ENGINEERING PLANS FOR

MAPLE MEADOWS GOLF COURSE RENOVATION

WOOD DALE, IL FPDDC PROJECT # Z-436-000

PROJECT TEAM

OWNER/DEVELOPER

Forest Preserve District of DuPage County 3S580 Naperville Road Wheaton, IL 60189 630-933-7234 Contact: Brock Lovelace, P.E.

ENGINEER

V3 Companies, Ltd. 7325 Janes Avenue Woodridge, Illinois 60517 630 724 9200 Project Manager: Andrew Regnery, P.E. aregnery@v3co.com
Project Engineer: David Vogel dvogel@v3co.com

ARCHITECT Greg Martin, ASGCA, ASLA, RLA Martin Design Golf 630-707-5071 g.martin.mdp@gmail.com

VICINITY MAP



INDEX

CIVIL ENGINEERING PLANS

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SUPPORTING DOCUMENTS

GOLF COURSE PLANS (PROVIDED SEPARATELY) IRRIGATION PLANS (PROVIDED SEPARATELY)

BENCHMARKS

SOURCE: BENCHMARKS ESTABLISHED VIA TRIMBLE VRS NETWORK. DATUM IS NAVD88

STATION DESIGNATION: SBM #1 ESTABLISHED BY: V3 COMPANIES DATE: 03-21-24

ELEVATION: 695.34 (MEASURED) DESCRIPTION: ARROW BOLT ON FIRE HYDRANT NEAR THE SOUTHEAST CORNER OF PARKING LOT EAST OF THE MAPLE MEADOWS CLUB HOUSE.

STATION DESIGNATION: SBM #2 ESTABLISHED BY: V3 COMPANIES DATE: 03-22-24

DESCRIPTION: ARROW BOLT ON FIRE HYDRANT ON THE WEST SIDE OF ADDISON DR, NORTH OF DOMINION DRIVE.

THE ELEVATIONS ABOVE WERE KNOWN TO BE ACCURATE AT THE TIME THEY WERE ESTABLISHED. V3 DOES NOT CERTIFY TO THE ACCURACY THEREAFTER, NOR ASSUMES RESPONSIBILITY FOR THE MIS-USE OR MIS-INTERPRETATION OF THE INFORMATION SHOWN HEREON.

IT IS ADVISED THAT ALL OF THE ABOVE ELEVATIONS BE CHECKED BETWEEN EACH OTHER AND VERIFY A MINIMUM OF 3 SURROUNDING UTILITY RIM ELEVATIONS AND ANY ADJACENT BUILDING FINISHED FLOOR OR TOP OF FOUNDATION ELEVATIONS SHOWN HEREON PRIOR TO USE OR COMMENCEMENT OF ANY CONSTRUCTION OR OTHER WORK.

PERSONS USING THIS INFORMATION ARE TO CONTACT V3 IMMEDIATELY WITH ANY DISCREPANCIES FOUND PRIOR TO THE START OF ANY WORK.



Information Excavators

Locating

48 hours before you dig

PROFESSIONAL ENGINEER'S CERTIFICATION

, ANDREW REGNERY, A LICENSED PROFESSIONAL ENGINEER OF ILLINOIS, HEREBY CERTIFY THAT THE CIVIL ENGINEERING PLANS WERE PREPARED ON BEHALF OF DEVELOPER OR ARCHITECT BY V3 COMPANIES, LTD. UNDER MY PERSONAL DIRECTION. THIS TECHNICAL SUBMISSION IS INTENDED TO BE USED AS AN INTEGRAL PART OF AND IN CONJUNCTION WITH THE PROJECT SPECIFICATIONS AND CONTRACT DOCUMENTS.

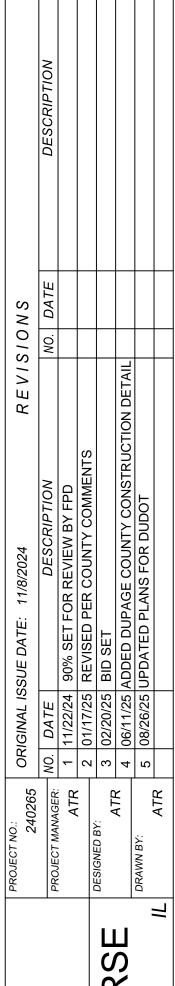
DATED THIS 26TH DAY OF AUGUST, A.D. 2025.

ILLINOIS LICENSED PROFESSIONAL ENGINEER MY LICENSE EXPIRES ON NOVEMBER 30, 2025

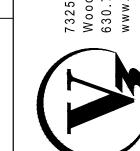
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CONSTRUCTION NOTES

GENERAL NOTES

- 1. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL EXISTING UTILITIES, CONTROLS AND CONDITIONS PRIOR TO BEGINNING CONSTRUCTION. CONTACT J.U.L.I.E. AT (1-800-892-0123) FOR UTILITY LOCATIONS PRIOR TO DIGGING. CONTACT THE FOREST PRESERVE DISTRICT OF Dupage County's facility maintenance division for Additional Utility Locations. All Utilities and their controls interfering With Construction shall be removed and reset at the contractor's EXPENSE. ALL UTILITIES TO BE RELOCATED AND RESET SHALL BE INSTALLED OR RESTORED EQUAL TO OR BETTER THAN THEIR EXISTING CONDITION.
- 2. THE CONTRACTOR SHALL VISIT THE SITE AND BE KNOWLEDGEABLE OF CONDITIONS THEREON. THE CONTRACTOR SHALL INVESTIGATE, VERIFY, AND BE RESPONSIBLE FOR ALL CONDITIONS REQUIRING MODIFICATIONS BEFORE PROCEEDING WITH THE WORK.
- 3. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS SET FORTH BY THE MOST CURRENT Dupage County Building Codes, Stormwater & FLOODPLAIN ORDINANCE AND ZONING ORDINANCE, THE STATE OF ILLINOIS ACCESSIBILITY CODE AND THE AMERICANS WITH DISABILITIES ACT, I.D.O.T. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AND I.D.O.T. SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS.
- 4. ALL STORM SEWER CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE LATEST EDITION OF THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS".
- 5. THE CONTRACTOR SHALL COORDINATE USE OF SITE, ACCESS TO SITE & HOURS OF WORK WITH THE PROJECT REPRESENTATIVE.
- 6. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL JOB SITE SAFETY.
- 7. ALL PROJECT PERMITS SHALL BE OBTAINED BY THE OWNER, WITH EXCEPTION OF HIGHWAY PERMITS. ALL INSPECTION SHALL BE COORDINATED BY THE CONTRACTOR.
- 8. ALL WORK SHALL COMPLY WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL CODES, ORDINANCES AND LAWS.
- 9. THE CONTRACTOR SHALL KEEP THE PROJECT AREA CLEAR OF RUBBISH AND DEBRIS AT ALL TIMES.
- 10. THE CONTRACTOR IS RESPONSIBLE FOR THE RESTORATION OF ALL ACCESS AND CONSTRUCTION AREAS TO THEIR ORIGINAL CONDITION. THE COST OF THIS WORK IS INCIDENTAL TO THE CONTRACT.
- 11. THE CONTRACTOR SHALL NOTIFY THE DISTRICT ABOUT ANY DISCREPANCIES OR DEVIATIONS FROM THE PLANS IMMEDIATELY BEFORE WORK MAY PROCEED.
- 12. ALL QUANTITIES SHOWN ARE FOR THE CONTRACTOR'S CONVENIENCE ONLY. THE CONTRACTOR MUST CONFIRM ALL MATERIAL AND SUPPLY SUFFICIENT MATERIAL TO COMPLETE THE JOB AS SHOWN. DIMENSIONS SHALL HAVE PREFERENCE OVER SCALE.
- 13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL NECESSARY SIGNS, BARRICADES, FENCES, ETC. AS REQUIRED TO ENSURE THE SAFETY OF VEHICLES AND PEDESTRIANS DURING ALL PHASES OF CONSTRUCTION. NO WORK WILL BE ALLOWED TO BEGIN UNTIL ALL CONSTRUCTION BARRIERS ARE IN PLACE AND HAVE BEEN APPROVED BY THE PROJECT REPRESENTATIVE.
- 14. ALL STOCKPILE AREAS IDENTIFIED ON THE PLANS MUST BE APPROVED BY THE PROJECT REPRESENTATIVE PRIOR TO CONSTRUCTION BEGINNING.
- 15. ALL CONSTRUCTION LAYOUT AND STAKING SHALL BE PROVIDED BY THE CONTRACTOR AND MUST BE REVIEWED AND APPROVED BY THE PROJECT REPRESENTATIVE PRIOR TO THE START OF CONSTRUCTION.
- 16. ALL AREAS DISTURBED BY CONSTRUCTION SHALL BE RESTORED ACCORDING TO THE PLANS AND SPECIFICATIONS AND SHALL BE REVIEWED AND APPROVED BY THE PROJECT REPRESENTATIVE PRIOR TO RESTORING DISTURBED AREA.
- 17. ALL TREES AND SHRUBS WITHIN THE CONTRACT LIMITS AND NOT SCHEDULED FOR REMOVAL SHALL BE PROTECTED BY THE CONTRACTOR. COST INCIDENTAL TO CONTRACT. ALL TREES SCHEDULED FOR REMOVAL MUST BE APPROVED BY THE PROJECT REPRESENTATIVE

UTILITY NOTES

- 1. THE APPROXIMATE LOCATIONS OF EXISTING UTILITIES ARE SHOWN ON THE DRAWINGS ACCORDING TO THE INFORMATION OBTAINED FROM UTILITY COMPANIES AND SURVEYS. HOWEVER, THE FOREST PRESERVE DISTRICT OF Dupage County Does Not Guarantee the Completeness or accuracy of the Information Regarding Utilities, either Public or Private Such as sewers, gas lines, watermains, telephone, electrical duct lines, manholes, catch basins or other similar structures. The contractor shall verify the exact location of all utilities that may interfere with construction operations and Report to the owner's representative omissions and differences from the Locations shown on the drawings. The contractor shall be fully responsible for any and all damages which are occasioned by his/her failure to exactly locate and preserve any and all utilities.
- 2. ALL EXISTING DRAINS, SEWERS, WATER LINES, ELECTRIC LINES OR OTHER MISCELLANEOUS UTILITIES DISRUPTED BY THE CONTRACTOR, SHALL BE REROUTED OR REPLACED TO THE SATISFACTION OF THE OWNER. COST INCIDENTAL TO CONTRACT.

SITE LAYOUT NOTES

- 1. EXISTING SITE INFORMATION SUPPLIED BY FOREST PRESERVE DISTRICT OF DuPAGE COUNTY PLATS OF SURVEY, DUPAGE COUNTY LIDAR, AND TOPOGRAPHICAL SURVEY OF EXISTING PARKING LOT AND MISCELLANEOUS ITEMS PERFORMED BY V3 COMPANIES LTD. 7325 JANES AVENUE, WOODRIDGE, IL 60517. ALL QUANTITIES AND DESIGN BASED UPON SAME.
- 2. LAYOUT BENCHMARK STATIONING TIES IN WITH COUNTY COORDINATE DATUM.
 NORTHING & EASTING COORDINATES ARE PROVIDED FOR BENCHMARKS AS INDICATED IN THE DRAWINGS.
- 3. ALL LAYOUT TO BE DONE BY THE CONTRACTOR AND MUST BE REVIEWED AND APPROVED BY THE PROJECT REPRESENTATIVE PRIOR TO THE START OF CONSTRUCTION.
- PROPOSED PATH CENTERLINE GRADE SHALL BE STAKED AND REVIEWED IN THE FIELD BY THE PROJECT REPRESENTATIVE. ADJUSTMENTS MAY BE MADE BASED UPON SLIGHT VARIATIONS IN EXISTING TOPOGRAPHY TO MAINTAIN POSITIVE DRAINAGE. NO WORK SHALL SHALL PROCEED UNTIL CENTERLINE GRADES ARE ACCEPTABLE TO THE ENGINEER.
- LAYOUT OF ALL NEW PATHWAYS AND CURBS SHALL BE SMOOTH AND CONTINUOUS.
 ABRUPT CHANGES TO SLOPE OR ALIGNMENT WILL NOT BE ACCEPTED. PROJECT
 REPRESENTATIVE WILL REVIEW STAKED LAYOUT AND FORMWORK BEFORE
 CONSTRUCTION BEGINS.

DEMOLITION NOTES

- 1. ALL REMOVAL OR EXCAVATION ITEMS BEING DISPOSED OF AT AN UNCONTAMINATED SOIL FILL OPERATION OR CLEAN CONSTRUCTION AND DEMOLITION DEBRIS (CCDD) FILL SITE SHALL MEET THE REQUIREMENTS OF PUBLIC ACT 96-1416. ALL COSTS ASSOCIATED WITH MEETING THESE REQUIREMENTS SHALL BE INCLUDED IN THE UNIT PRICE COST FOR THE ASSOCIATED REMOVAL OR EXCAVATION ITEMS IN THE CONTRACT. THESE COSTS SHALL INCLUDE BUT ARE NOT LIMITED TO ALL REQUIRED TESTING, LAB ANALYSIS, CERTIFICATION BY A LICENSED PROFESSIONAL ENGINEER, AND STATE AND LOCAL TIPPING FEES.
- 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MARKING ALL ITEMS TO BE SALVAGED OR REMOVED AS IDENTIFIED ON THE PLANS PRIOR TO CONSTRUCTION BEGINNING. THE PROJECT REPRESENTATIVE SHALL APPROVE ALL ITEMS TO BE SALVAGED OR REMOVED PRIOR TO DEMOLITION OCCURRING.
- 3. THE CONTRACTOR SHALL NOT DISPOSE OF ANY CONSTRUCTION DEBRIS WITHIN ANY FPDDC DUMPSTER, WASTE RECEPTACLE, OR PROPERTY. THE CONTRACTOR SHALL LEGALLY DISPOSE OF ALL CONSTRUCTION DEBRIS OFF-SITE AT HIS/HER EXPENSE. ALL DEMOLITION & REMOVAL SHALL COMPLY WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS.
- 4. ALL ITEMS TO BE SALVAGED AND REUSED SHALL BE PROTECTED AT ALL TIMES.
 SALVAGED ITEMS MUST BE INSTALLED AND RESTORED EQUAL TO OR BETTER THAN
 THEIR EXISTING CONDITION. ALL ADJACENT PAVEMENTS, STRUCTURES AND UTILITIES
 SHALL ALSO BE PROTECTED. ALL LANDSCAPE, PAVEMENTS, STRUCTURES, AND
 UTILITIES DAMAGED DURING THE COURSE OF CONSTRUCTION SHALL BE RESTORED TO
 THEIR EXISTING CONDITIONS AT THE CONTRACTOR'S EXPENSE.
- 5. STRUCTURES, SIDEWALKS, PAVEMENTS AND OTHER UTILITIES TO REMAIN SHALL BE PROTECTED FROM DAMAGE CAUSED BY SETTLEMENT, LATERAL MOVEMENT, UNDERMINING, WASHOUTS AND OTHER HAZARDS CREATED BY SITE IMPROVEMENT OPERATIONS.
- 6. ALL EXISTING VEGETATION SHALL BE MOWED TO BARE GRADE IN ALL AREAS OF WORK. 4. THE COST OF THIS WORK IS INCIDENTAL TO THE CONTRACT.
- 7. ALL TREES TO BE REMOVED SHALL BE APPROVED BY THE PROJECT REPRESENTATIVE OR AN AUTHORIZED AGENT OF THE DISTRICT IN THE FIELD PRIOR TO REMOVAL.

