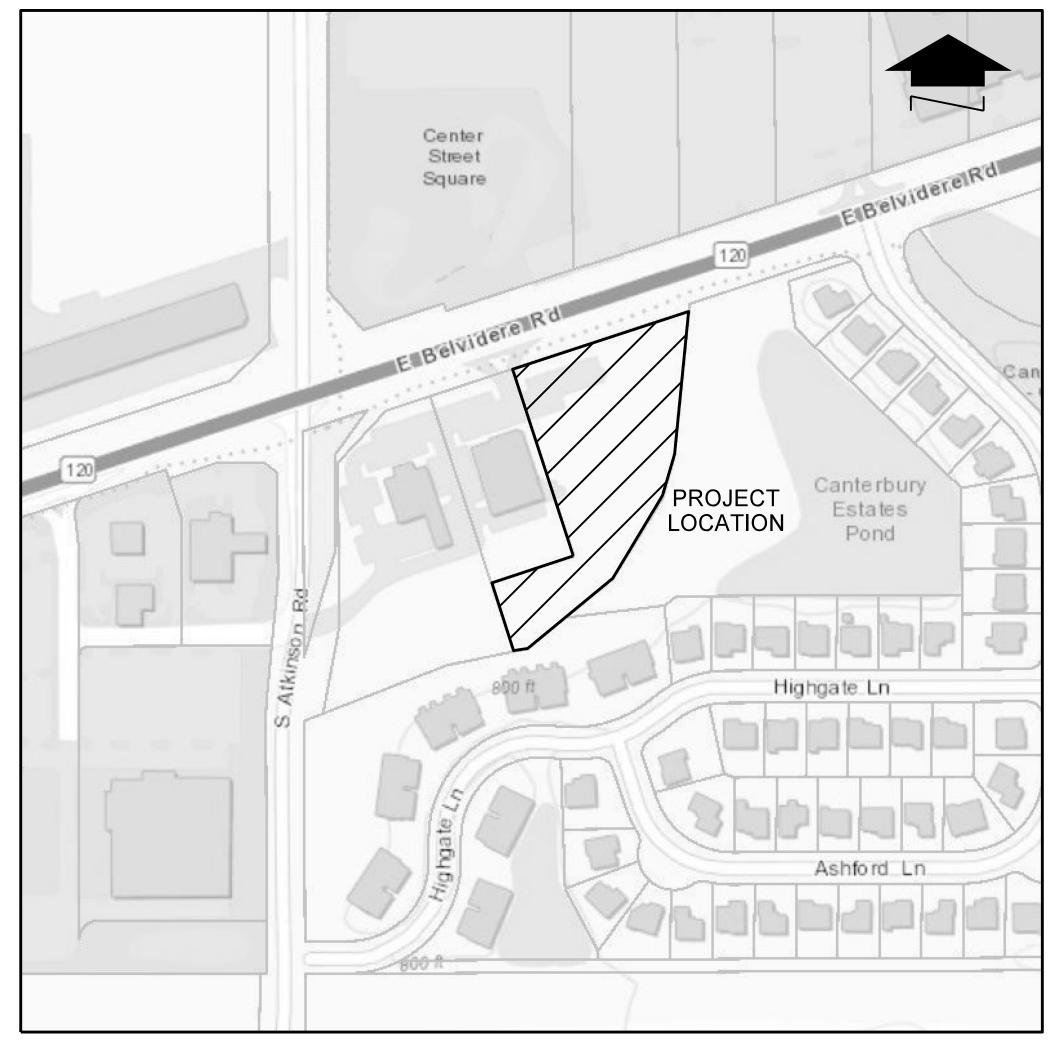
SMITHSON ASSOCIATES, INC. CONSULTING ENGINEERS

LIMITATION OF WARRANTY OF ENGINEER'S INSTRUMENTS OF SERVICE

The Engineer and his consultants do not warrant or guarantee the accuracy and completeness of the deliverables herein beyond a reasonable diligence. 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 Ingineer of such conditions shall absolve the Engineer from responsibility for the consequences of failure. Actions taken without the knowledge and consent to 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 taking such action.

ENGINEERING IMPROVEMENT PLANS FOR DOLLAR TREE LOT1, ADVANCE AUTO PARTS SUBDIVISION GRAYSLAKE, ILLINOIS



LOCATION MAP

PLANS PREPARED FOR CHARLES CUI

PLANS PREPARED

BY

SMITHSON ASSOCIATES, INC.

HOPKINTON, MASSACHUSETS

PARCEL SIZE

66,678 SQUARE FEET 1.53 ACRES

BENCHMARK DATA

SOURCE BENCHMARK: (NGS DM3889) THE STATION IS 147.6 FEET NORTH OF THE ENTRANCE TO THE LAKE COUNTY DOT BUILDING, 9.8 FT EAST OF THE BACK OF CURB ON THE EAST SIDE OF LAKE COUNTY GOVERNMENT CENTER ROAD AND 6.6 FT WEST OF THE EDGE OF THE WINCHESTER HOUSE PARKING LOT. ELEVATION = 714.07

SITE BENCHMARK: SQUARE CUT ON THE TOP OF CURB LOCATED ON THE SOUTH CORNER OF ENTRANCE ISLAND LOCATED AT THE NORTHWEST CORNER OF THE SUBJECT PROPERTY. ELEVATION = 797.95

-	
C1.	COVEF
C2.	SPECI
C3.	EXISTI
C4.	SITE A
C5.	GRADI
C6.	SOIL E
C7.	CONST
C8.	CONST

LOCATING / INFORMATION FOR EXCAVATORS Call $\frac{48}{(Excluding Sot., Sun. & Holidays)}$ 1-800-892-0123

REVISIONS

Ъ

Ш

SH

OVER

()

UBDIVISION NOIS LOPER

ADV GRA HARL

-

0

40 20 20 20

ν Ξ Ξ Ξ Ξ Ξ Ξ Ξ Ξ Ξ Ξ Ξ Ξ Ξ Ξ Ξ

lnc.

Issociates,

Smithson

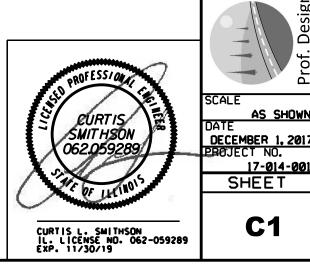
PROPERTY OWNER: CHARLES CUI 4901 W. IRVING PARK ROAD, 2nd FLOOR CHICAGO, IL 60641

CIVIL ENGINEER: CURTIS SMITHSON, P.E. SMITHSON ASSOCIATES, INC. 2 AIKENS ROAD HOPKINTON, MA 01748

ARCHITECT: PMPC ARCHITECTS 527 S. WELLS STREET, SUITE 402 CHICAGO, IL 60607

INDEX OF SHEETS

R SHEET FICATIONS ING CONDITIONS AND DEMOLITION PLAN AND UTILITY PLAN ING, DRAINAGE AND SOIL EROSION/SEDIMENT CONTROL PLAN ROSION AND SEDIMENT CONTROL NOTES AND DETAILS TRUCTION DETAILS TRUCTION DETAILS



GENERAL NOTES

- 1. THE STANDARD SPECIFICATIONS LISTED ON THE COVER SHEET, THESE CONSTRUCTION PLANS, THE SPECIAL PROVISIONS, GENERAL CONDITIONS AND SUBSEQUENT DETAILS ARE ALL TO BE CONSIDERED AS PART OF THE CONTRACT DOCUMENTS. INCIDENTAL ITEMS OF ACCESSORIES NECESSARY TO COMPLETE THIS WORK MAY NOT B SPECIFICALLY NOTED BUT ARE TO BE CONSIDERED A PART OF THE CONTRACT.
- 2.ALL WORK SHALL CONFORM TO THE FOLLOWING STANDARD SPECIFICATIONS: A.VILLAGE OF GRAYSLAKE ENGINEERING DESIGN STANDARDS (SHALL TAKE PRECEDENCE OVER OTHER STANDARDS)
- B. "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION IN ILLINDIS" AS PREPARED BY THE ILLINDIS DEPARTMENT OF TRANSPORTATION LATEST EDITION.
- C. "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINDIS" LATEST EDITION, SHALL GOVERN ALL WATER AND SEWER MAIN CONSTRUCTION.
- D.THE "STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS" AS PUBLISHED BY THE ILL. DEPARTMENT OF TRANSPORTATION, LATEST EDITION. E.LAKE COUNTY STORMWATER MANAGEMENT COMMISSION STANDARD SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL
- 3.NO CONSTRUCTION PLANS SHALL BE USED FOR CONSTRUCTION UNLESS SPECIFICALLY MARKED "FOR CONSTRUCTION". PRIOR TO COMMENCEMENT OF CONSTRUCTION, THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AFFECTING THEIR WORK WITH THE ACTUAL CONDITIONS AT THE JOB SITE. IF THERE ARE ANY DISCREPANCIES FROM WHAT IS SHOWN ON THE CONSTRUCTION PLANS HE MUST IMMEDIATELY REPORT SAME TO THE ENGINEER BEFORE DOING ANY WORK, OTHERWISE THE CONTRACTOR ASSUMES FULL RESPONSIBILITY. IN THE EVENT OF DISAGREEMENT BETWEEN THE CONSTRUCTION PLANS. STANDARD SPECIFICATIONS AND/OR SPECIA DETAIL. THE CONTRACTOR SHALL SECURE WRITTEN INSTRUCTIONS FROM THE ENGINEER PRIOR TO PROCEEDING WITH ANY PART OF THE WORK AFFECTED BY OMISSIONS OR DISCREPANCIES. FAILING TO SECURE SUCH INSTRUCTION, THE CONTRACTOR WILL BE CONSIDERED TO HAVE PROCEEDED AT HIS OWN RISK AND EXPENSE. IN THE EVENT OF ANY DOUBT OR OUESTION ARISING WITH RESPECT TO THE TRUE MEANING O E CONSTRUCTION PLANS OR SPECIFICATIONS, THE DECISION OF ENGINEER SHALL BE FINAL AND CONCLUSIVE.
- 4.ALL WORK PERFORMED UNDER THIS CONTRACT SHALL BE GUARANTEED AGAINST ALL DEFECTS IN MATERIAL AND WORKMANSHIP OF WHATEVER NATURE BY THE CONTRACTOR AND HIS SURETY FOR A PERIOD OF 12 MONTHS FROM THE DATE OF FINAL ACCEPTANCE OF THE WORK BY VILLAGE OF GRAYSLAKE, OTHER APPLICABLE AGENCIES, AND THE OWNER.
- 5.BEFORE ACCEPTANCE BY THE OWNER AND FINAL PAYMENT, ALL WORK SHALL BE INSPECTED AND APPROVED BY THE OWNER OR HIS REPRESENTATIVE. FINAL PAYMENT WILL BE MADE AFTER ALL OF THE CONTRACTOR'S WORK HAS BEEN APPROVED AND ACCEPTED, AND IN ACCORDANCE WITH THE CONTRACT DOCUMENTS
- 6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS FOR CONSTRUCTION ALONG OR ACROSS EXISTING STREETS OR HIGHWAYS. HE SHALL MAKE ARRANGEMENTS FOR PROPER BRACING, SHORING AND OTHER REQUIRED PROTECTION OF AL ROADWAYS 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.
- 7.ALL CONSTRUCTION LAYOUT AND STAKING SHALL BE PERFORMED BY THE CONTRACTOR. 8. EASEMENTS FOR THE EXISTING UTILITIES, BOTH PUBLIC AND
- PRIVATE, AND UTILITIES WITHIN PUBLIC RIGHT-OF-WAYS ARE SHOWN ON THE PLANS ACCORDING TO AVAILABLE RECORDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION IN THE FIELD OF THESE UTILITY LINES AND THEIR PROTECTION FROM DAMAGE DUE TO CONSTRUCTION OPERATIONS. IF EXISTING UTILITY LINES OF ANY NATURE ARE ENCOUNTERED WHICH CONFLICT IN LOCATION WITH NEW CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE
- 9. WHENEVER THE PERFORMANCE OF WORK IS INDICATED ON THE PLANS. AND NO ITEM IS INCLUDED IN THE CONTRACT FOR PAYMENT. THE WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- 10. THE CONTRACTOR SHALL FIELD VERIFY LOCATIONS, ELEVATIONS, MATERIALS AND SIZE OF EXISTING UTLITIES AND STRUCTURES. NO ADDITIONAL COMPENSATION IS ALLOWED FOR MINOR DEVIATIONS OF ACTUAL CONDITIONS FROM THOSE SHOWN. IF THERE ARE ANY DISCREPANCIES, THE CONTRACTOR IS TO NOTIFY THE ENGINEER AT ONCE. NO WORK SHALL BE DONE UNTIL THE DISCREPANCY IS RESOLVED.
- 11. WHENEVER, DURING CONSTRUCTION OPERATIONS, ANY LOOSE MATERIALS IS DEPOSITED IN THE FLOW LINE OF GUTTERS, DRAINAGE STRUCTURES, DITCHES, ETC., SUCH THAT THE NATURAL FLOW LINE OF WATER IS OBSTRUCTED, THIS LOOSE MATERIAL SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY BY THE RESPONSIBLE PARTY. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS ALL DRAINAGE STRUCTURES AND FLOW LINES SHALL BE FREE FROM DIRT AND DEBRIS. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
- 12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ADEQUATE SIGNS. TRAFFIC CONTROL DEVICES. AND WARNING DEVICES TO INFORM AND PROTECT THE PUBLIC DURING ALL PHASES OF CONSTRUCTION, BARRICADES AND WARNING SIGNS SHAU PROVIDED IN ACCORDANCE WITH ARTICLE 107.14 OF THE I.D.O.T. STANDARD SPECIFICATIONS. ADEQUATE LIGHTING SHALL BE MAINTAINED FROM DUSK TO DAWN AT ALL LOCATIONS WHERE CONSTRUCTION OPERATIONS WARRANT, OR AS DESIGNATED BY THE ENGINEER OR VILLAGE. ALL TRAFFIC CONTROL WORK SHALL BE DONE IN ACCORDANCE WITH THE I.D.O.T. "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" AND "I.D.O.T. STANDARD DETAILS.
- 13. ALL PERMANENT TYPE PAVEMENTS OR OTHER PERMANENT IMPROVEMENTS WHICH ABUT THE PROPOSED IMPROVEMENT AND MUST BE REMOVED. SHALL BE SAWED AS DIRECTED PRIOR TO REMOVAL. ALL ITEMS SO REMOVED SHALL BE REPLACED WITH SIMILAR CONSTRUCTION MATERIALS TO THEIR ORIGINAL CONDITION OR BETTER. PAYMENT FOR SAWING SHALL BE INCLUDED IN THE COST FOR REMOVAL OF EACH ITEM AND REPLACEMENT WILL BE PAID UNDER THE RESPECTIVE ITEMS IN THE CONTRACT. UNLESS OTHERWISE INDICATED.
- 14. THE CONTRACTOR SHALL BE REQUIRED TO REPLACE. IN KIND. ALL SURFACE FIXTURES DAMAGED OR REMOVED, INCLUDING, BUT NOT LIMITED TO, CURB AND GUTTER, STREET PAVING, SIDEWALKS, DRIVES, LAWNS, TREES, PROPERTY PINS AND/OR MONUMENTS (COST INCEDENTAL).
- 15.STREETS ARE TO BE KEPT CLEANED OF DIRT AND DEBRIS AT THE END OF EACH SAYS OPERATIONS IN ACCORDANCE WITH ARTICLE 107.15 OF THE IDOT STANDARD SPECIFICATIONS (COST INCEDENTAL).
- 16.WHERE OVERHANGING BRANCHES INTERFERE WITH OPERATIONS OF CONSTRUCTION, SAID BRANCHES SHALL BE TRIMMED AND SEALED IN ACCORDANCE WITH SECTION 201 OF THE I.D.O.T. STANDARD SPECIFICATIONS AND THE COST OF SAME SHALL BE INCIDENTAL TO HE CONTRACT. TREES SHALL BE REMOVED ONLY AFTER RECEIVING APPROVAL OF THE OWNER. THE OWNER SHALL DESIGNATE THOSE TREES WHICH ARE TO BE REMOVED. THE CONTRACTOR SHALL ALTER THE ALIGNMENT OF SEWERS, WATERMAINS, PATHWAYS, SIDEWALKS AND DRIVEWAYS AD DIRECTED TO PRESERVE TREES. A CONTRACTOR REMOVING TREES WITHOUT OWNER'S APPROVAL WILL BE RESPONSIBLE FOR REPLACEMENT OF SAID TREE(S) AS DIRECTED BY OWNER AT CONTRACTOR'S EXPENSE. IF TREES OR SHRUBS MUST BE REMOVED. THEY WILL BE PAID FOR IN ACCORDANCE WITH SPECIFICATIONS.
- 17.ALL EXISTING TRAFFIC SIGNS, STREET SIGNS, ETC., WHICH INTERFERE WITH CONSTRUCTION OPERATIONS AND ARE NOT NOTED FOR REMOVAL OR DISPOSAL SHALL BE REMOVED AND RESET BY TH CONTRACTOR AT LOCATIONS AS DESIGNATED BY THE ENGINEER. THIS SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED. DAMAGE TO THESE ITEMS SHALL BE REPAIRED BY THE CONTRACTOR AT HIS OWN EXPENSE ALL SIGNS NOT REQUIRED TO BE RESET SHALL BE DELIVERED TO THE VILLAGE AS APPROPRIATE. IN ADDITION, ALL MAIL BOXES THAT INTERFERE WITH CONSTRUCTION SHALL BE SIMILARLY RELOCATED AT NO ADDITIONAL COST IN ACCORDANCE WITH ARTICLES 107.19 AND 107.20 OF THE I.D.O.T. STANDARD SPECIFICATIONS
- 18.ALL FIELD TITLE ENCOUNTERED DURING CONSTRUCTION OPERATIONS SHALL BE CONNECTED TO THE PROPOSED STORM SEWER OR EXTENDED TO OUTLET INTO A PROPOSED DRAINGEWAY. IF THIS CANNOT BE ACCOMPLISHED, THEN IT SHALL BE REPAIRED WITH NEW PIPE OF SIMILAR SIZE AND MATERIAL TO THE ORIGINAL LINE AND PUT IN ACCEPTABLE OPERATION CONDITION. A RECORD OF THE RELOCATION OF ALL FIELD TILE FOR ON-SITE 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.
- 19.DURING CONSTRUCTION OPERATIONS THE CONTRACTOR SHALL INSURE POSITIVE SITE DRAINAGE AT THE CONCLUSION OF EACH DAY. SITE DRAINAGE MAY BE ACHIEVED BY DITCHING, PUMPING OR ANY OTHER ACCEPTABLE METHOD. THE CONTRACTOR'S FAILURE TO PROVIDE THE ABOVE WILL PRECLUDE ANY POSSIBLE ADDED COMPENSATION REQUESTED DUE TO DELAYS OR UNSUITABLE MATERIALS CREATED AS A RESULT
- 20.PUMPING GROUNDWATER AND/OR STORMWATER FROM OPEN TRENCHES OF DEPRESSIONAL AREAS IS CONSIDERED INCIDENTAL TO THE COST OF CONSTRUCTION. PUMPING SHALL BE IN ACCORDANCE WITH IEPA, LAKE COUNTY SMC AND VILLAGE REQUIREMENTS FOR DISCHARGE.
- 21. IT SHALL BE THE RESPONSIBILITY OF EACH RESPECTIVE CONTRACTOR TO REMOVE FROM THE SITE ANY AND ALL MATERIALS AND DEBRIS WHICH RESULT FROM HIS CONSTRUCTION OPERATIONS AT NO ADDITIONAL EXPENSE TO THE OWNER.
- 22. THE ENGINEER AND OWNER ARE NOT RESPONSIBLE FOR THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, TIME OF PERFORMANCE, PROGRAMS OR FOR ANY SAFETY PRECAUTIONS USED BY THE CONTRACTOR. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR EXECUTION OF HIS WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND SPECIFICATIONS. THE CONTRACTOR IS TO PROVIDE ALL LABOR, MATERIAL, EQUIPMENT, ETC. NECESSARY TO PERFORM ALL THE WORK REQUIRED FOR CONSTRUCTION FO THE PROPOSED IMPROVMENTS AS INDICATED IN THE CONSTRUCTION DOCUMENTS.

GENERAL NOTES (CONT.)

