICT BETWEEN THE REQUIREMENTS OF THESE PLANS AND SPECIFICATIONS-EITHER AMONG THEMSELVES OR WITH THE REQUIREMENTS OF THE OTHER REVIEWING AGENCIES-THE CONTRACTOR SHOULD NOTIFY THIS ENGINEER IN WRITING PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. FAILURE TO DO SO WILL BE AT THE SOLE EXPENSE OF THE CONTRACTOR.

CONTRACTOR TO FOLLOW VILLAGE, STATE, OR COUNTY REGULATION AS APPLICABLE FOR TRENCH BACKFILL. ALL UNDERGROUND UTILITY SERVICES SHALL BE IN ACCORDANCE WITH APPLICABLE VILLAGE, STATE, &

ALL EXISTING DRAIN TILE SHALL BE DISCONNECTED FROM THE SEWERS.

WHENEVER A SEWER CROSSES UNDER A WATERMAIN, THE MIN. VERTICAL DISTANCE FROM TOP/ SEWER TO BOT, /WATER MAIN SHALL BE 18". FURTHER MORE A MIN. HORIZONTAL DISTANCE OF 10' BETWEEN SEWERS & MAINS SHALL BE MAINTAINED UNLESS THE SEWER IS LAID IN A SEPARATE TRENCH KEEPING A MIN. 18" VERTICAL SEPARATION; OR THE SEWER IS LAID IN THE SAME TRENCH WITH THE MAIN LOCATED AT THE OPPOSITE SIDE ON A BENCH OF UNDISTURBED EARTH, KEEPING A MIN. 18" SEP-ARATION. IF EITHER VERT, OR HORZ, DISTANCE DESCRIBED ABOVE CANNOT BE MAINTAINED, OR THE SEWER CROSSES ABOVE THE MAIN, THEN, WITHIN 10' EITHER SIDE OF THE MAIN, THE SEWER PIPE SHALL BE CAST IRON, DUCTILE IRON, CONSTRUCTED OF SLIP ON OR MECHANICAL JOINTS.

CONTRACTOR TO PROVIDE AT LEAST 3 FEET OF TEMPORARY EARTH FILL OVER THE TOP OF THE PIPE BEFORE HEAVY CONSTRUCTION EQUIPMENT IS PERMITTED TO CROSS OVER A PIPE. THE FILL SHOULD BE OF SUFFICIENT WIDTH TO PREVENT POSSIBLE LATERAL DISPLACEMENT OF THE PIPE.

ALL SEWERS HAVING LESS THAN 1'-0" CLEAR COVER FROM THE TOP OF THE PIPE TO THE BOTTOM OF THE SUBGRADE SHALL BE DUCTILE IRON PIPE WITH MECHANICAL JOINTS ACCORDING TO ASA A-21.11 ALL SANITARY SEWERS FALLING IN THIS CATEGORY SHALL BE CONSTRUCTED WITH ADEQUATE INSULATION

TO PREVENT LINE FREEZING. ALL SANITARY SEWERS SHALL HAVE A MINIMUM COVER OF 5 FEET OR FROST DEPTH WHICHEVER IS GREATER AND SHALL BE OF THE TYPE ACCEPTED BY THE AUTHORITY HAVING JURISDICTION OVER THIS PROJECT.

STORM SEWERS SHALL BE REINFORCED CONCRETE PIPE AND INSTALLED IN LOCATIONS AND OF SIZES INDICATED ON DRAWINGS. STORM SEWER JOINTS MUST BE FLEXIBLE GASKET O-RING PER ASTM C361. ASTM C443 AND ASTM C1619.

VILLAGE REQUIRES SUBMISSION OF RECORDED VIDEO INSPECTIONS OF ALL PUBLIC STORM SEWER.

GRADE PIPING BY MEASURING WITH ROD FROM OVERHEAD GRADE LINE OR CENTERLINE BATTER BOARDS. EACH SECTION OF PIPE SHALL BE INSPECTED BEFORE BEING LOWERED INTO TRENCH. DEFECTIVE, DAMAGED OR UNSOUND PIPE SHALL BE REJECTED AND REMOVED FROM THE SITE.

WHEN TRENCH HAS BEEN EXCAVATED TO REQUIRED DEPTH, THE BOTTOM SHALL BE TESTED TO DETER-MINE ITS SUITABILITY FOR PIPE SUPPORT, AS APPROVED BY THE SOILS ENGINEER. IF TRENCH BOTTOM IS NOT FOUND SUITABLE, PROVIDE CONCRETE CRADLE SUPPORT AS SPECIFIED UNDER 2.01 A, 1.

AS PIPE LAYING PROGRESSES, CLEAR PIPE INTERIOR OF DIRT, JOINT COMPOUND OF OTHER SUPERFLUOUS

OF CLAY TILE SHALL BE COMPRESSION TYPE, JOINTS IN PVC PLASTIC PIPE SHALL HAVE PREFABRICATED

MATERIALS, DURING WORK STOPAGE PERIODS, PROVIDE EFFECTIVE PLUGS OR COVERS FOR OPEN ENDS OF PIPE TO PREVENT FOREIGN MATTER FROM ENTERING. CLEAN JOINT CONTACT SURFACES IMMEDIATELY PRIOR TO JOINTING. USE LUBRICANTS, PRIMERS OR

ADHESIVES AS RECOMMENDED BY JOINT MANUFACTURER. PERFORATED SUBSURFACE DRAIN SHALL BE LAID TO LINE AND GRADE INDICATED ON DRAWINGS. JOINTS

LAY PIPE, EMBED IT FIRMLY TO REQUIRED LINE AND GRADE WITH BELLS OR GROOVE END UP-GRADE. FIT ENDS TOGETHER, EXCAVATE BELL HOLES SO THAT SEWER WILL HAVE SMOOTH AND UNIFORM INVERT THROUGHOUT ITS LENGTH.

CONCRETE PIPE SHALL BE PLACED AS SPECIFIED ABOVE FOR CLAY PIPE OR MAY BE PLACED ON A SHAPED SUBGRADE WITH A BEDDING MATERIAL FOUNDATION, FOUNDATION WIDTH SHALL BE A MINIMUM TWO THIRDS (2/3) OF THE DIAMETER OF THE PIPE AND THREE INCHES (3") MINIMUM IN DEPTH.

SOIL EROSION & SEDIMENTATION CONTROL NOTES

- 1. THE CONTRACTOR SHALL PERFORM ALL WORK PER -"PROCEEDURES & STANDARDS FOR SOIL EROSION AND SEDIMENTATION CONTROL IN ILLINOIS. (I.E.P.A./LATEST EDITION)
- 2. THE CONTRACTOR SHALL PROTECT ALL EXISTING AND PROPOSED DITCHES, STORM SEWER STRUCTURES SILTATION BY INSTALING: EXCELSIOR ROLL, FILTER FABRIC AND SILT FENCE BEFORE STARTING WORK. 3. THE CONTRACTOR SHALL INSPECT & MAINTAIN POSITIVE SITE DRAINAGE DURING CONSTRUCTION AND PREVENT ANY SOIL EROSION OR DOWNSTREAM SILT TRANSPORT.
- 4. THE CONTRACTOR SHALL CLEAN ALL STORM DRAINAGE STRUCTURE BEFORE A FINAL VILLAGE INSPECTION.
- 5. THE CONTRACTOR SHALL INSTALL A PERIMETER SILT FENCE AND FILTER FABRIC UNDER STORM DRAIN
- 6. THE CONTRACTOR SHALL FILTER ANY PUMPED EXCAVATION GROUND WATER BEFORE IT FLOWS OFF SITE. 7. THE CONTRACTOR SHALL ROUTINELY INSPECT AND MAINTAIN THE SITE'S SOIL EROSION AND SILT
- 8. THE CONTRACTOR SHALL INSTALL A PERIMETER SILT FENCE BEFORE STARTING GRADING OR DEMO WORK. 9. ALL ACCESS TO AND FROM THE CONSTRUCTION SITE IS TO BE RESTRICTED TO THE CONSTRUCTION
- 10. ALL TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL PRACTICES MUST BE MAINTAINED AND REPAIRED AS NEEDED TO ASSURE EFFECTIVE PERFORMANCE OF THEIR INTENDED FUNCTION.

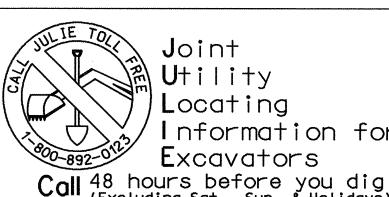
VICINITY MAP BELMONT DR CONCORD AVE. SITE LOCATION DOVER AVE. ELGIN AVE.

DRAWING INDEX

- C-1 TITLE SHEET
- C-2 TOPOGRAPHICAL MAP
- C-3 DEMOLITION PLAN C-4 PAVING PLAN
- C-5 GRADING PLAN
- C-6 UTILITY PLAN
- C-7 EROSION CONTROL PLAN

LOCATION MAP

- C-8 STORMWATER POLLUTION
- PREVENTION PLAN C-9 CONSTRUCTION DETAILS
- C-10 CONSTRUCTION DETAILS



(Excluding Sat., Sun. & Holidays)

LIMITATION OF WARRANTY OF ENGINEER'S INSTRUMENTS OF SERVICE

THE ENGINEER/SURVEYOR AND HIS CONSULTANTS DO NOT WARRANT OR GUARANTEE THE ACCURACY AND COMPLETENESS OF THE DELIVERABLES HEREIN BEYOND A REASONABLE DILIGENCE. IF ANY MISTAKES, OMISSIONS, OR DISCREPANCIES ARE FOUND TO EXIST WITHIN THE DELIVERABLES, THE ENGINEER SHALL BE PROMPTLY NOTIFIED SO THAT HE MAY HAVE THE OPPORTUNITY TO TAKE WHATEVER STEPS NECESSARY TO RESOLVE THEM. FAILURE TO PROMPTLY NOTIFY THE ENGINEER OF SUCH CONDITIONS SHALL ABSOLVE THE ENGINEER FROM ANY RESPONSIBILITY FOR THE CONSEQUENCES OF SUCH FAILURE. ACTIONS TAKEN WITHOUT THE KNOWLEDGE AND CONSENT OF THE ENGINEER, OR IN CONTRADICTION TO THE ENGINEER'S DELIVERABLES OR RECOMMENDATIONS, SHALL BECOME THE RESPONSIBILITY NOT OF THE ENGINEER BUT OF THE PARTIES RESPONSIBLE FOR

BENCHMARK:

SITE BENCHMARKS:

TAKING SUCH ACTION.

• IRON ROD WITH RED CAP (JHA CP1) 90' +/- NORTH OF THE S.W. CORNER OF LOT 11 ON THE EAST SIDE OF ANDERSON DR. ELEVATION = 612.44 612.47 (NAVD 88 WILL CO.)

2. 5/8" IRON REBAR WITH RED CAP (JHA CP6) AT THE S.E. CORNER OF ANDERSON DR. AND MONTROSE DR. ELEVATION = 613.00

NOTE:

NOTE:

LINES SHOWN HEREON ARE BASED ON "ALTA / ACSM Land Title Survey" DONE BY: JACOB & HEFNER ASSOCIATES, P.C. 1901 S. Meyers Road. Suite 350 OAK BROOK, IL 60181 TEL. (630) 652-4600 FAX (630) 652-4603 FAX (630) 652-4601

> PROJECT: SITE IMPROVEMENT PLANS COMMERCIAL BUILDING FOR CN GROUP at: 525 ANDERSON DRIVE ROMEOVILLE, ILLINOIS

TITLE SHEET

Contact: David Cieluch - OWNER (773) 306-6253

CIVIL ENGINEERING

PHONE 847-573-9758 FAX 847-573-9388 14044 W. PETRONELLLA DRIVE; Suite #2. LIBERTYVILLE, ILLINOIS 60048

PLANNERS SCALE NONE PROJECT NO. 53816 DRAWING NUMBER DATE 02-01-2017 FILE NO. 1-1-1

Expiration 11/30/17

JOHN KRZYZANOWSKI REGISTERED PROFESSIONAL ENGINEER NO. 062-40870

THEREBY CERTIFY THAT THESE PLANS

AND SPECIFICATIONS WERE DRAWN

UNDER MY DIRECT SUPERVISION

SITE AS BUILT PLANS WILL NEED TO BE SUBMITTED TO THE VILLAGE OF ROMEOVILLE AT THE

"TO THE BEST OF OUR KNOWLEDGE AND BELIEF, THE DRAINAGE OF SURFACE WATERS WILL NOT BE CHANGED

WATERS INTO PUBLIC AREAS OR DRAINS APPROVED FOR USE BY THE GENERALLY ACCEPTED ENGINEERING

Owner or Owner's Duly Authorized Agent

PRACTICES SO AS TO REDUCE THE LIKELIHOOD OF DAMAGE TO ADJOINING PROPERTIES BECAUSE OF THE

BE CHANGED, REASONABLE PROVISIONS HAVE BEEN MADE FOR COLLECTION AND DEVERSION OF SUCH SURFACE

BY THE CONSTRUCTION OF THIS DEVELOPMENT OR ANY PART THEROF, OR, THAT IF DRAINAGE WILL

Registered Professional Engineer

CONCLUSION OF THE PROJECT.

CONSTRUCTION OF THIS DEVELOPMENT."