GRADING NOTES

- 1. ALL PROPOSED ELEVATIONS SHOWN ON THE PLANS ARE FINISHED SURFACE ELEVATIONS, UNLESS OTHERWISE SPECIFIED.
- CONTRACTOR SHALL MATCH THE LINE AND GRADE OF EXISTING PAVEMENTS AND CURB. CONTRACTOR SHALL ALERT PROJECT REPRESENTATIVE OF ANY SUBSTANTIAL DEVIATIONS.
- 3. EXCAVATED SOIL SHALL BE DEPOSITED IN THE DESIGNATED STOCKPILE AREA.
- 4. STOCKPILED SPOILS TO REMAIN FREE OF EXCESSIVE COMPACTION AND INORGANIC DEBRIS, GRADED TO AN EVEN SLOPE NOT TO EXCEED 20% AND SHALL BE OVERLAID WITH A MINIMUM OF 6" TOPSOIL.
- 5. CONTRACTOR SHALL ADJUST ANY UTILITY STRUCTURE WITHIN THE SITE TO MEET PROPOSED GRADE, UNLESS OTHERWISE NOTED.
- 6. MAINTAIN PRESENT GRADE AT BASE OF ALL EXISTING TREES TO REMAIN IN PLACE.
 USE TREE PROTECTION BARRICADES AT DRIPLINES WHERE INDICATED, SEE
 DEMOLITION & EROSION CONTROL SHEETS. PROTECT EXISTING TREES TO REMAIN IN
 PLACE AGAINST UNNECESSARY CUTTING, BREAKING OR SKINNING OF ROOTS,

BRUISING OF BARK OR SMOTHERING OF TREES. DRIVING, PARKING, DUMPING, STOCKPILING AND/OR STORAGE OF VEHICLES, EQUIPMENT, SUPPLIES, MATERIALS OR DEBRIS ON TOP OF THE ROOT ZONES AND/OR WITHIN THE DRIPLINE OF EXISTING TREES OR OTHER PLANT MATERIAL TO REMAIN IN PLACE IS STRICTLY PROHIBITED.

RESTORATION SEEDING/GRASSING NOTES

- 1. THE LIMITS OF RESTORATION SEEDING/GRASSING SHALL BE IN ACCORDANCE WITH THE GOLF COURSE RESTORATION PLANS. ANY DEVIATIONS SHALL BE APPROVED BY THE PROJECT REPRESENTATIVE PRIOR TO IMPLEMENTATION.
- ALL DISTURBED AREAS WITHIN NATIVE RESTORATION LIMITS DURING CONSTRUCTION SHALL BE RESTORED WITH SPECIFIED TOPSOIL AND SEEDING. PROJECT REPRESENTATIVE MUST APPROVE ALL AREAS PRIOR TO BEING SEEDED.
- 3. ALL SEED MUST BE DELIVERED TO THE PROJECT SITE WITH ORIGINAL TAGS OR LABELS FROM THE ORIGINAL NURSERY SUPPLIER. SEED DELIVERED TO THE JOBSITE WITHOUT APPROPRIATE TAGS OR LABELS WILL BE REJECTED. SEED LABELS MUST BE REVIEWED AND APPROVED BY PROJECT REPRESENTATIVE PRIOR TO BEING SEEDED.
- 4. THE PROJECT REPRESENTATIVE MUST BE NOTIFIED 48 HOURS IN ADVANCE OF DELIVERY OF ALL SEED.
- 5. ALL SEEDING SPECIFICATIONS SHALL FOLLOW SECTION 250 OF IDOT STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION CURRENT EDITION UNLESS NOTED OTHERWISE IN SPECIAL PROVISIONS OR BELOW.
- 6. ALL PROPOSED SEEDING AREAS NOT DISTURBED BY EXCAVATION ACTIVITIES SHALL BE PREPARED BY MOWING, HERBICIDING, TILLING & FINE GRADING PRIOR TO SEEDING. THE HERBICIDE, WHICH IS NON-TOXIC TO ANIMAL AND AQUATIC LIFE, SHALL BE APPLIED BY A CERTIFIED AND LICENSED PESTICIDE APPLICATOR, WHO SHALL APPLY THE HERBICIDE BY THE APPROPRIATE METHOD, TO PREVENT KILLING OF DESIRABLE NATIVE SPECIES.
- 7. THE COVER CROP MATRIX WILL BE SEEDED AND MATTED WITH 100% BIODEGRADABLE SOIL EROSION CONTROL BLANKET, SECURED WITH BIODEGRADABLE ECOSTAKES, THROUGHOUT THE STORMWATER DETENTION AREAS AND TEMPORARY IMPACT AREAS IMMEDIATELY AFTER PROJECT COMPLETION TO PREVENT EROSION. ALL SEEDING SHALL BE HAND BROADCAST AT TWICE THE DRILL SEED RATE. IF CONDITIONS ARE NOT CONDUCIVE FOR NATIVE SPECIES SEEDING, PERMANENT NATIVE SPECIES SHALL BE DORMANT SEEDED, OR SEEDED DURING THE FIRST AVAILABLE GROWING SEASON AT THE APPROPRIATE TIME AND CONDITIONS FOR SUCH PLANTINGS. THE SEED WILL BE LIGHTLY RAKED IN, ROLLED, AND WATERED.

LANDSCAPE NOTES

- 1. ALL LAYOUT OF LANDSCAPE ITEMS (PLANTING BEDS, WOODY SPECIES, PERENNIALS, SEEDING LIMITS, AND ETC.) SHALL BE IN ACCORDANCE WITH THE GOLF COURSE RESTORATION PLANS. ANY DEVIATIONS MUST BE REVIEWED AND APPROVED BY THE PROJECT REPRESENTATIVE PRIOR TO THE START OF CONSTRUCTION.
- 2. ALL PLANTS MUST BE DELIVERED TO THE PROJECT SITE WITH ORIGINAL TAGS OR LABELS FROM THE ORIGINAL NURSERY SUPPLIER. PLANTS DELIVERED TO THE JOBSITE WITHOUT APPROPRIATE SIZING AND SPECIES INFORMATION WILL BE REJECTED.
- 3. ALL DISTURBED AREAS WITHIN TURF SEEDING LIMITS SHALL BE RESTORED WITH TOPSOIL AND SEEDING WITH MULCH METHOD 2, "PROCEDURE 2", UNLESS NOTED OTHERWISE OR DIRECTED BY THE DISTRICT OR AN AUTHORIZED AGENT OF THE DISTRICT.
- 4. ALL SEEDING SPECIFICATIONS SHALL FOLLOW SECTION 250 OF IDOT STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION CURRENT EDITION UNLESS NOTED OTHERWISE IN SPECIAL PROVISIONS OR BELOW.
- 5. THE PROJECT REPRESENTATIVE MUST BE NOTIFIED 48 HOURS IN ADVANCE OF DELIVERY OF ALL PLANTING MATERIALS AND MUST APPROVE ALL PLANTS PRIOR TO BEING UNLOADED.
- 6. ALL PLANTS SHALL MEET OR EXCEED THE CURRENT AMERICAN NURSERYMAN AND LANDSCAPE ASSOCIATION STANDARDS AND BE TRUE TO FORM AND SIZE AS REPRESENTATIVE OF ITS SPECIES.
- 7. ALL PLANTING BED AREAS SHALL HAVE AT LEAST TWELVE INCHES (12") OF CLEAN UN-COMPACTED TOPSOIL. GRADED PORTIONS OF THE PLANTING AREAS THAT DO NOT EXPOSE SUITABLE PLANTING MEDIUMS SHALL BE OVER EXCAVATED TO RE-SPREAD WITH 12 IN. OF TOPSOIL. THE SUBSOIL SHALL BE LOOSENED AND TOPSOIL APPLIED TO MINIMIZE COMPACTION. ALL CLUMPS, STONES AND DEBRIS SHALL BE REMOVED AND DISPOSED OF LEGALLY OFF-SITE. THE TOP 2 IN. OF THE SOIL SHALL BE RAKED PRIOR TO SEEDING WITHIN THE PLANTING AREAS.
- 8. ALL TREES AND SHRUBS LESS THAN 6" CALIPER AND CONSIDERED UNDESIRABLE BY DETERMINATION OF PROJECT REPRESENTATIVE SHALL BE REMOVED WITHIN THE GRADED AREA OF PROPERTY. ALL STUMPS SHALL BE TREATED WITH HERBICIDE, WHICH IS NON-TOXIC TO ANIMAL AND AQUATIC LIFE, BY A CERTIFIED AND LICENSED PESTICIDE APPLICATOR, WHO SHALL APPLY THE HERBICIDE BY THE APPROPRIATE METHOD, TO PREVENT KILLING OF DESIRABLE NATIVE SPECIES.
- 9. ALL TREES WILL BE BETWEEN 2 IN. AND 3 IN. CALIPER AND ALL SHRUBS WILL BE A 5

GALLON MINIMUM. WOODY PLANT INSTALLATION WILL OCCUR PRIOR TO SEED INSTALLATION. HOLES FOR ALL TREES WILL BE TWO TIMES THE BALL WIDTH. HOLES FOR ALL SHRUBS SHALL BE DUG WITH A 6 IN. MINIMUM AROUND ALL SIDES OF THE BALL. THE BURLAP SHALL BE REMOVED FROM ALL BARE ROOT STOCK TREES AND SHRUBS, WHEREAS, IF BALLED AND BURLAPPED THE TWINE AROUND THE TRUNK SHALL BE REMOVED AND BURLAP MAY REMAIN. ALL TREES AND SHRUBS SHALL BE PLANTED IN THE PLUMB POSITION. NURSERY TAGS SHALL REMAIN ON ALL TREES AND SHRUBS FOR FUTURE IDENTIFICATION. WITHIN FIVE DAYS OF PLANTING, A MULCH SAUCER SHALL BE PLACED AROUND ALL TREES AND SHRUBS FOR WATERING.

- 10. THE COVER CROP MATRIX WILL BE SEEDED AND MATTED WITH 100% BIODEGRADABLE SOIL EROSION CONTROL BLANKET THROUGHOUT THE STORMWATER DETENTION AREAS AND TEMPORARY IMPACT AREAS IMMEDIATELY AFTER PROJECT COMPLETION TO PREVENT EROSION. ALL SEEDING SHALL BE HAND BROADCAST AT TWICE THE DRILL SEED RATE. IF CONDITIONS ARE NOT CONDUCIVE FOR NATIVE SPECIES SEEDING, PERMANENT NATIVE SPECIES SHALL BE DORMANT SEEDED, OR SEEDED DURING THE FIRST AVAILABLE GROWING SEASON AT THE APPROPRIATE TIME AND CONDITIONS FOR SUCH PLANTINGS. THE SEED WILL BE LIGHTLY RAKED IN, ROLLED, AND WATERED.
- 11. WATER SHALL NOT BE AVAILABLE FROM THE DISTRICT AND ITS FACILITIES. ALL WATER SHALL BE PROVIDED BY THE CONTRACTOR AND SHALL BE INCIDENTAL TO THE CONTRACT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO WATER ALL PLANTS UNTIL ESTABLISHMENT HAS BEEN ACHIEVED PER SPECIFICATIONS.
- 12. SEE LANDSCAPE DETAILS SHEET FOR ALL PLANTING DETAILS, SEED MIXES AND PLANT SCHEDULES.

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GENERAL NOTES
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7325 JANES AVE WOODRIDGE, IL 6052' (630)-724-9200 www.v3co.com