- 23. SPECIAL ATTENTION IS DRAWN TO THE FACT THAT ARTICLE 105.06 OF THE STANDARD SPECIFICATIONS REQUIRES THE CONTRACTOR TO HAVE COMPETENT SUPERINTENDENT ON THE PROJECT SITE AT ALL TIMES IRRESPECTIVE OF THE AMOUNT OF WORK SUBLET. THE SUPERINTENDENT SHALL BE CAPABLE OF READING AND UNDERSTANDING HE PLANS AND SPECIFICATIONS, SHALL HAVE FULL AUTHORITY TO EXECUTE ORDERS TO EXPEDITE THE PROJECT. AND SHALL BE RESPONSIBLE FOR SCHEDULING AND HAVE CONTROL OF ALL WORK AS THE AGENT OF THE CONTRACTOR. FAILURE TO COMPLY WITH THIS PROVISION WILL RESULT IN A SUSPENSION OF WORK AS PROVIDED IN ARTICLE 108.07.
- 24.ELECTRIC, TELEPHONE, NATURAL GAS, AND OTHER UTILITY COMPANIES HAVE UNDERGROUND AND/OR OVERHEAD SERVICE FACILITIES IN THE VICINITY OF THE PROPOSED WORK. 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 FACILITIES. THE CONTRACTOR SHALL CALL J.U.L.I.E. AT 800/892 0123 FOR UTILITY LOCATIONS.
- 25.NOT ALL GAS, POWER OR TELEPHONE LINES, WHETHER ABOVE OR BELOW GROUND, HAVE BEEN SHOWN ON THE PLANS. THE LOCATION OF EXISTING UNDERGROUND UTILITIES, SUCH AS WATERMAINS, SEWERS, FIELD TILES, ETC. AS SHOWN ON THE PLANS, HAVE BEEN DETERMINED FROM THE BEST AVAILABLE INFORMATION AND ARE GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. THE CONTRACTOR MUST ASSUME RESPONSIBILITY FOR ALL UTILITIES, WHETHER SHOWN OR NOT, AND MUST REALIZE THAT THE ACTUAL LOCATIONS OF THE UTILITES SHOWN MAY BE DIFFERENT THAN INDICATED. 26. THE CONTRACTOR SHALL COMPLY WITH ALL STATE AND FEDERAL SAFETY
- REGULATIONS AS OUTLINED IN THE LATEST REVISIONS OF THE FEDERAL CONSTRUCTION SAFETY STANDARDS (SERIES 1926) AND WITH APPLICABLE PROVISIONS AND REGULATIONS OF THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS OF THE WILLIAMS STELGER OCCUPATIONAL HEALTH STATE SAFETY ACT OF 1970 (REVISED). THE CONTRACTOR, ENGINEER AND OWNER SHALL EACH BE RESPONSIBLE FOR HIS OWN RESPECTIVE AGENTS AND EMPLOYEES.
- 27. THE CONTRACTOR SHALL INDEMNIFY THE ENGINEER, THEIR AGENTS, ETC. THE OWNER AND IT'S AGENTS, FROM ALL LIABILITY INVOLVED WITH THE CONSTRUCTION, INSTALLATION AND TESTING OF THE WORK ON THIS PROJECT AND NAME THEM AS CO-INSURED.
- 28. THE CONTRACTOR SHALL KEEP A SET OF "APPROVED" CONSTRUCTION PLANS ON THE JOB SITE, AND SHALL MAINTAIN (AS INDICATED HEREIN AND ELSEWHERE WITHIN THESE CONSTRUCTION NOTES. SPECIFICATIONS AND PLANS) A LEGIBLE RECORD ON SALD PLANS OF ANY FIELD THE ENCOUNTERED. ANY MODIFICATIONS/ALTERATIONS TO ALIGNMENT AND/OR TO PLANS AND SPECIFICATIONS OF PROPOSED IMPROVEMENTS, ETC., UPON COMPLETION OF THE CONTRACTORS' WORK. SAID PLANS AND INFORMATION SHALL BE PROVIDED TO ENGINEER. FINAL CONTRACT PAYMENT SHALL NOT COME DUE UNTIL THIS INFORMATION IS RECEIVED BY THE ENGINEER.
- 29. THE CONTRACTOR SHALL NOTIFY THE VILLAGE OF GRAYSLAKE, OWNER AND THE ENGINEER AT LEAST 48 HOURS IN ADVANCE OF STARTING ANY CONSTRUCTION OPERATIONS.
- 30. THE CONTRACTOR INSTALLING PUBLIC IMPROVEMENTS IN THE VILLAGE OF GRAYSLAKE SHALL BE REQUIRED TO ATTEND A PRE-CONSTRUCTION MEETING WITH THE VILLAGE ENGINEER AND PUBLIC WORKS PRIOR TO TO BEGINNING WORK.

UNDERGROUND UTILITIES

- 1.WORK UNDER THIS SECTION INCLUDE TRENCHING, INSTALLATION OF PIPE, CASTINGS, STRUCTURES, BACKFILLING OF TRENCHES AND COMPACTION, AND TESTING AS SHOWN ON THE CONSTRUCTION PLANS. FITTINGS AND ACCESSORIES NECESSARY TO COMPLETE THE WORK MAY NOT BE SPECIFIED BUT SHALL BE CONSIDERED AS INCIDENTAL TO THE COST OF THE CONTRACT.
- 2.ROUGH GRADING TO WITHIN 1-FT OF FINISHED SUBGRADE SHALL BE COMPLETED PRIOR TO COMMENCEMENT OF UNDERGROUND UTILITY INSTALLATION.
- 3.ALL UTILITY TRENCHES BENEATH PROPOSED OR EXISTING UTILITIES. PROPOSED OR EXISTING PAVEMENT, DRIVEWAYS, SIDEWALKS AND FOR A DISTANCE OF 3-FT ON EITHER SIDE OF SAME, AND/OR WHEREVER ELSE SHOWN ON THE CONSTRUCTION PLAN SHALL BE BACKFILLED WITH SELECT GRANULAR BACKFILL FA-2 OR CA-6(GRADE 8 OR 9) AND THOROUGHLY COMPACTED IN ACCORDANCE WITH SPECIFICATIONS
- 4. THE CONSTRUCTION OF SEWER, WATER AND STORM MAINS SHALL BE IN ACCORDANCE WITH THE APPLICABLE STANDARDS LISTED IN GENERAL NOTE 2. 5.NON-SHEAR COUPLINGS WITH STAINLESS STEEL BANDS SHALL BE USED WHEN CONNECTING SEWER PIPES OF DISSIMILAR MATERIALS. WHEN CONNECTING TO AN EXISTING SEWER MAIN BY MEANS OTHER THAN AN EXISTING WYE. TEE. OR AN EXISTING MANHOLE. ONE OF THE FOLLOWING METHODS SHALL BE USED:
- A.REMOVE AN ENTIRE SECTION OF PIPE (BREAKING ONLY THE TOP OF ONE BELL) AND REPLACE WITH A WYE OR TEE BRANCH SECTION.
- WITH THE DIDE CUTTED NEATLY AND ACCUDATELY CUT OU DESIRED LENGTH OF PIPE FOR INSERTION OF PROPER FITTING. USING NON-SHEAR COUPLINGS WITH STAINLESS STEEL BANDS TO HOLD IT FIRMLY IN PLACE.
- C.MATERIAL AND METHOD MUST BE APPROVED BY VILLAGE IN WRITING.
- 6.ALL FLOOR DRAINS AND FLOOR DRAIN SUMP PUMPS SHALL DISCHARGE INTO THE SANITARY SEWER.
- 7.FOOTING DRAINS, DOWNSPOUTS AND SUBSURFACE STORMWATERS SHALL DISCHARGE INTO THE STORM SEWER SYSTEM.
- 8.SANITARY SEWERS SHALL BE CONSTRUCTED OF ONE OR MORE OF THE FOLLOWING MATERIALS AS SPECIFIED ON THE PLANS:
- A.POLYVINYL CHLORIDE PLASTIC GRAVITY SEWER PIPE (PVC) CONFORMING TO ASTM DESIGNATION D-2241 WITH AN SDR OF 26, WITH ELASTOMERIC GASKET JOINTS CONFORMING TO ASTM DESIGNATION D-3139.
- B.DUCTILE IRON PIPE CLASS 52 CONFORMING TO ANSI A21.51 WITH JOINTS CONFORMING TO ANSI A21.11 (AWWA C151, AWWA C111).
- 9.ALL SANITARY SERVICE CONNECTIONS TO MAINLINE SEWER SHALL BE MADE WITH PRECAST WYES OR TEES MANUFACTURED SPECIFICALLY FOR THAT PURPOSE. SANITARY SEWER SERVICE MATERIAL TO BE PVC ONFORMING TO ASTM D2241 WITH AN SDR OF 26 WITH ELASTOMERIC GASKETED JOINTS CONFORMING TO ASTM D3139.
- 10.ALL SANITARY SEWER MANHOLES SHALL HAVE ECCENTRIC CONES. CONE OPENINGS SHALL BE CENTERED PERPENDICULAR TO THE MAINLINE FLOW, ALL STRUCTURE SECTIONS AND ADJUSTING RINGS SHALL BE SECURELY SEALED TO EACH OTHER OR TO THE CONE SECTION ON TOP BARREL SECTION OF THE MANHOLE USING RESILIENT, FLEXIBLE, NON-HARDENING, PREFORMED, BITUMINOUS MASTIC (RAM-NEK, OR APPROVED EQUAL). THIS MASTIC SHALL BE APPLIED IN SUCH A MANNER THAT NO SURFACE WATER OR GROUND WATER INFLOW CAN ENTER THE MANHOLE THROUGH GAPS BETWEEN BARREL SECTIONS OR CONE SECTIONS AND ADJUSTING RINGS. SANITARY SEWER MANHOLES SHALL BE 4-0" DIAMETER PRECAST STRUCTURES, WITH APPROPRIATE FRAME AND LIDS (SEE CONSTRUCTION STANDARDS SHEETS). LIDS SHALL BE IMPRINTED WITH "VILLAGE OF MOKENA" AND "SANITARY SEWER" ALL SANITARY SEWER MANHOLES SHALL INCORPORATE THE USE OF CHIMNEY SEALS (SEE CONSTRUCTION STANDARDS).
- 11.ALL SANITARY SEWERS AND SANITARY SEWER SERVICES SHALL BE INSTALLED ON GRANULAR CRUSHED GRAVEL OR LIMESTONE BEDDING. CONFORMING TO CA-11. THICKNESS EQUAL TO 1/4 OF THE OUTSIDE DIAMETER OF THE SEWER PIPE. BUT NOT LESS THAN 4-INCHES OR MORE THAN 8-INCHES. BEDDING SHALL EXTEND TO THE SPRING LINE OF THE PIPE FOR STORM SEWERS . AND TO 1.0-FT OVER THE TOP OF THE PIPE FOR ALL PVC PIPE (SANITARY SEWERS, SANITARY SERVICES AND FORCEMAIN UNLESS INDICATED OTHERWISE ON THE CONSTRUCTION DETAILS). BEDDING MATERIAL SHALL CONFORM TO THE REQUIREMENTS OF ASTM C-33 FOR SOUNDNESS AND ASTM C-67 FOR GRADATION COST FOR BEDDING SHALL BE MERGED WITH THE UNIT PRICE BID FOR THE SEWER, WATERMAIN, REFER TO CONSTRUCTION STANDARDS SHEET FOR DETAILS OF BEDDING AND BACKFILL.
- 12.WATERSTOP GASKETS SHALL BE PROVIDED AT ALL SANITARY SEWER MANHOLE CONNECTIONS. TYPE AND MANUFACTURER AS APPROVED BY VILLAGE OF GRAYSLAKE.
- 13.ALL SANITARY SERVICE CONNECTIONS TO MAINLINE SEWER SHALL BE MADE WITH PRECAST WYES OR TEES MANUFACTURED SPECIFICALLY FOR THAT PURPOSE. SANITARY SEWER SERVICE MATERIAL TO BE SAME AS MAINLINE SEWER UNLESS SPECIFICALLY INDICATED OTHERWISE.
- 14.SANITARY SERVICES SHALL BE LAID TO A MINIMUM GRADE OF 1.00%. THE END OF EACH SERVICE SHALL BE SEALED WITH A MANUFACTURER'S WATERTIGHT PLUG. SANITARY SERVICE STUBS SHALL BE MARKED IN ACCORDANCE WITH THESE CONSTRUCTION NOTES.
- 15.SEWER SERVICE RISER SHALL BE USED WHEN MAINLINE SEWER EXCEEDS 12-FT IN DEPTH.
- 16.STORM SEWERS SEWERS AND SERVICES SHALL BE CONSTRUCTED OF ONE OR MORE OF FOLLOWING MATERIALS AS SPECIFIED ON THE PLANS: * REINFORCED CONCRETE CULVERT PIPE CLASS IV (UNDER PAVEMENT) OR CLASS III (IN PARKWAY), CONFORMING TO ASTM DESIGNATION C-76. JOINTS FOR STORM SEWERS SHALL BE RUBBER "O"-RING GASKET JOINTS CONFORMING TO ASTM C-443 AND THE PIPE SHALL NOT HAVE ANY LIFTHOLES. * PVC SDR-35 SOLID SMOOTH-WALL PIPE FOR INSTALLATION UNDER HARD SURFACE LOCATIONS. PIPE SHALL BE ASTM D-3034 WITH PUSH ON JOINTS CONFORMING TO ASTM D-3212. UNLESS SPECIFICALLY NOTED ON THE PLANS. PIPE SHALL BE INSTALLED AT A MINIMUM OF 1.0% SLOPE.

UNDERGROUND UTILITIES (CONT.)

* PVC SDR-35 SMOOTH-WALL PERFORATED UNDERDRAIN PIPE FOR DETENTION BASIN AND "SOFT SURFACE" UNDERDRAIN LOCATIONS. PIPE SHALL BE ASTM D-3034 OR ASTM F-758 WITH PUSH ON JOINTS CONFORMING TO ASTM D-3212. UNLESS SPECIFICALLY NOTED ON THE PLANS, PIPE SHALL BE INSTALLED AT A MINIMUM OF 0.5% SLOPE.

- 17.ALL STORM RCP SEWER SERVICE CONNECTIONS TO MAINLINE STORMSEWER SHALL BE MADE WITH EITHER AN APPROPRIATE PRECAST WYE (OR TEE) OR AN APPROPRIATE INSERTA-TEE LATERAL CONNECTION AS MANUFACTURED BY INSERTA-TEE FITTINGS CO. ALL PVC STORM SEWER CONNECTIONS SHALL BE MADE USING PVC FABRICATED FITTINGS WITH GASKETED PUSH-ON JOINTS CONDATIONS WITH THE CRECTED FOR COMPATIBLE WITH THE SPECIFIED PIPE.
- 18.STORM SEWER MANHOLES SHALL BE PRECAST STRUCTURES. WITH THE DIAMETER DEPENDENT ON THE PIPE SIZE AND WITH APPROPRIATE FRAME AND LIDS (SEE CONSTRUCTION STANDARDS). LIDS SHALL BE IMPRINTED WITH "VILLAGE OF GRAYSLAKE" AND "STORM SEWER".
- 19.WATERMAIN SHALL BE CONSTRUCTED FROM ONE OR MORE OF THE FOLLOWING MATERIALS AS SPECIFIED ON THE PLANS: A. WATERMAIN SHALL BE DUCTILE IRON CL52 CONFORMING TO ANSI A-21.51/ AWWA C151. WITH RUBBER GASKETED JOINTS CONFORMING TO ANSI A-21.11/ AWWA C-111. DUCTILE IRON FITTINGS SHALL BE CEMENT LINED IN CONFOR-MANCE WITH ANSI A-21.4 AND CONFORM TO ANSI A-21.10/ AWWA C-110 OR AWWA C-104. ALL DUCTILE IRON PIPE SHALL BE WRAPPED WITH POLYETHYLENE ENCASEMENT CONFORMING TO ANSI/AWWA C105/A21.5-93 OR LATEST REVISION. MINIMUM COVER FROM FINISHED GRADE TO TOP OF WATERMAIN SHALL BE 5.5 FT B. WATERMAIN SHALL BE PVC DR-18 PRESSURE CLASS 150 CONFORMING TO AWWA C-900. ALL MECHANICAL JOINT CONNECTIONS TO BE MADE USING MEGA-LUG FLANGE OR APPROVED EQUAL. MINIMUM COVER FROM FINISHED GRADE TO TOP OF WATERMAIN SHALL BE 5.5 FEET.
- 20.WATERMAIN FITTINGS (BENDS, ELBOWS, TEES, INCREASES, REDUCERS, ETC.) MAY NOT BE SPECIFICALLY REFERENCED ON THE CONSTRUCTION PLANS. HOWEVER, THEY ARE TO BE CONSIDERED AS INCIDENTAL AND INCLUDED IN THE LINEAL FOOTAGE COST OF THE WATERMAIN. ALL BENDS, TEES AND ELBOWS ON WATERMAIN SHALL BE THRUST BLOCKED PER 41-2.06 OF STANDARD SPECIFICATIONS. NO WOOD MATERIAL SHALL BE USED FOR BLOCKING. ALL MECHANICAL JOINT CONNECTIONS TO BE MADE USING "MEGA-LUGS" OR APPROVED EQUAL WHEN UTILIZED WITH PVC WATERMAIN PIPE.
- 21.GATE VALVES SHALL BE IN ACCORDANCE WITH VILLAGE DETAIL. SEE CONSTRUCTION STANDARDS FOR MATERIAL SPECIFICATIONS.
- 22.VALVE VAULTS SHALL BE IN ACCORDANCE WITH VILLAGE DETAIL. SEE CONSTRUCTION STANDARDS FOR MATERIAL SPECIFICATIONS. 23.A #10 WIRE SHALL BE INSTALLED WITH ALL NON-METALLIC WATER MAINS. THE WIRE SHALL BE CONTINUOUS FROM VALVE VAULT TO VALVE VAULT. IF SPLICING IS NECESSARY, PROPER ELECTRICAL CONNECTORS ARE TO BE USED. THE ENDS OF THE WIRE SHALL BE SECURED ON INSIDE VALVE VAULT WALL WITH NONFERROUS FASTENERS UP TO THE CASTING ELEVATION TO ALLOW
- CONNECTION TO A LOCATING DEVICE. 24.FIRE HYDRANTS SHALL BE IN ACCORDANCE WITH VILLAGE DETAIL. SEE
- CONSTRUCTION STANDARDS FOR MATERIAL SPECIFICATIONS. 25.WATER SERVICE SHALL BE TYPE K COPPER OR CLASS 52 DUCTILE IRON
- AS NOTED ON THE PLANS. SEE VILLAGE CONSTRUCTION STANDARDS. 26. THRUST BLOCKING SHALL BE INSTALLED ON WATERMAINS AT ALL BENDS, TEES, ELBOWS, ETC. COST OF SAME SHALL BE MERGED WITH UNIT PRICE FOR PIPE INSTALLED.
- 27.ALL WATERMAINS SHALL BE BEDDED IN ACCORDANCE WITH TRENCH DETAIL. COST FOR BEDDING SHALL BE MERGED WITH THE UNIT PRICE BID FOR THE WATERMAIN.
- 28.WHENEVER POSSIBLE. A WATERMAIN MUST BE LAID AT LEAST 10-FT HORIZONTALLY FROM ANY EXISTING OR PROPOSED DRAIN OR SEWER LINE. SHOULD LOCAL CONDITION EXIST WHICH WOULD PREVENT A LATERAL SEPARATION OF 10-FT. A WATERMAIN MAY BE LAID CLOSER THAN 10-FT TO A STORM OR SANITARY SEWER PROVIDED THAT THE WATERMAIN INVERT IS AT LEAST 18-INCHES ABOVE THE CROWN OF THE SEWER, AND IS EITHER IN A SEPARATE TRENCH OR IN THE SAME RENCH ON AN UNDISTURBED EARTH SHELF LOCATED TO ONE SIDE OF THE SEWER. IF IT IS IMPOSSIBLE TO OBTAIN PROPER HORIZONTAL OR VERTICAL SEPARATION AS DESCRIBED ABOVE, THEN THE SEWER MUST ALSO BE CONSTRUCTED OF WATERMAIN TYPE MATERIAL AND PRESSURE TESTED TO THE MAXIMUM EXPECTED SURCHARGE HEAD TO ASSURE WATERTIGHTNESS BEFORE BACKFILLING.
- 29.WHENEVER WATERMAINS MUST CROSS SANITARY SERVICES, STORM SEWERS OR SANITARY SEWERS. THE WATERMAIN SHALL BE LAID AT SUCH AN ELEVATION THAT THE INVERT OF THE WATERMAIN IS 18-INCHES ABOVE THE CROWN OF THE DRAIN OR SEWER. THIS VERTICAL SEPARATION MUST BE MAINTAINED FOR THAT PORTION OF THE WATERMAIN LOCATED WITHIN 10-FT HORIZONTALLY OF ANY SEWER OR DRAIN CROSSED. THIS MUST BE MEASURED AS THE DISTANCE FROM THE WATERMAIN TO THE DRAIN OR SEWER. IF IT IS IMPOSSIBLE TO OBTAIN THE PROPER VERTICAL SEPARATION AS DESCRIBED ABOVE OR IF IT IS NECESSARY FOR THE WATERMAIN TO PASS UNDER A SEWER OR DRAIN, THEN THE SEWER MUST BE CONSTRUCTED OF WATERMAIN TYPE MATERIAL. THIS CONSTRUCTION MUST EXTEND ON EACH SIDE OF THE CROSSING FROM MANHOLE TO MANHOLE. WHERE A WATERMAIN MUST CROSS UNDER A SEWER, A VERTICAL SEPARATION OF 18-INCHES BETWEEN THE INVERT OF THE SEWER AND THE CROWN OF THE WATERMAIN SHALL BE MAINTAINED, ALONG WITH MEANS TO SUPPORT THE LARGER SIZED SEWER LINES TO PREVENT THEIR SETTLING AND BREAKING THE
- 30. THE UNDERGROUND CONTRACTOR SHALL PLACE AND MOUND EXCESS EXCAVATED TRENCH MATERIAL ADJACENT TO THE TRENCHES IN AN ORDERLY FASHION SO AS NOT TO CREATE HAZARD OR OBSTRUCTION AND TO MAINTAIN THE SITE IN A WORKABLE CONDITION. THE DISPOSAL AND PLACEMENT OF ALL EXCESS TRENCH MATERIAL SHALL BE THE RESPONSIBILITY OF THE EARTH EXCAVATING CONTRACTOR
- 31. THE UNDERGROUND CONTRACTOR SHALL BE RESPONSIBLE FOR DEWATERING ANY EXCAVATION OR THE INSTALLATION OF THE SEWER OR WATER SYSTEMS. DEWATERING DISCHARGE SHALL BE DIRECTED TO AN ENGINEER OR VILLAGE APPROVED MEANS OF SEDIMENT REMOVAL. ANY DEWATERING REQUIRED SHALL BE INCIDENTAL TO THE RESPECTIVE UNDERGROUND UTILITY
- 32.ANY ANTICIPATED COST OF SHEETING SHALL BE REFLECTED IN THE CONTRACT AMOUNTS. NO ADDITIONAL COST WILL BE ALLOWED FOR SHEETING OR BRACING.
- 33.STRUCTURES FOR SANITARY AND STORM SEWERS AND VALVE VAULTS FOR WATERMAINS SHALL BE IN ACCORDANCE WITH THESE IMPROVEMENT PLANS AND THE APPLICABLE STANDARD SPECIFICATIONS. WHERE GRANULAR TRENCH BACKELLL IS REQUIRED AROUND THESE STRUCTURES. THE COST SHALL BE CONSIDERED AS INCIDENTAL AND SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE STRUCTURE.
- 34.FRAMES AND LIDS (OR GRATES) FOR SANITARY, WATERMAIN AND STORM SEWER STRUCTURES SHALL BE AS INDICATED WITHIN THESE IMPROVEMENT PLANS. (SEE DETAILS).
- 35.ALL STRUCTURES MAY HAVE A MAXIMUM OF 8-INCHES OF ADJUSTING RINGS.
- 36.ALL TOP FRAMES FOR STORM AND SANITARY SEWERS AND VALVE VAULT COVERS AND B-BOXES ARE TO BE ADJUSTED TO MEET FINAL FINISH GRADE UPON COMPLETION OF FINISH GRADING AND FINAL INSPECTIONS. THIS ADJUSTMENT IS TO BE MADE BY THE UNDERGROUND CONTRACTOR AND THE COST IS TO BE CONSIDERED INCIDENTAL. THE UNDERGROUND CONTRACTOR SHALL INSURE THAT ALL ROAD AND PAVEMENT INLETS OR STRUCTURES (FRAMES AND GRATES) ARE AT FINISHED GRADE. ANY ADJUSTMENTS NECESSITATED BY THE CURB OR PAVING CONTRACTOR TO ACHIEVE FINAL RIM GRADE. RESULTING IN AN EXTRA FOR SAID ADJUSTMENTS, WILL BE CHARGED TO THE UNDERGROUND CONTRACTOR.
- 37.ALL SANITARY SEWERS, INCLUDING SERVICE LINES AND MANHOLES, SHALL BE SUBJECT TO EITHER AN INFILTRATION TEST OR AIR TEST, AND APPLICABLE DEFLECTION TEST BY THE CONTRACTOR. ALLOWABLE INFILTRATION SHALL NOT EXCEED 200 GALLONS PER INCH DIAMETER OF PIPE PER MILE PER DAY. THE CONTRACTOR SHALL COORDINATE ALL TESTING SO THAT IT CAN BE WITNESSED BY THE VILLAGE ENGINEER, VILLAGE PUBLIC WORKS DEPARTMENT AND/OR SANITARY DISTRICT AS APPROPRIATE.
- 38.SANITARY SEWERS, INCLUDING SERVICES AND MANHOLES, SHALL BE AIR TESTED IN ACCORDANCE WITH SECTION 31-1-11C OF THE STANDARD SPECIFICATIONS FOR SEWER AND WATER CONSTRUCTION.
- 39.ALL WATER MAINS SHALL BE SUBJECT TO PRESSURE TESTING FOR ONE (1) HOUR AT 150 PSIG WITH ALL HYDRANT VALVES AND MAINLINE VALVES OPEN IN THE TEST SECTION. GAS CHORINATION AND SAMPLING FOR BACTERIOLOGICAL ANALYSIS PER WATER DEPT. GUIDELINES SHALL FOLLOW. FOLLOWING SUCCESSFUL CHLORINATION AND SAMPLING, CONTACT VILLAGE FIRE MARSHALL FOR FLOW TESTING PER FIRE DEPARTMENT REOUIREMENTS.
- 40. RIP-RAP MATERIAL TO BE PROVIDED IN CONJUNCTION WITH THE UNDERGROUND IMPROVEMENTS, SHALL CONFORM TO SECTION 1005, AND IF INDICATED ON THE PLANS SHALL BE GROUTED IN PLACE IN ACCORDANCE WITH SECTION 281 OF THE STANDARD SPECIFICATIONS. UNLESS NOTED OTHERWISE ON THE PLANS.
- 41. THE CONTRACTOR SHALL MAINTAIN A LEGIBLE RECORD ON A SET OF CONSTRUCTION PLANS SO THAT ALL MANHOLES. WYES AND SERVICES. VALVE BOXES, CURB BOXES, ETC., CAN BE LOCATED IN THE FIELD. FINAL CONTRACT PAYMENT SHALL NOT COME DUE UNTIL THIS INFORMATION IS RECEIVED BY THE ENGINEER.
- 42.ALL CATCH BASINS, SUMPS AND/OR RETENTION BASINS ARE TO BE CLEANED AT THE END OF THE PROJECT PRIOR TO FINAL ACCEPTANCE. CLEANING MAY ALSO BE REQUIRED DURING THE COURSE OF TH CONSTRUCTION OF THE PROJECT IF IT IS DETERMINED THAT THE SILT AND DEBRIS TRAPS ARE NOT FUNCTIONING PROPERLY.
- 43.1T SHALL BE THE RESPONSIBILITY OF THE UNDERGROUND CONTRACTOR TO REMOVE FROM THE SITE ANY AND ALL MATERIALS AND DEBRIS WHICH RESULT FROM HIS CONSTRUCTION OPERATIONS AT NO ADDITIONAL EXPENSE TO THE OWNER.