DRAINAGE STATEMENT:

SEAL

3062-40870°s

REGISTERED

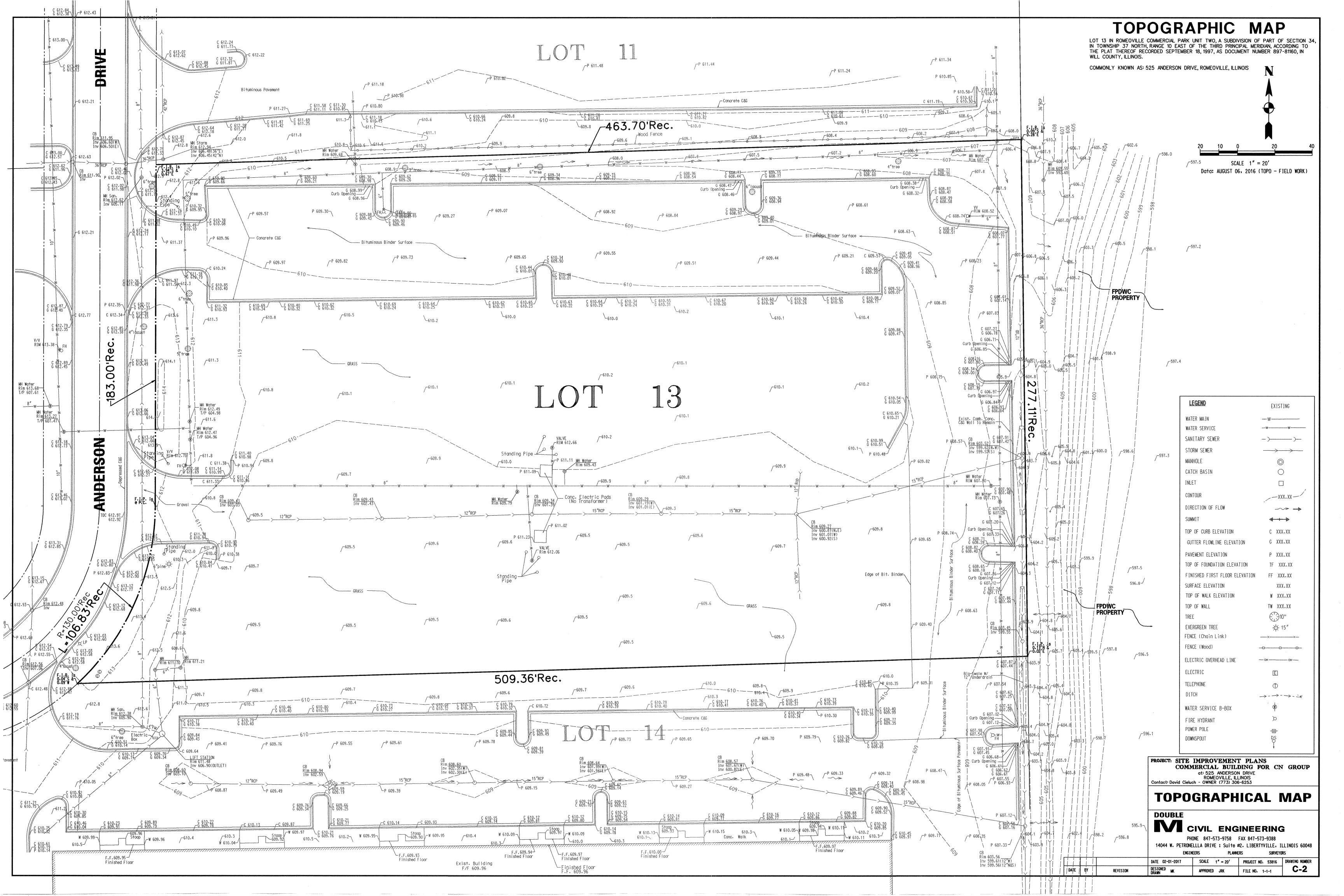
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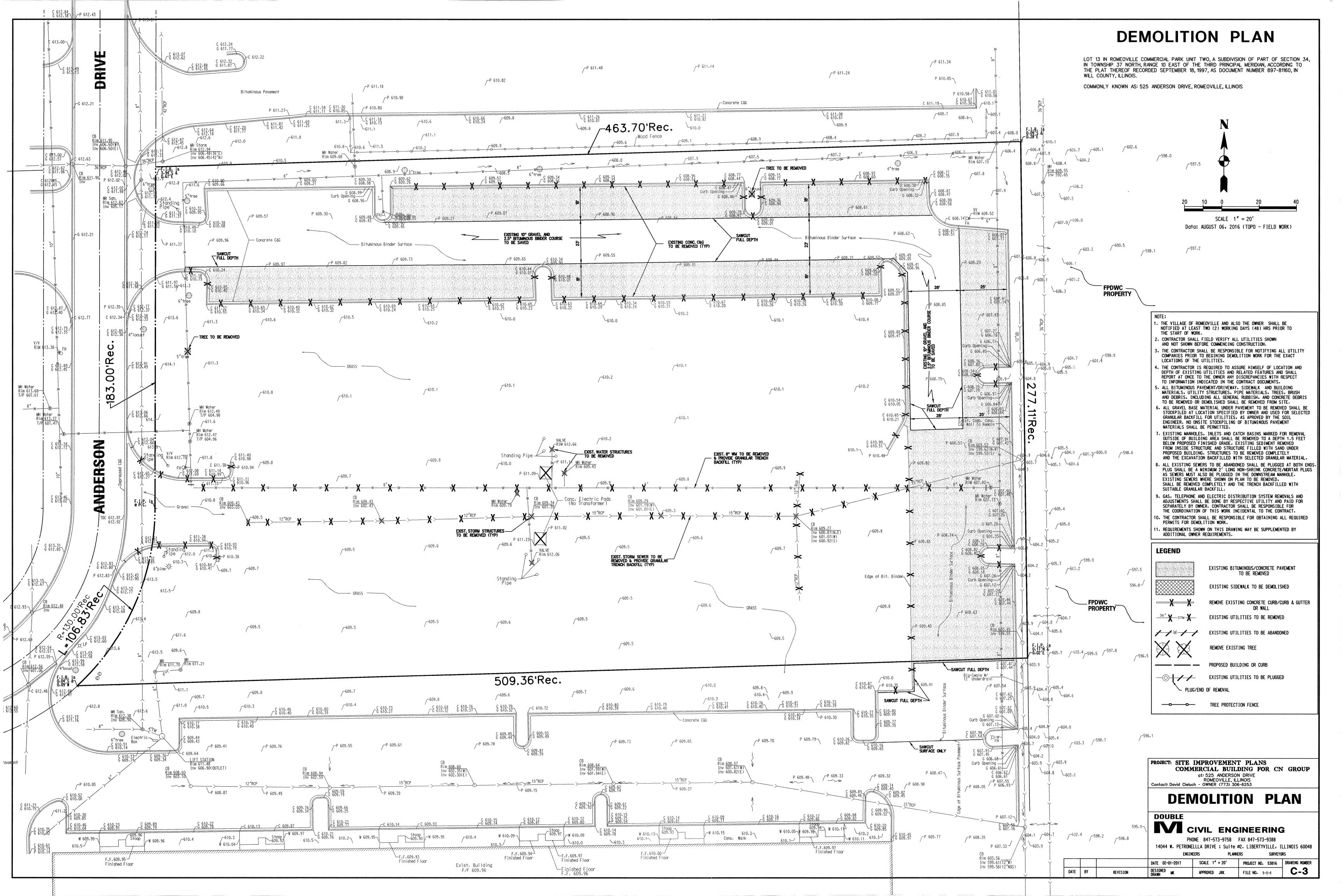
ENGINEER

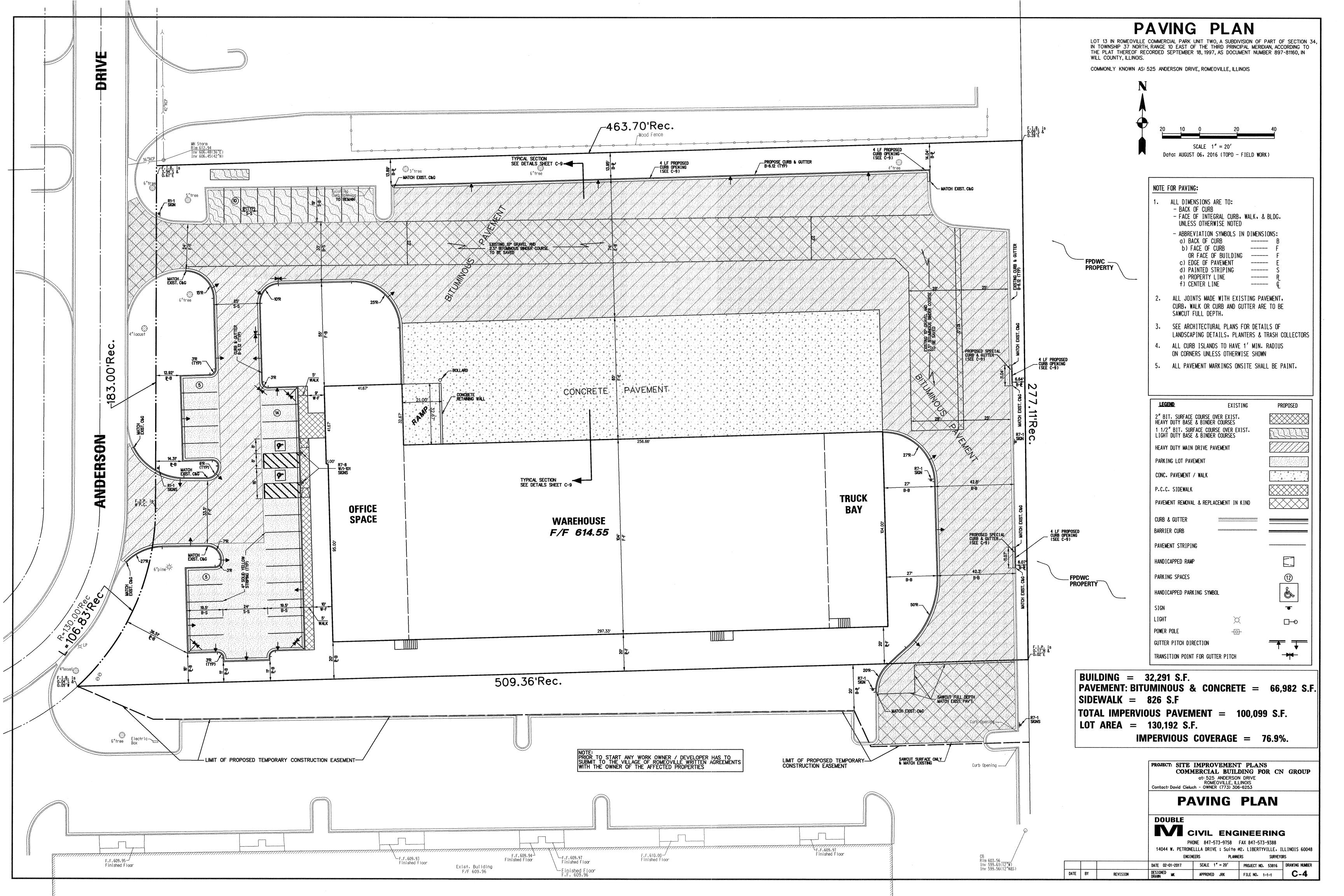
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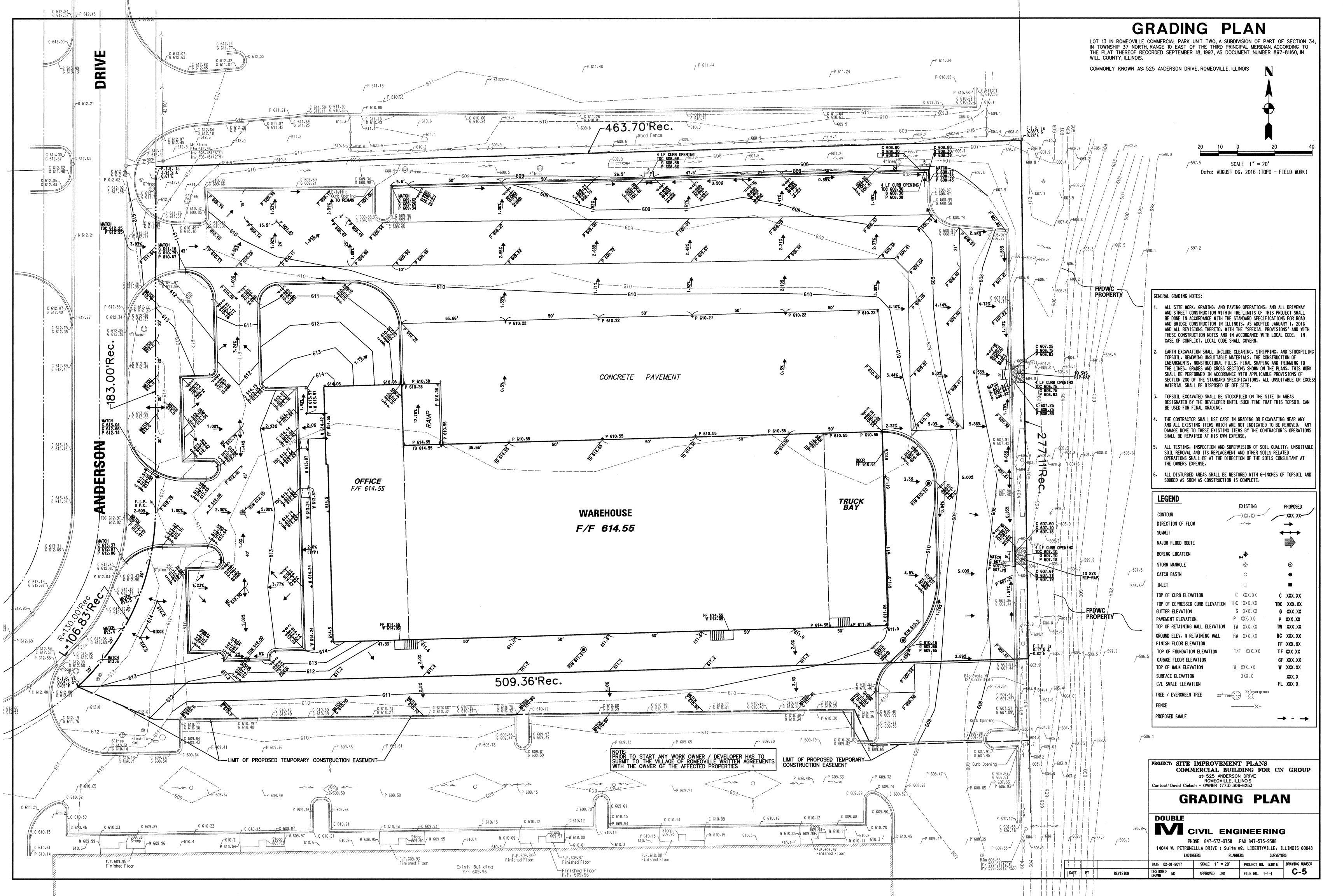
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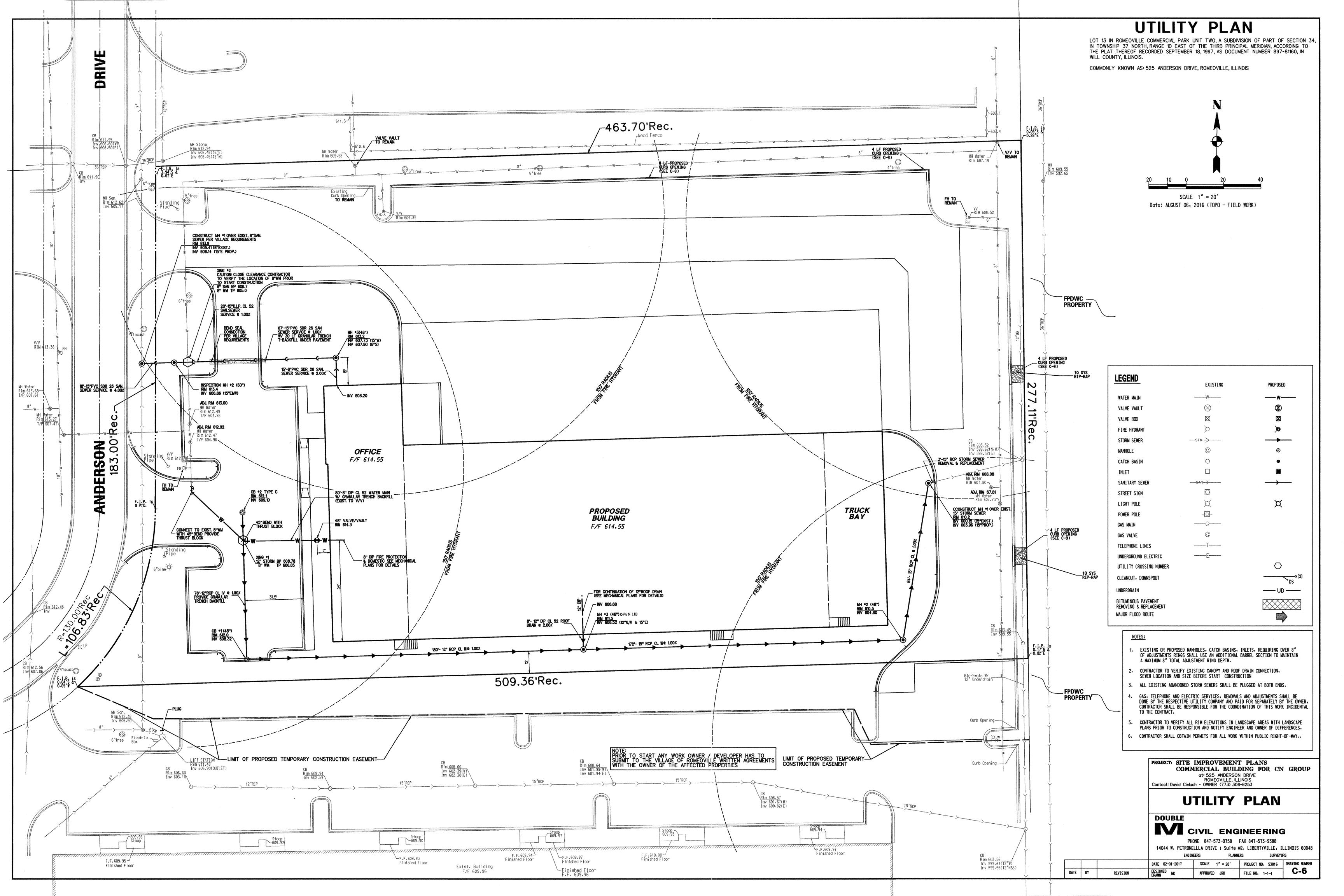
DATE BY REVISION APPROVED JRK