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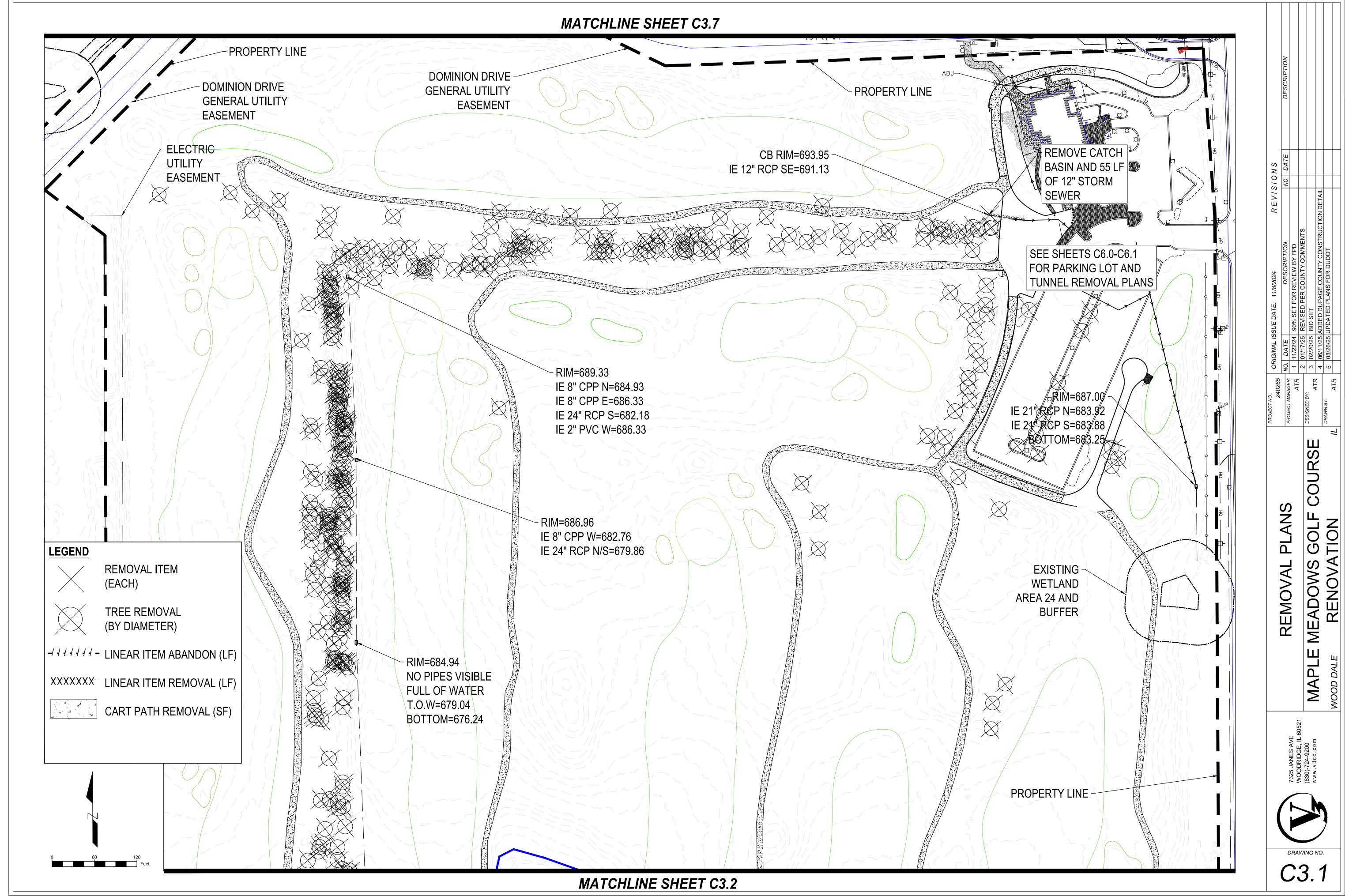
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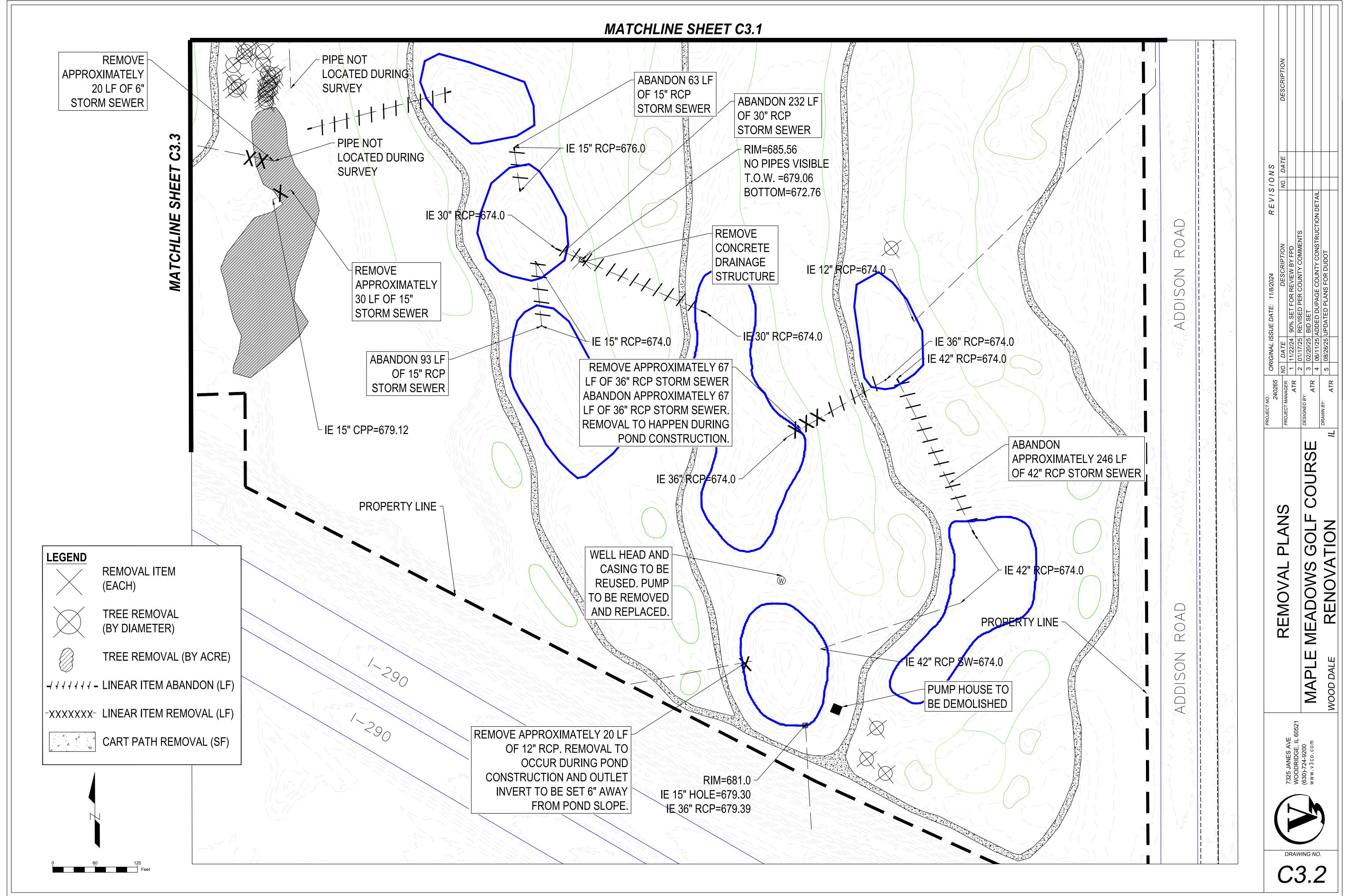
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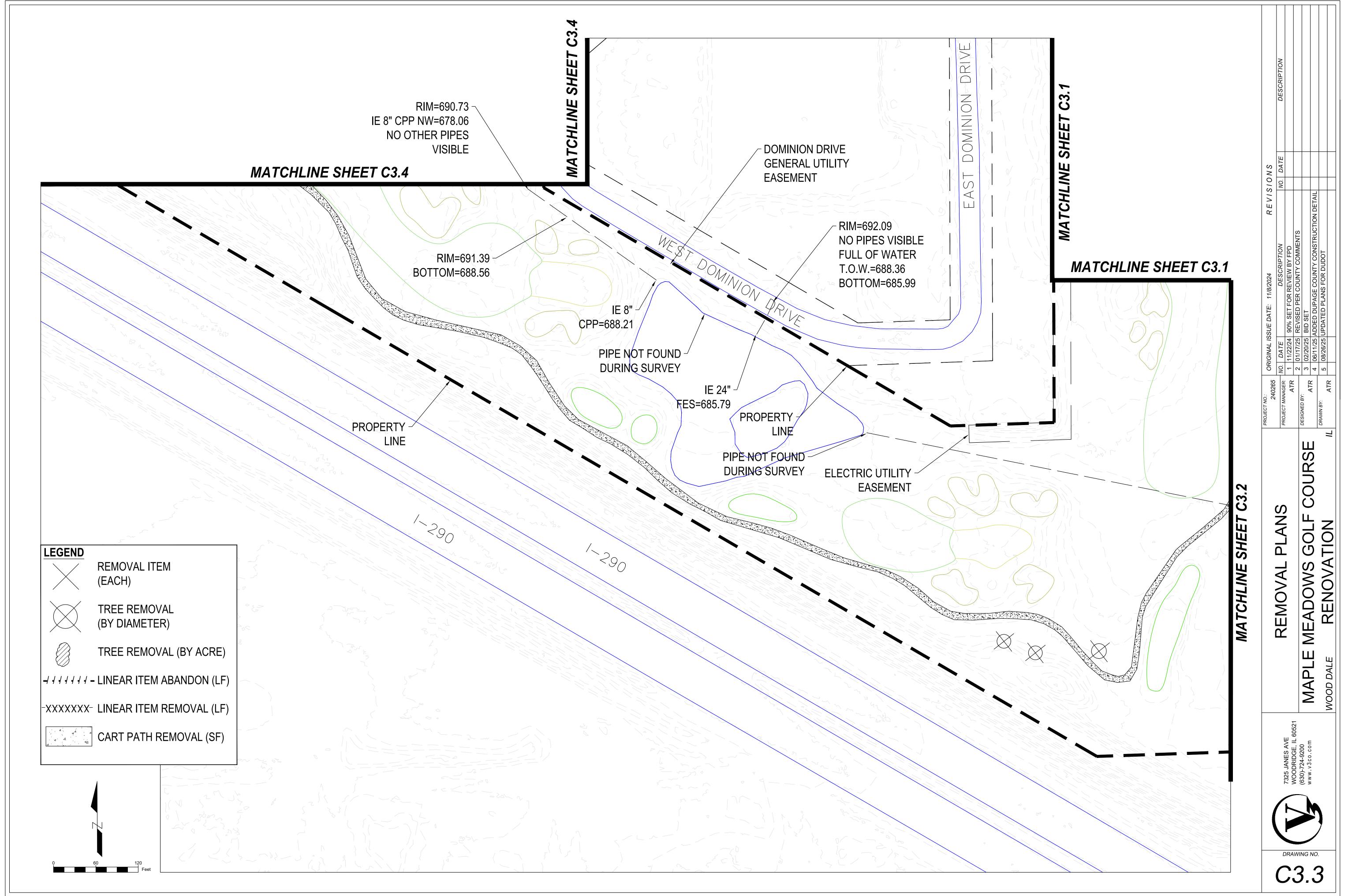
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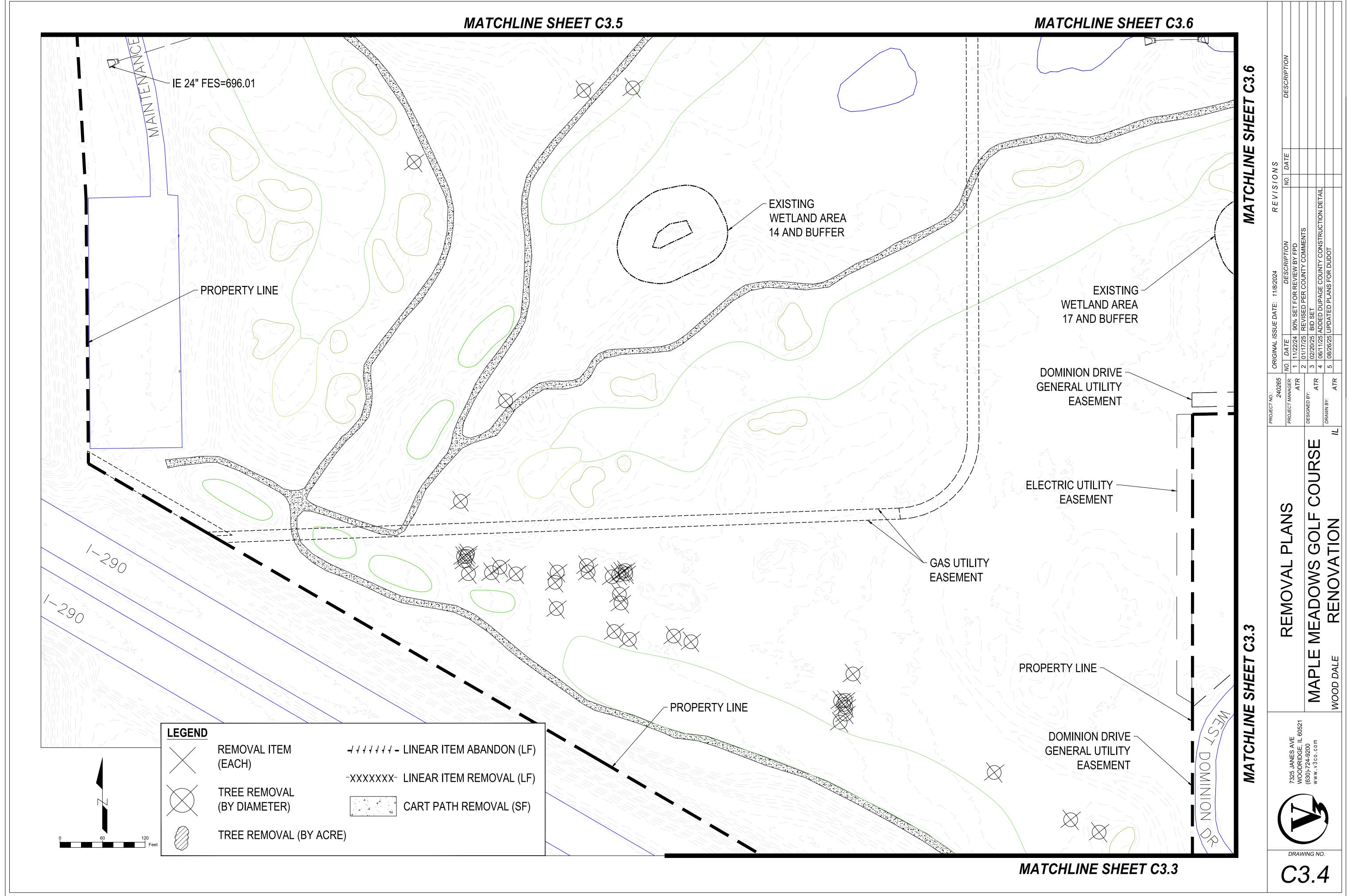