EARTHWORK

- 1.WORK UNDER THIS SECTION SHALL INCLUDE, BUT NOT BE LIMITED TO, THE FOLLOWING:
- A.CLEARING AND REMOVAL OF UNDESIRABLE TREES AND OTHER VEGETATIVE GROWTH WITHIN THE CONSTRUCTION AREA. TREE REMOVAL SHALL BE AS DESIGNATED BY THE OWNER AND SHALL BE KEPT TO A MINIMUM.
- B.STRIPPING OF TOPSOIL IS REQUIRED FROM ALL STREET, DRIVEWAY. PARKING LOT. RIGHT-OF-WAY. BUILDING PAD. AND OTHER DESIGNATED STRUCTURAL AREAS.
- C.STOCKPILING OF TOPSOIL AT LOCATIONS AS DIRECTED BY THE OWNER. TOPSOIL STOCKPILED FOR FUTURE USE SHALL BE RELATIVELY FREE FROM LARGE ROOTS, STICKS, WEEDS, BRUSH, STONES LARGER THAN 1-INCH DIAMETER, OR OTHER LITTER AND WASTE PRODUCTS INCLUDING EXTRANEOUS MATERIALS NOT CONDUCIVE TO PLANT GROWTH. TOPSOIL SHALL BE STOCKPILED IN SEQUENCE TO ELIMINATE ANY REHANDLING OR DOUBLE MOVEMENTS BY THE CONTRACTOR. FAILURE TO PROPERLY SEQUENCE THE STOCKPILING OPERATIONS SHALL NOT CONSTITUTE A CLAIM FOR ADDITIONAL COMPENSATION. NO MATERIAL SHALL BE STOCKPILED IN FRONT YARDS, OVERLAND DRAINAGE SWALES FLOOD ROUTING AREAS). IN PROPOSED UTILITY LOCATIONS. IN UTILITY EASEMENTS, OR IN THE RIGHT-OF-WAY.
- D.DEMOLITION AND REMOVAL OF EXISTING BUILDINGS OR FOUNDATIONS AND/OR PAVEMENTS INCLUDING OFF-SITE DISPOSAL OF SAME AT A DUMP SITE AS SELECTED BY THE CONTRACTOR. ON-SITE DISPOSAL IS NOT ALLOWED.
- E.CLAY CUT AND CLAY FILL WITH COMPACTION WITHIN ROADWAY. BUILDING PAD, PARKING LOT AND OTHER DESIGNATED AREAS.
- F.EXCAVATION AND GRADING OF THE OPEN SPACE AND/OR YARD AREAS PER PLAN INCLUDING DESIGNATED REGRADING. CONSTRUCTION OF BERMS, ETC.
- G.PLACEMENT AND COMPACTION OF CLAY TO THE DESIGN SUBGRADE ELEVATIONS AS REQUIRED BY THE STANDARDS AND DETAILS ON HE CONSTRUCTION PLANS. THE CONTRACTOR WILL NOTE THAT THE ELEVATIONS SHOWN ON THE CONSTRUCTION PLANS ARE FINISHED GRADE FLEVATIONS AND THAT PAVEMENT AND/OR TOPSOIL REPLACEMENT THICKNESS MUST BE SUBTRACTED TO DETERMINE SUBGRADE ELEVATIONS.
- H.PLACEMENT AND COMPACTION OF NON-STRUCTURAL FILLS. I.IF REQUIRED, REMOVAL FROM SITE AND DISPOSAL OF ANY EXCESS OR UNSUITABLE MATERIAL UPON COMPLETION OF MASS
- GRADING. J.BACKFILLING OF CURBS AND/OR PAVEMENT AND SIDEWALK AFTER
- INSTALLATION OF SAME BY THE PAVING CONTRACTOR. K.FINAL SHAPING AND TRIMMING TO THE LINES, GRADES, AND CROSS-SECTIONS SHOWN IN THESE PLANS, AND TOPSOIL
- PLACEMENT TO DESIGN FINISHED GRADE ELEVATIONS. L.SOIL EROSION CONTROL MEASURES IN ACCORDANCE WITH THE APPLICABLE SPECIFICATIONS.
- 2.PRIOR TO COMMENCEMENT OF MASS GRADING OPERATIONS, THE EARTHWORK CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE SOIL EROSION CONTROL SPECIFICATIONS. THE INITIAL ESTABLISHMENT OF EROSION CONTROL PROCEDURES AND THE PLACEMENT OF FILTER FENCING, ETC., TO PROTECT ADJACENT PROPERTY SHALL OCCUR BEFORE MASS GRADING BEGINS, AND IN ACCORDANCE WITH THE SOIL EROSION CONTROL CONSTRUCTION SCHEDULE.
- 3.PRIOR TO COMMENCEMENT OF GRADING ACTIVITIES, A "SNOW FENCE" SHALL BE ERECTED AROUND ANY TREE DESIGNATED ON THE PLANS TO BE PRESERVED. SAID FENCE SHALL BE PLACED IN A CIRCLE CENTERED AROUND THE TREE. THE DIAMETER OF WHICH SHALL BE SUCH THAT THE ENTIRE DRIP ZONE (EXTENT OF FURTHEST EXTENDING BRANCHES) SHALL BE WITHIN THE FENCE LIMITS. THE EXISTING GRADE WITHIN THE FENCED AREA SHALL NOT BE DISTURBED.
- 4. 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 HE SOILS ENGINEER.
- 5. THE GRADING AND CONSTRUCTION OF THE SITE IMPROVEMENTS SHALL NOT CAUSE PONDING OF STORMWATER. ALL AREAS ADJACENT TO THESE IMPROVEMENTS SHALL BE GRADED TO ALLOW POSITIVE DRAINAGE.
- 7. THE PROPOSED GRADING ELEVATIONS SHOWN ON THE PLANS ARE FINISH GRADE. A MINIMUM OF 6-INCHES OF TOPSOIL IS TO BE PLACED BEFORE FINISH GRADE ELEVATIONS ARE ACHIEVED.
- 8.THE SELECTED STRUCTURAL FILL MATERIAL SHALL BE PLACED I LEVEL UNIFORM LAYERS SO THAT THE COMPACTED THICKNESS IS APPROXIMATELY 6-INCHES: IF COMPACTION EQUIPMENT DEMONSTRATES THE ABLILITY TO COMPACT GREATER THICKNESS. THEN A GREATER THICKNESS MAY BE SPECIFIED. EACH LAYER SHALL BE THOROUGHLY MIXED DURING SPREADING TO INSURE UNIFORMITY
- 9.EMBANKMENT MATERIAL WITHIN ROADWAY, DRIVEWAY, PARKING LOT, AND OTHER STRUCTURAL CLAY FILL AREAS SHALL BE COMPACTED TO A MINIMUM OF 95% OF MAXIMUM DENSITY IN ACCORDANCE WITH ASTM SPECIFICATION D-1557 (MODIFIED PROCTOR METHOD), OR TO SUCH OTHER DENSITY AS MAY BE DETERMINED APPROPRIATE BY THE SOILS ENGINEER. EMBANKMENT MATERIAL FOR BUILDING PADS SHALL BE COMPACTED TO A MINIMUM OF 95% OF MAXIMUM DENSITY IN ACCORDANCE WITH ASTM DESIGNATION D-1557 (MODIFIED PROCTOR METHOD) OR TO SUCH OTHER DENSITY AS MAY BE DETERMINED APPROPRIATE BY THE SOILS ENGINEER.
- 10.EMBANKMENT MATERIAL (RANDOM FILL) WITHIN NON-STRUCTURAL FILL AREAS SHALL BE COMPACTED TO A MINIMUM OF 90% OF MAXIMUM DENSITY IN ACCORDANCE WITH ASTM SPECIFICATION D-1557 (MODIFIED PROCTOR METHOD).
- 11. THE SURFACE VEGETATION, TOPSOIL, AND ANY OBVIOUSLY SOFT UNDERLYING SOIL SHOULD BE STRIPPED FROM ALL AREAS TO RECEIVE CLAY FILL. IF THE UNDERLYING SUBGRADE SOILS RUT DEEPER THAN 1-INCH UNDER THE CONSTRUCTION EQUIPMENT OR IF THE MOISTURE CONTENT EXCEEDS THAT NEEDED FOR PROPER COMPACTION, THE SOIL SHALL BE SCARIFIED, DRIED AND RECOMPACTED TO THE REQUIRED SPECIFICATIONS (SEE SECTION 212 OF THE I.D.O.T. SPECIFICATIONS).
- 12.COMPLETED GRADING (FINISHED FINE GRADE) FOR PROPOSED PAVEMENT SUBGRADE AREAS, BUILDING PADS, DRIVEWAYS AND SIDEWALKS, AND YARD/OPEN SPACE AREAS SHALL BE WITHIN A TOLERANCE 0.1-FT+/-OF DESIGN SUBGRADE ELEVATIONS.
- 13.PRIOR TO UTILITY CONSTRUCTION, PROPOSED PAVEMENT AREAS, BUILDING PADS, DRIVEWAYS AND SIDEWALKS AND YARD/OPEN SPACE AREAS SHALL BE ROUGH EXCAVATED OR FILLED TO 1-FT+/- OF DESIGN SUBGRADE BY THE CONTRACTOR.
- 14. THE SUBGRADE OF PROPOSED STREET AND PAVEMENT AREAS SHALL BE PROOF-ROLLED BY THE CONTRACTOR IN THE PRESENCE OF VILLAGE OF GRAYSLAKE STAFF AND ANY UNSTABLE MATERIAL ENCOUNTERED SHALL BE REMOVED AND REPLACED AS DIRECTED BY VILLAGE STAFF AND THE SOILS ENGINEER.
- 15.RIP-RAP MATERIAL TO BE PROVIDED IN CONJUNCTION WITH THE EARTHWORK IMPROVEMENTS SHALL CONFORM TO SECTION 705 OF THE 1.D.O.T. SPECIFICATIONS, AND IF GROUTED IN PLACE IN ACCORDANCE WITH SECTION 281 OF SAME STANDARD SPECIFICATIONS. UNLESS NOTED OTHERWISE ON THE PLANS.
- 16. THE CONTRACTOR SHALL MAKE HIS OWN SOIL INVESTIGATIONS AND SHALL PLAN HIS WORK ACCORDINGLY. ARRANGEMENTS TO ENTER THE PROPERTY DURING THE BIDDING PHASE MAY BE MADE UPON REQUEST OF THE OWNER. THERE WILL BE NO ADDITIONAL PAYMENT FOR EXPENSES INCURRED BY THE CONTRACTOR RESULTING FROM ADVERSE SOIL OR GROUNDWATER CONDITIONS.
- 18. THE CONTRACTOR SHALL CONTACT A QUALIFIED INDEPENDENT GEOTECHNICAL FIRM TO VERIFY REQUIRED COMPACTION REQUIREMENTS HAVE BEEN MET. COMPACTION TEST FOR STRUCTURAL FILL AREAS UNDER SLABS, FOOTINGS, FOUNDATIONS, PARKING LOTS, CURB AND DETENTION POND BERMS SHALL BE PROVIDED AT EACH LIFT. ALL COMPACTION AND MODIFIED PROCTOR TEST SHALL BE INCIDENTAL TO THE CONTRACT.
- 19.WHERE FILL MATERIAL IS REQUIRED TO REACH THE DESIGN SUBGRADE OR TO REPLACE UNSUITABLES IT SHALL BE APPROVED BY GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT. FILL MATERIAL SHALL BE FREE OF ORGANIC MATTER, LUMPS, FROZEN SOIL OR DEBRIS AND HAVE A LIQUID LIMIT AND PLASTICITY INDEX LESS THAN 40 AND 15, RESPECTIVELY.
- 20.ALL EARTHWORK AND ALL ASSOCIATED RELATED WORK NECESSARY SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE, NO ADDITIONAL COMPENSATION WILL BE PROVIDED FOR ANY WORK THAT CAN REASONABLY SSUMED OR INFERRED FROM THE CONTRACT DOCUMENTS INCLUDING NOT LIMITED TO TOPSOIL STRIPPING AND STOCKPILING, EXCAVATION AND FILLING, REMOVAL, HAULING AND DISPOSAL OF UNSUITABLES OR OTHER MATERIALS THAT CAN'T BE USED ON-SITE, IMPORTING, PLACIN AND COMPACTING STRUCTURAL FILL, ROUGH GRADING, IMPORTING AND RESPREADING TOPSOIL, FINE GRADING, BACKFILLING, ETC.
- 21.EXCESS EXCAVATED MATERIAL NOT SUITABLE OR REQUIRED FOR BACKFILLING OR SITE GRADING AND ALL MATERIALS CONTAINING SLAG, CINDERS, FOUNDRY SAND, DEBRIS AND RUBBLE SHALL BE REMOVED FROM SITE AND LEGALLY DISPOSED AT NO ADDITIONAL COST.
- 22.IT SHALL BE THE RESPONSIBILITY OF THE EXCAVATION CONTRACTOR TO REMOVE FROM THE SITE ANY MATERIALS AND DEBRIS WHICH RESULT FROM HIS CONSTRUCTION OPERATIONS AT NO ADDITIONAL EXPENSE TO THE OWNER.

DEMOLITION, CLEARING, GRUBBING, TREE PROTECTION AND PLANTING

1. ALL ITEMS NOTED ON THE PLANS TO BE REMOVED OR OTHER ITEMS NOT SPECIFICALLY NOTED NECESSARY TO BE REMOVED TO CONSTRUCT THE PROPOSED IMPROVEMENTS SHALL BE DEMOLISHED/REMOVED AND DISPOSED OF LEGALLY OFF-SITE AT NO ADDITIONAL COST TO THE OWNER.

TREES OR GROUPS OF TREES SHOWN TO BE PROTECTED OR &

DAMAGE AND NO EQUIPMENT OR MATERIALS SHALL BE STORED IN THESE

NO STUMPS, TREES, LIMBS, OR BRUSH SHALL BE BURIED IN ANY FILLS OR EMBANKMENTS. SPECIFICATIONS.

SPECIFICATIONS.

MEPAIRED AS NEEDED. THE PROPERTY OWNER SHALL BE ULTIMATELY RESPONSIBLE FOR MAINTENANCE AND REPAIR. I. A STABILIZED MAT OF AGGREGATE UNDERLAIN WITH FILTER CLOTH (OR OTHER APPROPRIATE MEASURE) SHALL BE LOCATED AT ANY POINT WHERE TRAFFIC WILL BE ENTEREING OR LEAVING A CONSTRUICTION SITE TO OR FROM A PUBLIC RIGHT-OF WAY-, STREET, ALLEY OR PARKING AREA. ANY SEDIMENT OR SOIL REACHING AN IMPROVED PUBLIC RIGHT-OF-WAY, STREET, ALLEY, OR PARKING AREA SHALL BE REMOVED BY SCRAPING OR STREET CLEANING AS ACCUMULATIONS WARRANT AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA. J. SOIL STOCKPILES SHALL NOT BE LOCATED IN A FLOOD PRONE AREA OR DESIGNED BUFFER PROTECTING WATERS OF THE UNITED STATES. K. IF DEWATERING SERVICES ARE USED. ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION. DISCHARGES SHALL BE OUTED THROUGH AN EFFECTIVE SEDIMENT CONTROL MEASURE (e.g. SEDIMENT TRAP. SEDIMENT BASIN. OR OTHER APPROPRIATE MEASURE) L. THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED. AS DIRECTED BY THE ENGINEER OR GOVERNING

- 3. NO SEDIMENT SHALL BE ALLOWED TO ENTER THE EXISTING STORM SEWER SYSTEM. INLET PROTECTION SHALL BE INSTALLED AT ALL AFFECTED INLETS. 4. IN ACCORDANCE WITH THESE CONSTRUCTION PLANS, SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED UNTIL VEGETATION IS ESTABLISHED AND/OR CONSTRUCTION IS COMPLETE.
- 5. TOPSOIL STOCKPILES SHALL BE LOCATED TO AVOID EROSION OF SAID STOCKPILE ONTO OFFSITE AREAS. TOPSOIL STOCKPILES SHALL BE COMPLETELY ENCLOSED WITH SILT FENCING. STOCKPILES SHALL BE TEMPORARILY SEEDED IF LEFT IN PLACE FOR OVER 7 DAYS. . WHEN STORM WATER IS TO BE ROUTED THROUGH EXISTING OR PROPOSED DETENTION ASINS IN ORDER TO ALLOW SETTLEMENT OF SILT AND DEBRIS, THE BASINS ARE TO BE CONSTRUCTED IMMEDIATELY UPON COMMENCEMENT OF THE PROJECT. BASINS WILL BE PROPERLY OVER-EXCAVATED SO AS TO PROVIDE SUFFICIENT VOLUME FOR DEBRIS AND SETTLEMENT. IF THE DRAINAGE IS INTO AN EXISTING BASIN, THE UPSTREAM PROJECT WILL BE PROPERLY PROTECTED SO AS TO MINIMIZE SILTATION OF THE DOWNSTREAM BASIN THROUGH THE USE OF EROSION CONTROL PRACTICES.

- SPECIFICATIONS.
- F. PERMANENT SOIL STABILIZATION SHALL BE DONE WITHIN 7 CALENDAR DAYS

2. ALL TREES, STUMPS, BRUSH, ROOTS AND OTHER OBJECTIONABLE MATERIAL SHALL BE CUT, GRUBBED, REMOVED AND DISPOSED OF OFF-SITE FROM THE AREAS DELINEATED ON THE PLANS. ALL CLEARING AND GRUBBING SHALL BE APPROVED BY THE OWNER AND THE ENGINEER.