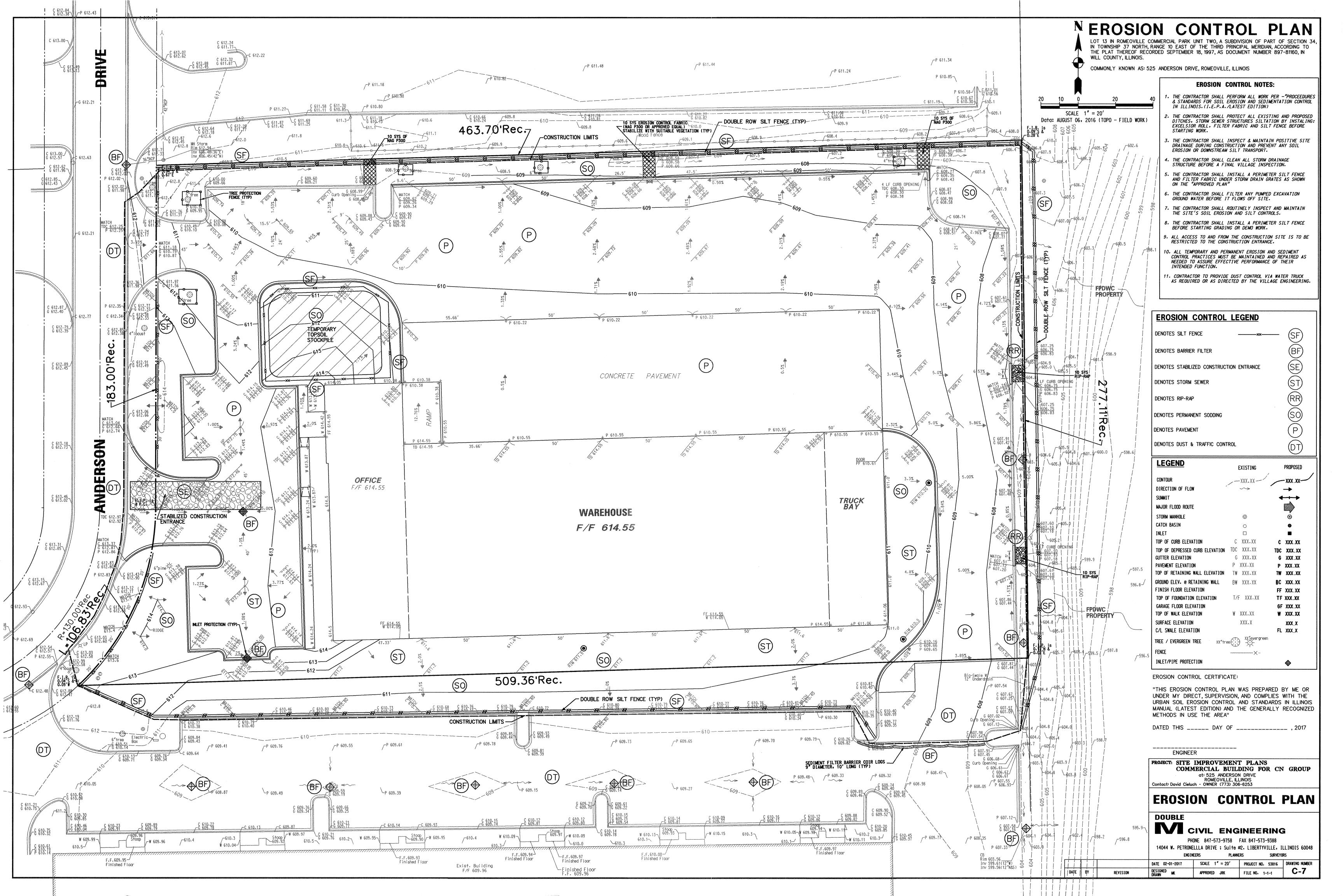












STORM SEWERS, AND SOIL EROSION AND SEDIMENTATION CONTROL MEASURES, AS A MINIMUM, THE FOLLOWING IS A DESCRIPTION OF THE INTENDED SEQUENCE OF MAJOR ACTIVITIES WHICH WILL DISTURB SOILS FOR MAJOR PORTIONS OF THE CONSTRUCTION SITE, SUCH AS GRUBBING, EXCAVATION AND GRADING. THE SEQUENCE OF CONSTRUCTION ACTIVITIES MAY BE AS FOLLOWS: 1) INSTALL SILT FILTER FENCE AND STABILZED CONSTRUCTION ENTRANCE. 2) GRADING. 3) UNDERGROUND UTILITIES INSTALLATION. AND 4) FINE GRADING. THE SOIL EROSION AND SEDIMENTATION CONTROL ITEMS WILL BE CONTRUCTED AS NEEDED DURING THE ABOVE CONSTRUCTION ACTIVITIES. C. THE TOTAL AREA OF THE CONSTRUCTION SITE IS ESTIMATED TO BE 3.0 ACRES. THE TOTAL AREA OF THE SITE THAT IT IS ESTIMATED TO BE DISTURBED BY EXCAVATION, GRADING, OR OTHER ACTIVITIES, IS 3.28 ACRES.

SITE DESCRIPTION.

THE ESTIMATED RUNOFF COEFFICIENTS OF THE VARIOUS AREAS OF THE SITE AFTER CONSTRCTION ACTIVITIES ARE COMPLETED ARE CONTAINED IN THE PROJECT DRAINAGE CALCULATIONS DATED JULY 24, 2006, PREPARED BY JACOB & HEFNER ASSOCIATES, P.C. WHICH IS HEREBY INCORPORATED BY REFERENCE IN THIS PLAN. INFORMATION DESCRIBING THE SOILS AT THE SITE IS CONTAINED IN THE REPORT OF MARCH 18, 2004. WHICH IS HEREBY INCORPORATED BY REFERENCE, AND/OR IN AN ATTACHMENT TO THIS PLAN.

2. CONTROLS. THIS SECTION OF THE PLAN ADDRESSES THE VARIOUS CONTROLS THAT WILL BE IMPLEMENTED FOR EACH OF THE MAJOR CONSTRUCTION ACTIVITIES DESCRIBED IN 1.B ABOVE. FOR EACH MEASURE DICUSSED. THE CONTRACTORS WILL BE REPONSIBLE FOR ITS IMPLEMENTATION AS INDICATED. EACH SUCH CONTRACTOR HAS SIGNED THE REQUIRED CERTIFICATION ON FORMS WHICH ARE ATTACHED TO. AND ARE A PARTOF. THIS PLAN.

THIS PLAN HAS BEEN PREPARED TO COMPLY WITH THE PROVISIONS OF THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FOR STORMWATER DISCHARGES FROM CONSTRUCTION SITE ACTIVITIES.

A. THE FOLLOWING IS A DESCRIPTION OF THE CONSTRUCTION ACTIVITY FOLLOWING MASS GRADING, WHICH IS THE SUBJECT OF THIS PLAN:

THE PROPOSED DEVELOPMENT CONSISTS OF CONSTRUCTION OF ONE WAREHOUSE BUILDING ON A 3.0 +/- ACRE SITE WITH ALL RELATED PAVING AND INFRASTRACTURE IMPROVEMENTS. THE CONSTRUCTION ACTIVITIES FOR SITE IMPROVEMENTS WILL INCLUDE: GRADING, INSTALLATION OF UTILITIES INCLUDING

A. EROSION AND SEDIMENTS CONTROLS.

(I) STABILIZATION PRACTICES. PROVIDED BELOW IS DESCRIPTION OF INTERIM AND PERMANENT STABILIZATION PRACTICES. INCLUDING SITE-SPECIFIC SCHEDULING OF THE IMPLEMENTATION OF THE PRACTICES. SITE PLANS WILL ENSURE THAT EXISTING VEGETATION IS PRESERVED WHERE ATTAINABLE AND DISTURBED PORTIONS OF THE SITE WILL BE STABILIZED. EXCEPT AS PROVIDED IN 2.A.(1)-(A) AND 2.B. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED. BUT IN NO CASE MORE THAN 14 DAYS AFTER CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED ON ALL DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY WILL NOT OCCUR FOR A PERIOD OF 21 OR MORE CALENDAR DAYS.

(A). WHERE THE INITIATION OF STABILIZATION MEASURES BY THE 7TH DAY AFTER CONSTRUCTION ACTIVITY TEMPORARILY OR PERMANENTLY CEASES IS PRECLUDED BY SNOW COVER, STABILIZATION MEASURES SHALL BE INITIATE AS SOON AS PRACTICABLE THEREAFTER. THE FOLLOWING INTERIM AND PERMANENT STABILIZATION PRACTICES. AS A MINIMUM, WILL BE IMPLEMENTED TO STABILIZE THE DISTURBED AREA OF THE SITE:

PERMANENT SEEDING SILT FILTER FENCE STABILIZED CONTRUCTION ENTRANCE

(II) STRUCTURAL PRACTICES. PROVIDED BELOW IS A DESCRIPTION OF STRUCTURAL PRACTICES THAT WILL IMPLEMENTED. TO THE DEGREE ATTAINABLE. TO DIVERT FLOWS FROM EXPOSED SOILS. STORE FLOWS OR OTHERWISE LIMIT RUNOFF AND THE DISCHARGE OF POLLUTANTS FROM EXPOSED AREAS OF THE SITE. THE INSTALLATION OF THESE DEVICES MAY BE SUBJECT TO SECTION 404 OF THE CLEAN WATER ACT:

PROPOSED DETENTION PONDS
STORM SEWER SYSTEM
PERMANENT SEEDING **B. STORMWATER MANAGEMENT**

(I). PROVIDED BELOW IS A DESCRIPTION OF MEASURES THAT WILL BE INSTALLED DURING THE CONTRUCTION PROCESS TO CONTROL POLLUTANTS IN STORMWATER DISCHARGES THAT WILL OCCUR AFTER CONSTRUCTION OPERATIONS HAVE BEEN COMPLETED. THA INSTALLATION OF THESE DEVICES MAY BE SUBJECT TO SECTION 404 OF THE CLEAN WATER ACT.