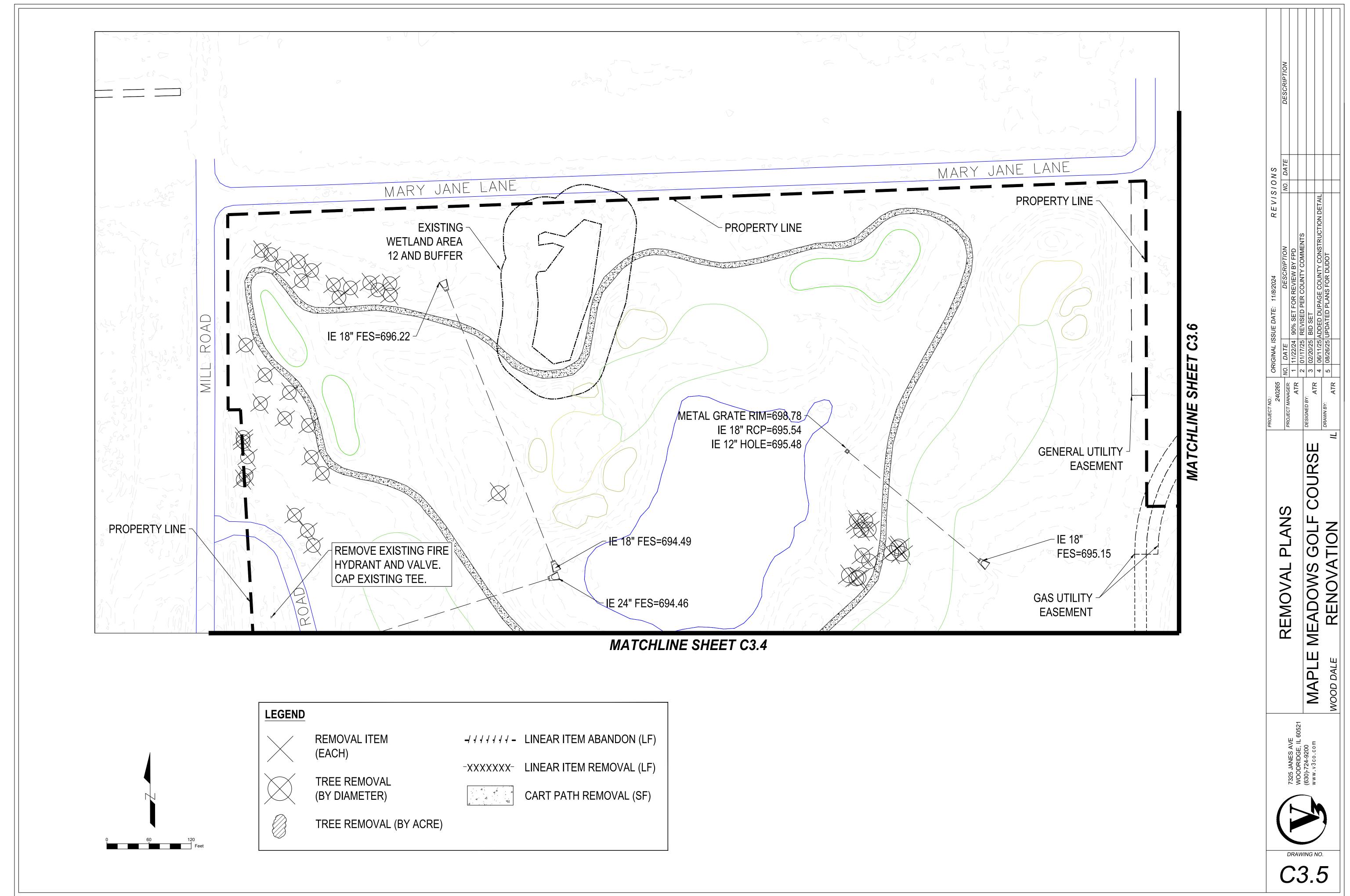
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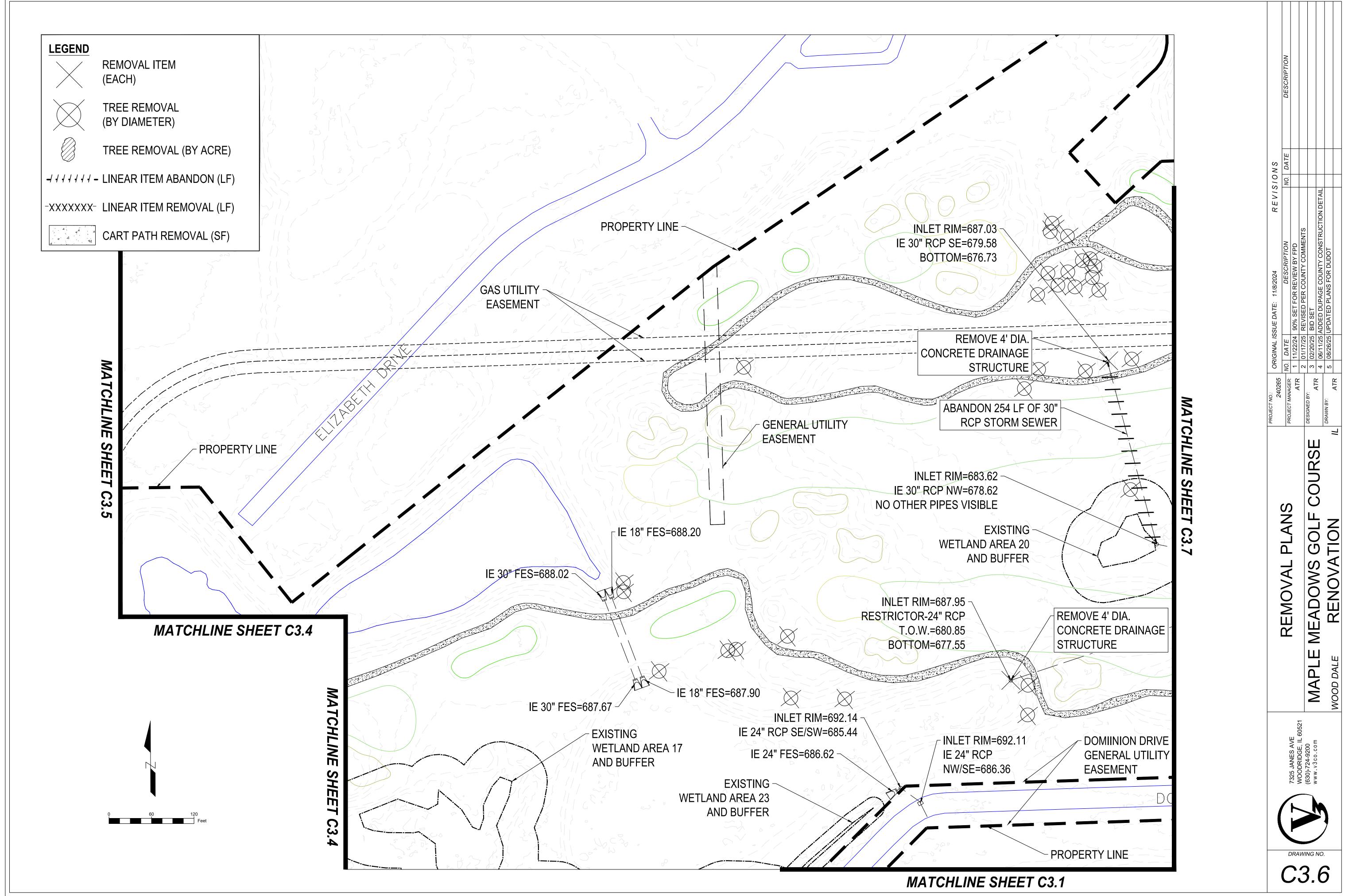