THE LIMITS OF DISTURBANCE SHALL BE PROTECTED FROM DAMAGE BY ALL CONSTRUCTION OPERATIONS BY ERECTING TREE PROTECTION FENCING, OR BY OTHER APPROVED MEANS. CONSTRUCTION OPERATIONS SHALL BE CONDUCTED IN A MANNER TO PREVENT DAMAGING TREES DESIGNATED TO TREES LOCATED OUTSIDE OF THE LIMITS OF DISTURBANCE. 4. AREAS OUTSIDE THE LIMITS OF DISTUBANCE SHALL BE PROTECTED FROM

6. CLEARING, TREE REMOVAL, TREE PROTECTION, TREE CARE, REPAIR AND REPLACEMENT OF BOTH EXISTING AND NEWLY PLANT MATERIAL SHALL BE IN ACCORDANCE WITH SECTION 201 OF THE I.D.O.T. STANDARD

7. PLANTING AND CARE OF WOODY PLANTS SUCH AS TREES, SHRUBS, ETC SHALL BE IN ACCORDANCE WITH SECTION 253 OF THE I.D.O.T. STANDARD

EROSION CONTROL SPECIFICATIONS

1. SOIL EROSION CONTROL MEASURES IN ACCORDANCE WITH THE "LAKE COUNTY STORMWATER TECHNICAL GUIDANCE MANUAL SHALL E FOLLOWED AS DIRECTED BY THE OWNER, ENGINEER, OR VILLAGE ENGINEER. AN SOIL EROSION CONTROL MEASURES, IN ADDITION TO THOSE OUTLINED IN THESE PLANS AND WHICH ARE DEEMED NECESSARY BY THE OWNER, ENGINEER AND/OR VILLAGE ENGINEER, SHALL BE IMPLEMENTED IMMEDIATELY BY THE CONTRACTOR.

THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH THE FOLLOWING STORMWATER MANAGEMENT SEDIMENT AND EROSION CONTROL NOTES: SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION SOIL STABILIZATION MEASURES SHALL CONSIDER THE TIME OF YEAR. SITE CONDITIONS AND THE USE OF TEMPORARY OR PERMANENT MEASURES. B. SOIL EROSION AND SEDIMENTATION CONTROL FEATURES SHALL BE CONSTRUCTED PRIOR

B. SUIL ENUSION AND SEDIMENIATION CONINCL FEATURES SHALL BE CONSTRUCTED PRIOR TO THE COMMENCEMENT OF HYDROLOGIC DISTURBANCES OF UPLAND AREAS. C. DISTURBED AREAS SHALL BE STABLIZED WITH TEMPORARY MEASURES WITHIN 7 CALENDAR DAYS OF THE END OF ACTIVE HYDROLOGIC DISTURBANCE. OR REDISTURBANCE. D. AREAS OR EMBANKMENTS HAVING SLOPES GREATER THAN OR EQUAL TO 3H:1V SHALL BE STABLLIZED WITH SOD. MAT OR BLANKET IN COMBINATION WITH SEEDING. E. EROSION CONTROL BLANKET SHALL BE REQUIRED ON ALL INTERIOR DETENTION BASIN SIDE SLOPES BETWEEN NORMAL WATER LEVEL AND HIGH WATER LEVEL. F. ALL STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED, BY AN APPROPRIATE SEDIMENT CONTROL MEASURE. G. ALL TEMPORARY EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED. H. ALL TEMPORARY AND PERMANENT EROSION CONTROL MEASURES MUST BE MAINTAINED AND

IN THE EVENT THAT A CONFLICT SHOULD ARISE BETWEEN THE STORMWATER MANAGEMENT SPECIFICATIONS AND THE ADDITIONAL EROSION CONTROL SPECIFICATIONS INCLUDED IN THIS PLAN. THE STORMWATER MANAGEMENT COMMISSION SPECIFICATIONS SHALL OVERRIDE.

2. STREETS ADJACENT TO THE SITE SHALL BE KEPT FREE OF DIRT, MUD AND DEBRIS THROUGH THE USE OF RUBBER TIRE TRACTORS OR STREET SWEEPER.

7. ALL STORM SEWER CATCH BASING SUMPS AND/OR RETENTION BASING PROVIDED WITHIN THIS PROJECT ARE TO BE CLEANED AT THE END OF CONSTRUCTION OF THE PROJECT AND PRIOR TO FINAL ACCEPTANCE. CLEANING MAY ALSO BE REQUIRED DURING THE COURSE OF THE CONSTRUCTION OF THE PROJECT IF IT IS DETERMINED THAT THE SILT AND DEBRIS TRAPS ARE NOT PROPERLY FUNCTIONING AND THEIR PERFORMANCE IS IMPAIRED.

8. A STABILIZED CONSTRUCTION ENTRANCE(S) FOR MUD AND DUST CONTROL SHALL BE ESTABLISHED AT THE COMMENCEMENT OF CONSTRUCTION ACTIVITY AND SHALL BE MAINTAINED THROUGHOUT THE COURSE OF THE PROJECT. THE CONSTRUCTION ENTRANCE(S) SHALL BE LOCATED GENERALLY WHERE SHOWN ON THE PLAN, AND AT ANY OTHER POINTS WHERE CONSTRUCTION TRAFFIC FREQUENTLY LEAVES THE PUBLIC ROADWAY TO ENTER THE SITE. THE STABILIZED CONSTRUCTION ENTRANCE(S) SHALL BE A MINIMUM OF 14 FEET WIDE, 50 FEET LONG, AND SHALL CONSIST OF A 6 THICK MINIMUM LAYER OF

COARSE AGGREGATE (CA-1, 2, 3 OR 4) COMPACTED IN PLACE, UNDERLAIN WITH A GEOTEXTILE FILTER FABRIC. GEOTEXTILE FABRIC SHALL BE TREVIRA SPUNBOUND 1115 OR APPROVED EQUAL REFER TO STABILIZED CONSTRUCTION ENTRANCE DETAIL. 9. UNLESS SOIL EROSION CONTROL ITEMS ARE SPECIFICALLY REFERRED TO AS BID ITEMS

(SUCH AS TOPSOIL RESPREAD, SEEDING, ETC.), THEY ARE TO BE CONSIDERED AS INCIDENTAL TO THE COST OF THE CONTRACT. 10. UPON COMPLETION OF TOPSOIL RESPREAD OPERATIONS, ALL DISTURBED AREAS SHALL BE SEEDED, SODDED, OR LANDSCAPED AS NOTED ON THE LANDSCAPE PLAN (BY OTHERS). 11. SEEDING AND MULCHING SHALL BE IN ACCORDANCE WITH SECTIONS 250 AND 251 OF THE STANDARD SPECIFICATIONS. SEED MIXTURE SHALL BE CLASS 1.

12. PERMANENT SODDING SHALL BE IN ACCORDANCE WITH SECTION 252 OF THE I.D.O.T. "STANDARD SPECIFICATIONS".

13. THE OWNER SHALL CONSTRUCT ANY ADDITIONAL STORM SEWER, INLETS OR FIELD DRAINS IN THE DEVELOPMENT WHICH ARE REQUIRED IN ORDER TO ELIMINATE CONDITIONS OF STANDING WATER OR EXCESSIVE SATURATION WHICH IN THE OPINION OF THE ENGINEER COULD BE DETRIMENTAL TO THE GROWTH AND MAINTENANCE OF LAWN GRASSES. 14. ALL DISTURBED GROUND WITHIN THE STATE, COUNTY AND VILLAGE RIGHT-OF-WAY SHALL BE RESTORED WITH 6" OF TOPSOIL AND SODDING.

15. EACH RESPECTIVE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION, MAINTENANCE, AND ANY NECESSARY CORRECTIVE ACTION ASSOCIATED WITH THE EROSION CONTROL MEASURES SO DESIGNATED FOR THAT CONTRACTOR. THE FOLLOWING ITEMS ARE TO BE PROVIDED BY THE DESIGNATED CONTRACTOR AT THE TIME AND IN THE GENERAL SEQUENCE

A. INSTALL CONSTRUCTION ENTRANCE, AND EROSION CONTROL FABRIC FENCE PRIOR TO THE START OF CONSTRUCTION. B. INSTALL SILT FENCING AROUND SOIL STOCKPILES PRIOR TO PLACEMENT OF MATERIAL IN SAID STOCKPILE.

C. PROVIDE INLET PROTECTION PER DETAILS AT ALL STORM STRUCTURES IMMEDIATELY AFTER INSTALLATION OF SAID STRUCTURES. D. PROVIDE CLEANING OF STORM SEWER SYSTEM, CATCH BASINS, AND STORM SEWER STRUCTURES IN ACCORDANCE WITH THESE SOIL EROSION CONTROL

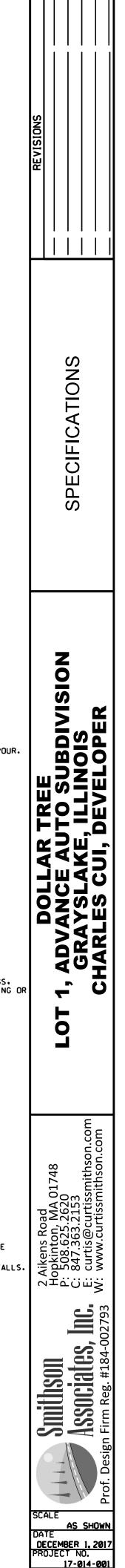
E. TEMPORARY SOIL STABILIZATION SHALL BE APPLIED TO DISTURBED AREAS WITHIN 7 CALENDAR DAYS OF THE END OF THE HYDROLOGIC DISTURBANCE.

AFTER FINAL GRADING HAS BEEN COMPLETED. G. QUALIFIED PERSONNEL SHALL INSPECT DISTURBED AREAS OF THE CONSTRUCTION SITE THAT HAVE NOT BEEN PERMANENTLY STABILIZED. STRUCTURAL CONTROL MEASURES AND LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE AT LEAST ONCE EVERY SEVEN DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.50 INCHES OR GREATER

RAINFALL OR LIQUID EQUIVALENT PRECIPITATION.

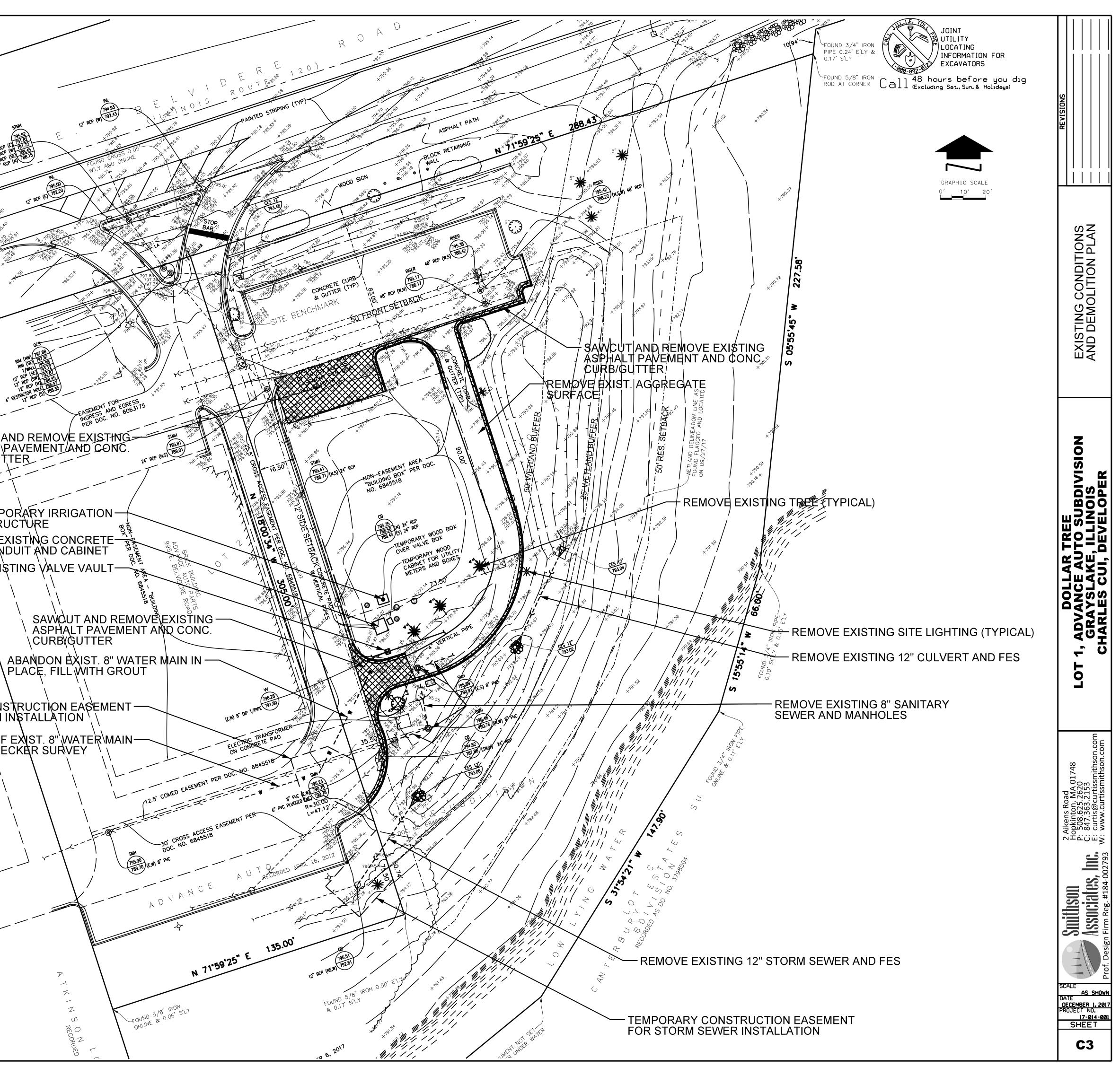
PAVING, CURB AND WALKS

- .WORK UNDER THIS SECTION SHALL INCLUDE FINAL SUBGRADE SHAPING AND PREPARATION: FORMING, JOINTING, PLACEMENT OF ROADWAY AND PAVEMENT BASE COURSE MATERIALS AND SUBSEQUENT BINDER AND/OR SURFACE COURSES: PLACEMENT, FINISHING AND CURING OF CONCRETE: FINAL CLEAN-UP; AND ALL RELATED WORK.
- 2.SUBGRADE FOR PROPOSED PAVEMENT SHALL BE FINISHED BY THE EXCAVATION CONTRACTOR TO WITHIN 0.1-FT+/ OF PLAN ELEVATION. THE PAVING CONTRACTOR SHALL SATISFY HIMSELF THAT THE SUBGRADE HAS 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 AND ENGINEER IN WRITING PRIOR TO FINE GRADING FOR BASE COURSE CONSTRUCTION. IT IS UNDERSTOOD THAT HE HAS APPROVED AND ACCEPTS THE RESPONSIBILITY FOR THE SUBGRADE. PRIOR TO PLACEMENT OF PAVEMENT BASE MATERIALS, THE PAVING CONTRACTOR SHALL FINE GRADE THE SUBGRADE SO AS TO INSURE THE PROPER THICKNESS OF PAVEMENT COURSES. NO CLAIMS FOR EXCESS TONNAGE OF BASE MATERIALS DUE TO IMPROPER SUBGRADE PREPARATION WILL
- 3. THE PROPOSED PAVEMENT SHALL CONSIST OF THE SUB-BASE COURSE. BASE COURSE, BITUMINOUS CONCRETE BINDER COURSE, AND BITUMINOUS CONCRETE SURFACE COURSE. CLASS I OF THE THICKNESS OF MATERIALS AND SPECIFIED ON THE CONSTRUCTION PLANS. A BITUMINOUS MATERIAL PRIME COAT OF THE TYPE AND AT THE RATE SPECIFIED ON THE CONSTRUCTION PLANS SHALL BE APPLIED TO THE SUB-BASE COURSE. UNLESS SHOWN AS A BID ITEM. PRIME COAT SHALL BE CONSIDERED AS INCIDENTAL TO THE COST OF THE CONTRACT. ALL PAVEMENT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION". LATEST EDITION.
- 1.THE HOT-MIX ASPHALT (HMA) SURFACE COURSE SHALL BE N50, IL9.5L AND HOT-MIX ASPHALT BINDER COURSE SHALL BE N50, 119.0L AS SPECIFIED IN SECTION 1030 OF THE I.D.O.T. STANDARD SPECIFICATIONS. THE CONTRACTOR SHALL SUBMIT A HMA MIX DESIGN TO THE ENGINEER PRIOR TO THE INSTALLATION OF THE HMA MIX.
- WHEN PLACING THE BASE MATERIAL BETWEEN CURBS, THE CONTRACTOR SHALL EITHER MARK (WITH PAINT) ON THE FACE OF THE CURB FLAG THE SURFACE LEVEL OF THE BASE MATERIAL AT 50-FT INTERVALS. OF USE A GUIDE SHOWN ON THE GRADER. THE PURPOSE FOR THIS IS TO PROVIDE A CONTROLLABLE GUIDE FOR THE SURFACE ELEVATION OF THE BASE MATERIAL AND TO INSURE SUFFICIENT DEPTH ALONG FACE OF CURB FLAG FOR THE REQUIRED WEARING SURFACE THICKNESS.
- 7.AFTER THE INSTALLATION OF THE BASE COURSE, ALL TRAFFIC SHALL BE KEPT OFF THE BASE UNTIL THE BINDER COURSE IS LAID. AFTER INSTALLATION OF THE BINDER COURSE (AND FOR PUBLIC IMPROVEMENTS AFTER THE BINDER COURSE HAS BEEN IN PLACE FOR ONE WINTER). AND UPON THE COMPLETION OF INSPECTION OF SAME AND APPROVAL BY THE VILLAGE AND OWNER, THE PAVEMENT SHALL BE CLEANED, PRIMED AND THE SURFACE COURSE LAID. ALL DAMAGED AREAS IN THE BINDER, BASE OR CURB AND GUTTER SHALL BE REPAIRED TO THE SATISFACTION OF THE VILLAGE AND OWNER, PRIOR TO LAYING THE SURFACE COURSE. THE PAVING CONTRACTOR SHALL PROVIDE WHATEVER EQUIPMENT AND MANPOWER IS NECESSARY. INCLUDING THE USE OF POWER BROOMS. TO PREPARE THE PAVEMENT FOR APPLICATION OF THE SURFACE COURSE. EQUIPMENT AND MANPOWER FOR CLEANING SHALL BE CONSIDERED AS INCIDENTAL TO THE COST OF THE CONTRACT. PRIME COAT FOR THE BINDER COURSE SHALL ALSO BE CONSIDERED AS INCIDENTAL TO THE COST OF THE CONTRACT AND SHALL BE APPLIED TO THE BINDER AT A RATE OF 0.05 GALLONS PER SQUARE YARD.
- 8.CURBS AND CURB/GUTTER SHALL BE OF THE TYPE AS DETAILED IN THE CONSTRUCTION PLANS. THE CONCRETE SHALL HAVE AN AIR CONTENT OF NOT LESS THAN 5% NOR MORE THAN 8% OF THE VOLUME OF CONCRETE. CONCRETE SHALL BE A MINIMUM BAG MIX AND SHALL DEVELOP A MINIMUM OF 3,500 PSI COMPRESSIVE STRENGTH AT 14 DAYS. CURB CONCRETE SHALL BE CLASS SI. ALL CURB SHALL BE BROOM FINISHED. THE CONTRACTOR IS CAUTIONED TO REFER TO THE CONSTRUCTION STANDARDS AND THE PAVEMENT CROSS-SECTION TO DETERMINE THE CURB THICKNESS AND THE AGGREGATE BASE COURSE THICKNESS BENEATH THE CURB AND WILL BE INCLUDED IN THE COST FOR PAVEMENT SUB-BASE.
- 9.EXPANSION JOINTS SHALL BE INSTALLED AT 250-FT TO 300-FT INTERVALS AND AT ALL P.C.'S. P.T.'S. CURB RETURNS. 5-FT EACH SIDE OF INLET WITHIN CURB AND GUTTER, AND AT THE END OF EACH POUR. ALTERNATE ENDS OF THE DOWEL BARDS SHALL BE GREASED AND FITTED WITH METAL EXPANSION TUBES. 3/4-INCH THICK FIBER EXPANSION JOINTS SHALL BE USED IN EVERY CASE WHERE THE SIDEWALK COINCIDES WITH THE CURB AND GUTTER. CONTRACTION JOINTS SHALL BE PROVIDED AT 15-FT INTERVALS IN THE CURB. THE COST OF THESE JOINTS SHALL BE CONSIDERED AS INCIDENTAL TO THE COST OF THE CONTRACT. ALL POURED IN PLACE CONCRETE CURB AND GUITER SHALL INCORPORATE TWO NO. 4 REINFORCING BARS 10-FT LONG INSTALLED WHEREVER THE CURB AND GUTTER CROSSES UTILITY SERVICE LINES. THE COST OF WHICH SHALL BE CONSIDERED INCIDENTAL TO COST OF CONCRETE CURB AND GUTTER.
- 10.CURING AND PROTECTION OF ALL EXPOSED CONCRETE SURFACES SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS. CURING COMPOUND SHALL BE TYPE III. NO HONEY-COMBING OF THE CURB AND GUTTER WILL BE ACCEPTED.
- 11.CURBS SHALL BE DEPRESSED AT LOCATIONS WHERE PUBLIC WALKS/PEDESTRIAN PATHS AND DRIVEWAYS INTERSECT CURB LINES AT STREET INTERSECTIONS AND OTHER LOCATIONS AS DIRECTED, FOR THE PURPOSE OF PROVIDING ACCESS BY THE HANDICAPPED. (SEE DETAILS)
- 12.SIDEWALKS SHALL BE OF THE THICKNESS AND DIMENSIONS AS SHOWN IN THE CONSTRUCTION PLANS. ALL SIDEWALK CONCRETE SHALL BE CLASS SI. CONTRACTION JOINTS SHALL BE SET AT 5-FT CENTERS. AND 1/2-INCH PREMOULDED FIBER EXPANSION JOINTS AT 50' SPACINGS. PROPERTY LINES AND WHERE THE SIDEWALK MEETS THE CURB, A BUILDING O ANOTHER SIDEWALK. OR AT THE END OF EACH POUR. ALL SIDEWALKS CONSTRUCTED OVER UTILITY TRENCHES SHALL BE REINFORCED WITH THREE NO. 5 REINFORCING BARS (10-FOOT MINIMUM LENGTH). ALL SIDEWALKS CROSSING DRIVEWAYS SHALL BE MINIMUM 6-INCHES THICK. ALL SIDEWALKS SHALL BE BROOM FINISHED.
- 13.BACKFILLING OF CURBS OR PAVEMENT SHALL BE THE RESPONSIBILITY OF THE EARTHWORK CONTRACTOR.
- 14.IT SHALL BE THE RESPONSIBILITY OF THE PAVING CONTRACTOR TO REMOVE FROM THE SITE ANY AND ALL MATERIALS AND DEBRIS WHICH RESULT FORM HIS CONSTRUCTION OPERATIONS AT NO ADDITIONAL EXPENSE TO THE OWNERS.
- 15. TESTING OF THE SUB-BASE, BASE COURSE, BINDER COURSE, SURFACE COURSE, AND CONCRETE WORK SHALL BE REQUIRED IN ACCORDANCE WITH THE ILLINOIS DEPARTMENT OF TRANSPORTATION. "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", LATEST EDITION, AND IN ACCORDANCE WITH THE SPECIFIC REQUIREMENTS OF THE VILLAGE. A QUALIFIED TESTING FIRM SHALL BE EMPLOYED BY THE CONTRACTOR TO PERFORM THE REQUIRED TESTS AND PROVIDE RESULTS TO THE OWNERS ENGINEER AND THE VILLAGE ENGINEER.
- 16.PAINTED PAVEMENT MARKINGS AND SYMBOLS OF THE TYPE AND COLOR AS NOTED ON THE CONSTRUCTION PLANS, SHALL BE INSTALLED IN ACCORDANCE WITH SECTION T-502 OF STANDARD SPECIFICTIONS FOR TRAFFIC CONTROL ITEMS WITHIN THE PARKING LOT AND WHEREVER ELSE SHOWN ON-SITE ON THE PLANS. PAINTED PAVEMENT MARKINGS AND SYMBOLS SHALL BE INSTALLED ONLY WHEN THE AMBIENT AIR TEMPERATURE IS 40 DEG. FAHRENHEIT AND THE FORECAST CALLS FOR RISING TEMPERATURES. - 4-INCH PAINTED YELLOW STRIPING SHALL BE USED FOR PARKING STALLS - HANDICAPPED STALLS SHALL BE STRIPED IN ACCORDANCE WITH ADA
- GUIDELINES INCLUDING SYMBOL AND PROPER SIGNAGE. 17.ALL PAVING. SIDEWALK AND CURB/GUTTER WORK SHALL BE DONE IN ACCORDANCE WITH IDOT STANDARD SPECIFICATIONS.
- 18.ALL ACCESSIBLE PARKING SHALL BE STRIPED AND SIGNED IN ACCORANCE WITH ILLINOIS ACCESSIBILITY CODE (I.A.C.) AND ANY OTHER APPLICABLE A.D.A. GUIDELINES.