THE PRACTICES SELECTED FOR IMPLEMENTATION WERE DETERMINED ON THE BASIS OF THE TECHNICAL GUIDANCE CONTAINED IN IEPA'S STANDARD SPECIFICATIONS FOR SOIL EROSION SEDIMENTATION CONTROL, AND OTHER ORDINANCES LISTED IN THE SPECIFICATIONS.

THE STORMWATER POLLUTANT CONTROL MEASURES SHALL INCLUDE:

(II). VELOCITY DESSIPATION DEVICES WILL BE PLACED AT DISCHARGE LOCATIONS AND ALONG THE LENGHT OF ANY OUTFALL CHANNEL AS NECESSARY TO PROVIDE A NON-EROSIVE VELOCITY FLOW FROM THE STRUCTURE TO A WATERCOURSE SO THAT THE NATURAL, PHYSICAL, AND BIOLOGICAL CHARACTERISTICS AND FUNCTIONS ARE MAINTAINED AND PROTECTED (E.G., MAINTENANCE OF HYDROLOGIC CONDITIONS, SUCH AS THE HYDROPERIOD AND HYDRODYNAMICS PRESENT PRIOR TO THE INITIATION OF CONSTRUCTION ACTIVITIES).

STORMWATER MANAGEMENT CONTROL INCLUDES:

1. FABRIC FILTER FOR INLET PROTECTION
2. BARIER FILTER COIR LOGS
3. RIP-RAP OUTLET PROTECTION
4. LEVEL SPREADER

C. OTHER CONTROLS

(I). WASTE DISPOSAL. THE SOLID WASTE MATERIALS INCLUDING TRASH, CONTRUCTION DEBRIS, EXCESS CONTRUCTION MATERIALS, MACHINERY, TOOLS AND OTHER ITEMS WILL COLLECTED AND DISPOSED OFF-SITE BY THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE TO ACQUIRE ANY PERMIT REQUIRED FOR SUCH DISPOSAL. BURNING ON THE SITE WILL NOT BE PERMITTED. NO SOLID MATERIALS, INCLUDING BUILDING MATERIALS, SHALL BE DISCHARGED INTO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.

(11). THE PROVISIONS OF THIS PLAN SHALL ENSURE AND DEMONSTRATE COMPLIANCE WITH APPLICABLE STATE AND/OR LOCAL WASTE DISPOSAL, SANITARY SEWER OR SEPTIC SYSTEM REGULATIONS.

THE SANITARY SEWAGE WILL BE DISCHARGED TO THE PROPOSED SANITARY SEWER CONSTRUCTED PER IEPA AND LOCAL STANDARDS.

ROMEOVILLE COMMERCIAL PARK, LLC 1235 NAPERVILLE DRIVE ROMEOVILLE. ILLINOIS 60446 (630) 759 - 2566

D. APPROVED STATE OR LOCAL PLANS. THE MANAGEMENT PRACTICES, CONTROLS, AND OTHER PROVISIONS CONTAINED IN THIS PLAN ARE AT LEAST AS PROTECTIVE AS THE REQUIREMENTS CONTAINED IN THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY'S STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL DATED OCTOBER 1987, ILLINOIS PROCEDURES AND STANDARDS FOR URBAN SOIL EROSION AND SEDIMENTATION PLAN, AND AND THE MUNICIPAL SUBDIVISION ORDINANCE. REQUIREMENTS SPECIFIED IN SEDIMENT AND EROSION CONTROL SITE PLANS OR SITE PERMITS OR STORMWATER MANAGEMENT SITE PLANS OR SITE PERMITS APPROVED BY LOCAL OFFICIALS THAT ARE APPLICABLE TO PROTECTING SURFACE WATER RESOURCES ARE, UPON SUBMITTAL OF AN NOI TO BE AUTHORIZED TO DISCHARGE UNDER THIS PERMIT, INCORPORATED BY REFERENCE AND ARE ENFORCEABLE UNDER THIS PERMIT EVEN IF THEY ARE NOT SPECIFICALLY INCLUDED IN THE PLAN.

DESCRIPTION: This work shall consist of furnishing, installation, and removal of a drainage structure inlet filter assembly, consisting of a frame and filter bag,

MATERIALS: The drainage structure inlet shall be the (INLET AND PIPE PROTECTION), as furnished by Marathon Materials, Inc. 25523 W. Shultz St., Plainfield, IL 60544, (800) 983-9493, or approved equal. A detailed drawing in the plans depicts the drainage structure inlet filter assembly

INLET AND PIPE PROTECTION

The Contractor shall inspect the worksite and review the plans to determine the number and dimensions of the various types of drainage structure frames (circular and rectangular) into which the inlet filters will be installed prior to ordering materials.

Final removal of the assembly shall include the disposal of debris or silt that has accumulated in the filter bag at the time of final removal.

be substituted for new materials. The drainage structure inlet filter assembly frame shall be rigid steel meeting the requirements of

The drainage structure inlet filter assembly shall consist of a steel frame with a replaceable geotextile fabric bag attached with a steel band with

locking cap that is suspended from the frame. A clean used bag and used steel frame in good condition, meeting the approval of the Engineer, may

The drainage structure inlet filter assembly shall be installed under the grate on the lip of the drainage structure frame with the fabric bag hanging down into the drainage structure.

to collect sediment in surface storm water runoff at locations shown on the plans or as directed by the Engineer.

The drainage structure inlet filter assembly shall remain the property of the Contractor.

Periodic cleaning of the filter is paid for separately.

The drainage structure inlet filter assembly shall remain in place until final removal of the assembly is directed by the Engineer

coarse aggregate -**ELEVATION** TO EXTEND FULL WIDTH OF ENTRANCE

SECTION A-A

4. CONSTRUCTION ENTRANCE SHALL BE REMOVED UPON COMPLETION OF CONSTRUCTION AND ONLY WHEN DIRECTED BY VILLAGE ENGINEERING.

STABILIZED CONSTRUCTION ENTRANCE

. GEOTEXTILE FILTER FABRIC SHALL BE PLACED OVER THE CLEARED AREA PRIOR TO PLACING COARSE AGGREGATE

COARSE AGGREGATE (OR CRUSHED CONCRETE) SHALL MEET IDOT GRADUATION FOR CA-1 CRUSHED AGGREGATE.

. STABILIZED CONSTRUCTION ENTRANCE SHALL BE INSTALLED PRIOR TO ONSET OF CONSTRUCTION OPERATIONS AND SHALL BE MAINTAINED THROUGHOUT THE PROJECT.

EXISTING PAVEMENT

NOTES:

THE FOLLOWING IS A DESCRIPTION OF PROCEDURES THAT WILL BE USED TO MAINTAIN, IN GOOD AND EFFECTIVE OPERATING CONDITIONS, VEGETATIONS, EROSION AND SEDIMENT CONTROL MEASURES AND OTHER PROTECTED MEASURES IDENTIFIED IN THIS PLAN AND STANDARD SPECIFICATIONS.

STABILIZED CONSTRUCTION ENTRANCE: THE ENTRANCE SHALL BE MAINTAINED, TO PREVENT TRACKING OF SEDIMENT ONTO PUBLIC STREETS. THIS WILL BE DONE BY TOP DRESSING WITH ADDITIONAL STONES, REMOVE AND REPLACE TOP LAYER OF STONES OR WASHING THE ENTRANCE. THE SEDIMENTS WASHED ON THE PUBLIC RIGHT-OF-WAY WILL BE REMOVED IMMEDIATELY.

VEGETATIVE EROSION CONTROL MEASURES: THE VEGETATIVE GROWTH OF TEMPORARY AND PERMANENT SEEDING, SODDING, VEGETATIVE CHANNELS, VEGETATIVE FILTER, ATC. SHALL BE MAINTAINED PERIODICALLY AND SUPPLY ADEQUATE WATERING AND FERTILIZER. THE VEGETATIVE COVER SHALL BE REMOVED AND

SEDIMENTATION BASINS/TRAPS: THE SEDIMENTS SHALL BE REMOVED WHEN 40-50 PERCENT OF THE TOTAL ORIGINAL CAPACITY IS OCCUPIED BY THE SEDIMENT. IN NO CASE SHALL THE SEDIMENT BE BUILT UP TO MORE THAN 1 FOOT BELOW THE CREST ELEVATION. AT THIS STAGE, THE BASIN SHALL BE CLEANED OUT TO RESTORE

RIP-RAP OUTLET PROTECTION: IT SHALL BE INSPECTED AFTER HIGH FLOWS FOR ANY SCOUR BENEATH THE RIP-RAP OR FOR STONES THAT HAVE BEEN DISLODGED. IT SHALL BE REPAIRED IMMEDIATELY.

d. DISTURBED AREAS AND AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION HSAL BE INSPECTED FOR EVIDANCE OF, OR THE POTENTIAL FOR, POLLUTANTS ENTERING THE DRAINAGE SYSTEM. EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY, WHERE DISCHARGE LOCATIONS OR POINTS ARE ACCESSIBLE, THEY SHELL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATERS. LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE SHALL BE INSPECTED FOR EVIDANCE OF OFF SITE SEDIMENT TRACKING.

b. BASED ON THE RESULTS OF THE INSPECTION. THE DESCRIPTION OF POTENTIAL POLLUTANT SOURCES INDENTIFIED IN SECTION 1 ABOVE AND POLLUTION PREVENTION MEASURES INDENTIFIED IN SECTION: ABOVE SHALL BE REVISED AS APPROPRATE AS SOON AS PRACTICABLE AFTER SUCH INSPECTION. ANY CHANGES TO THIS PLAN RESULTING FROM THE TROUTED INSPECTIONS SHALL BE IMPLEMENTED

C. A REPORT SUMMARIZING THE SCOPE OF THE INSPECTION, NAME(s) AND QUALIFICATIONS OF PERSONNEL MAKING THE INSPECTION, THE DATE(s) OF THE INSPECTION, MAJOR OBSERVATIONS RELATING TO THE IMPLEMENTATION OF THIS STORMWATER POLLUTION PREVENTION PLAN, AND ACTIONS TAKEN IN ACCORDANCE WITH SECTION 4.6. SHALL BE MADE AND RETAINED AS PART OF THE PLAN FOR AT LEAST THREE (3) YEARS AFTER THE DATE OF THE INSPECTION. THE REPORT SHALL BE BE SIGNED IN ACCORDANCE WITH PART VI.G OF THE GENERAL PERMIT.

d. IF ANY VIOLATION OF THE PROVISIONS OF THIS PLAN IS IDENTIED DURING THE CONDUCT OF THE CONSTRUCTION WARK COVERED BY THIS PLAN, THE RESIDENT ENGINEER OR RESIDENT TECHNITIAN SHALL COMPLETE AND FILE AN 'INCIDANCE OF NONCOMPLIANCE' (ION) REPORT FOR THE IDENTIFIED VIOLATION. THE RESIDENT ENGINEER OR RESIDENT TECHNICIAN SHALL USE FORMS PROVIDED BY ILLINOIS ENVIRONMENTAL PROTECTION AGENCY AND SHALL INCLUDE SPECIFIC IINFORMATION ON THE CAUSE OF NONCOMPLIANCE, ACTIONS WHICH WERE TAKEN TO PREVENT ANY FURTHER CAUSES OF NONCOMPLIANCE, AND A STATEMENT DETAILING ANY ENVIRONMENTAL IMPACT WHICH MAY HAVE RESULTED FROM THE NONCOMPLIANCE, ALL REPORTS OF NONCOMPLIANCE SHALL BE SIGNED BY A RESPONSIBLE AUTORITY IN ACCORDANCE WITH PART VI. G OF THE GENERAL PERMIT, THE REPORT OF NONCOMPLIANCE SHALL BE MAILED TO THE FOLLOWING ADDRESS:

EXCEPT FOR FLOWS FROM FIRE FIGHTING ACTIVITIES, SOURCES OF NON-STORMWATER THAT MAY BE COMBINED WITH STORMWATER DISCHARGES ASSOCIATED WITH THE RESIDENTIAL ACTIVITY ADDRESSED IN THIS PLAN, ARE

THE FIRE HYDRANT AND WATER MAIN SHALL NOT BE FLUSHED DIRECTLY ON THE EXPOSED AREA OR SUBGRADE OF THE PAVEMENT. HOSES SHALL BE USED TO DIRECT THE FLOW INTO THE STORM SEWER SYSTEM.

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY DIVISION OF WATER POLLUTION CONTROL ATTN: COMPLIANCE ASSURANCE SECTION 2200 CHURCHILL ROAD POST OFFICE BOX 19276

• WATER MAIN FLUSHING
• FIRE HYDRANT FLUSHING
• WATERING FOR DUST CONTROL
• IRRIGATION DRAINAGE FOR VEGETATIVE GROWTH FOR SEEDING• ETC..

THE POLLUTION PREVENTION MEASURES, AS DESCRIBED BELOW, WILL BE IMPLEMENTED FOR NON-STORMWATER COMPONENTS OF THE DISCHARGE:

EROSION CONTROL RESPONSIBILITY:

DUST CONTROL AND MAINTENANCE OF EROSION CONTROL STRUCTURES AND MEASURES DURING AND

AFTER DEVELOPMENT OF ROMEOVILLE COMMERCIIAL PARK LOTS 13 WILL BE THE LEGAL

THE EROSION DUE TO IRRGATION OF SEEDING SHALL BE CONSIDERED MINOR.

MAILED TO THE FOLLOWING ADDRESS:

RESPONSIBILITY OF:

SILT FILTER FENCE: THE DAMAGE SILT FILTER FENCE SHALL BE RESTORED TO MEET THE STANDARDS OR REMOVED AND REPLACE AS NEEDED.

THE OWNER, OR OWNER'S REPRESENTATIVE SHALL PROVIDE QUALIFIED PERSONEL TO INSPECT DISTURBED AREAS OF THE CONSTRUCTION SITE WHICH HAVE NOT BEEN FINALLY STABILIZED, STRUCTURAL CONTROL MEASURES, AND LOCATION WHERE VEHICLES ENTER OR EXIT THE SITE, SUCH INSPECTIONS SHALL BE CONDUCTED AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF STORM THAT IS 0.5 INCHES OR GREATER OR EQUIVALENT SNOWFALL.