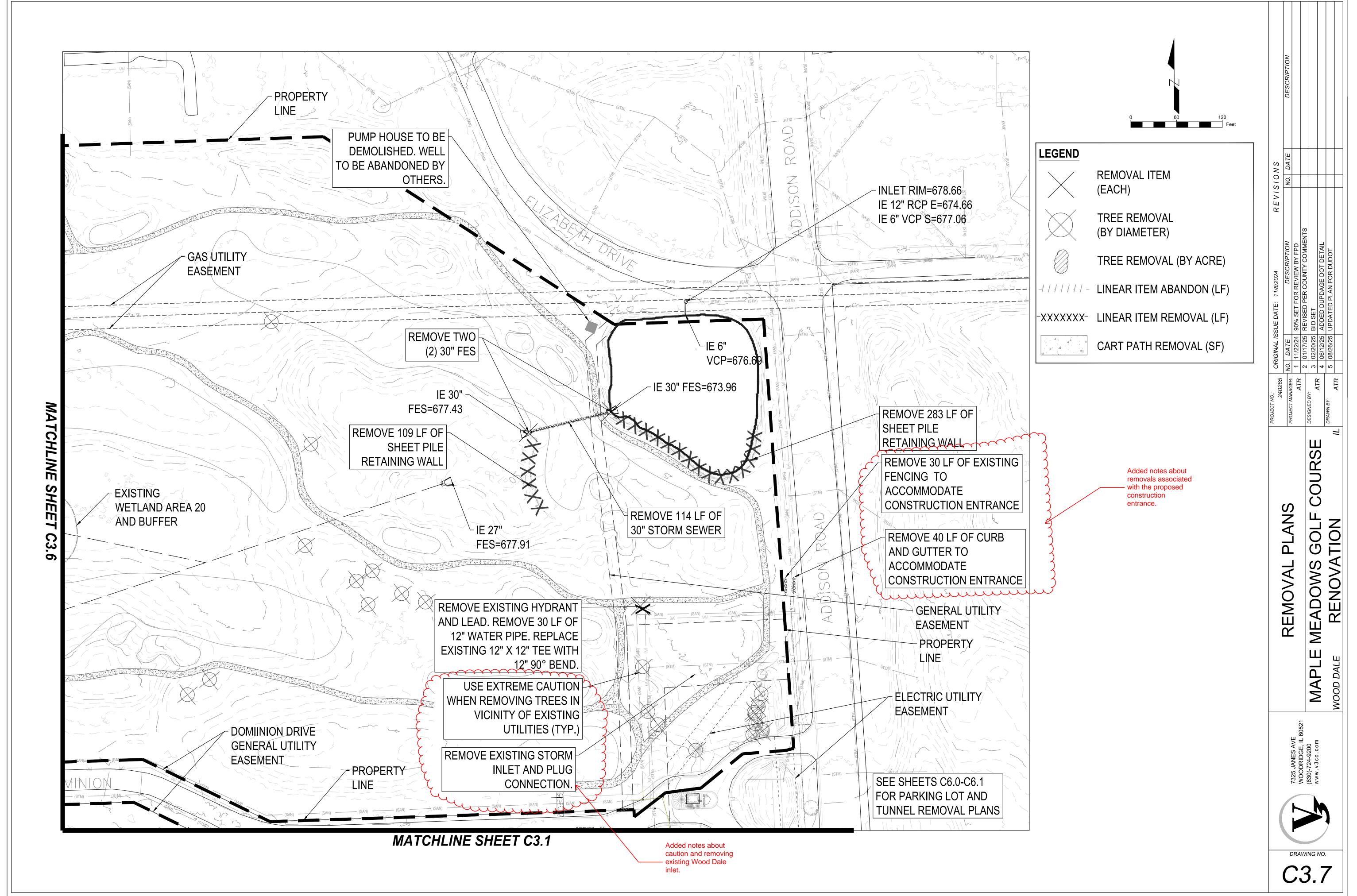


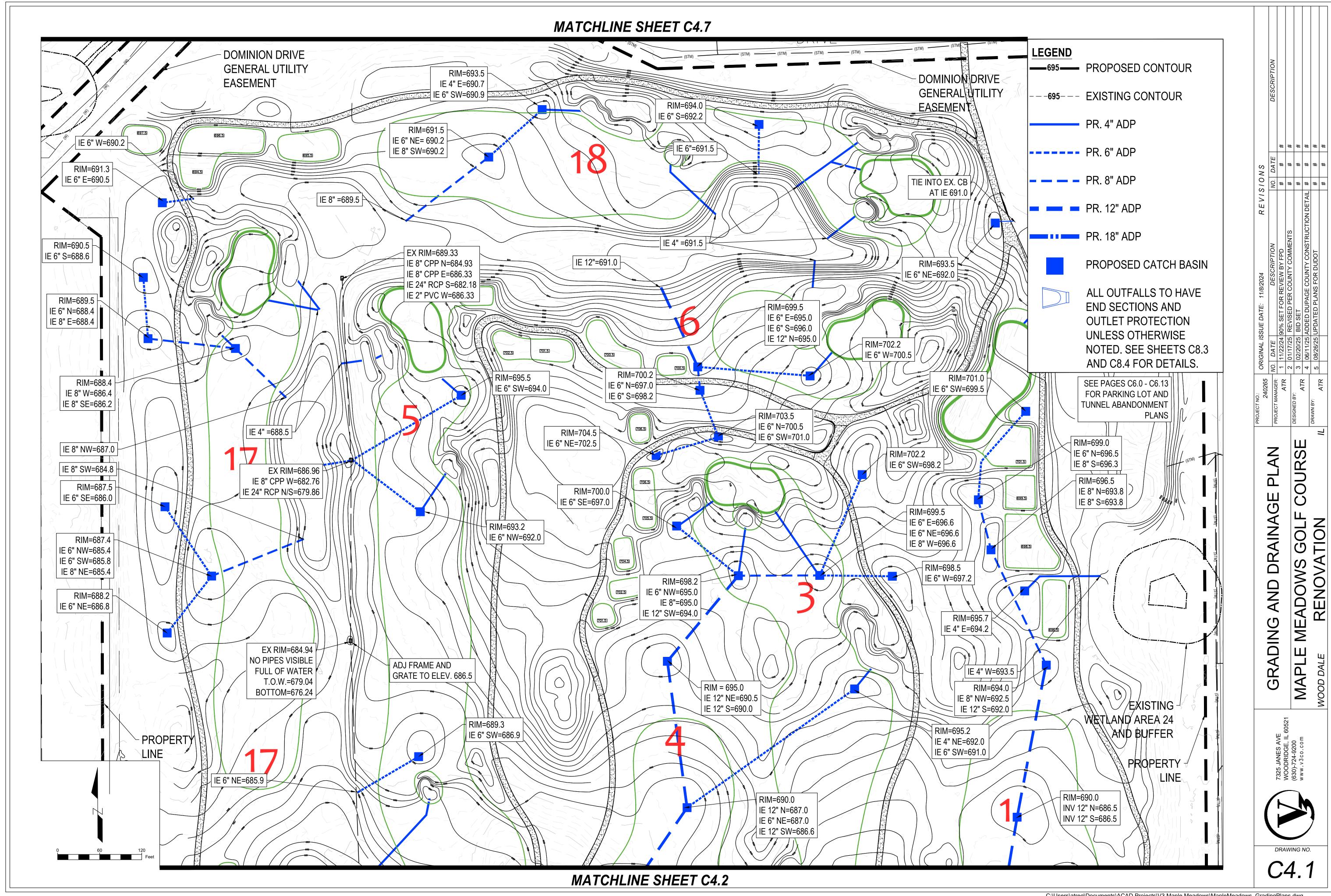


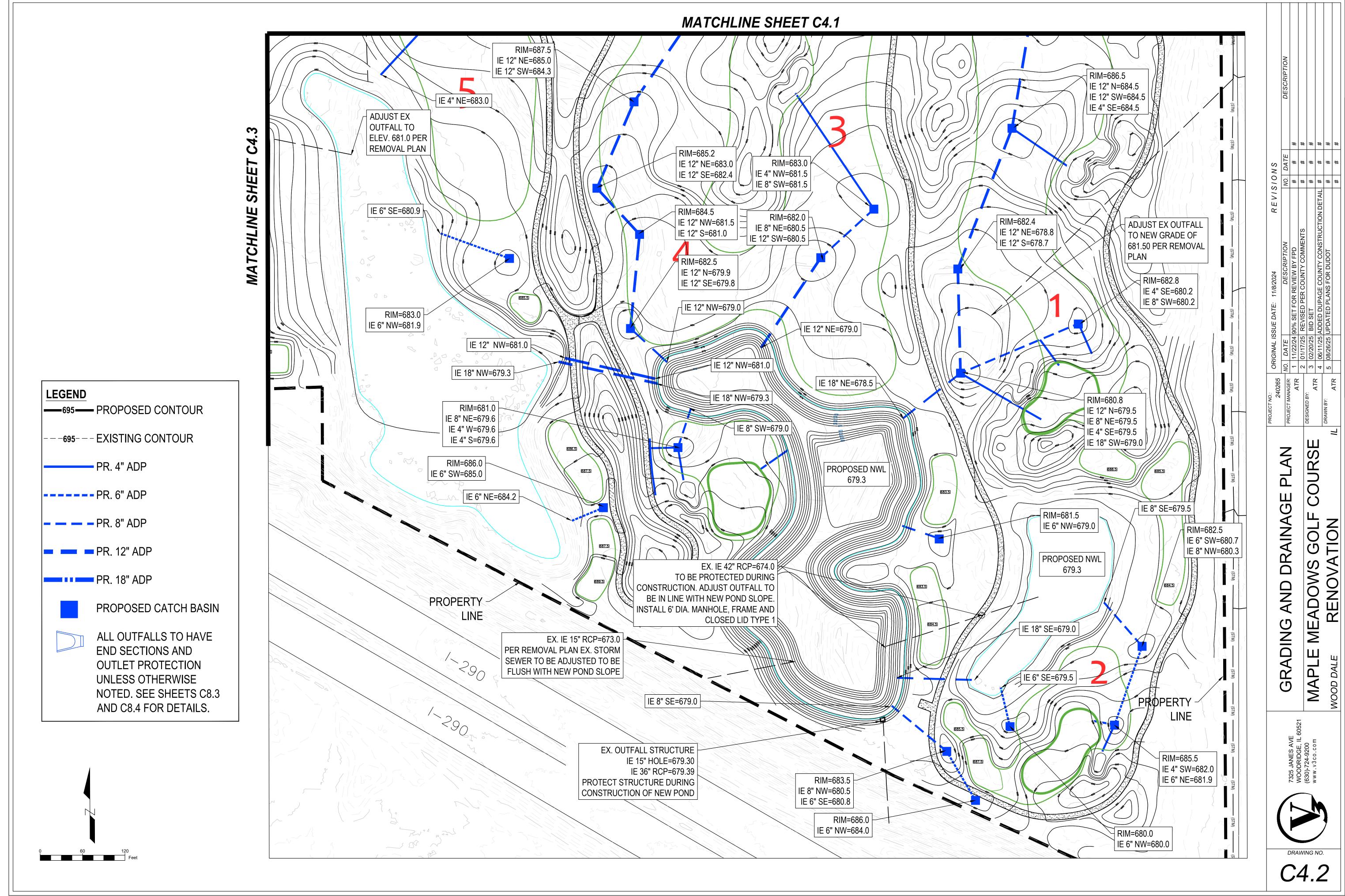


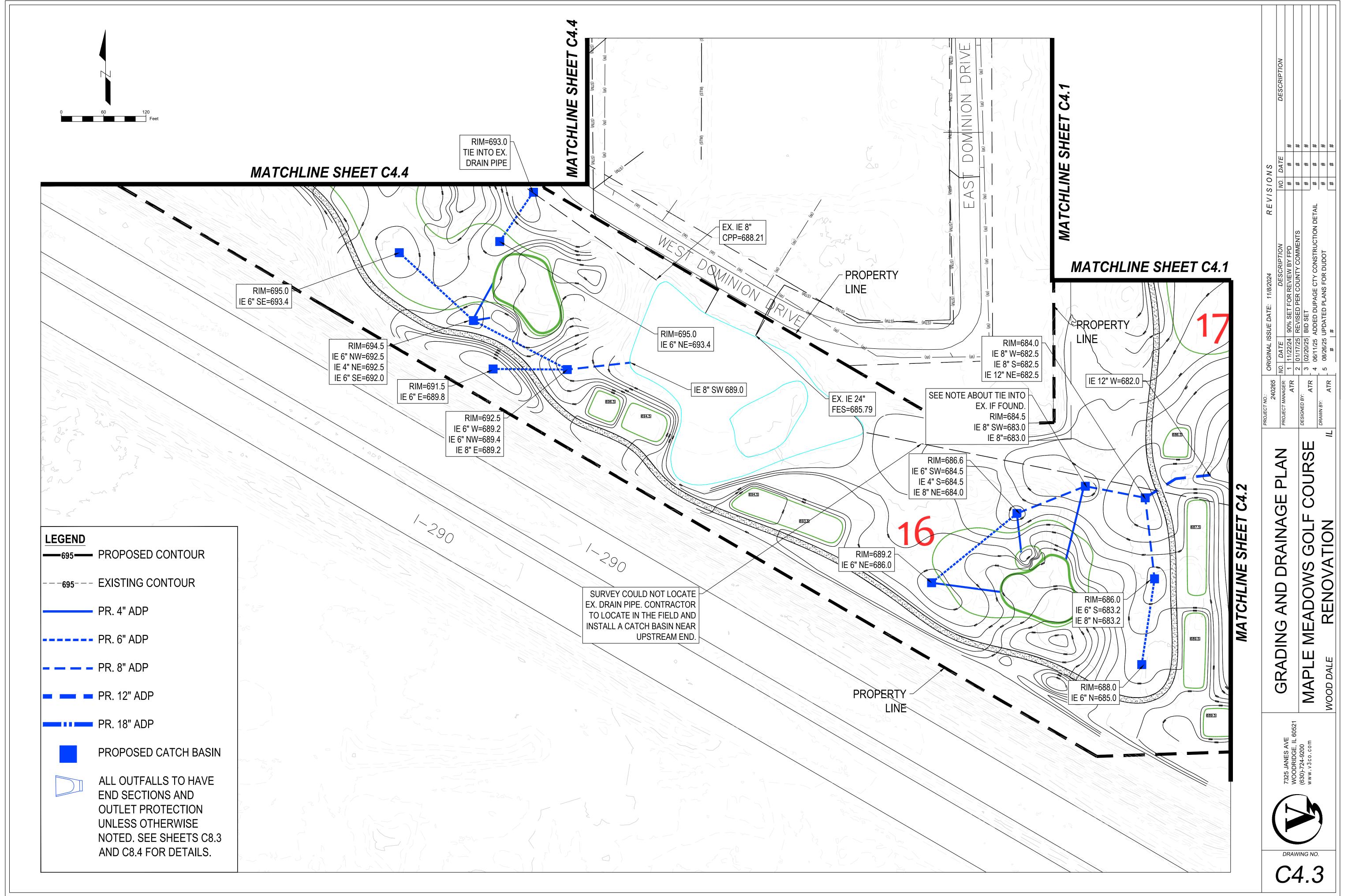


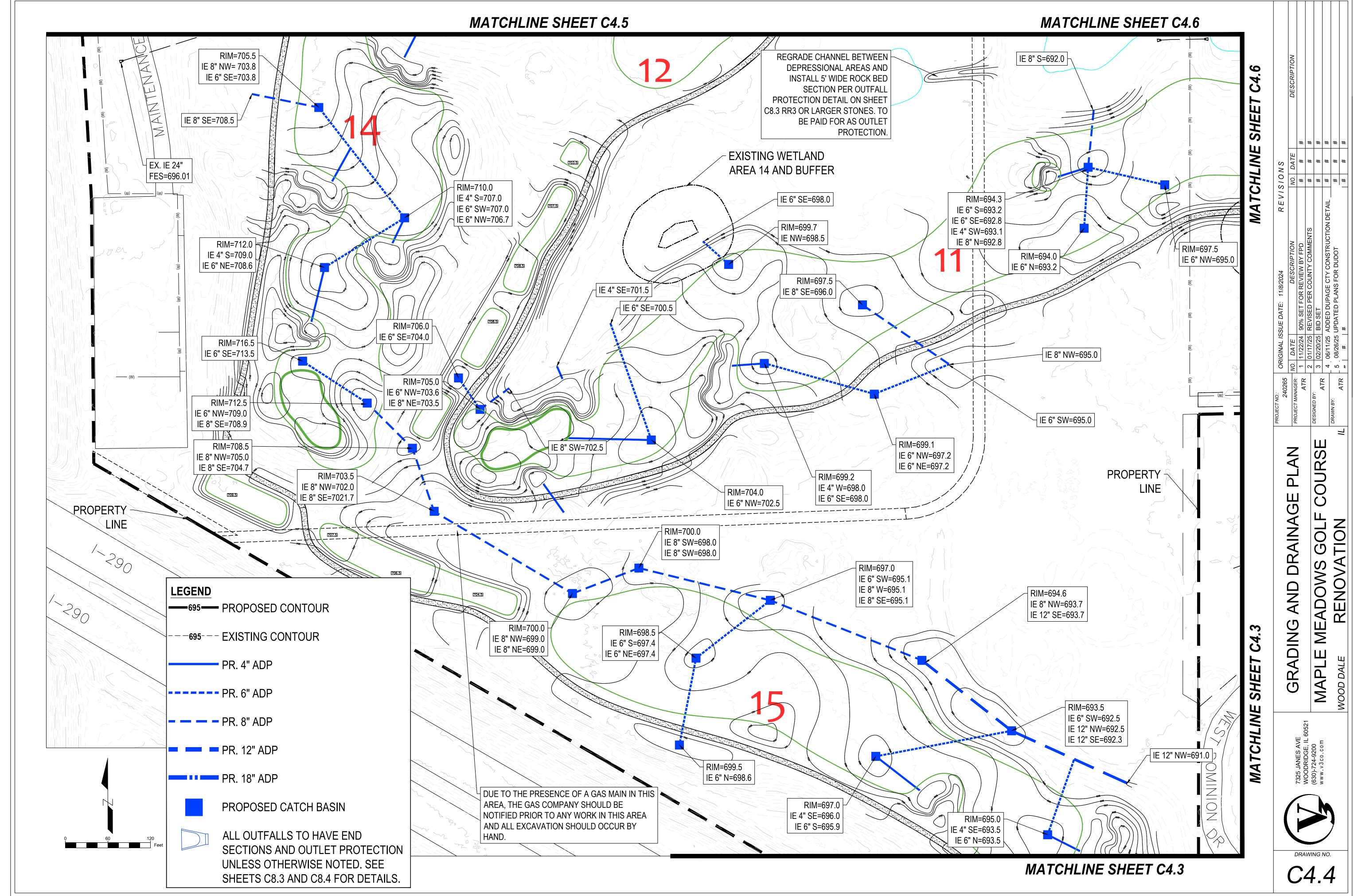


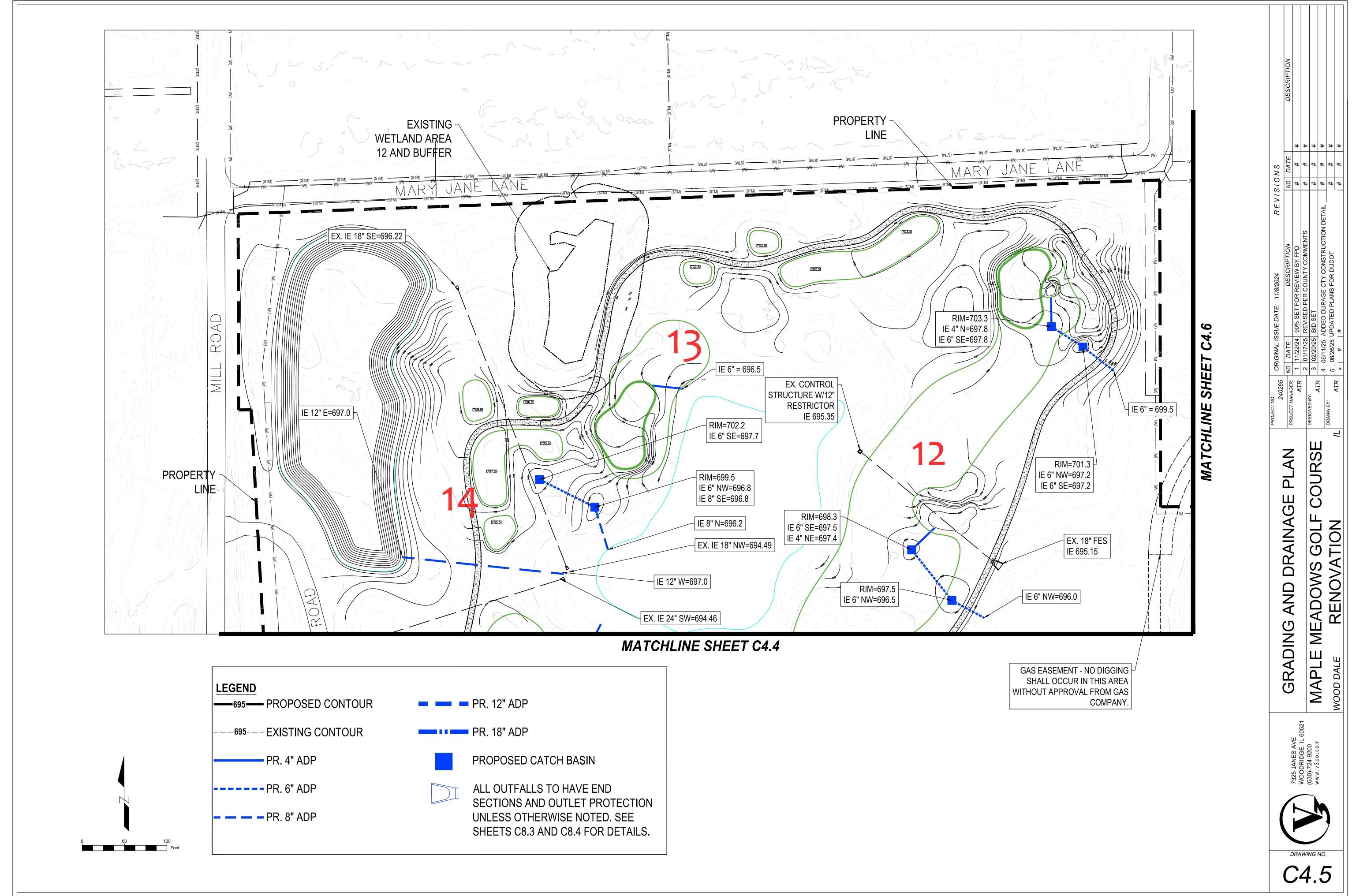


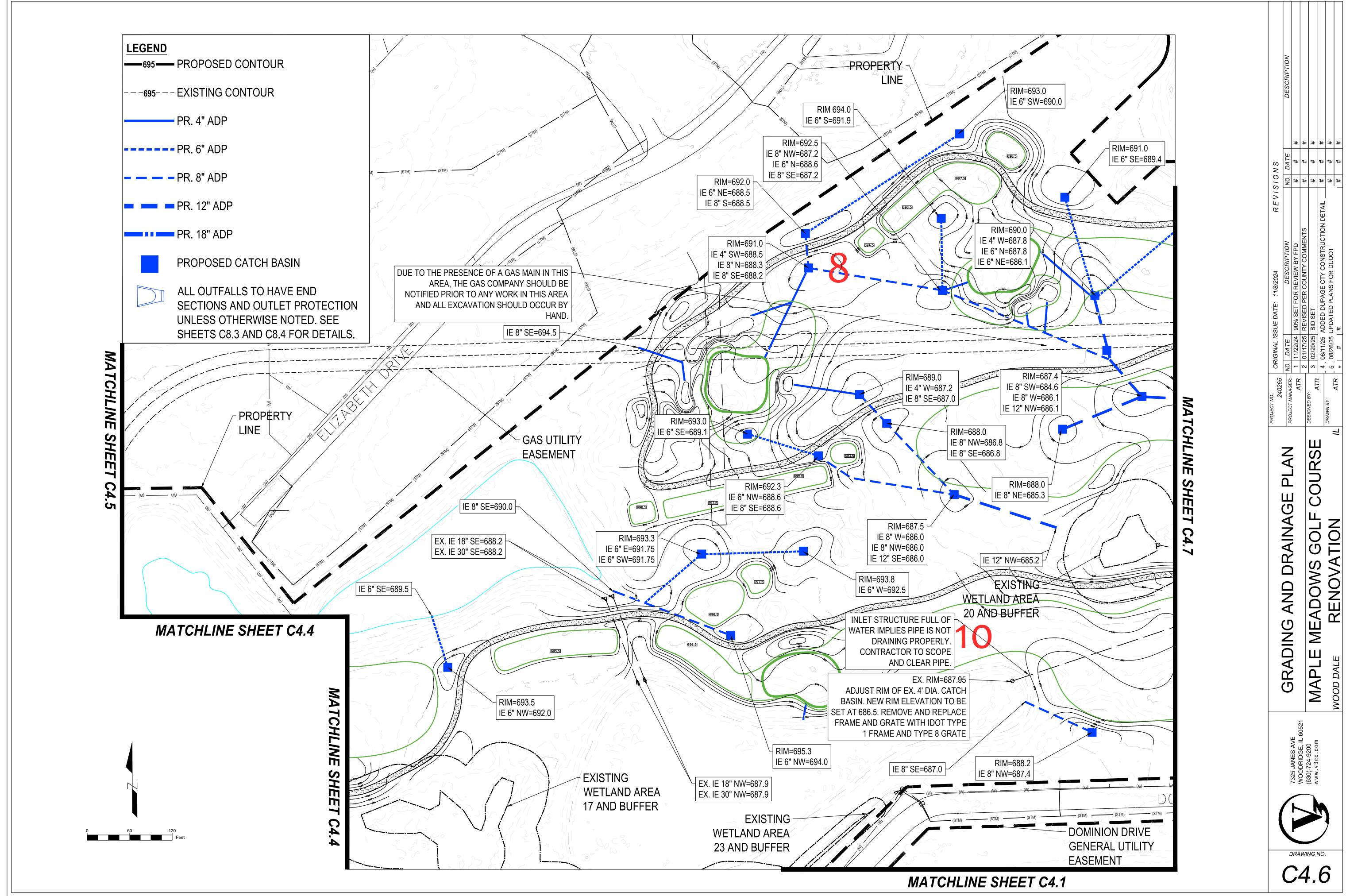


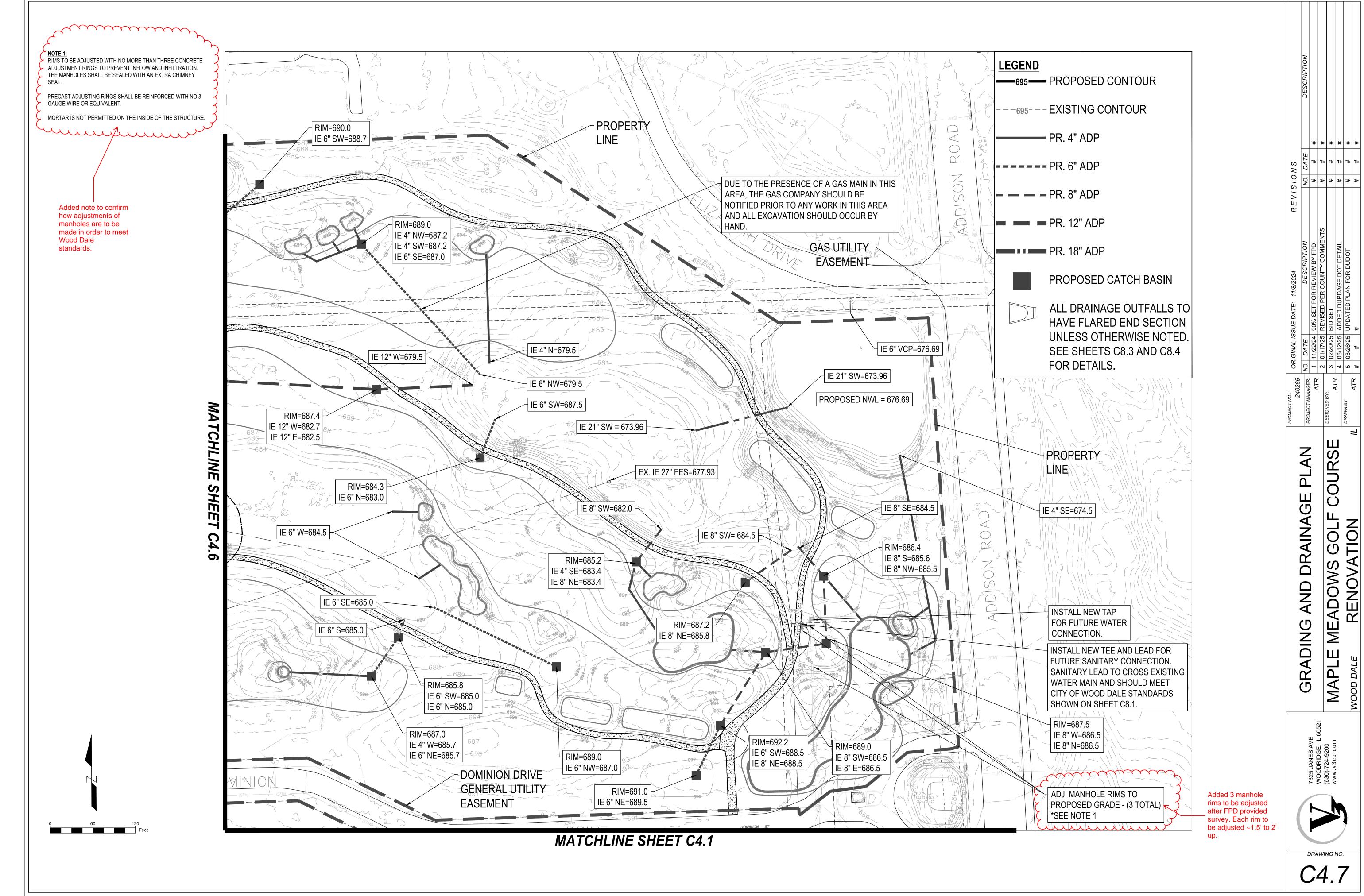


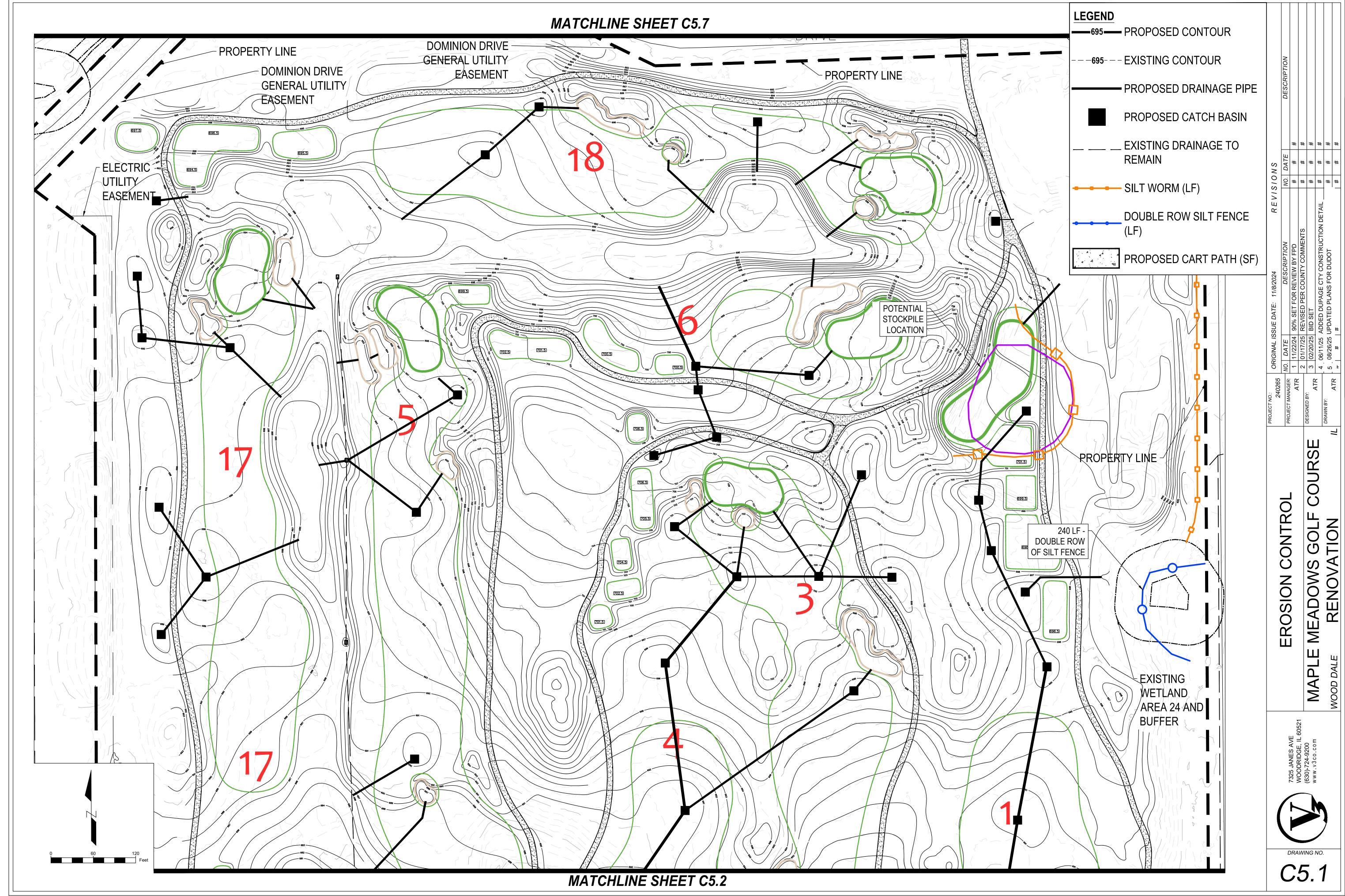


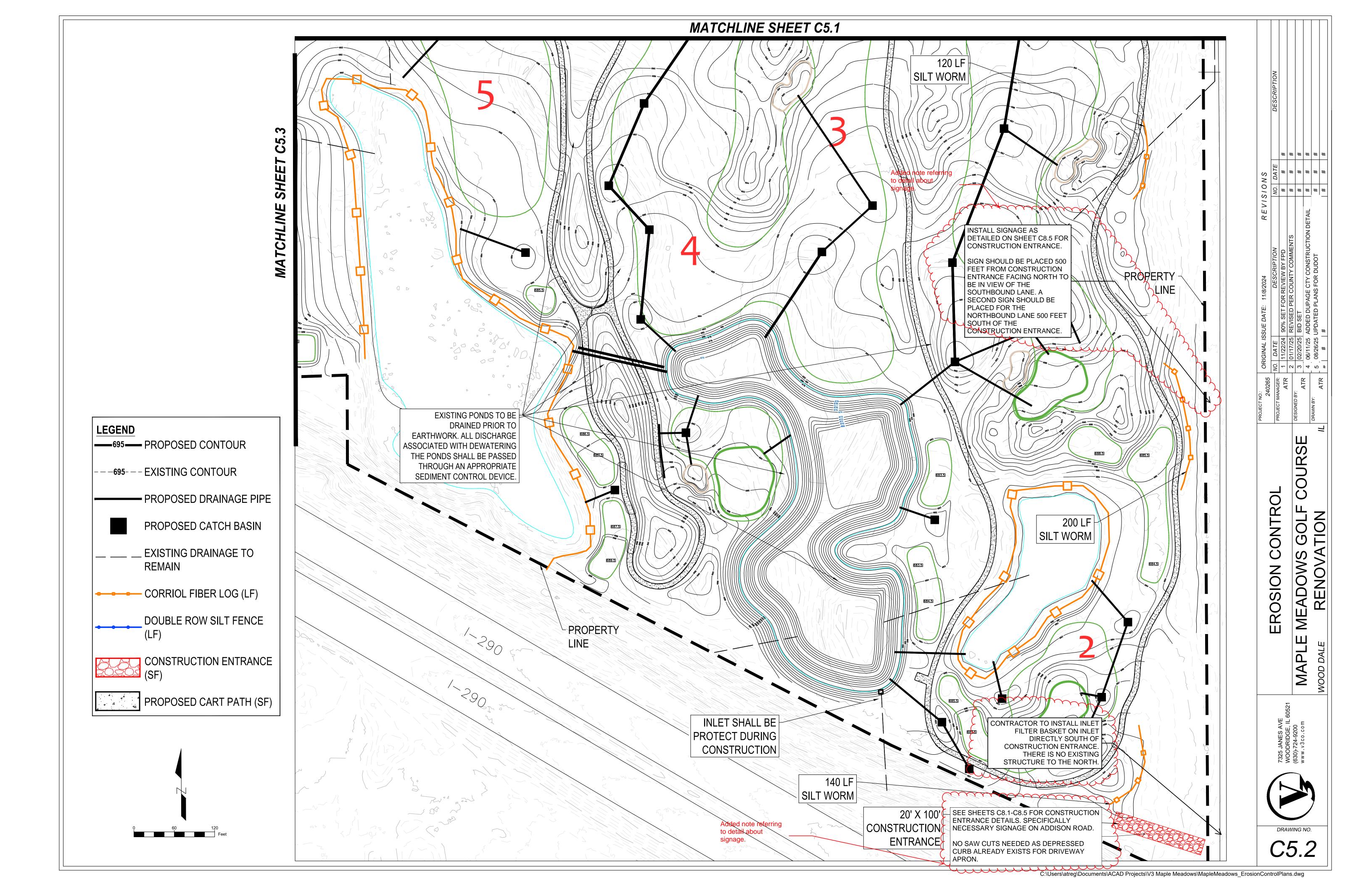