SHEET

NOTES: 1. ALL ITEMS NOTED AND SHOWN IN BOLD PRINT TO BE REMOVED. 2. SURVEY BACKGROUND FROM "BOUNDARY & TOPOGRAPHIC SURVEY, LOT 1 IN ADVANCE AUTO RESUBDIVISION, GRAYSLAKE, ILLINOIS" BY SIGHT ON SOLUTIONS, INC., LATEST REVISON 09/28/17. 12" RCP (E) SAWCUTAND REMOVE EXISTING ASPHALT PAVEMENT AND CONC. CURB/GUTTER REMOVE TEMPORARY IRRIGATION -\CONTROL STRUCTURE REMOVE EXISTING CONCRETE REMOVE EXISTING VALVE VAULT-RO OF Z



NOTES: DENOTED ON PLAN BY (#)

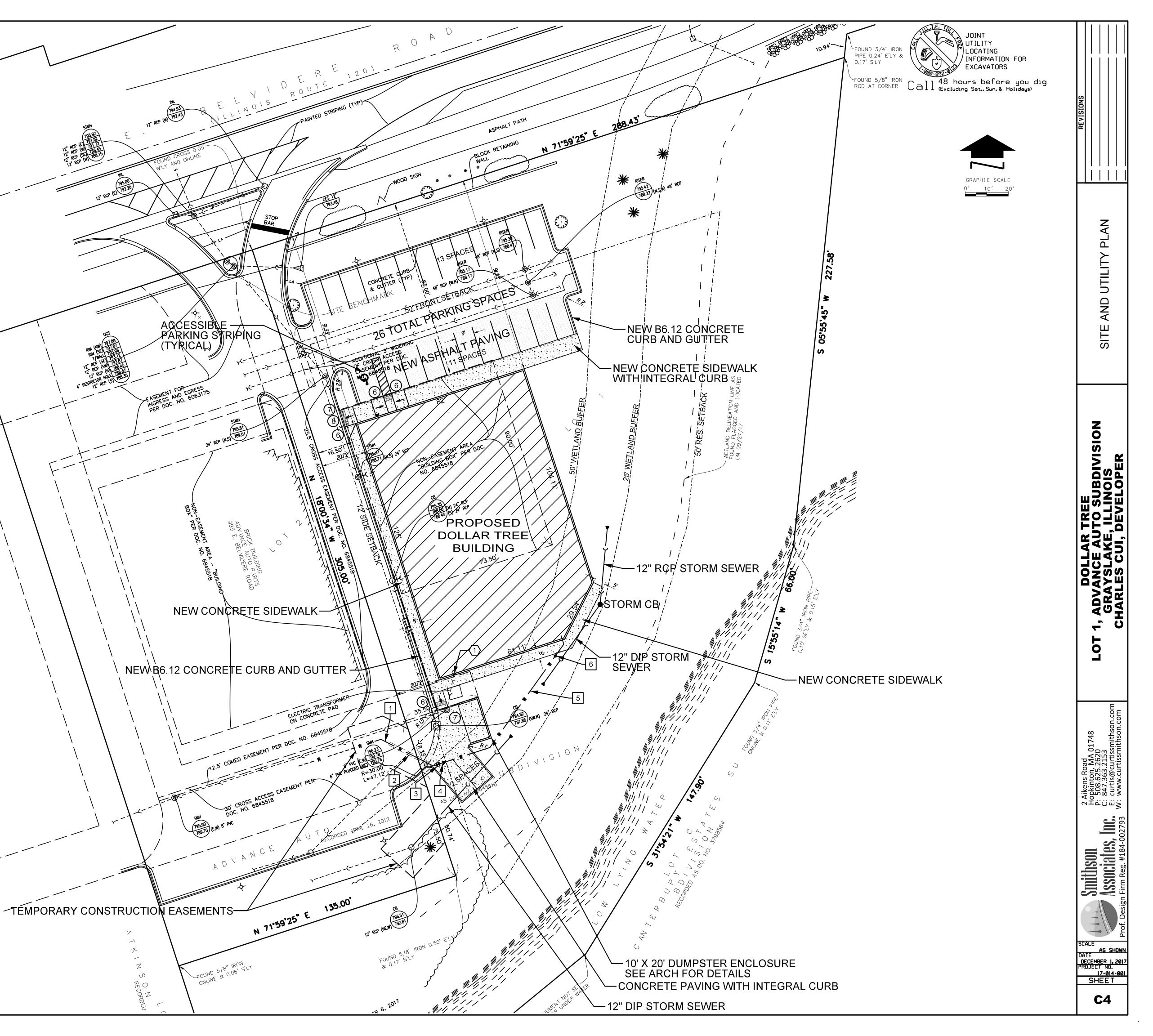
- 1. SEE ARCHITECTURAL SITE PLAN FOR BUILDING DETAILS AND ZONING REQUIREMENTS TABULATION.
- 2. WATER AND SANITARY SEWER MATERIALS AND INSTALLATION SHALL BE IN ACCORDANCE WITH SPECIFICATIONS ON SHEET C2, UNLESS SUPERSEDED BY VILLAGE REQUIREMENTS.
- 3. ALL WATERMAIN TO BE CONSTRUCTED OF DUCTILE IRON PIPING (DIP) CLASS 52 AT 5.5' MINIMIM DEPTH TO TOP OF PIPE.
- 4. SEE GRADING AND DRAINAGE PLAN FOR STORM SEWER CONSTRUCTION DETAILS.
- 5. SEE MEP PLANS FOR CONTINUATION OF UTILITIES INSIDE BUILDING.
- 6. 6 LF TRANSITION CURB HEIGHT FROM 0" TO 6".
- 7. 1 LF TRANSITION CURB HEIGHT FROM 0" TO 6".
- 8. SAWCUT EXISTING CURB FOR RAMP CONSTRUCTION.

SANITARY SEWER NOTES: DENOTED ON PLAN BY (#)

(1) CONNECT BLDG SAN SEWER SERVICE TO EXIST. 6" SAN SEWER STUB-OUT, INSTALL EXTERIOR CLEANOUT

WATER SYSTEM NOTES: DENOTED ON PLAN BY

- 1 35 LF 8" DIP WATER MAIN
- 2 20 LF 18" DIA STEEL CASING
- 3 VALVE VAULT
- 4 8X2 RED
- 5 85 LF 2" COPPER WATER SERVICE
- 6 BUFFALO BOX



NOTES: DENOTED ON PLAN BY (#)

- 1. REINFORCED CONCRETE PIPE (CLASS IV) AND DUCTILE IRON PIPE (CLASS 52) SHALL BE CONSIDERED "HEAVY-DUTY" PIPING AND SHALL BE INSTALLED WHERE PIPE COVER IS LESS THAN THREE FEET.
- 2. 6 LF TRANSITION CURB HEIGHT FROM 0" TO 6".
- 3. 1 LF TRANSITION CURB HEIGHT FROM 0" TO 6".
- 4. SAWCUT EXISTING CURB FOR RAMP CONSTRUCTION.
- 5. SPOT ELEVATIONS SHOWN ARE AT FINISHED SURFACE.
- 6. "M.E.G." SHOWN ON PLAN DENOTES "MATCH EXISTING GRADE".

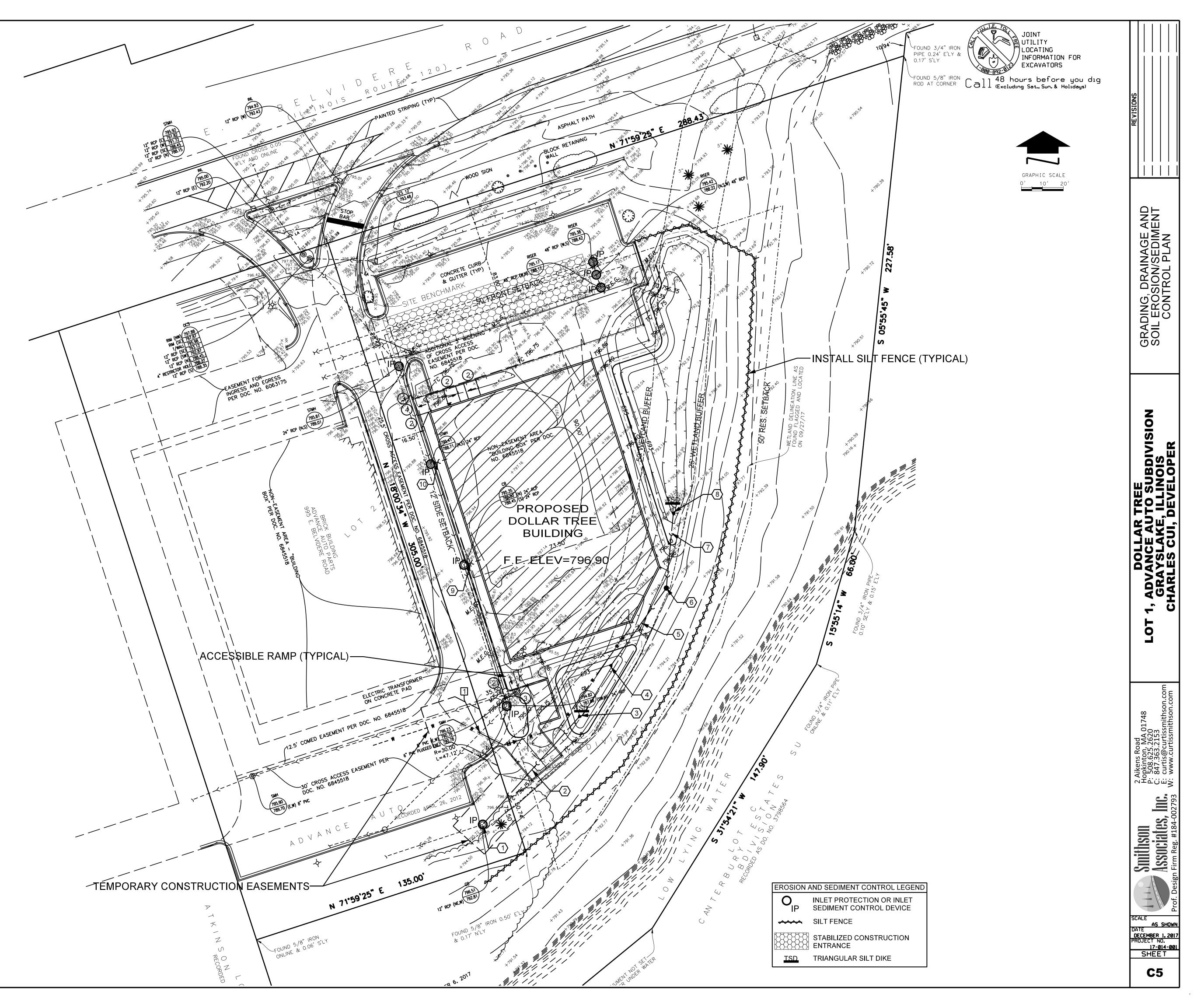
STORM SEWER NOTES: DENOTED ON PLAN BY (#)

(1) CONNECT TO EXISTING CB, INV=792.81

- 2 68 LF 12" DIP CL52 WATERMAIN QUALITY STORM @S=0.22%
- (3) 12" RCP FES, INV=792.96
- 4 12" RCP FES, INV=792.96
- 5 44 LF 12" DIP CL52 WATERMAIN QUALITY STORM @S=0.00%
- 6 CATCH BASIN, TYPE C, INV=792.96, RIM=696.00
- (7) 35 LF 12" RCP STORM @S=0.00%
- 8 12" RCP FES, INV=792.96
- 9 6 LF 6" PVC ROOF DRAIN @ S=1.00% MIN.
- (10) 6 LF 6" PVC ROOF DRAIN @ S=1.000 € NOTED ON PLAN BY #

UTILITY CROSSINGS

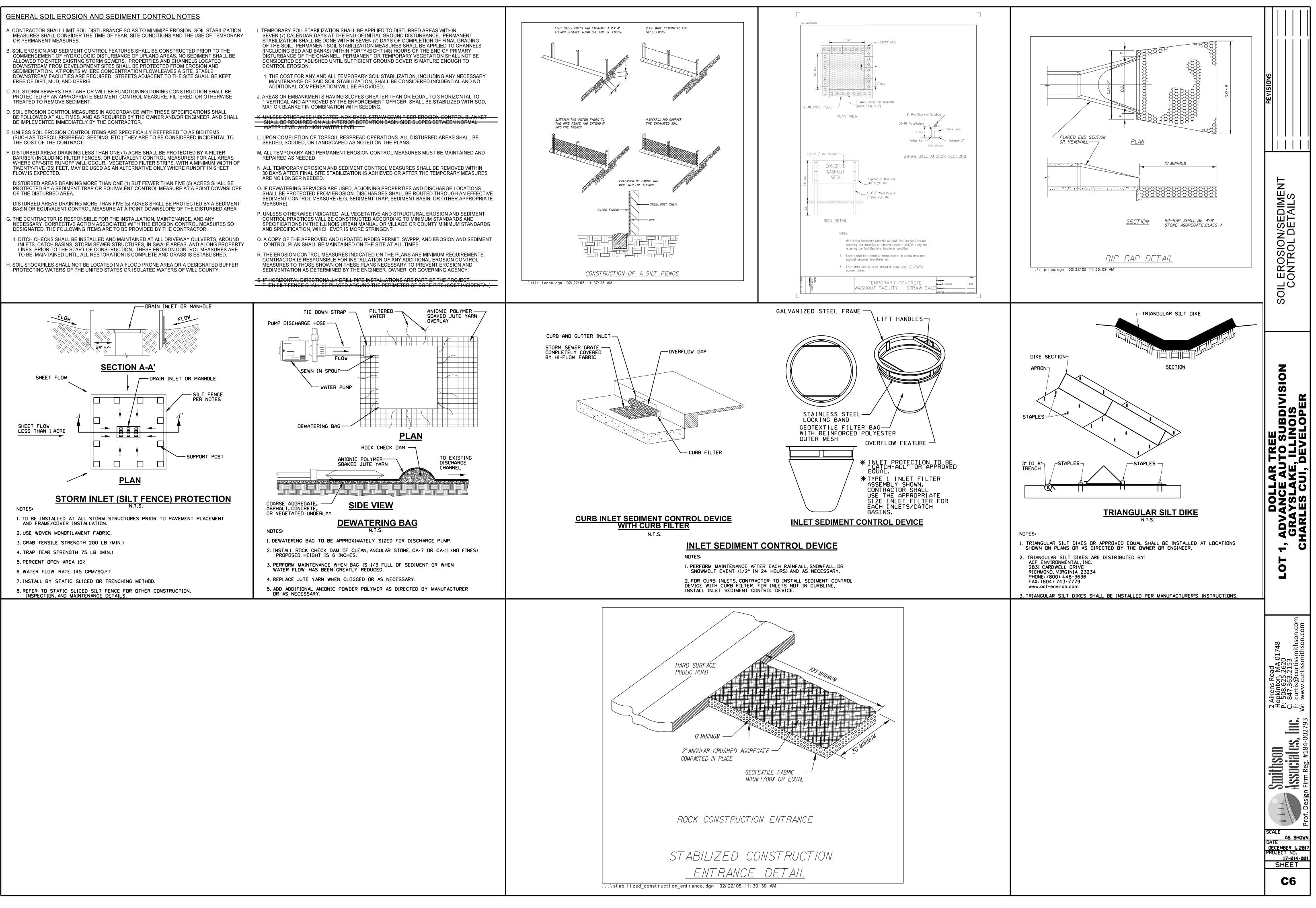
1 24" RCP STORM, INV=787.88 8" DIP WATER, TOP= 785.88

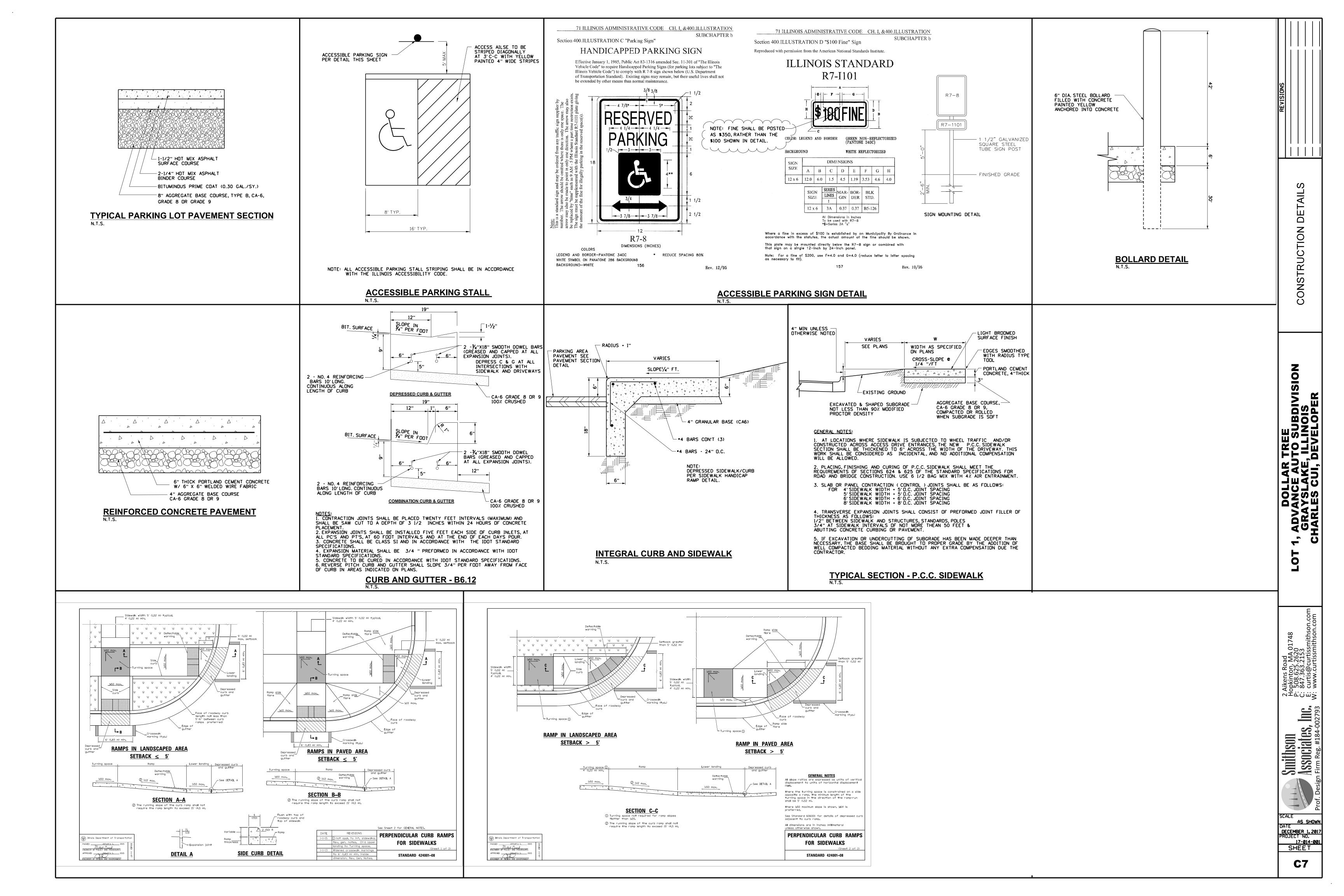


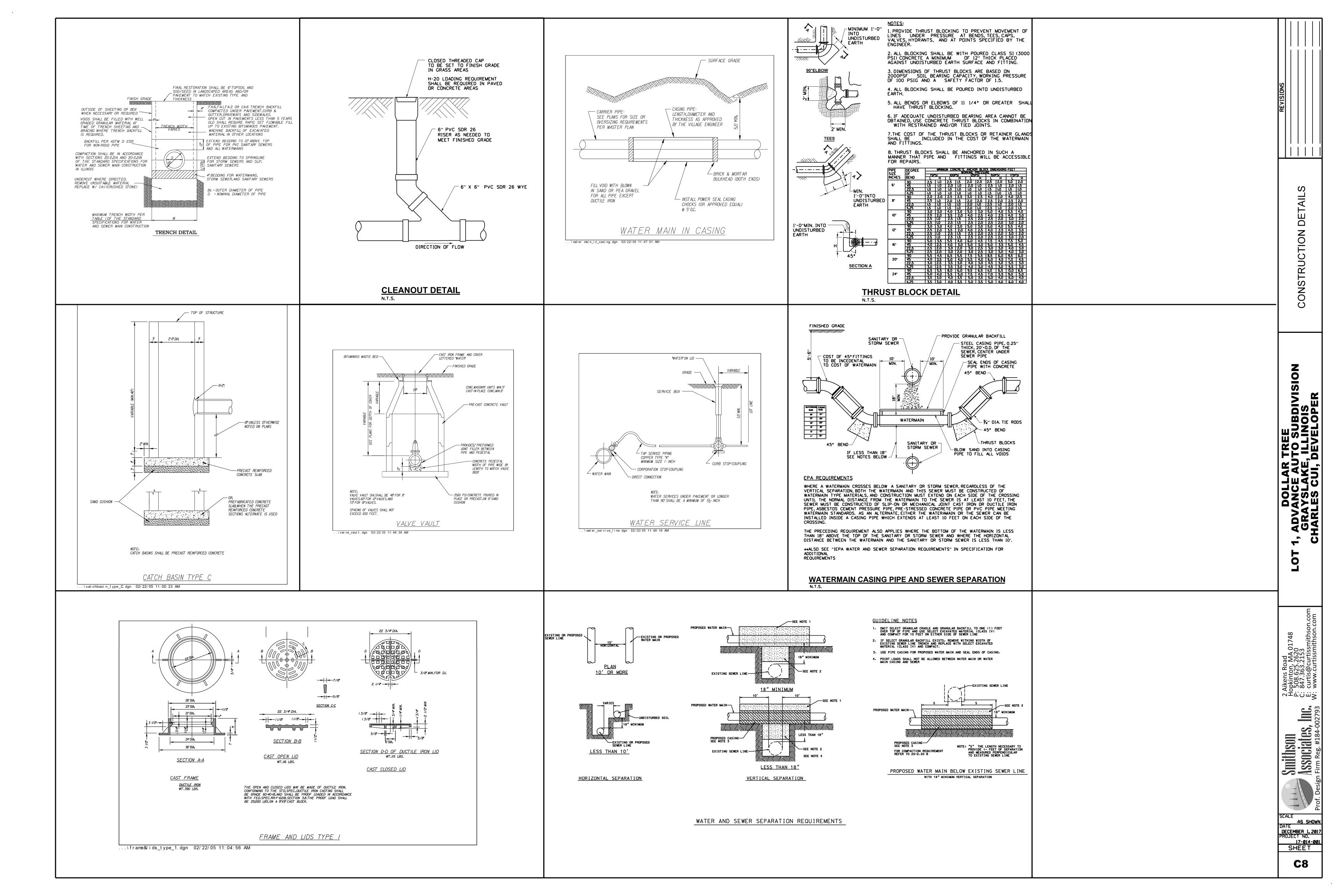
GENERAL SOIL EROSION AND SEDIMENT CONTROL NOTES