BARRIER FILTERS: THE COIR LOGS BARRIER FILTER SHALL BE INSPECTED FREQUENTLY AND SHALL BE REPAIRED OR REMOVED AND REPLACE AS NEEDED.

4. INSPECTIONS

AN ON-SITE DRAINAGE SWALE SHALL BE LOCATED BETWEEN THE TOPSOIL STOCKPILE AND OFF-SITE PROPERTY. REFERENCE IS MADE TO THE SILT FENCE DETAIL (ER-3) FOR MATERIALS AND INSTALLATION METHODS. IF THE STOCKPILE IS TO REMAIN FOR MORE THAN 14 DAYS, IT SHALL ESTABILIZED WITH STRAW BLANKET OR SEEDED TO MINIMIZE EROSION.

SILT FENCE TO EXTEND AROUND ENTIRE PERIMETER OF TOPSOIL STOCKPILE, OR TO

EXTEND AROUND DOWNSTREAM

PORTION IF STOCKPILE IS ON SLOPE

INSPECTION OF SILT FENCES SHALL BE AT LEAST ONCE PER WEEK AND AFTER RAIN EVENTS IN EXCESS OF HALF INCH (1/2 ") PER DAY OF EQUAL SNOW MELT. REPAIR OR REPLACEMENT OF SILT FENCE SHALL BE MADE PROMPTLY AS NEEDED. SEDIMENT TRAPPED BY THE SILT FENCES SHALL BE REMOVED AND PROPERLY DISPOSED OF WHENEVER SEDIMENT ACCUMULATION DEPTH AT THE SILT FENCE IS APPROXIMATELY EQUAL TO TWELVE (12) INCHES (ONE-HALF OF SILT FENCE HEIGHT).

2 FT. (typ)

EROSION CONTROL FABRIC SHALL BE NORTH AMERICAN GREEN (NAG P-300 OR APPROVED EQUAL.

STABILIZATION AT CURB CUT NOT TO SCALE

NOTES:

INSTALL EROSION CONTROL FABRIC IN ACCORDANCE WITH MANUFACTURERS RECOMENDATIONS.

GRADE SURFACE BELOW CURB CUT TO PROVIDE FLOWLINE. BLEND INTO RECEIVING SWALE TO PROVIDE SMOOTH TRANSITION.

SILT FENCES SHALL BE MAINTAINED IN PLACE UNTIL TOPSOIL STOCKPILE HAS BEEN ELIMINATED AND SHALL BE REMOVED ONLY WHEN DIRECTED BY VILLAGE ENGINEERING. TO COMPLY WITH THE VILLAGE'S SAFETY REQUIREMENTS ERECTION OF STABLE AND SECURE SIX (6) FEET HIGH CHAIN LINK FENCE AROUND THI PERIMETER OF THE STOCKPILED MATERIAL IS REQUIRED. COORDINATE WITH THE ENGINEER. **TEMPORARY TOPSOI STOCKPILE**

SILT FENCE DETAIL

SILT FENCE SHALL BE MAINTAINED IN PLACE UNTIL COMPLETION OF CONSTRUCTION AND THE UPSLOPE AREA HAS BEEN STABILIZED AND SHALL BE REMOVED ONLY WHEN DIRECTED BY VILLAGE ENGINEERING

NOT TO SCALE

WOOD (2"x2") OR STEE (1.33 LBS/FT) POSTS — AT 4' MAX. SPACING

SECTEXTLE FABRI

COMPACTED BACKFILL ----

MIN. 6"x6" TRENCH CUSAGE OF SLICING METHOD

EXTEND GEOTEXTILE FABRIC

INTO TRENCH A MINIMUM OF 6" - VERTICALLY AND 6" HORIZONTALLY

SILT FENCE SHALL BE PLACED AT LOCATIONS SHOWN ON THE PLANS AND WHERE INDICATED BY VILLAGE ENGINEERING.

THE FABRIC FOR SILT FENCE SHALL BE A WOVEN FABRIC MEETING THE REQUIREMENTS OF AASHTO M 288 (TABLE 7) FOR UNSUPPORTED SILT FENCE WITH LESS THAN 50 PERCENT GEOTEXTILE ELONGATION.

ATTACH GEOTEXTILE FABRIC TO WIRE MESH WITH HOG RINGS. TO WOOD POSTS WITH NAILS, AND TO STEEL POSTS WITH TIE-WIRES AT TOP AND MID-SECTION.

INSPECTION OF SILT FENCES SHALL BE AT LEAST ONCE PER
WEEK AND AFTER RAIN EVENTS IN EXCESS OF HALF INCH (1/2") PER DAY OR EQUAL
SNOW MELT. REPAIR OR REPLACEMENT OF SILT FENCE SHALL BE MADE PROMPTLY
AS NEEDED.

OVERLAP GEOTEXTILE FABRIC BY 6" AND FOLD WHERE 2 SECTIONS ADJOIN.

SEDIMENT TRAPPED BY THE SILT FENCE SHALL BE REMOVED (AND PROMPTLY DISPOSED OF) WHENEVER SEDIMENT ACCUMULATION DEPTH AT THE SILT FENCE IS APPROXIMATELY EQUAL TO TWELVE (12) INCHES (ONE-HALF OF SILT FENCE HEIGHT) MATERIAL (GEOTEXTILE & POST) INSTALLATION, MAINTENANCE, AND SILT FENCE REMOVAL SHALL COMPLY WITH AASHTO, M 288 REQUIREMENTS.

OF HALF INCH (1-2") PER DAY OR EQUAL SNOW MELT. REPAIR OR REPLACEMENT OF SEDIMENT FILTER SHALL BE MADE COMPLETION OF CONSTRUCTION AND ONLY WHEN DIRECTED BY VILLAGE ENGINEERING. **ABOVE GRADE INLET FILTERS**

SEDIMENT BARRIER FILTER COIR LOGS 9" DIAMETER. 10' LONG INSTALL SEDIMENT FILTER EE NOTE 4 BASKET BELOW GRATE TYPICAL) TO PREVENT SILT FROM ENTERING DRAINAGE WOODEN WEDGE -3. EACH SEDIMENT BARRIER SHALL BE STAPLED (3.0' O.C.). STAPLES

JOIN THE ENDS TOGETHER WITH COIR TWINE STAPLE- EXISTING INLET OR CATCH BASIN GRATE

NOTES: 1. SEDIMENT FILTER BARRIERS (COIR LOGS OR APPROVED EQUAL) AND FILTER BASKETS SHALL BE INSTALLED AND MAINTAINED FOR ALL STORM SEWER INLETS, CATCH BASINS AND MANHOLES WITH OPEN GRATES, AS DIRECTED BY VILLAGE ENGINEERING. 2. SEDIMENT FILTER BARRIERS SHALL BE PLACED WITH ENDS TIGHTLY ABUTTING THE ADJACENT SEDIMENT BARRIERS TO CREATE A CONTINUOUS BARRIER.

1. WOODEN WEDGES AND/OR STAPLES AS PER MANUFACTURER'S PRODUCT INSTALLATION SPECIFICATIONS. 5. REINFORCED FILTER BASKETS SHALL BE USED FOR SEDIMENT CONTROL. SEE STANDARD DETAILS ER-B, ER-9.

3. INSPECTION OF SEDIMENT BARRIERS AND FILTER BASKETS SHALL
BE AT LEAST ONCE PER WEEK AND AFTER RAIN EVENTS IN EXCESS

PROMPTLY AS NEEDED.
7. REMOVE ACCUMULATED SEDIMENT WHEN SEDIMENT DEPTH AT THE FILTER BARRIER IS APPROXIMATELY EQUAL TO ONE-HALF OF BARRIER'S HEIGHT. B. SEDIMENT BARRIERS AND FILTER BASKETS SHALL BE REMOVED UPON

NOT TO SCALE

DATE 02-01-2017

REVISION

DATE BY

STORMWATER POLLUTION PREVENTION PLAN DOUBLE CIVIL ENGINEERING

PROJECT: SITE IMPROVEMENT PLANS

PHONE 847-573-9758 FAX 847-573-9388 SURVEYORS

SCALE 1" = 20'

APPROVED JRK

14044 W. PETRONELLLA DRIVE ; Suite #2. LIBERTYVILLE, ILLINOIS 60048

Contact: David Cieluch - OWNER (773) 306-6253

ENGINEER

THE CONTRACTOR SHALL INSPECT & MAINTAIN POSITIVE SITE DRAINAGE DURING CONSTRUCTION AND PREVENT ANY SOIL EROSION OR DOWNSTREAM SIGNATURE DATE 5. THE CONTRACTOR SHALL INSTALL A PERIMETER SILT FENCE AND FILTER FABRIC UNDER STORM DRAIN GRATES AS SHOWN ON THE "APPROVED PLAN" NAME OF FIRM STREET ADDRESS STATE ZIP CODE TELEPHONE NUMBER **EROSION CONTROL CERTIFICATE**

SOIL PROTECTION CHART

C - SPRING DATS 100 LBS / Ac

E - SOD (NURSERY GROWN

2 TON'S PER ACRE

WORK AREAS WITHIN PUBLIC R.O.W. MUST BE RESTORED

INSTALL SEDIMENT CONTROL

VEGITATIVE CHANNEL

COMBINATION DIVERSION

EMBANKMENT SEDIMENT BASIN

STABILIZED CONSTRUCTION ENTRANCE

BARRIER FILTER (INLET PROTECTION)

PRESERVE & PROTECT EXIST. VEGETATION

• INSTALL STORM WATER MGM'T MEASURES

DROP INLET PIPE SPILLWAY

4. GRADE SITE / STOCKPILE TOPSOIL

• TEMPORARY VEGETATIVE STABILIZATION

6. INSTALL ROAD & PARKING SUB-GRADE

. VEGETATIVE COVER ON ALL AREAS TO

SURFACE ROADS & PARKING PAVING

11. INSTALL PERMANENT LANDSCAPINO

12. PERFORM CONTINUING MAINTENANCE

CONTRACTOR CERTIFICATION STATEMENT:

LINED CHANNE

OF CONTROL MEASURES

MULCHING

BE EXPOSED AREAS

VEGETATIVE FILTER

SITE CONSTRUCTION WORK

TEMPORARY SEEDINGS

OF ALL EXPOSED AREAS

WITHIN 2 WEEKS AFTER COMPLITION OF JOB.

CONSTRUCTION SEQUENCE &

RESPONSIBLE CONTRACTOR

F - STRAW MULCH

AUG SEP OCT NOV DEC

* IRRIGATION NEEDED

AND SEPTEMBER

** IRRIGATION NEEDED

AFTER SODDING

FOR 2 - 3 WEEKS

DURING JUNE, JULY

STABILIZATION CHART JAN FEB MAR APR MAY JUN JUL

TEMPORARY SEEDINGS

30 LBS / Ac

MULCH PER ACRE

- KENTUCKY BLUE GRASS

90 LBS/Ac. MIXED INTH

PERENNIAL RYE GRASS

- KENTUCKY BLUE GRASS

PERENNIAL RYE GRASS

135 LBS/Ac. MIXED IWTH

45 LBS / Ac 2 TONS STRAW

MUL CH I NG

CONTROL

ADDED INSURANCE OF A SUCCESSFUL TEMPORARY

(N) OR PERMANENT SEEDING, CONTROLS UNMANTED
VEGETATION AND PRESERVES MOISTURE, PROVIDES
COVER WHERE VEGETATION CANNOT BE

TYPICALLY USED ABOVE SLOPES, USED WHERE AN EXCESS OF SOIL IS AVAILABLE.

PROVIDES ADDED STABILITY TO CHANNEL. USED WHEN VELOCITY OF FLOW IS NOT EXTREMELY

USED FOR RELATIVELY SMALL VERTICAL DROPS (SMALL FLOWS OF WATER.

PROTECTS DOWNSTREAM CHANNEL FROM HIGH VELOCITY OF FLOW DISCHARGING FROM STRUCTURES.

USED WHERE EMBANKMENT COULD CAUSE A HAZARD DOWNSTREAM IN CASE OF A FAILURE AND WHEN EXCESS EARTH FILL IS NOT AVAILABLE.

USED FOR SINGLE LOTS OR DRAINAGE AREAS LESS THAN 1/2 ACRE TO FILTER SEDIMENT F

PREVENT MUD FROM BEING PICKED UP AND CARRIED OFF SITE.

PREVENTS DUST FROM LEAVING CONSTRUCTION SITE.

USED WHERE TOPOGRAPHY LENDS ITSELF TO CONSTRUCTING A DAM AND EARTH FILL IS AVAILABLE.

AGGREGATE COVER

AND TRANSPORTED OFF SITE.

MEASURE CHARACTERISTICS

CONTROL MEASURE

DORMANT SEEDING

SODDING

GROUND COVER

MULCHING

RIDGE DIVERSION

DIVERSION

GUTTER

BENCHES

BARE CHANNEL

VEGETATIVE CHANNEL

UNDERDRAIN

SPILLWAY

PIPE SPILLWAY

WEIR SPILLWAY

WEIR SPILLWAY

LINED APRON

EMBANKMENT SED.

EXCAVATED SED. BASIN

BARRIER FILTER

VEGETATIVE FILTER

STABILIZED CONST.

DUST AND TRAFFIC

EROSION CONTROL NOTES:

4. THE CONTRACTOR SHALL CLEAN ALL STORM DRAINAGE STRUCTURE BEFORE A FINAL VILLAGE INSPECTION.

6. THE CONTRACTOR SHALL FILTER ANY PUMPED EXCAVATION GROUND WATER BEFORE IT FLOWS OFF SITE.

8. THE CONTRACTOR SHALL INSTALL A PERIMETER SILT FENCE BEFORE STARTING GRADING OR DEMO WORK

7. THE CONTRACTOR SHALL ROUTINELY INSPECT AND MAINTAIN THE SITE'S SOIL EROSION AND SILT CONTROLS.

9. ALL ACCESS TO AND FROM THE CONSTRUCTION SITE IS TO BE RESTRICTED TO THE CONSTRUCTION ENTRANCE.

CONTROL

, THE CONTRACTOR SHALL PERFORM ALL WORK PER -"PROCEEDURES & STANDARDS FOR SOIL EROSION AND SEDIMENTATION CONTROL IN ILLINOIS.