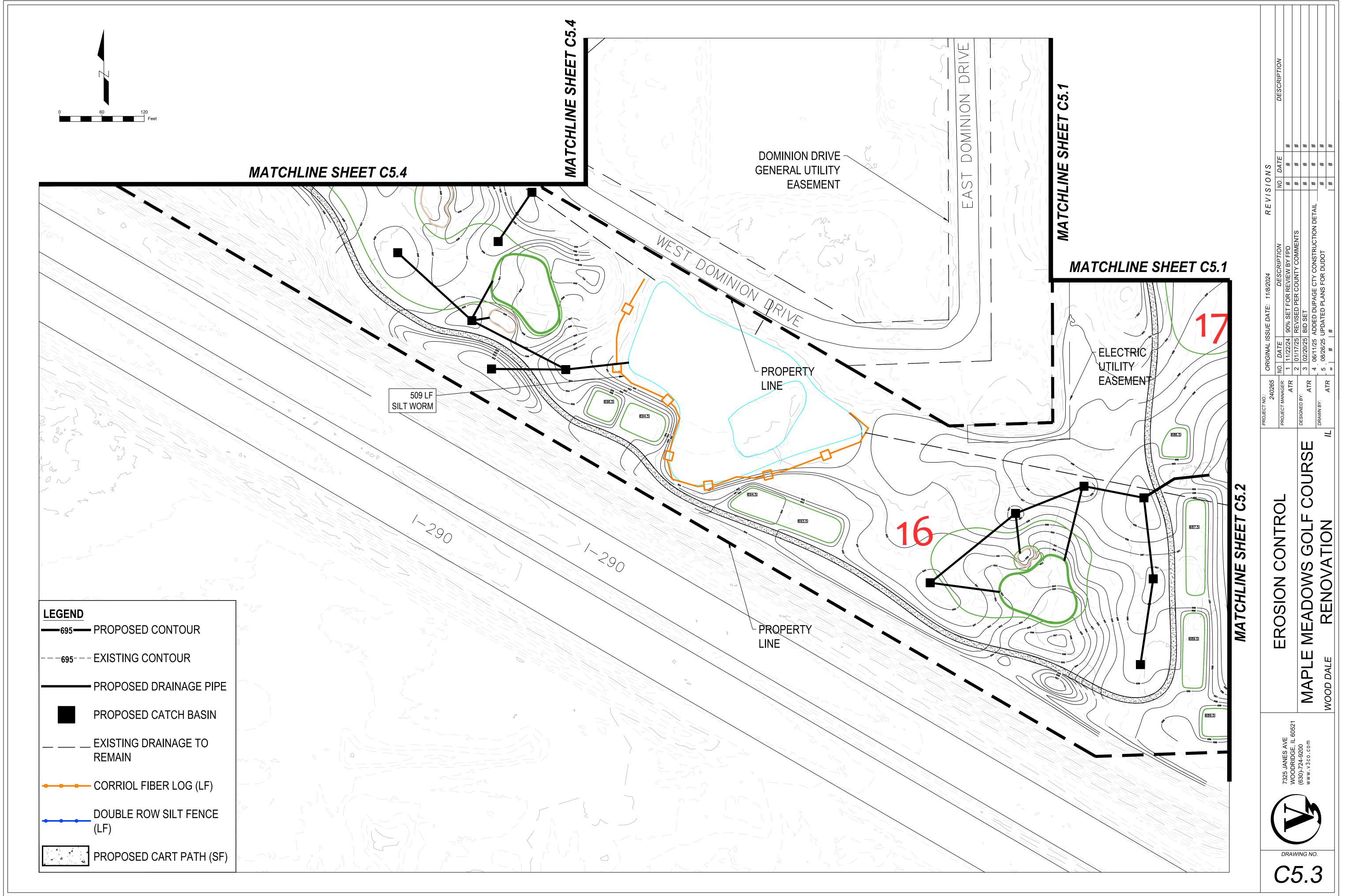


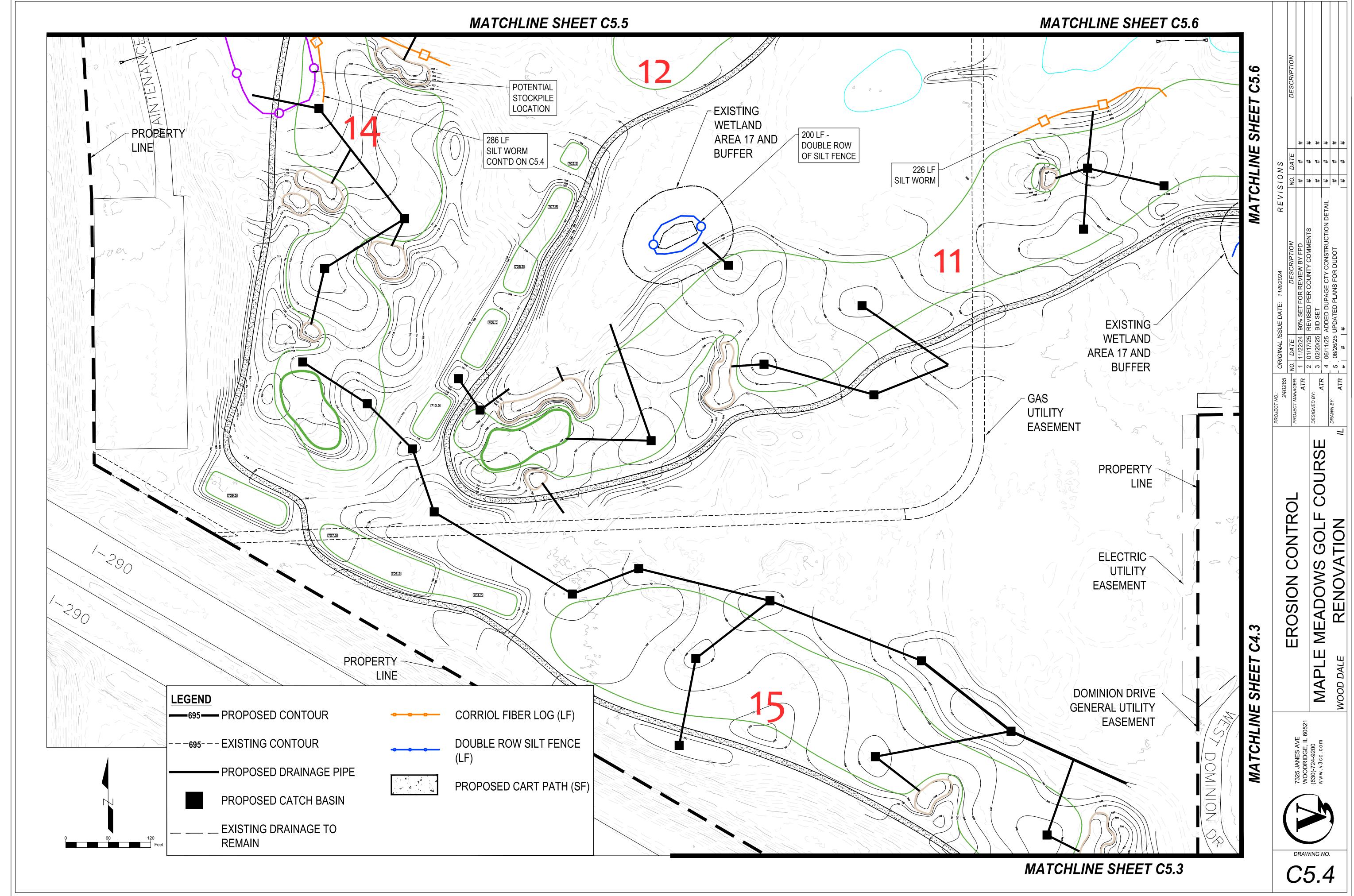


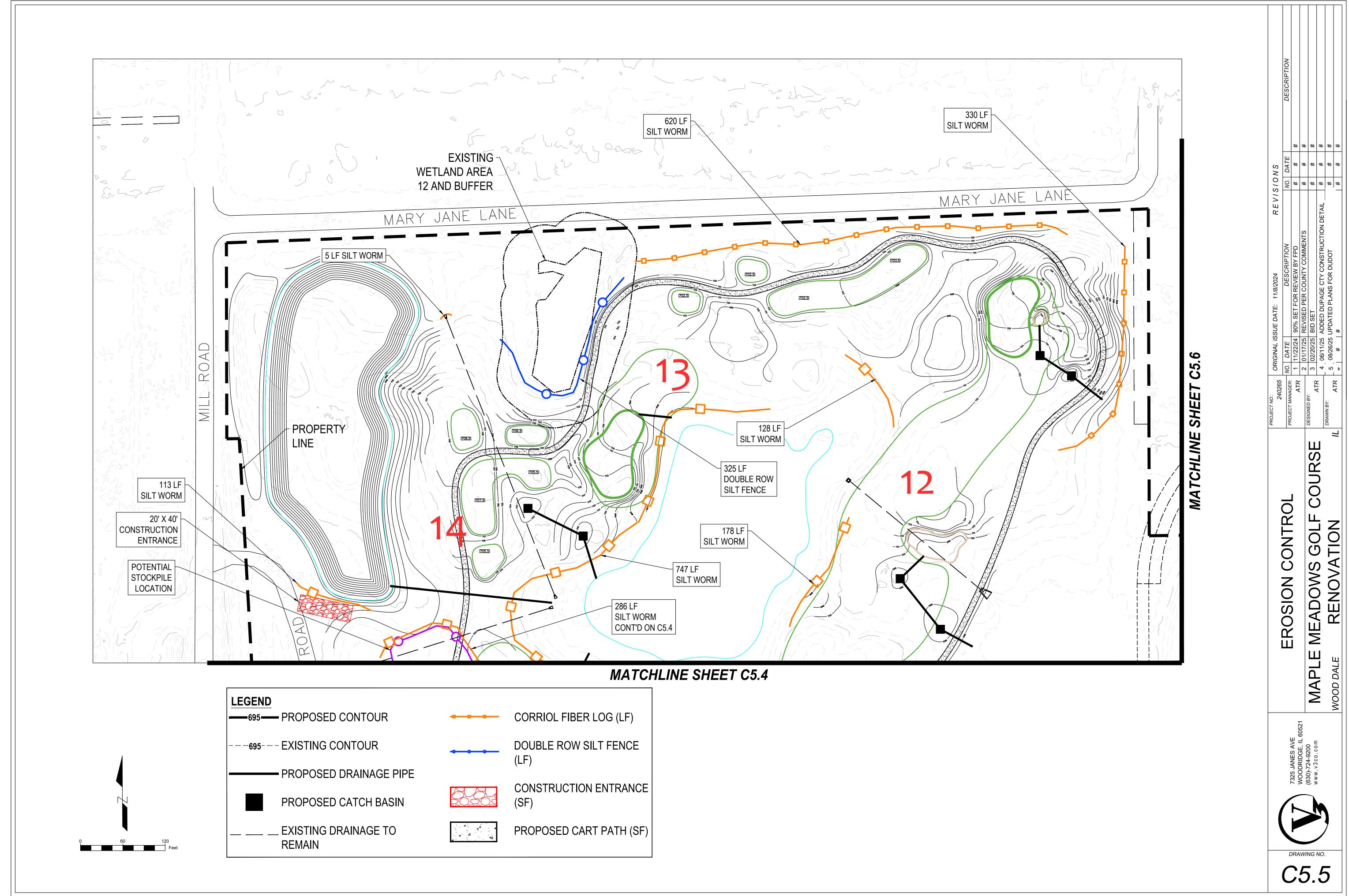


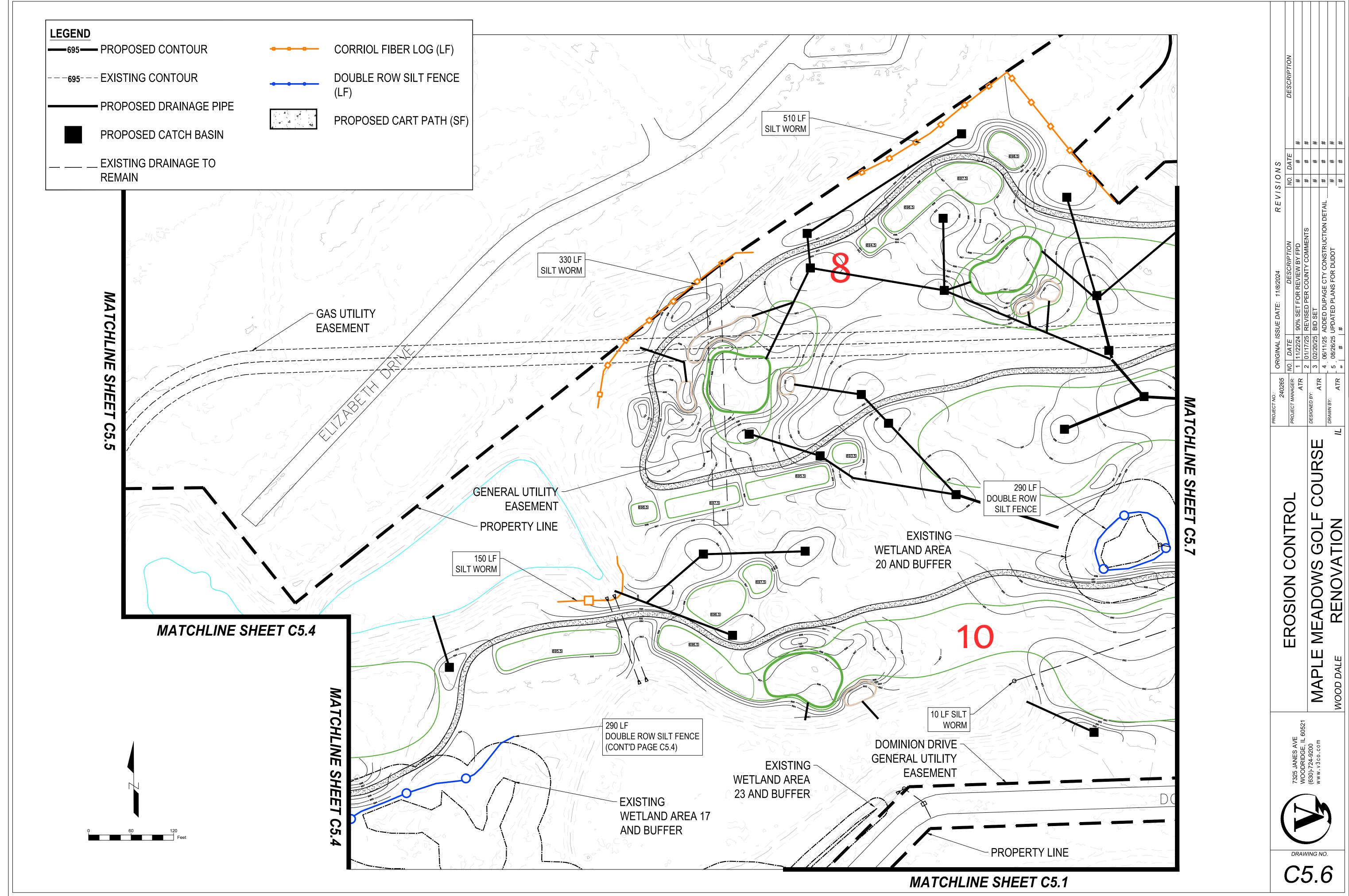


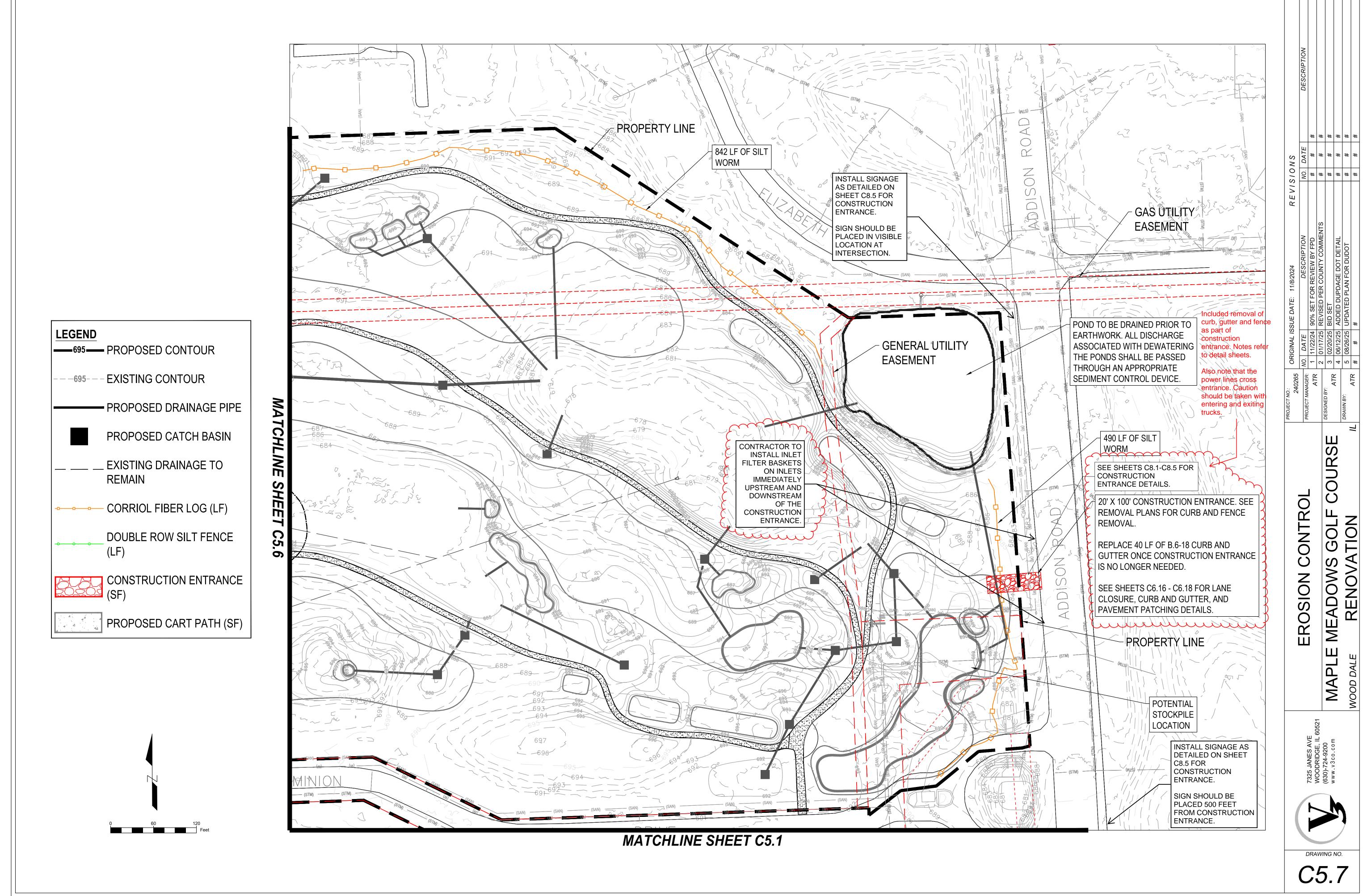












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EROSION CONTROL AND SWPPP NOTES

THIS PLAN HAS BEEN PREPARED TO COMPLY WITH THE NPDES PERMIT NUMBER ILR10, ISSUED BY THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY (IEPA) FOR STORMWATER DISCHARGES FROM CONSTRUCTION SITE ACTIVITIES. THE PERMITTEE MUST COMPLY WITH ALL CONDITIONS OF THE GENERAL PERMIT. ANY NON-COMPLIANCE CONSTITUTES A VIOLATION OF THE IEPA ACT AND THE CLEAN WATER ACT AND CAN BE GROUNDS FOR ENFORCEMENT ACTION, PERMIT REVOCATION, MODIFICATION, RE-ISSUANCE, TERMINATION, OR DENIAL OF A PERMIT RENEWAL.