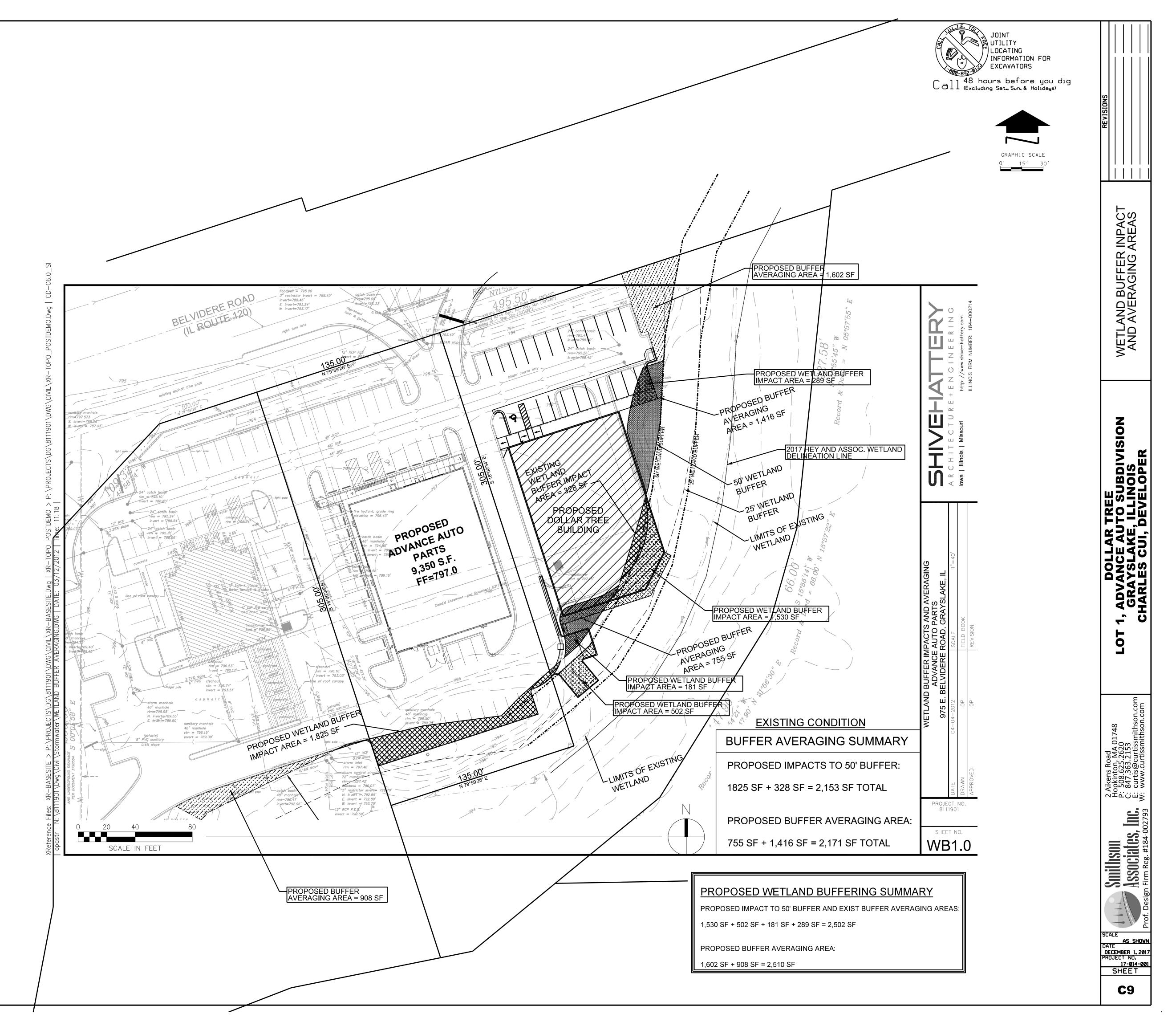
- ALLOWED TO ENTER EXISTING STORM SEWERS. PROPERTIES AND CHANNELS LOCATED DOWNSTREAM FROM DEVELOPMENT SITES SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION. AT POINTS WHERE CONCENTRATION FLOW LEAVES A SITE, STABLE DOWNSTREAM FACILITIES ARE REQUIRED. STREETS ADJACENT TO THE SITE SHALL BE KEPT
- C. ALL STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED BY AN APPROPRIATE SEDIMENT CONTROL MEASURE, FILTERED, OR OTHERWISE TREATED TO REMOVE SEDIMENT.
- BE IMPLEMENTED IMMEDIATELY BY THE CONTRACTOR.
- THE COST OF THE CONTRACT.
- TWENTY-FIVE (25) FEET, MAY BE USED AS AN ALTERNATIVE ONLY WHERE RUNOFF IN SHEET FLOW IS EXPECTED.
- OF THE DISTURBED AREA.
- DESIGNATED, THE FOLLOWING ITEMS ARE TO BE PROVIDED BY THE CONTRACTOR.
- LINES PRIOR TO THE START OF CONSTRUCTION. THESE EROSION CONTROL MEASURES ARE TO BE MAINTAINED UNTIL ALL RESTORATION IS COMPLETE AND GRASS IS ESTABLISHED.
- PROTECTING WATERS OF THE UNITED STATES OR ISOLATED WATERS OF WILL COUNTY.

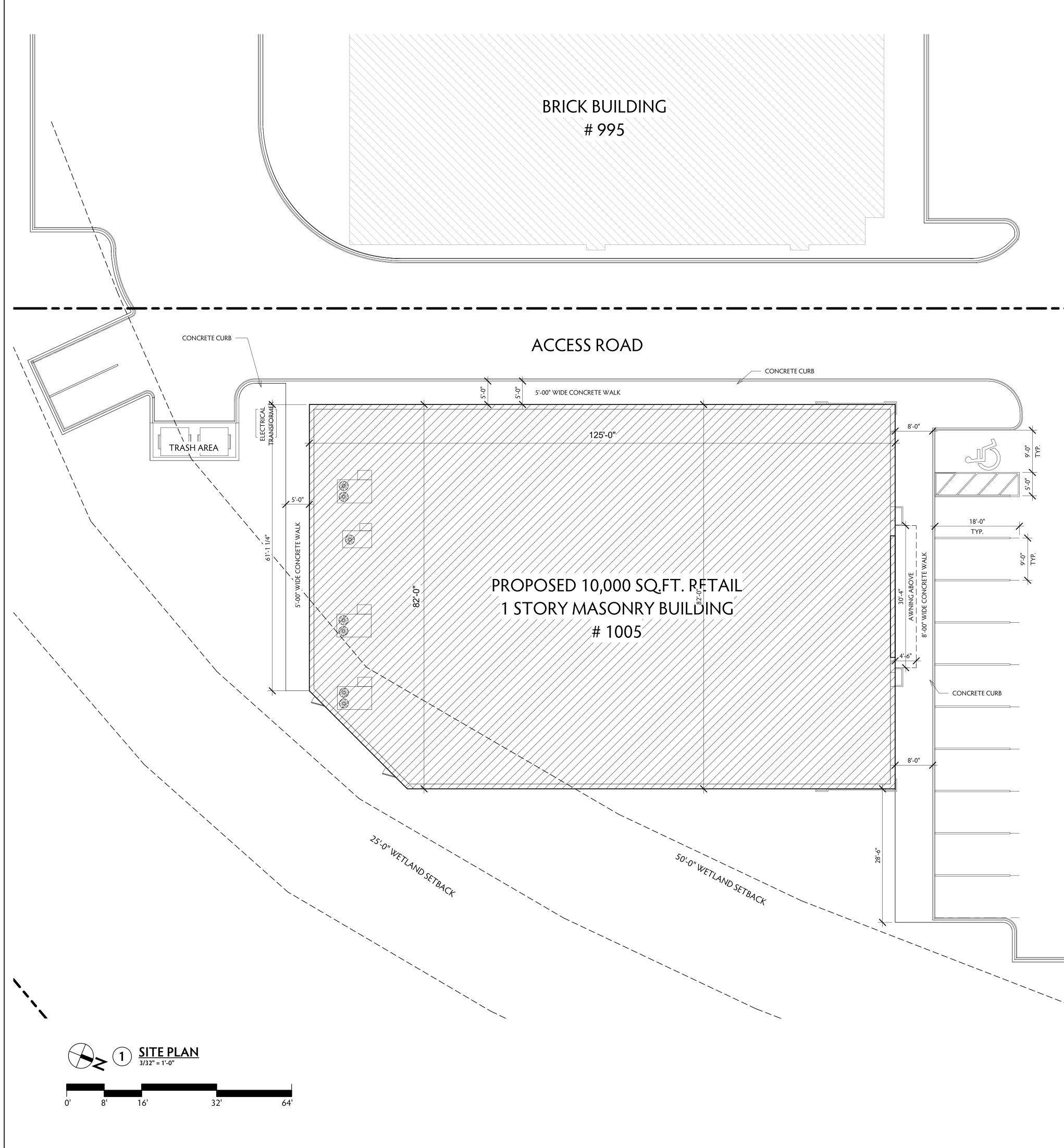
- CONTROL EROSION.
- ADDITIONAL COMPENSATION WILL BE PROVIDED.
- MAT OR BLANKET IN COMBINATION WITH SEEDING.
- SEEDED, SODDED, OR LANDSCAPED AS NOTED ON THE PLANS.
- REPAIRED AS NEEDED.
- AND SPECIFICATION, WHICH EVER IS MORE STRINGENT.