10.ALL TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL PRACTICES MUST BE MAINTAINED AND REPAIRED AS NEEDED TO ASSURE

11. CONTRACTOR TO PROVIDE DUST CONTROL VIA WATER TRUCK AS REQUIRED OR AS DIRECTED BY THE VILLAGE ENGINEERING.

THE CONTRACTOR SHALL PROTECT ALL EXISTING AND PROPOSED DITCHES. STORM SEWER STRUCTURES SILTATION BY INSTALING EXCELSIOR ROLL,

SEEDING

SEEDING

GROUP

VEGETATIV

COVER

VEGETATIVE

COVER

DIVERSIONS

ENCLOSED

→ SPILLWAYS

OUTLETS

GRADED

SLOPES

DRAINAGE

WAYS

LARGE

PROTECT

SURFACE

SURFACE WATER

RUNOFF

CONVEY

INTERCEPT

OUTLET

SEDIMENT

SEDIMENT

FILTER

FILTER FABRIC AND SILT FENCE BEFORE STARTING WORK.

EFFECTIVE PERFORMANCE OF THEIR INTENDED FUNCTION.

SILT TRANSPORT.

SEDIMENT

GROUND

WATER

AREAS

ICERTIFY UNDER THE PENALTY OF LAW THAT IUNDERSTAND THE TERMS OF THE GENERAL NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) THAT AUTHORIZES THE STORM WATER DISCHARGES ASSOCIATED WITH THE INDUSTRIAL ACTIVITY FROM THE CONSTRUCTION SITE IDENTIFIED AS PART OF THIS CERTIFICATION.

THIS CERTIFICATION IS PART OF THE STORM WATER POLLUTION PREVENTION PLAN FOR THE PROJECT DESCRIBED BELOW, IN

ACCORDANCE WITH NPDES PERMIT NO. ILR100000, ISSUED BY THE

ENVIRONMENTAL PROTECTION AGENCY ON OCTOBER 20, 1992.

"THIS EROSION CONTROL PLAN WAS PREPARED BY ME OR UNDER MY DIRECT, SUPERVISION, AND COMPLIES WITH THE URBAN SOIL EROSION CONTROL AND STANDARDS IN ILLINOIS MANUAL (LATEST EDITION) AND THE GENERALLY RECOGNIZED METHODS IN USE THE AREA"

DATED THIS _____ , 2017

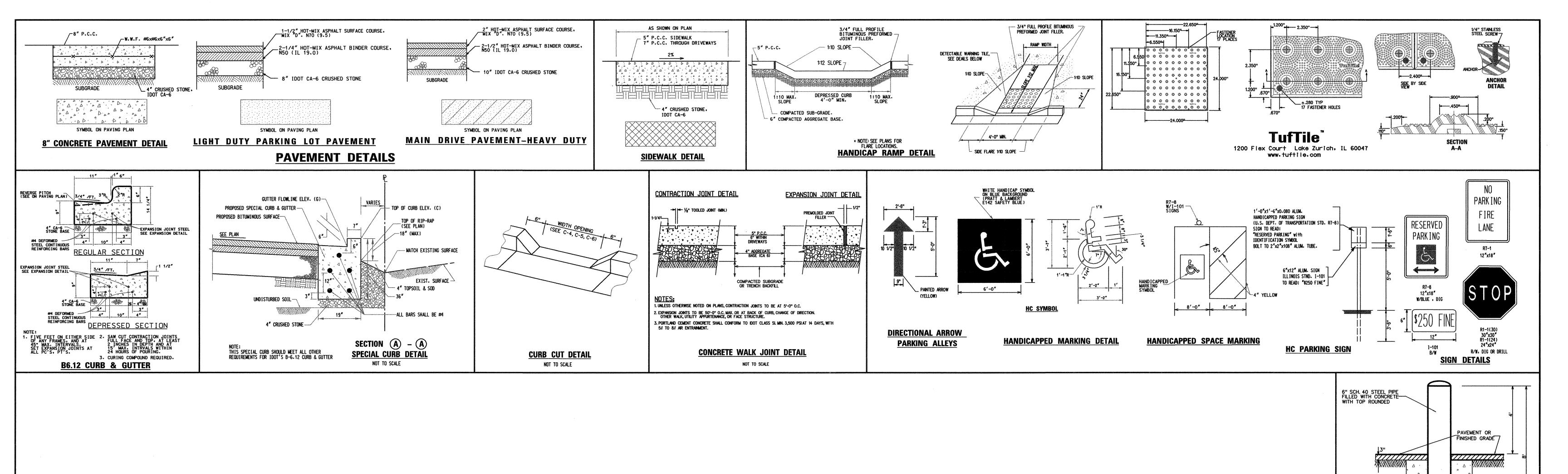
COMMERCIAL BUILDING FOR CN GROUP

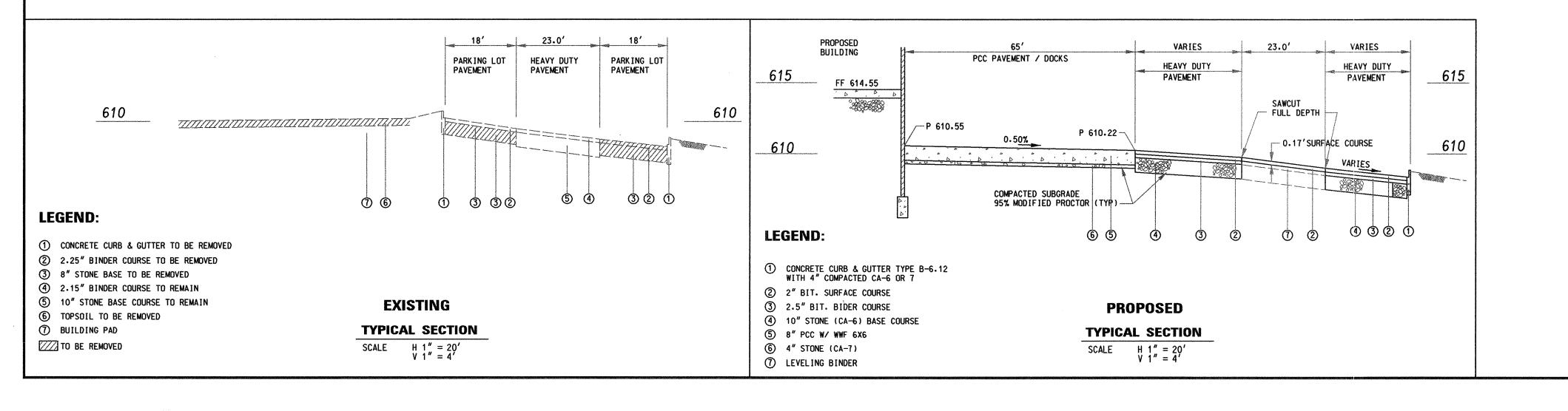
PROJECT NO. 53816 DRAWING NUMBER

FILE NO. 1-1-1

at: 525 ANDERSON DRIVE

ROMEOVILLE, ILLINOIS





PROJECT: SITE IMPROVEMENT PLANS
COMMERCIAL BUILDING FOR CN GROUP
at: 525 ANDERSON DRIVE
ROMEOVILLE, ILLINOIS
Contact: David Cieluch - OWNER (773) 306-6253

CONSTRUCTION DETAILS

- FILL POST WITH CONCRETE

DOUBLE CIVIL ENGINEERING

PHONE 847-573-9758 FAX 847-573-9388

14044 W. PETRONELLLA DRIVE; Suite #2. LIBERTYVILLE, ILLINOIS 60048

ENGINEERS PLANNERS SURVEYORS

DATE 02-01-2017 SCALE AS SHOWN PROJECT NO. 53816 DRAWING NUMBER

DATE 02-01-2017 SCALE AS SHOWN PROJECT NO. 53816 DRAWING NUMBER

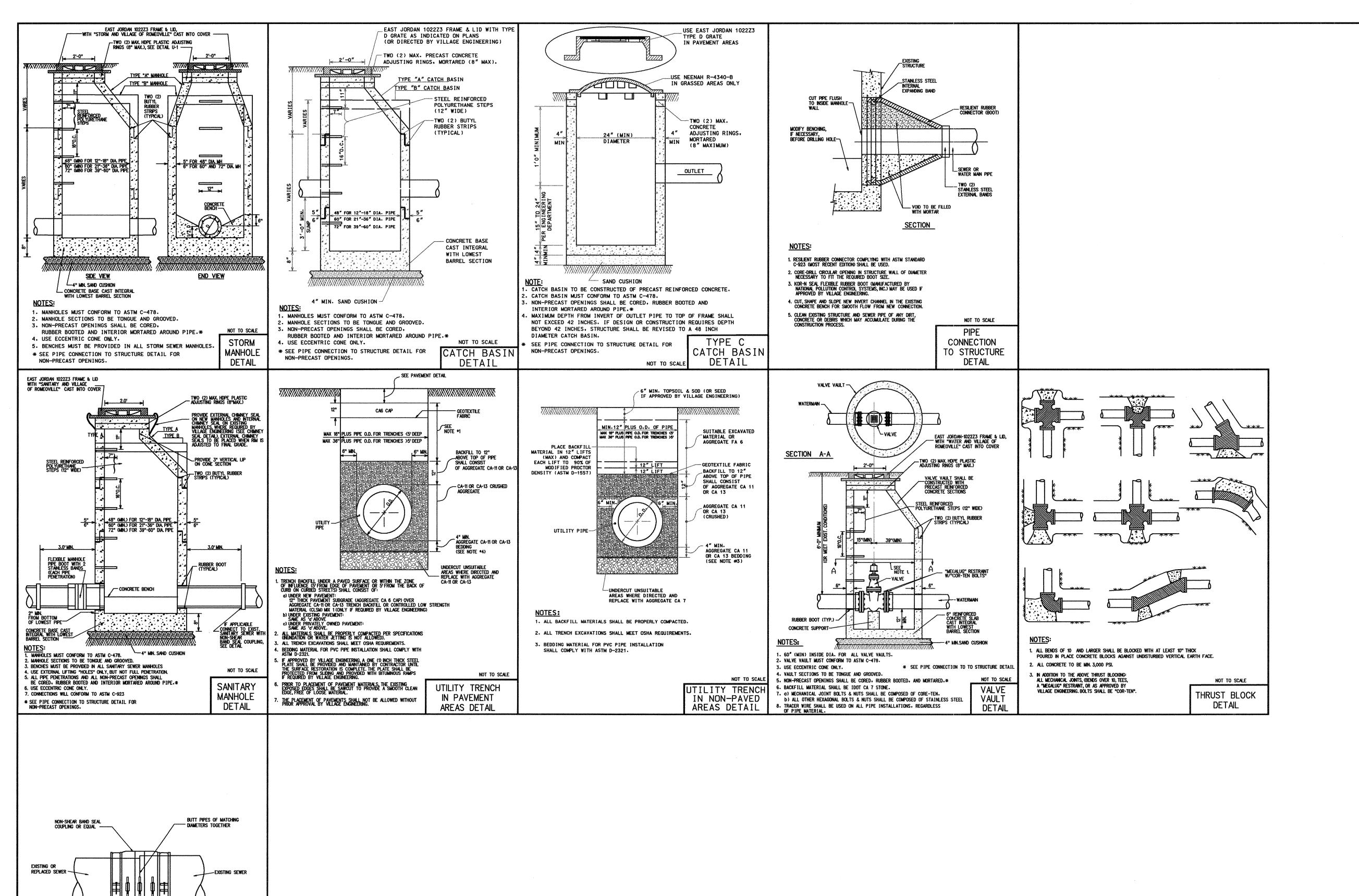
DATE BY REVISION DESIGNED MK APPROVED JRK FILE NO. 1-1-1

C-9

2500 PSIP.C.
CONCRETE MINIMUM——

NOTE: ALL PIPES SHALL BE PAINTED TRAFFIC YELLOW

PIPE BOLLARD DETAIL



NOT TO SCALE

COUPLING DETAIL

PROJECT: SITE IMPROVEMENT PLANS
COMMERCIAL BUILDING FOR CN GROUP
at: 525 ANDERSON DRIVE
ROMEOVILLE, ILLINOIS

CONSTRUCTION DETAILS

DOUBLE

DATE BY

REVISION

CIVIL ENGINEERING
PHONE 847-573-9758 FAX 847-573-9388

APPROVED JRK

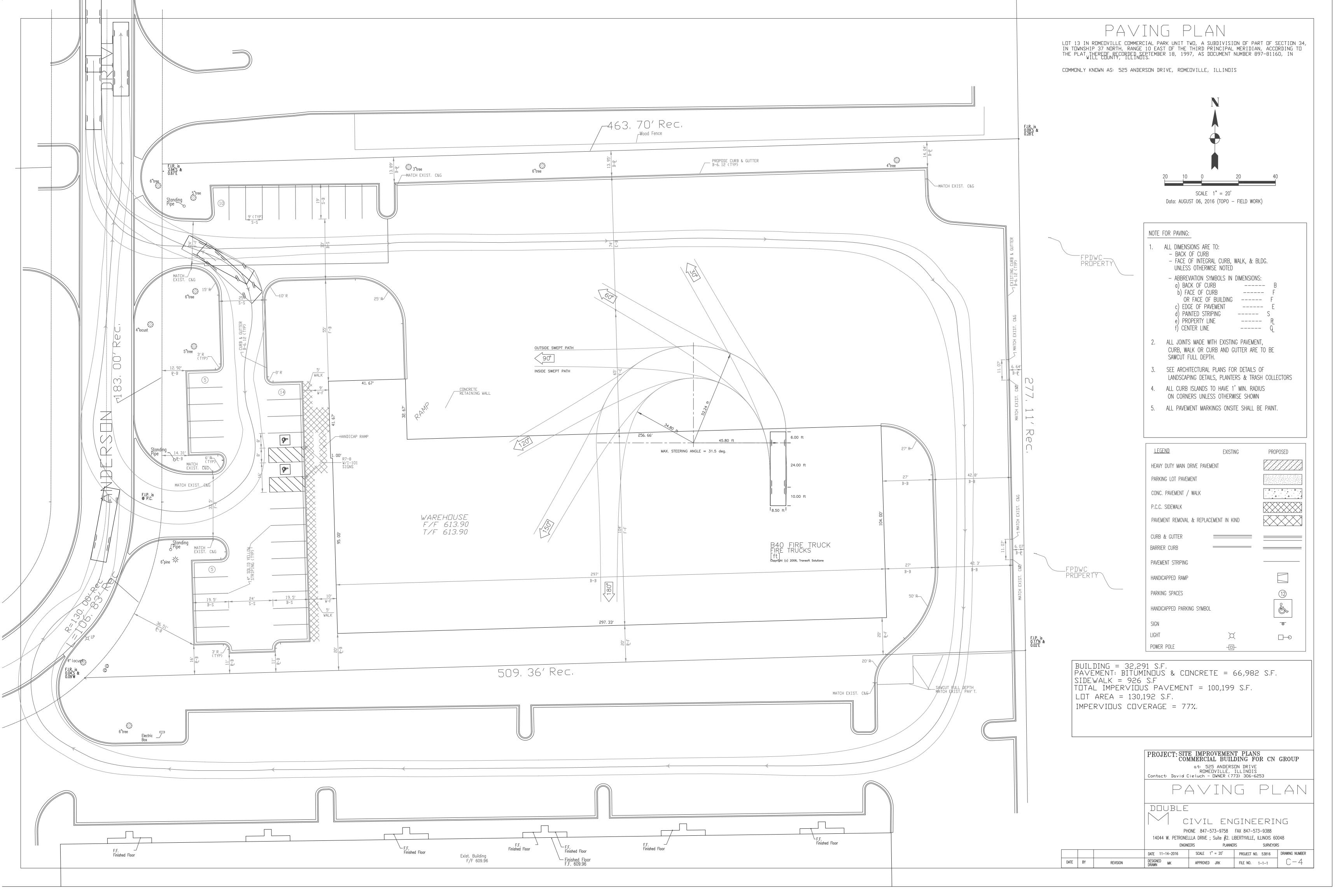
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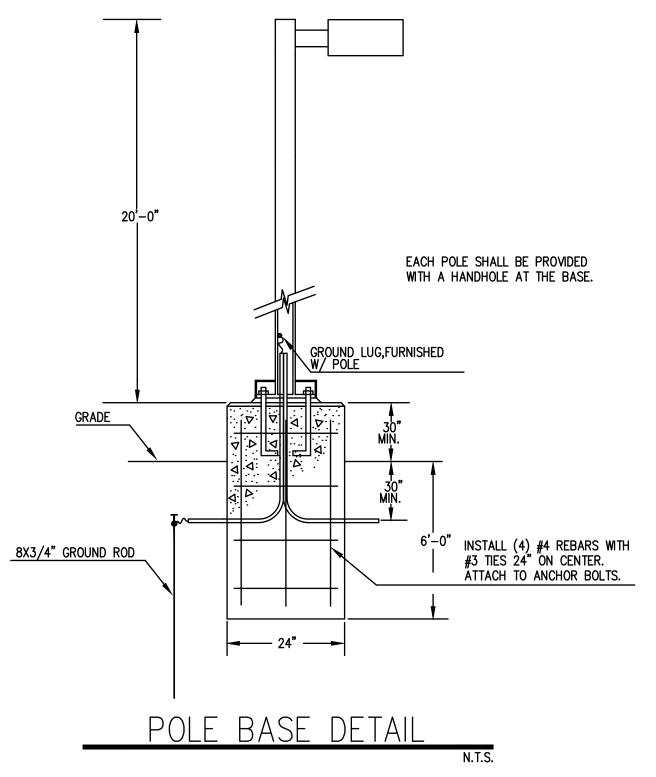
14044 W. PETRONELLLA DRIVE ; Suite #2. LIBERTYVILLE, ILLINOIS 60048

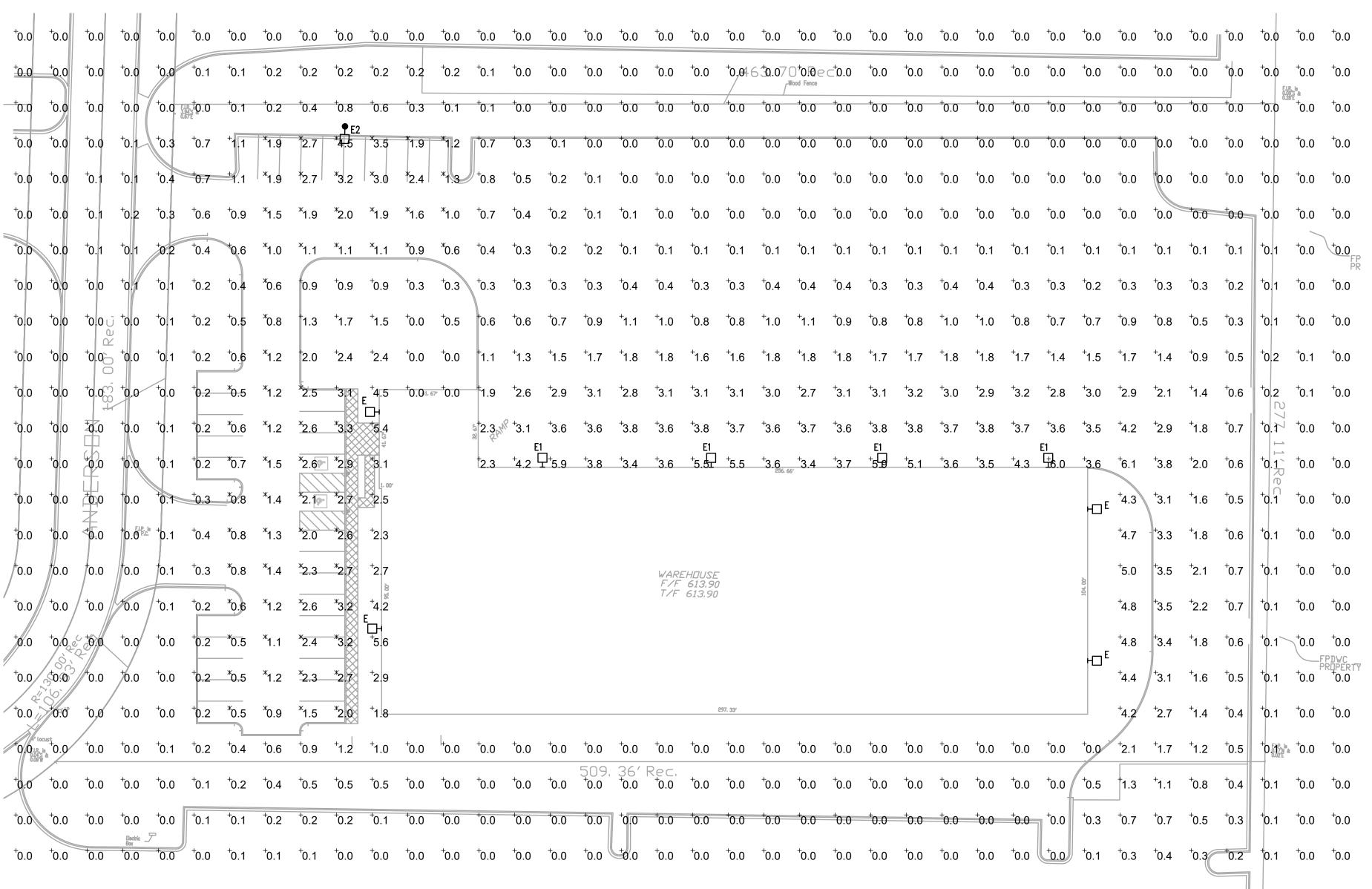
ENGINEERS PLANNERS SURVEYORS

DATE 02-01-2017 SCALE AS SHOWN PROJECT NO. 53816 DRAWING NUMBER

Contact: David Cieluch - OWNER (773) 306-6253









LU	LUMAIRE SCHEDULE							
TAG	MFG/CAT#	LAMP	COLOR	MTG HT	LUMENS	WATTS	REMARKS	
Е	LITHONIA #KAD LED 60C 1000 50K R3 MVOLT WBD04	LED	5000K	20'-0"	20799	216	TYPE 3 LED SHOWBOX	
E1	LITHONIA #KAD LED 60C 1000 50K R4 MVOLT WBD04	LED	5000K	20'-0"	20823	216	TYPE 4 LED SHOWBOX	
E2	LITHONIA #KAD LED 60C 1000 50K R3 MVOLT SPD04	LED	5000K	22'-6"	20799	216	TYPE 3 LED SHOWBOX ON 20' POLE	

PHOTOMETRIC DATA

PARKING (DENOTED BY *)

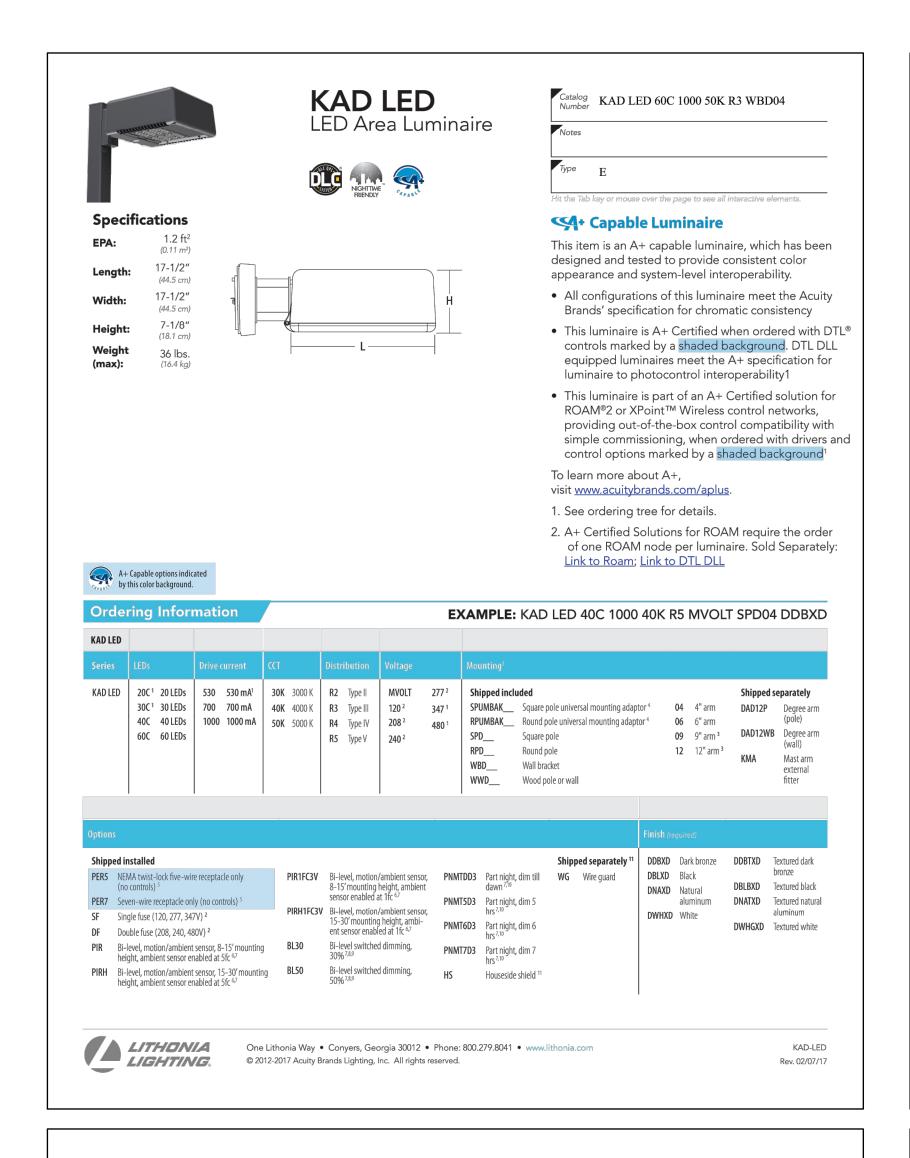
AVERAGE - 1.7 fc
MAXIMUM - 4.5 fc
MINIMUM - 0.5 fc
MAX/MIN - 9.0:1
AVG/MIN - 3.4:1



CN Group 525 Anderson Romeoville, Illlinois

REVISIONS	
2/8/17	ISSUED FOR PERMIT
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DRAWN BY	
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PHOTON	METRIC SITE PLAN

PHO₋1



Accessories

LL127F 1.5 JU Photocell - SSL twist-lock (120-277V) 12

DLL347F 1.5 CUL JU Photocell - SSL twist-lock (347V) 12

KADLEDHS 20C U Houseside shield for 20 LED unit

KADLEDHS 40C U Houseside shield for 40 LED unit

KADLEDHS 60C U Houseside shield for 60 LED unit

PUMBAK DDBXD U* Square and round pole universal mount-

For more control options, visit DTL and ROAM online.

*Round pole top must be 3.25" O.D. minimum.

ing bracket adaptor (specify finish)

KADLEDHS 30C U Houseside shield for 30 LED unit

DSHORT SBK U Shorting cap 12

DLL480F 1.5 CUL JU Photocell - SSL twist-lock (480V) 12

20C or 30C LED are not available with 530 Drive Current and 347V

on a 90° drilling pattern.

Tenon Mounting Slipfitter**

2-3/8" T20-190 T20-280 T20-290 T20-320 † T20-390 T20-490 2-7/8" T25-190 T25-280 T25-290 T25-320 T25-390 T25-490 T35-190 T35-280 T35-290 T35-320 T35-390 T35-490

** For round pole mounting (RPDXX) only. † Requires 9" or 12" arm.

MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).