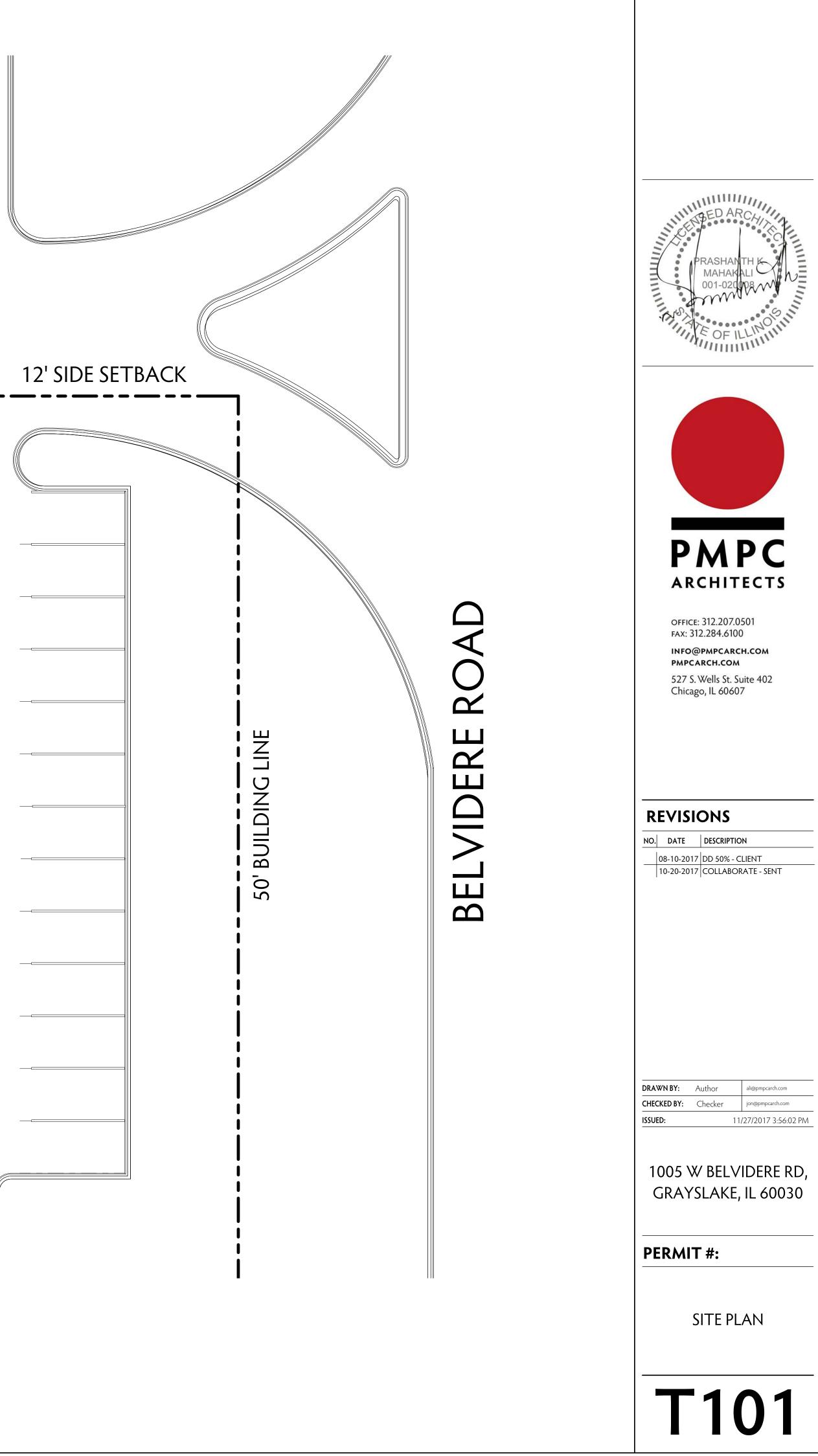




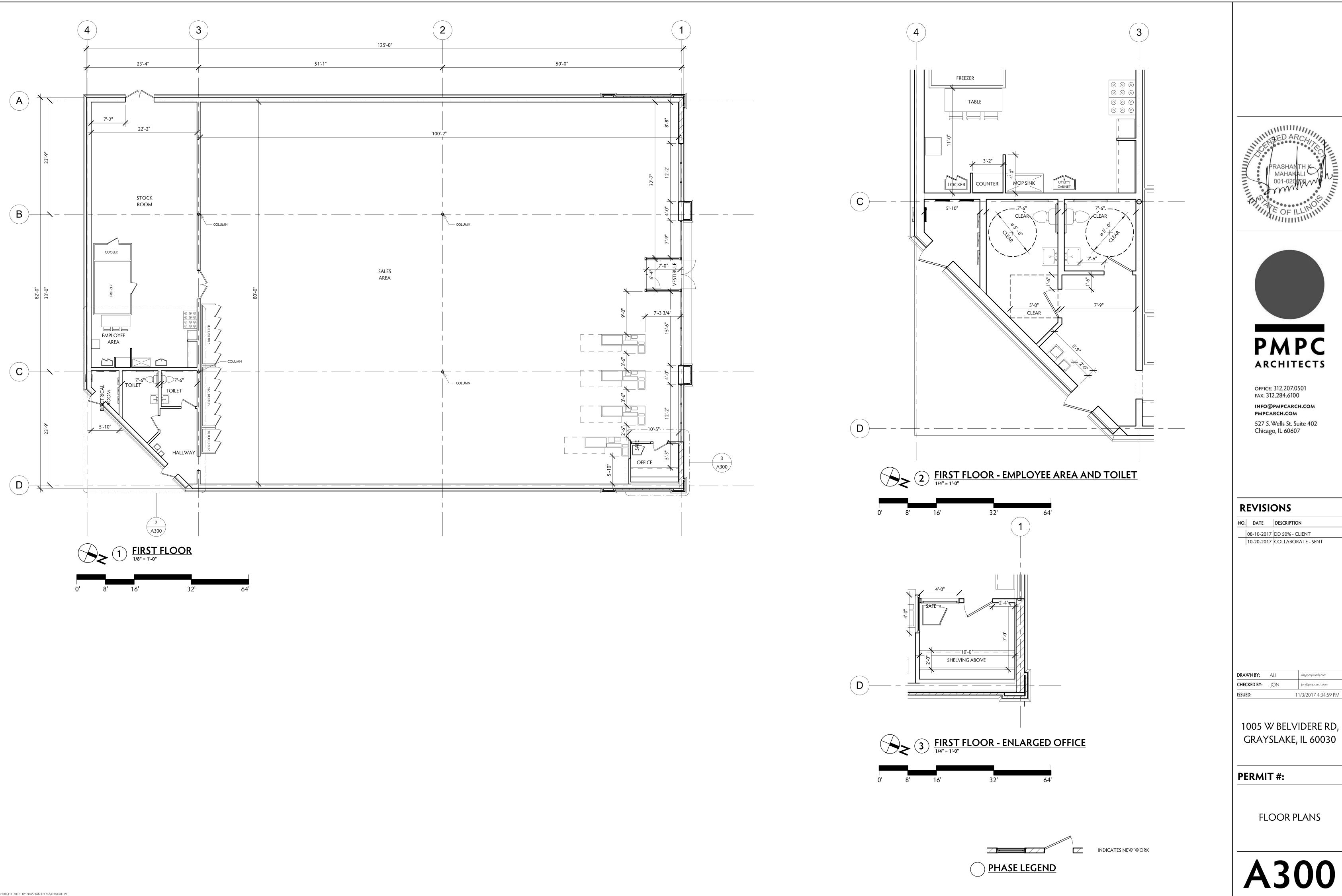


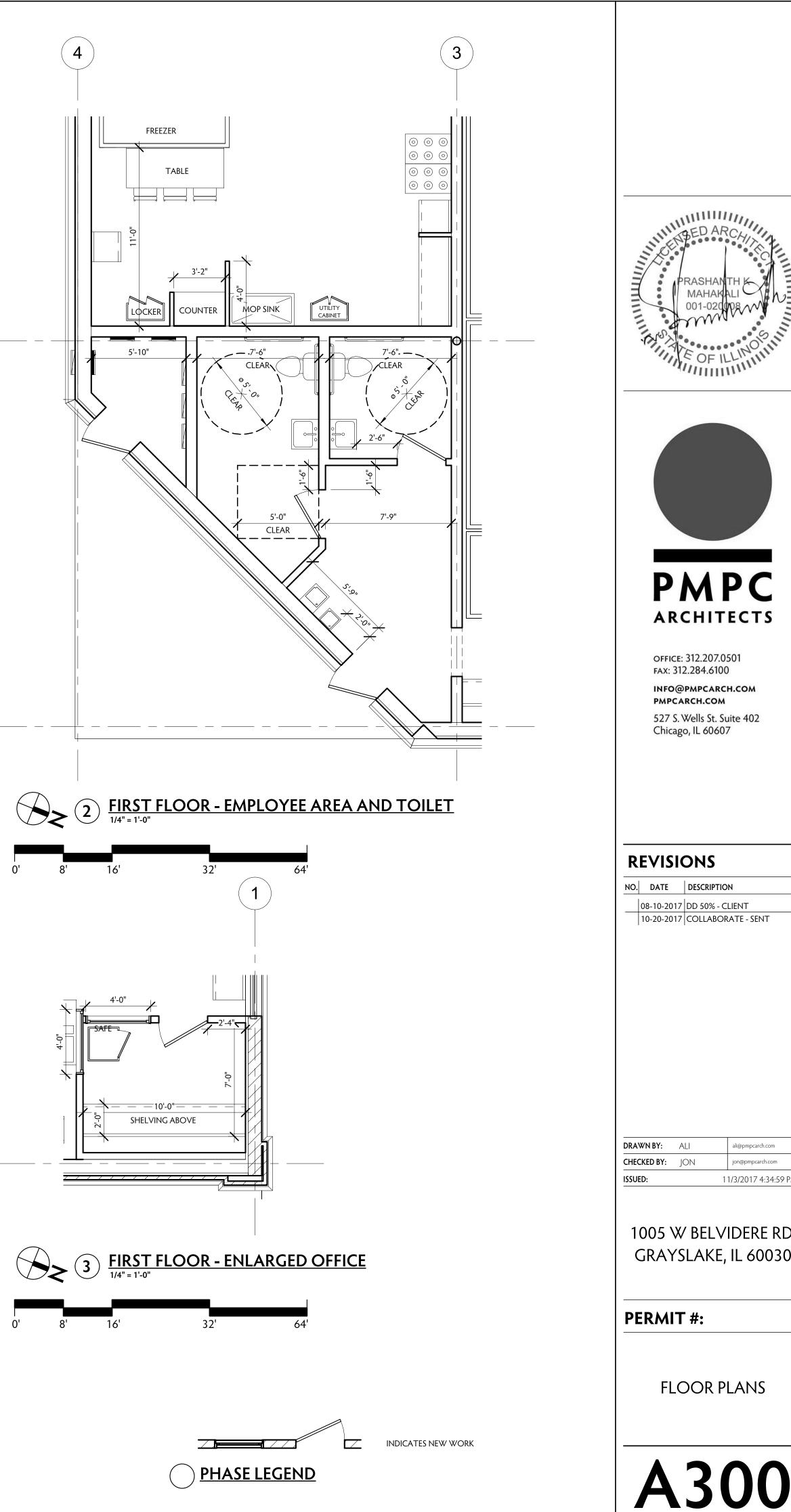


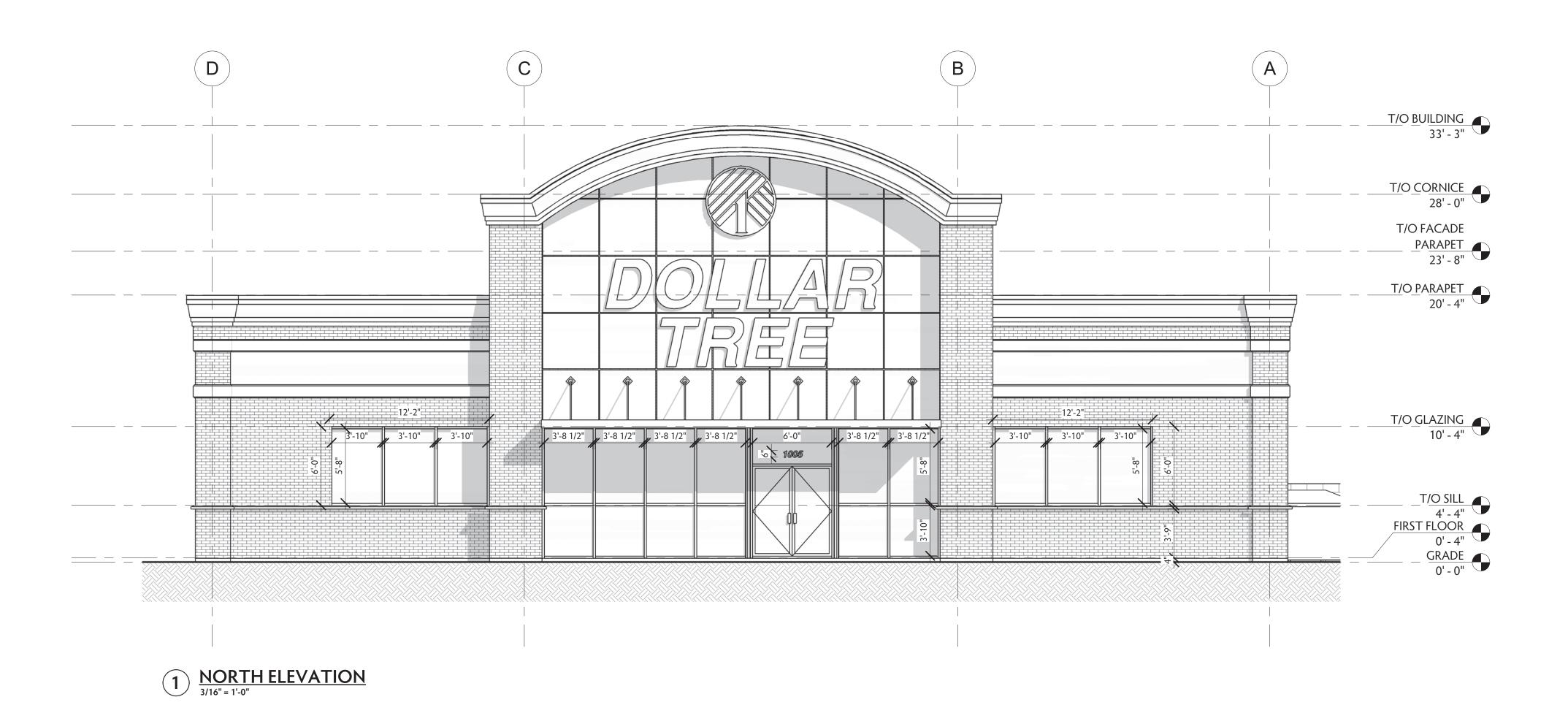


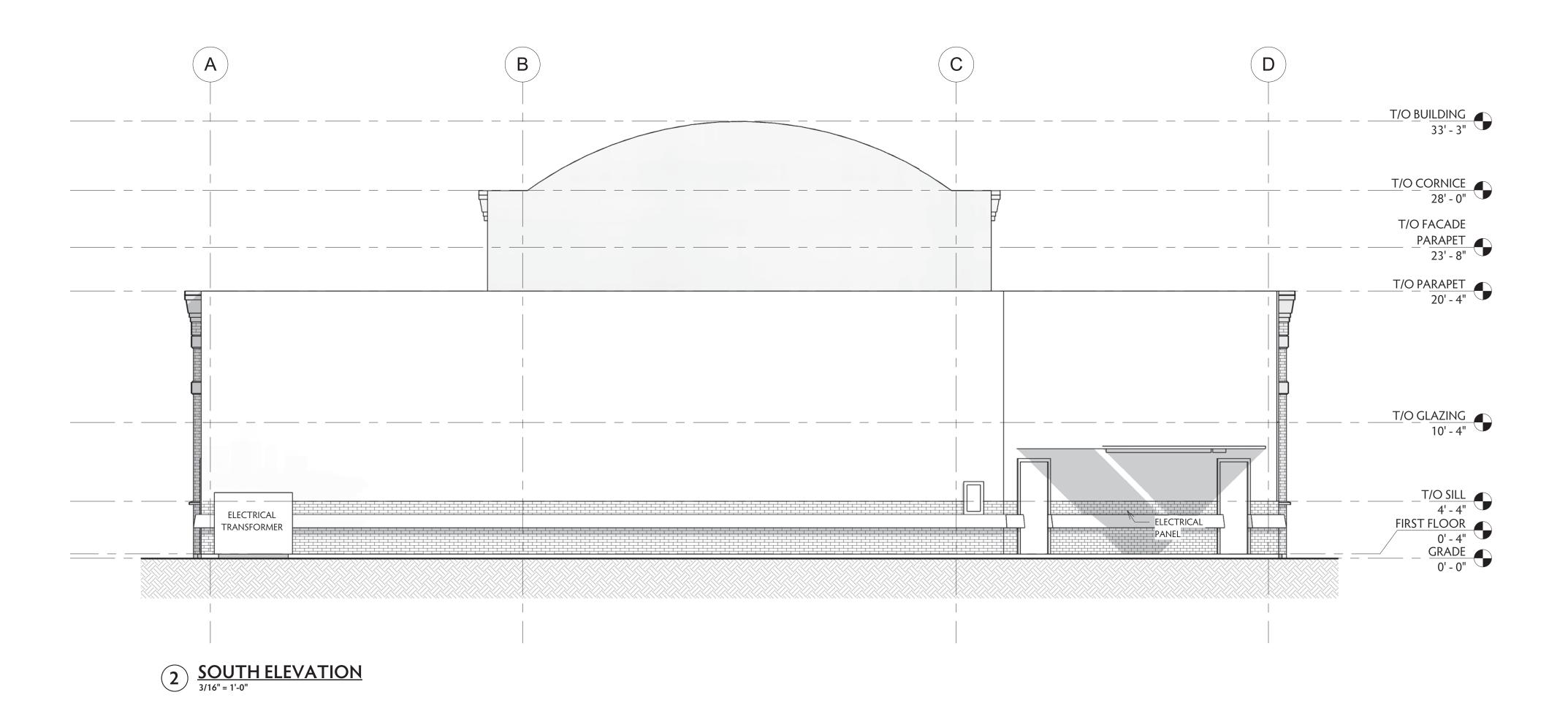


ES SP PARKING 24

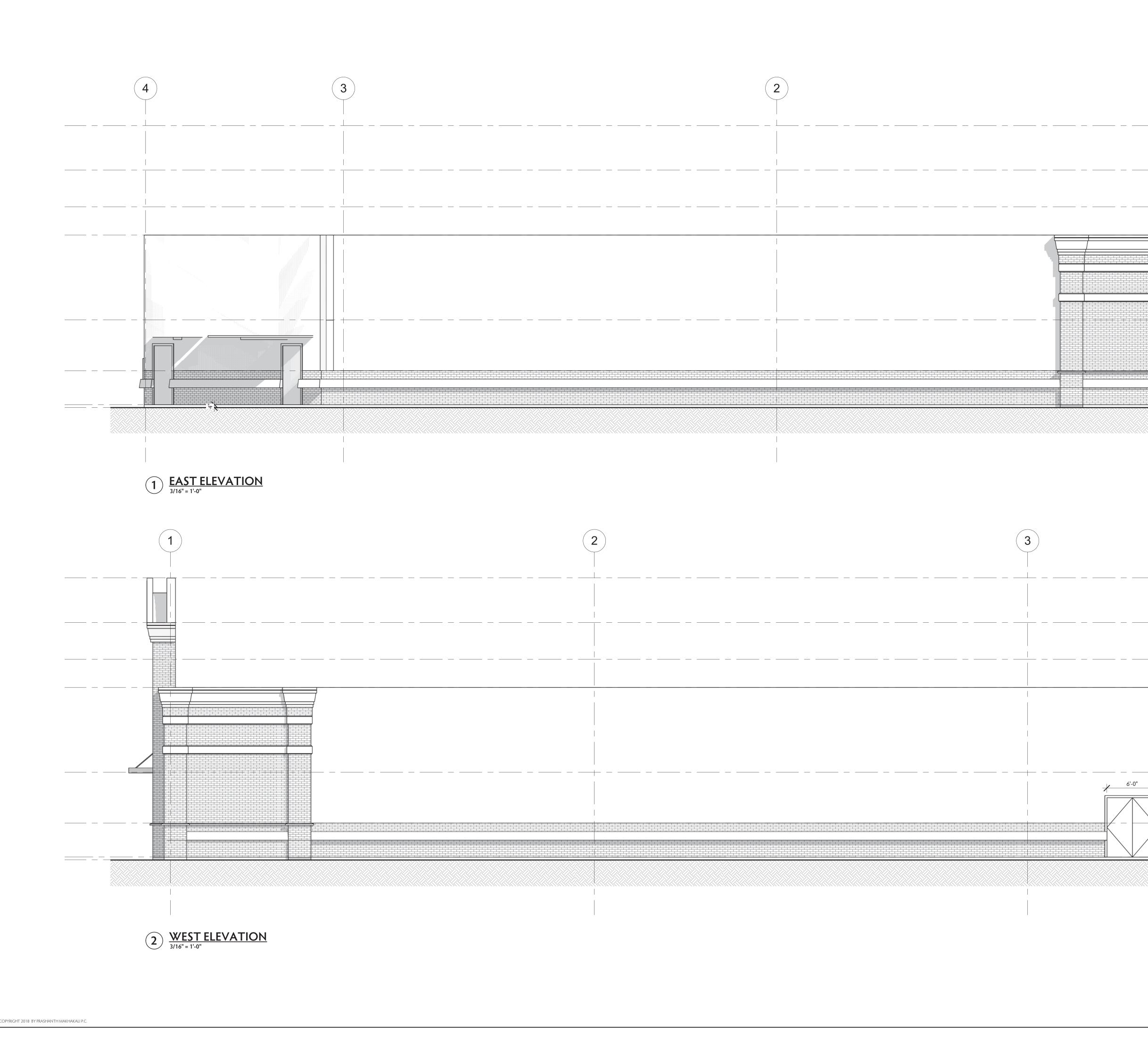


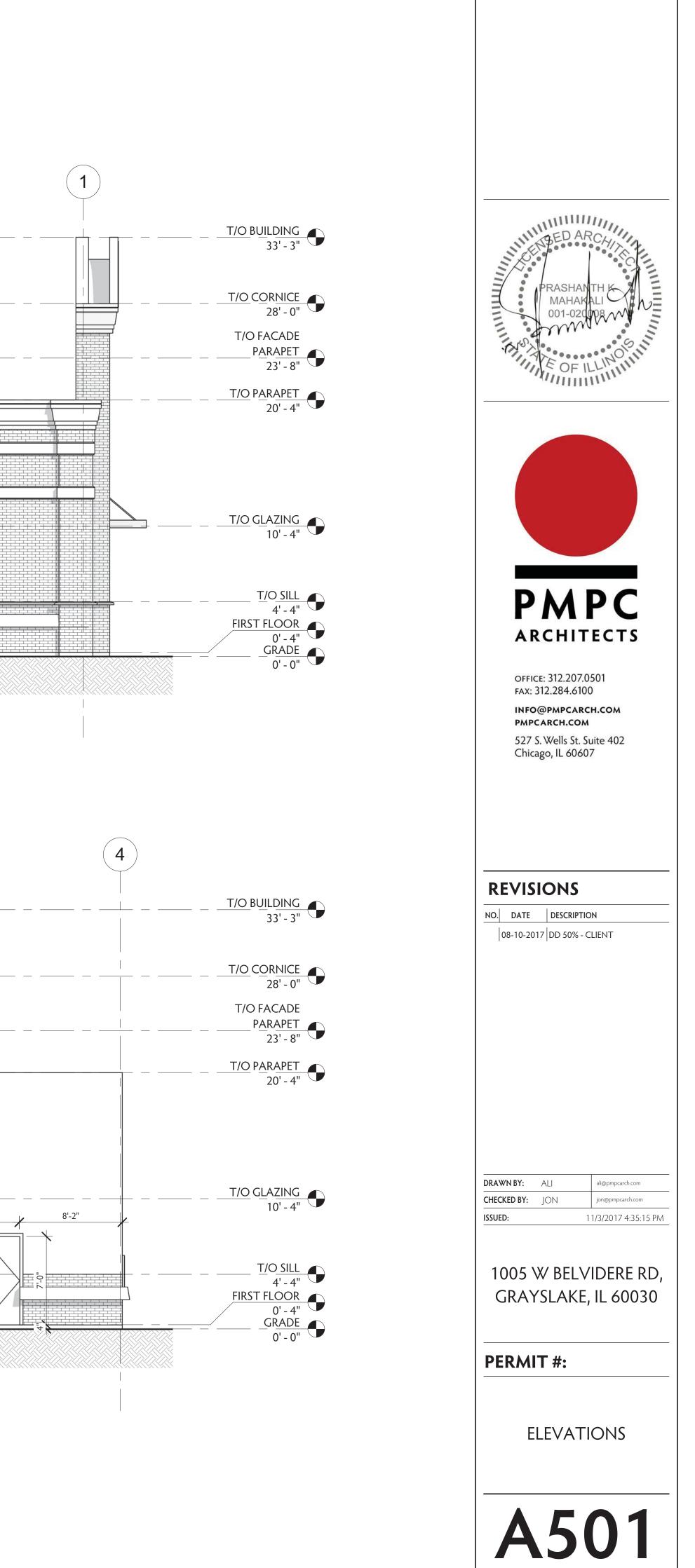


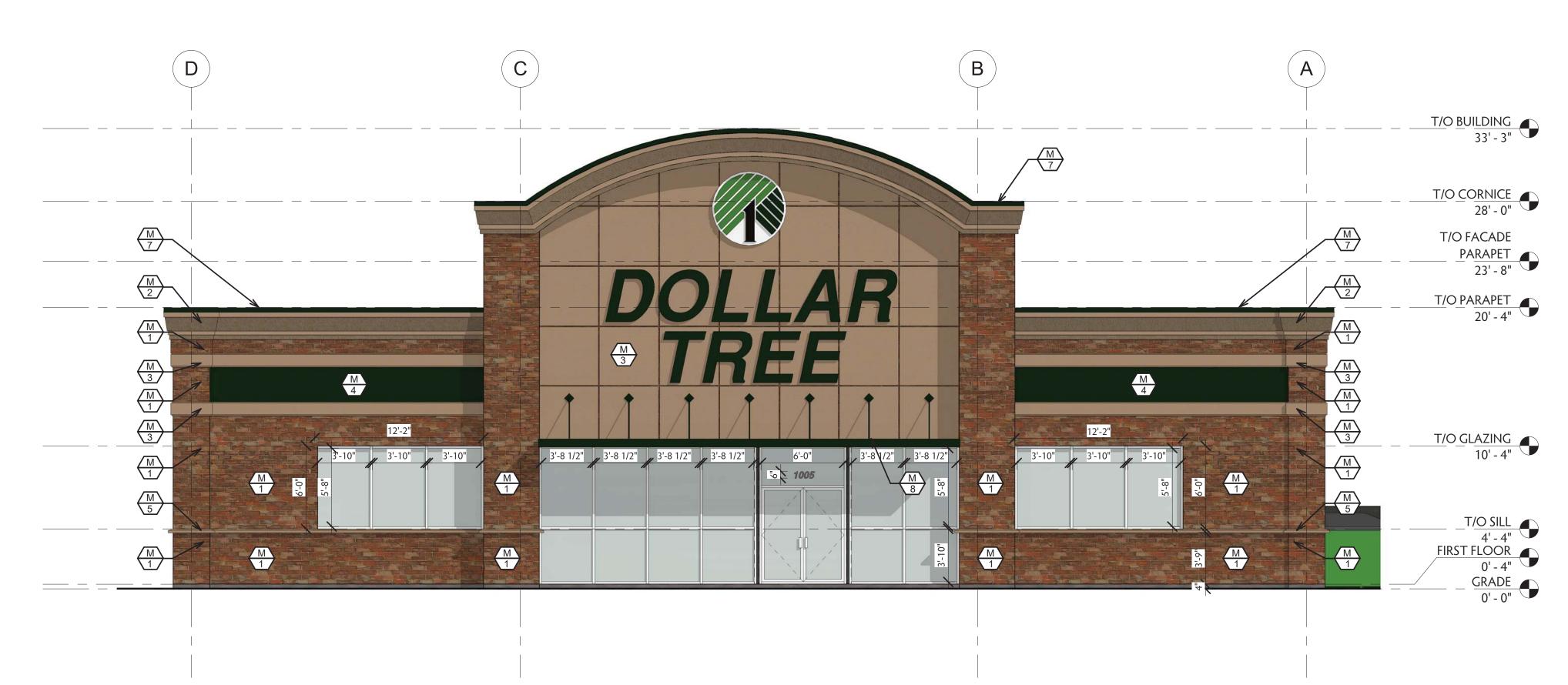




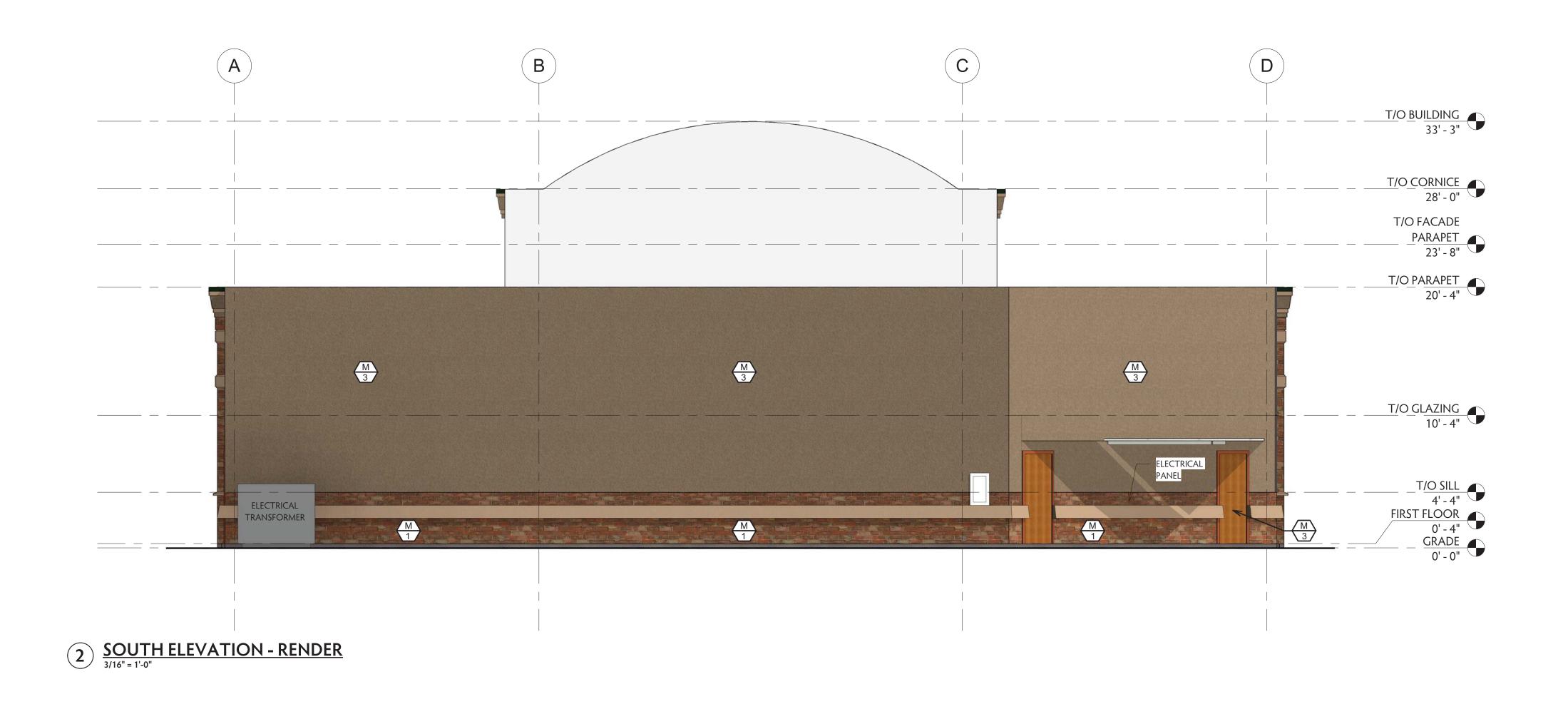
	SED ARCHING
	MAHAKALI 001 02000
	m
ARCHITECTS Price: 312.207.0501 FAX: 312.284.6100 INFO@PMPCARCH.COM PMPCARCH.COM S27 S. Wells St. Suite 402 Chicago, IL 60607 REVISIONS NO. DATE DESCRIPTION 08-10-2017 DD 50% - CLIENT DRAWN BY: ALI alignmparch.com CHECKED BY: JON prigemparch.com SUED: 11/3/2017 4:35.09 PM 1005 W BELVIDERE RD, GRAYSLAKE, IL 600330 PERMIT #: ELEVATIONS	E OF ILLINO
ARCHITECTS Price: 312.207.0501 FAX: 312.284.6100 INFO@PMPCARCH.COM PMPCARCH.COM S27 S. Wells St. Suite 402 Chicago, IL 60607 REVISIONS NO. DATE DESCRIPTION 08-10-2017 DD 50% - CLIENT DRAWN BY: ALI alignmparch.com CHECKED BY: JON prigemparch.com SUED: 11/3/2017 4:35.09 PM 1005 W BELVIDERE RD, GRAYSLAKE, IL 600330 PERMIT #: ELEVATIONS	
ARCHITECTS Price: 312.207.0501 FAX: 312.284.6100 INFO@PMPCARCH.COM PMPCARCH.COM S27 S. Wells St. Suite 402 Chicago, IL 60607 REVISIONS NO. DATE DESCRIPTION 08-10-2017 DD 50% - CLIENT DRAWN BY: ALI alignmparch.com CHECKED BY: JON prigemparch.com SUED: 11/3/2017 4:35.09 PM 1005 W BELVIDERE RD, GRAYSLAKE, IL 600330 PERMIT #: ELEVATIONS	
ARCHITECTS Price: 312.207.0501 FAX: 312.284.6100 INFO@PMPCARCH.COM PMPCARCH.COM S27 S. Wells St. Suite 402 Chicago, IL 60607 REVISIONS NO. DATE DESCRIPTION 08-10-2017 DD 50% - CLIENT DRAWN BY: ALI alignmparch.com CHECKED BY: JON prigemparch.com SUED: 11/3/2017 4:35.09 PM 1005 W BELVIDERE RD, GRAYSLAKE, IL 600330 PERMIT #: ELEVATIONS	
ARCHITECTS Price: 312.207.0501 FAX: 312.284.6100 INFO@PMPCARCH.COM PMPCARCH.COM S27 S. Wells St. Suite 402 Chicago, IL 60607 REVISIONS NO. DATE DESCRIPTION 08-10-2017 DD 50% - CLIENT DRAWN BY: ALI alignmparch.com CHECKED BY: JON progenerach.com SUED: 11/3/2017 4:35.09 PM 1005 W BELVIDERE RD, GRAYSLAKE, IL 600330 PERMIT #: ELEVATIONS	
ARCHITECTS Price: 312.207.0501 FAX: 312.284.6100 INFO@PMPCARCH.COM PMPCARCH.COM S27 S. Wells St. Suite 402 Chicago, IL 60607 REVISIONS NO. DATE DESCRIPTION 08-10-2017 DD 50% - CLIENT DRAWN BY: ALI alignmparch.com CHECKED BY: JON progenerach.com SUED: 11/3/2017 4:35.09 PM 1005 W BELVIDERE RD, GRAYSLAKE, IL 600330 PERMIT #: ELEVATIONS	
ARCHITECTS Price: 312.207.0501 FAX: 312.284.6100 INFO@PMPCARCH.COM PMPCARCH.COM S27 S. Wells St. Suite 402 Chicago, IL 60607 REVISIONS NO. DATE DESCRIPTION 08-10-2017 DD 50% - CLIENT DRAWN BY: ALI alignmparch.com CHECKED BY: JON progenerach.com SUED: 11/3/2017 4:35.09 PM 1005 W BELVIDERE RD, GRAYSLAKE, IL 600330 PERMIT #: ELEVATIONS	
ARCHITECTS Price: 312.207.0501 FAX: 312.284.6100 INFO@PMPCARCH.COM PMPCARCH.COM S27 S. Wells St. Suite 402 Chicago, IL 60607 REVISIONS NO. DATE DESCRIPTION 08-10-2017 DD 50% - CLIENT DRAWN BY: ALI alignmparch.com CHECKED BY: JON prigemparch.com SUED: 11/3/2017 4:35.09 PM 1005 W BELVIDERE RD, GRAYSLAKE, IL 600330 PERMIT #: ELEVATIONS	
ARCHITECTS Price: 312.207.0501 FAX: 312.284.6100 INFO@PMPCARCH.COM PMPCARCH.COM S27 S. Wells St. Suite 402 Chicago, IL 60607 REVISIONS NO. DATE DESCRIPTION 08-10-2017 DD 50% - CLIENT DRAWN BY: ALI alignmparch.com CHECKED BY: JON prigemparch.com SUED: 11/3/2017 4:35.09 PM 1005 W BELVIDERE RD, GRAYSLAKE, IL 600330 PERMIT #: ELEVATIONS	DAADC
OFFICE: 312.207.0501 FXX: 312.284.6100 INF0@PMPCARCH.COM PMPCARCH.COM S27 S. Wells St. Suite 402 Chicago, IL 60607 REVISIONS NO. DATE DATE DESCRIPTION 08-10-2017 DD 50% - CLIENT DRAWN BY: ALI al@pmpcarch.com CHECKED BY: JON introperender for the intervention of the	
FAX: 312.284.6100 INFO@PMPCARCH.COM S27 S. Wells St. Suite 402 Chicago, IL 60607 REVISIONS NO. DATE DESCRIPTION 08-10-2017 DD 50% - CLIENT DRAWIN BY: ALI allepampcarch.com CHECKED BY: JON JOO5 W BELVIDERE RD, GRAYSLAKE, IL 600300 PERMIT #: ELEVATIONS	ARCHITECTS
INFO@PMPCARCH.COM PMPCARCH.COM S27 S. Wells St. Suite 402 Chicago, IL 60607 REVISIONS NO. DATE DESCRIPTION 08-10-2017 DD 50% - CLIENT 08-10-2017 DD 50% - CLIENT 08-10-2017 DD 50% - CLIENT DRAWN BY: ALI algepreprach.com SSUED: 11/3/2017 4:35:09 PM 1005 W BELVIDERE RD, GRAYSLAKE, IL 60030 PERMIT #: ELEVATIONS	