Single fuse (SF) requires 120, 277 or 347 voltage option. Double fuse (DF) requires 208, 240 or 480 voltage option.
9" or 12" arm is required when two or more luminaires are oriented

Available as a separate combination accessory: PUMBAK (finish) U.

Mounting must be restricted to ±45° from horizontal aim per ANSI C136,10-2010. Not available with motion sensor.

PIR and PIR1FC3V specify the SensorSwitch SBGR-10-ODP control; PIRH and PIRH1FC3V specify the SensorSwitch SBGR-6-ODP control;

see Outdoor Control Technical Guide for details. Dimming driver standard. Not available with PER5 or PER7. Separate on/off require.

luminaire power. Supply circuit and control circuit are required to be in the same phase.

Dimming driver standard. MVOLT only. Not available with 347V, 480V, PER5, PER7 or PNMT options.

Dimming driver standard. MVOLT only. Not available with 347V, 480V, PER5, PER7, BL30 or BL50.

Rev. 02/07/17

1 Also available as a separate accessory; see Accessories information.

12 Requires luminaire to be specified with PER option. Ordered and shipped as a separate line item from Acuity Brands Controls.

Maximum ambient temperature with 347V or 480V is 30°C.

Requires an additional switched circuit with same phase as main

Stock configurations are offered for shorter lead times:

KAD LED 30C 1000 40K R5 MVOLT PUMBAK09 DDBXD*

KADL 30C 40K R5

KAD LED 40C 1000 40K R5 MVOLT PUMBAK09 DDBXD* KADL 40C 40K R5

KAD LED 40C 1000 40K R3 MVOLT PUMBAK09 PIRH DDBXD* KADL 40C 40K R3 PIRH

KAD LED 40C 1000 40K R5 MVOLT PUMBAK09 PIRH DDBXD* KADL 40C 40K R5 PIRH

KADL 30C 40K R3

KADL 40C 40K R3

KAD LED 30C 1000 40K R3 MVOLT PUMBAK09 PIRH DDBXD* KADL 30C 40K R3 PIRH Mast arm adapter (specify finish)

KAD LED 30C 1000 40K R5 MVOLT PUMBAK09 PIRH DDBXD * KADL 30C 40K R5 PIRH KADWG U Wire guard accessory

Top of Pole

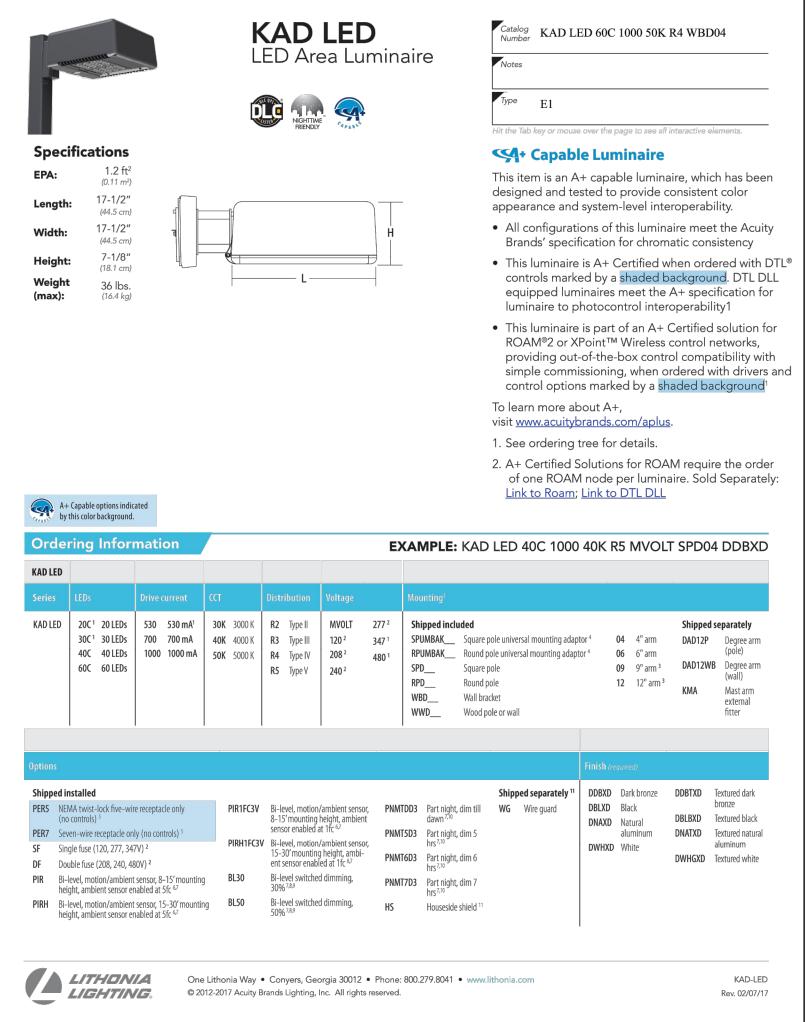
One Lithonia Way • Conyers, Georgia 30012 • Phone: 800.279.8041 • www.lithonia.com

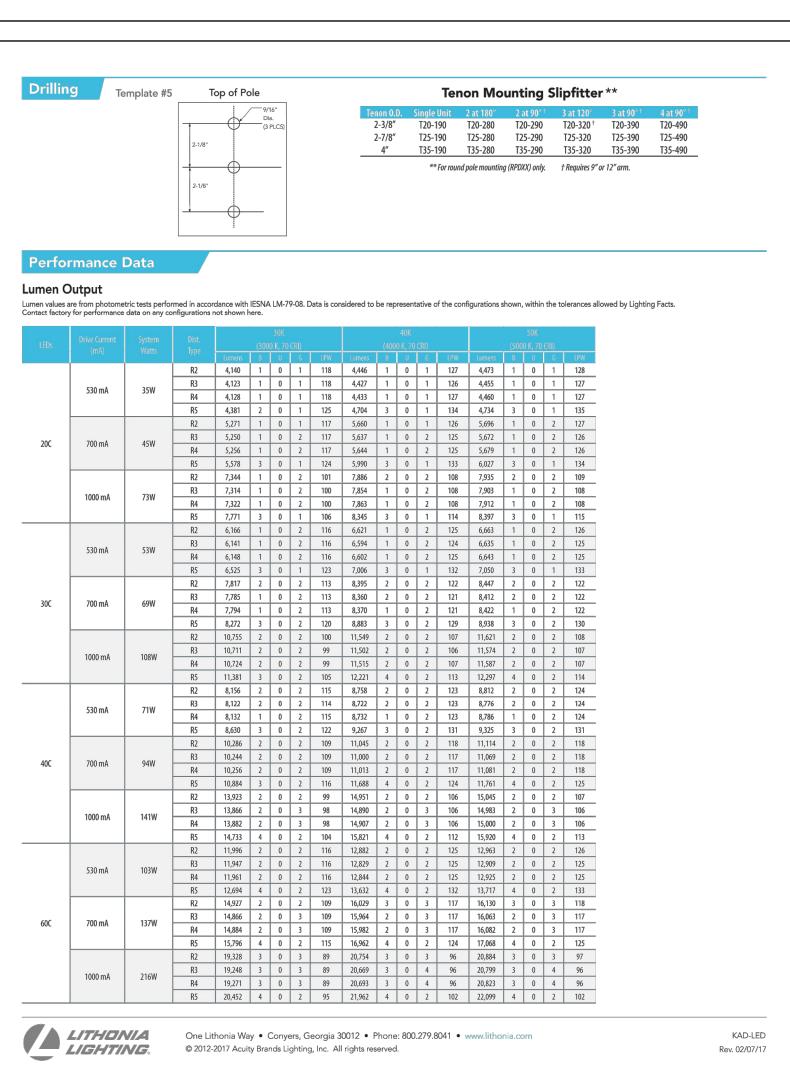
LIGHTING © 2012-2017 Acuity Brands Lighting, Inc. All rights reserved.

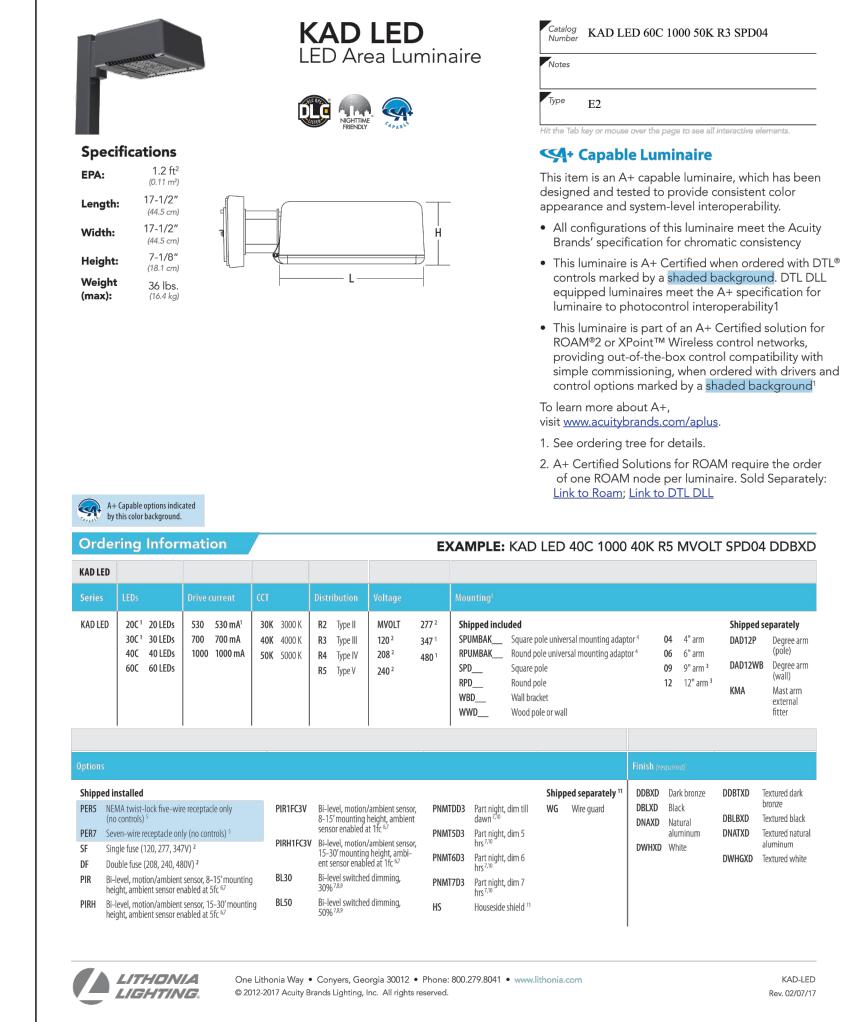
KAD LED 30C 1000 40K R3 MVOLT PUMBAK09 DDBXD*

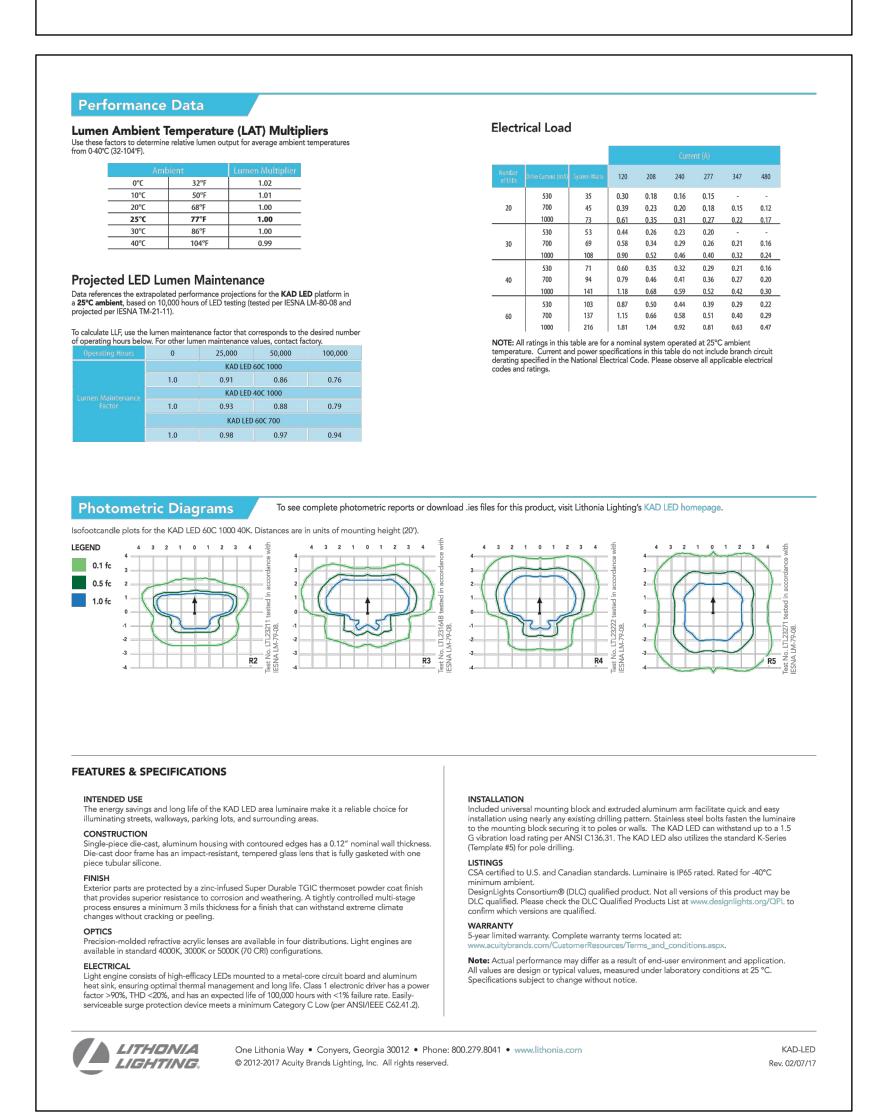
KAD LED 40C 1000 40K R3 MVOLT PUMBAK09 DDBXD*

Drilling Template #5











nde 2 dno on Illinois 525 Andersc Romeoville,

REVISIONS 2/8/17	ISSUED FOR PERMIT				
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