S27 S. Wells St. Suite 402 Chicago, IL 60607	INFO@PMPCARCH.COM
REVISIONS NO. DATE DESCRIPTION 08-10-2017 DD 50% - CLIENT DRAWN BY: ALI al@pmpcarch.com CHECKED BY: JON jon@pmpcarch.com ISSUED: 11/3/2017 4:35:09 PM 1005 W BELVIDERE RD, GRAYSLAKE, IL 600300 PERMIT #: ELEVATIONS	527 S. Wells St. Suite 402
NO. DATE DESCRIPTION 08-10-2017 DD 50% - CLIENT DRAWIN BY: ALI alignmpcarch.com CHECKED BY: JON jon@pmpcarch.com ISSUED: 11/3/2017 4:35:09 PM 1005 W BELVIDERE RD, GRAYSLAKE, IL 600300 PERMIT #: ELEVATIONS	Chicago, IL 60607
NO. DATE DESCRIPTION 08-10-2017 DD 50% - CLIENT DRAWIN BY: ALI alignmpcarch.com CHECKED BY: JON jon@pmpcarch.com ISSUED: 11/3/2017 4:35:09 PM 1005 W BELVIDERE RD, GRAYSLAKE, IL 600300 PERMIT #: ELEVATIONS	
NO. DATE DESCRIPTION 08-10-2017 DD 50% - CLIENT DRAWIN BY: ALI alignmpcarch.com CHECKED BY: JON jon@pmpcarch.com ISSUED: 11/3/2017 4:35:09 PM 1005 W BELVIDERE RD, GRAYSLAKE, IL 600300 PERMIT #: ELEVATIONS	
NO. DATE DESCRIPTION 08-10-2017 DD 50% - CLIENT DRAWIN BY: ALI alignmpcarch.com CHECKED BY: JON jon@pmpcarch.com ISSUED: 11/3/2017 4:35:09 PM 1005 W BELVIDERE RD, GRAYSLAKE, IL 600300 PERMIT #: ELEVATIONS	
NO. DATE DESCRIPTION 08-10-2017 DD 50% - CLIENT DRAWIN BY: ALI alignmpcarch.com CHECKED BY: JON jon@pmpcarch.com ISSUED: 11/3/2017 4:35:09 PM 1005 W BELVIDERE RD, GRAYSLAKE, IL 600300 PERMIT #: ELEVATIONS	
DRAWN BY: ALI al@pmpcarch.com CHECKED BY: JON jon@pmpcarch.com ISSUED: 11/3/2017 4:35:09 PM 1005 W BELVIDERE RD, GRAYSLAKE, IL 600300 PERMIT #: ELEVATIONS	
CHECKED BY: JON ISSUED: 11/3/2017 4:35:09 PM 1005 W BELVIDERE RD, GRAYSLAKE, IL 60030 PERMIT #: ELEVATIONS	08-10-2017 DD 50% - CLIENT
CHECKED BY: JON ISSUED: 11/3/2017 4:35:09 PM 1005 W BELVIDERE RD, GRAYSLAKE, IL 60030 PERMIT #: ELEVATIONS	
CHECKED BY: JON ISSUED: 11/3/2017 4:35:09 PM 1005 W BELVIDERE RD, GRAYSLAKE, IL 60030 PERMIT #: ELEVATIONS	
CHECKED BY: JON ISSUED: 11/3/2017 4:35:09 PM 1005 W BELVIDERE RD, GRAYSLAKE, IL 60030 PERMIT #: ELEVATIONS	
CHECKED BY: JON ISSUED: 11/3/2017 4:35:09 PM 1005 W BELVIDERE RD, GRAYSLAKE, IL 60030 PERMIT #: ELEVATIONS	
CHECKED BY: JON ISSUED: 11/3/2017 4:35:09 PM 1005 W BELVIDERE RD, GRAYSLAKE, IL 60030 PERMIT #: ELEVATIONS	
CHECKED BY: JON ISSUED: 11/3/2017 4:35:09 PM 1005 W BELVIDERE RD, GRAYSLAKE, IL 60030 PERMIT #: ELEVATIONS	
CHECKED BY: JON ISSUED: 11/3/2017 4:35:09 PM 1005 W BELVIDERE RD, GRAYSLAKE, IL 60030 PERMIT #: ELEVATIONS	
CHECKED BY: JON ISSUED: 11/3/2017 4:35:09 PM 1005 W BELVIDERE RD, GRAYSLAKE, IL 60030 PERMIT #: ELEVATIONS	
ISSUED: 11/3/2017 4:35:09 PM 1005 W BELVIDERE RD, GRAYSLAKE, IL 60030 PERMIT #: ELEVATIONS	
GRAYSLAKE, IL 60030 PERMIT #: ELEVATIONS	
GRAYSLAKE, IL 60030 PERMIT #: ELEVATIONS	
PERMIT #: ELEVATIONS	
	GRAYSLAKE, IL 60030
	PERMIT #:
	ELEVATIONS
A500	
A500	
AJUU	







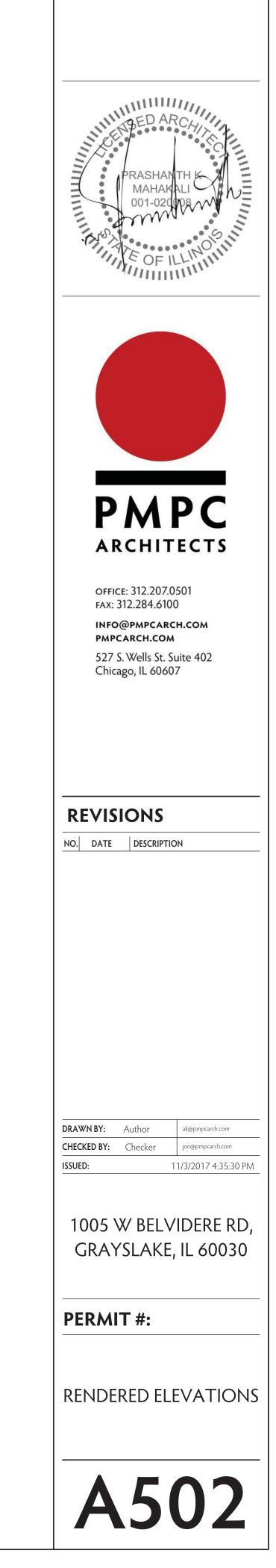
$1 \frac{\text{NORTH ELEVATION - RENDER}}{3/16'' = 1'-0''}$

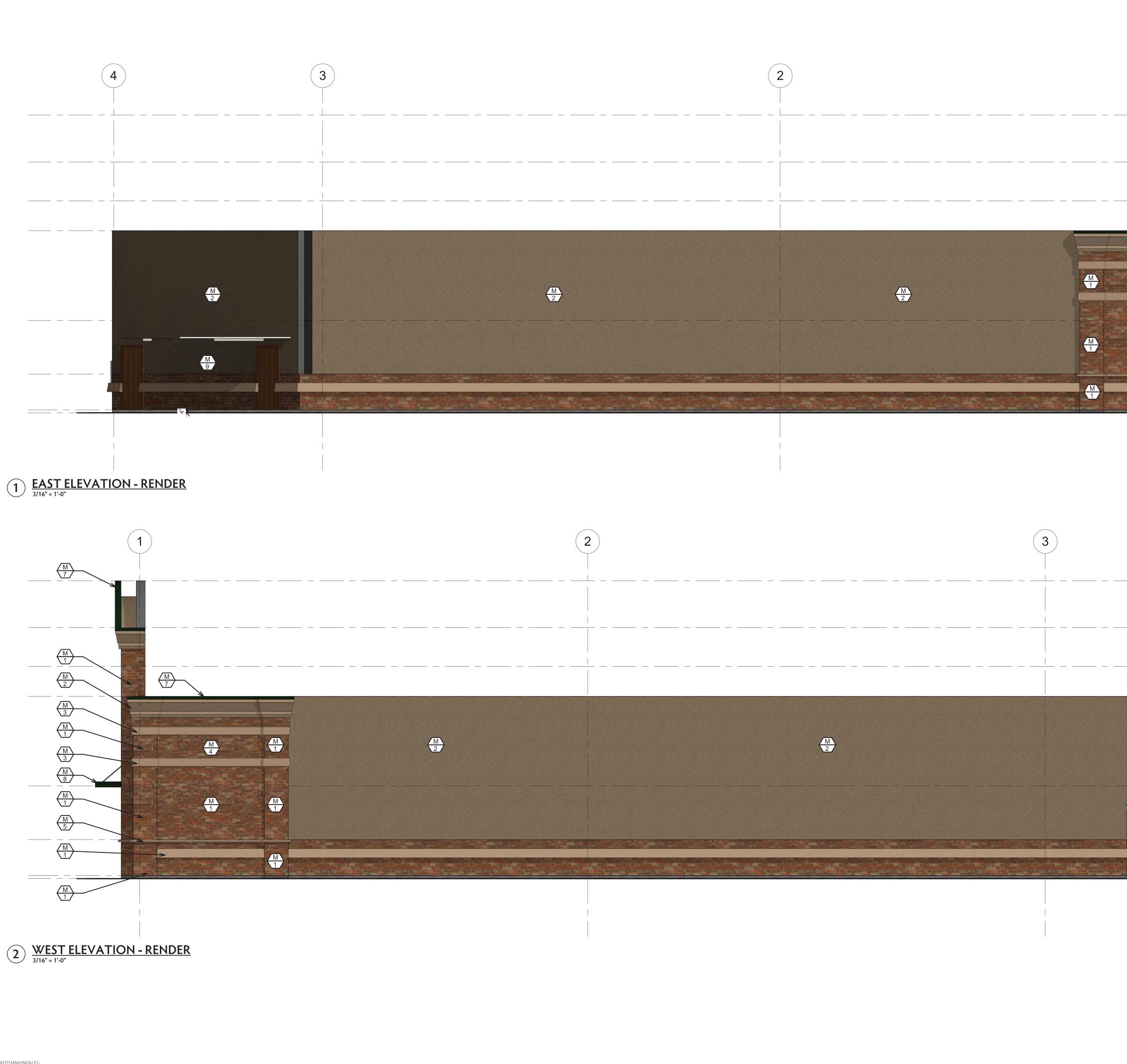


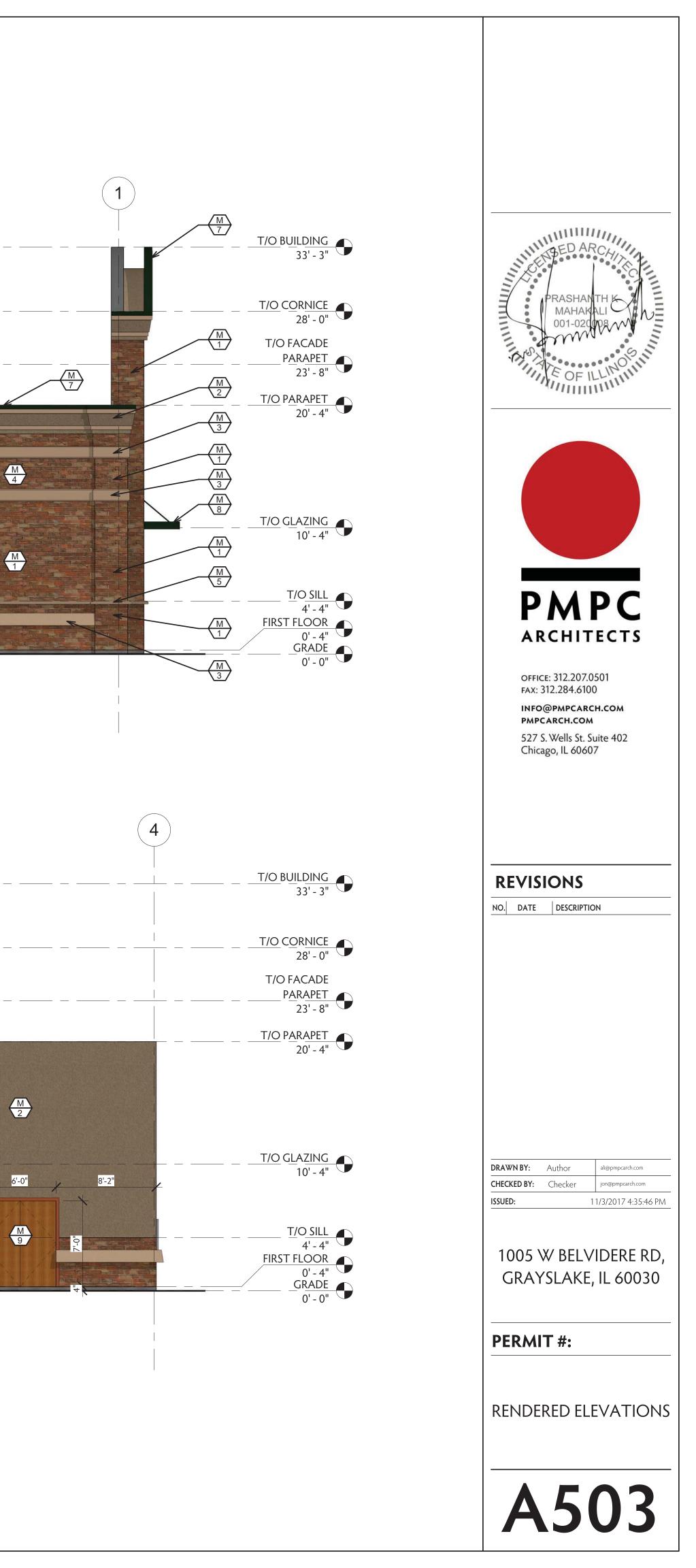
KEYNOTE $\left< \frac{M}{1} \right>$ $\left\langle \frac{M}{2} \right\rangle$ $\left< \frac{M}{3} \right>$ $\left\langle \frac{M}{4} \right\rangle$ $\left(\frac{M}{5} \right)$ $\left\langle \frac{M}{6} \right\rangle$ $\left\langle \frac{M}{7} \right\rangle$ $\left< \frac{M}{8} \right>$ $\left< \frac{M}{9} \right>$

DESCRPTION	COLOR
HARVARD BRICK	SHERWIN WILLIAMS - 'VIRTUAL TOUPE' - SW7039
EIFS-COLOR 1 (FINISH PRODUCT STO 310)	STO 'SANDSTONE' 93860 (NA10-0052)
EIFS-COLOR 2 (FINISH PRODUCT STO 310)	STO 'SMOKED PUTTY' 93240 (NA10-0053)
EIFS-COLOR ACCENT COLOR (FINISH PRODUCT STOLIT 130D)	STO SW 'ENVY' SW6925 (NA10-0054)
3 3/8" x 3 5/8" EIFS SILL W/ BEVEL	STO 'SMOKED PUTTY' 93240 (NA10-0053)
SCULPTED RAKE TRIM (PROVIDED BY METAL BUILDING MANF.)	MBCI SIGNATURE 200 - 'LIGHT STONE'
METAL COPING (PROVIDED BY METAL BUILDING MANF.)	SHERWIN WILLIAMS - 'ENVY' SW6925
3'-0" MAPES LUMIDECK - HANGER ROD SUPPORTED W/ FASCIA - SUPPLIED BY DOLLAR TREE AND INSTALLED BY GC.	SHERWIN WILLIAMS - 'ENVY' SW6925
STEEL DOOR AND HOLLOW METAL FRAME	SHERWIN WILLIAMS 'BALANCED BEIGE' SW7037

DELEVATION LEGEND







 $\left(\begin{array}{c} M \\ 1 \end{array} \right)$