1) PROJECT DESCRIPTION

- a) THE PROPOSED PROJECT INVOLVES GRADING
 IMPROVEMENTS TO THE FAIRWAYS, TEES, AND GREENS, NEW
 CART PATHS, THE INSTALLATION OF NEW DRAINAGE
 STRUCTURES AND AN IRRIGATION SYSTEM.
- b) THIS PLAN INDICATES AREAS WHERE NEW DRAINAGE STRUCTURES AND OUTFALLS WILL BE CONSTRUCTED AS WELL AS WHERE EROSION CONTROL PRACTICES ARE EXPECTED TO OCCUR.
- 2) THE RECEIVING WATERS ARE ON-SITE FLOOD CONTROL PONDS TRIBUTARY TO SALT CREEK IN WOOD DALE, IL.
- 3) CONSTRUCTION SEQUENCE.
- a) THE INTENDED SEQUENCE OF MAJOR ACTIVITIES WHICH DISTURB SOILS FOR MAJOR PORTIONS OF THE SITE IS: STABILIZATION OF CONSTRUCTION ENTRANCES AS NEEDED, STABILIZATION OF ALL DISTURBED AREA AND REMOVAL OF TEMPORARY EROSION CONTROL MEASURES.

3) CONTROLS.

ALL DISTURBED AREAS AND WORK AREAS MUST BE ISOLATED FROM WATER FEATURES AND WETLANDS AT ALL TIMES.

- a) EROSION AND SEDIMENT CONTROLS.
- i) STABILIZATION PRACTICES

*ANY DISTURBED AREAS OUTSIDE THE PROJECT LIMITS SHALL BE RESTORED WITH PERMANENT VEGETATION AS SOON AS PRACTICABLE.

- *THESE CONTROLS SHALL BE ACTIVELY MAINTAINED UNTIL FINAL STABILIZATION OF THOSE PORTIONS OF THE SITE. EXCEPT AS PROVIDED IN PARAGRAPHS (A) AND (B) BELOW, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN 1 DAY AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED.
- I. WHERE THE INITIATION OF STABILIZATION MEASURES BY THE 1ST DAY AFTER CONSTRUCTION ACTIVITY TEMPORARY OR PERMANENTLY CEASES IS PRECLUDED BY SNOW COVER, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE.
- II. WHERE CONSTRUCTION ACTIVITY WILL RESUME ON A PORTION OF THE SITE WITHIN 14 DAYS FROM WHEN ACTIVITIES CEASED, (E.G. THE TOTAL TIME PERIOD THAT CONSTRUCTION ACTIVITY IS TEMPORARILY CEASED IS LESS THAN 14 DAYS) THEN STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF SITE BY THE 1ST DAY AFTER CONSTRUCTION ACTIVITY TEMPORARILY CEASED.

*WINTER SHUTDOWN SHALL BE ADDRESSED EARLY IN THE FALL GROWING SEASON SO THAT SLOPES AND OTHER BARE EARTH AREAS MAY BE STABILIZED WITH TEMPORARY AND/OR PERMANENT VEGETATIVE COVER FOR PROPER EROSION AND SEDIMENT CONTROL.

b) STORM WATER MANAGEMENT

- i) DETENTION REQUIREMENTS. THE PROJECT DOES NOT REQUIRE STORMWATER DETENTION.
- c) OTHER CONTROLS.
- i) WASTE DISPOSAL. NO SOLID MATERIALS, INCLUDING BUILDING MATERIALS, SHALL BE DISCHARGED TO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.
- ii) THE CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH APPLICABLE STATE AND/OR LOCAL WASTE DISPOSAL AND SANITARY SEWER OR SEPTIC SYSTEM REGULATIONS.
- d) APPROVED STATE OR LOCAL PLANS.

EXCEPT WHERE MODIFIED ON THIS PLAN, ALL WORK PROPOSED HEREIN SHALL BE IN ACCORDANCE WITH

DUPAGE COUNTY STORMWATER ORDINANCES AND THE REQUIREMENTS CONTAINED IN THE ILLINOIS URBAN MANUAL, LATEST EDITION. IN THE EVENT OF CONFLICTING SPECIFICATIONS WITH REGARD TO SITE WORK ISSUES DESIGNED BY THE ENGINEER, THE MORE STRINGENT REQUIREMENT SHALL GOVERN.

4) MAINTENANCE.

- a) THE CONTRACTOR SHALL MAINTAIN THE SEDIMENT AND EROSION CONTROL MEASURES IDENTIFIED ON THIS PLAN UNTIL THE SITE IS STABILIZED. ITEMS IN NEED OF REPAIR SHALL BE ADDRESSED AS SOON AS PRACTICABLE.

 MAINTENANCE ITEMS INCLUDE CONSTRUCTION ENTRANCES, SHORE LINES AND VEGETATION THROUGHOUT THE SITE.
- 5) EROSION AND SEDIMENT CONTROL REQUIREMENTS:
- a) UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CONSTRUCTED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS IN THE ILLINOIS URBAN MANUAL REVISED FEBRUARY 2002.
- b) A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES
- c) PRIOR TO COMMENCING LAND-DISTURBING ACTIVITIES IN AREAS OTHER THAN INDICATED ON THESE PLANS (INCLUDING BUT NOT LIMITED TO, ADDITIONAL PHASES OF DEVELOPMENT AND OFF-SITE BORROW OR WASTE AREAS) A SUPPLEMENTARY EROSION CONTROL PLAN SHALL BE SUBMITTED TO THE OWNER FOR REVIEW.
- d) THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE M-LSWCD.
- e) DURING DEWATERING OPERATIONS, WATER WILL BE PUMPED INTO SEDIMENT BASINS OR SILT TRAPS. DEWATERING DIRECTLY INTO FIELD TILES OR STORMWATER STRUCTURES IS PROHIBITED.
- f) IT IS THE RESPONSIBILITY OF THE LANDOWNER AND/OR GENERAL CONTRACTOR TO INFORM ANY SUB-CONTRACTOR(S) WHO MAY PERFORM WORK ON THIS PROJECT, OF THE REQUIREMENTS IN IMPLEMENTING AND MAINTAINING THESE EROSION CONTROL PLANS AND THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT REQUIREMENTS SET FORTH BY THE ILLINOIS EPA."
- 6. VEHICULAR ACCESS TO THE SITE SHALL BE RESTRICTED TO A TEMPORARY GRAVEL CONSTRUCTION ENTRANCE, UNLESS OTHERWISE NOTED. THE TEMPORARY CONSTRUCTION ENTRANCE SHALL BE INSTALLED BEFORE THE START OF CONSTRUCTION AND SHALL REMAIN IN PLACE UNTIL RESTORATION IS COMPLETED.
- 6) ADDITIONAL EROSION AND SEDIMENT CONTROL REQUIREMENTS:
- a) ALL UNDISTURBED WETLAND, FLOODPLAIN, WATERS, AND BUFFER AREAS SHALL, AT A MINIMUM, HAVE A BARRIER OF PROTECTION. THE BARRIER SHALL BE PLACED AT THE LIMITS OF SOIL DISTURBANCE AND CONSIST OF:
- i) A ROW OF COCONUT FIBER LOG STAKED TO THE GROUND PER THE DETAIL IN THESE PLANS. THE STAKE SHOULD BE PLACED THROUGH THE MESH WRAPPING AND NOT THROUGH THE LOG ITSELF
- k) ANY SOIL REACHING A PUBLIC OR PRIVATE ROADWAY SHALL BE REMOVED IMMEDIATELY, OR AS WARRANTED, AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA.
- I) SOIL STOCKPILES SHALL NOT BE LOCATED IN A DRAINAGE WAY, FLOODPLAIN AREA OR A DESIGNATED BUFFER, UNLESS OTHERWISE APPROVED, UNDER SPECIFIC CONDITIONS TO BE ESTABLISHED BY THE ENGINEER.
- m) STOCKPILES TO REMAIN IN PLACE MORE THAN THREE (3)
 DAYS SHALL BE PROVIDED WITH SOIL EROSION AND
 SEDIMENT CONTROL MEASURES.
- n) ADEQUATE RECEPTACLES FOR THE DEPOSITION OF ALL CONSTRUCTION DEBRIS GENERATED DURING THE DEVELOPMENT PROCESS SHALL BE PROVIDED.
- o) ALL FLARED END SECTIONS SHALL BE PROTECTED BY EROSION CONTROL BARRIER UNTIL GROUNDCOVER HAS BEEN ESTABLISHED. FILTER FABRIC OR FILTER BASKETS SHALL BE INSTALLED UNDER ALL INLET AND CATCH BASIN GRATES AND SHALL BE MAINTAINED UNTIL GROUNDCOVER HAS BEEN

ESTABLISHED.

- p) THE CONTRACTOR SHALL PLACE ALL TEMPORARY CONSTRUCTION FENCING, TREE PROTECTION FENCING, SILT FENCING AND PERFORM ALL TREE ROOT PRUNING PRIOR TO THE START OF CONSTRUCTION.
- q) ALL SLOPES REQUIRING EROSION CONTROL BLANKET SHALL BE BLANKETED WITH MATERIALS MEETING THE SPECIFICATIONS OF TENSAR NORTH AMERICAN GREEN BIONET S75BN, UNLESS OTHERWISE NOTED. THE BLANKET SHALL BE SECURED USING BIODEGRADEABLE ECOSTAKES, AND MUST BE APPROVED BY THE PROJECT REPRESENTATIVE PRIOR TO INSTALLATION.
- r) ALL AREAS DISTURBED BY CONSTRUCTION SHALL BE RESTORED TO EQUAL OR BETTER CONDITION.

7) MAINTENANCE.

a) THE CONTRACTOR SHALL MAINTAIN THE SEDIMENT AND EROSION CONTROL MEASURES IDENTIFIED ON THIS PLAN UNTIL THE SITE IS STABILIZED. ITEMS IN NEED OF REPAIR SHALL BE ADDRESSED AS SOON AS PRACTICABLE.

MAINTENANCE ITEMS INCLUDE CONSTRUCTION ENTRANCES, SHORELINES AND VEGETATION THROUGHOUT THE SITE.

8) INSPECTIONS

- a) QUALIFIED PERSONNEL (PROVIDED BY THE PERMITTEE) SHALL INSPECT DISTURBED AREAS OF THE CONSTRUCTION SITE THAT HAVE NOT BEEN FINALLY STABILIZED, STRUCTURAL CONTROL MEASURES, AND LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.5 INCHES OR GREATER OR EQUIVALENT SNOWFALL. QUALIFIED PERSONNEL MEANS A PERSON KNOWLEDGEABLE IN THE PRINCIPLES AND PRACTICE OF EROSION AND SEDIMENT CONTROLS, SUCH AS A LICENSED PROFESSIONAL ENGINEER OR OTHER KNOWLEDGEABLE PERSON WHO POSSESSES THE SKILLS TO ASSESS CONDITIONS AT THE CONSTRUCTION SITE THAT COULD IMPACT STORM WATER QUALITY AND TO ASSESS THE EFFECTIVENESS OF ANY SEDIMENT AND EROSION CONTROL MEASURES SELECTED TO CONTROL THE QUALITY OF STORM WATER DISCHARGES FROM THE CONSTRUCTION ACTIVITIES.
- b) DISTURBED AREAS AND AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION SHALL BE INSPECTED FOR EVIDENCE 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 SHALL 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 EVIDENCE OF OFFSITE SEDIMENT TRACKING.
- c) BASED ON THE RESULTS OF THE INSPECTION, THE DESCRIPTION OF POTENTIAL POLLUTANT SOURCES IDENTIFIED IN THE PLAN IN ACCORDANCE WITH PARAGRAPH 1 (SITE DESCRIPTION) OF THESE NOTES AND POLLUTION PREVENTION MEASURES IDENTIFIED IN THE PLAN IN ACCORDANCE WITH PARAGRAPH 3 (CONTROLS) OF THESE NOTES SHALL BE REVISED AS APPROPRIATE AS SOON AS PRACTICABLE AFTER SUCH INSPECTION. SUCH MODIFICATIONS SHALL PROVIDE FOR TIMELY IMPLEMENTATION OF ANY CHANGES TO THE PLAN WITHIN 7 CALENDAR DAYS FOLLOWING THE INSPECTION.
- d) 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 THE STORM WATER POLLUTION PREVENTION PLAN, AND ACTIONS TAKEN IN ACCORDANCE WITH PARAGRAPH B ABOVE SHALL BE MADE AND RETAINED AS PART OF THE STORM WATER POLLUTION PREVENTION PLAN FOR AT LEAST THREE YEARS FROM THE DATE THAT THE PERMIT COVERAGE EXPIRES OR IS TERMINATED. THE REPORT SHALL BE SIGNED BY THE PERMITTEE.
- e) THE PERMITTEE SHALL COMPLETE AND SUBMIT WITHIN 5 DAYS AN "INCIDENCE OF NONCOMPLIANCE" (ION) REPORT FOR ANY VIOLATION OF THE STORM WATER POLLUTION PREVENTION PLAN OBSERVED DURING AN INSPECTION CONDUCTED,

INCLUDING THOSE NOT REQUIRED BY THE PLAN. SUBMISSION SHALL BE ON FORMS PROVIDED BY THE AGENCY AND INCLUDE SPECIFIC INFORMATION 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.

- f) ALL REPORTS OF NONCOMPLIANCE SHALL BE SIGNED BY THE PERMITTEE.
- g) REPORTS OF NONCOMPLIANCE SHALL BE MAILED TO THE AGENCY AT THE FOLLOWING ADDRESS:
- ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
- DIVISION OF WATER POLLUTION CONTROL COMPLIANCE ASSURANCE SECTION 1021
- NORTH GRAND AVENUE EAST
- POST OFFICE BOX
- 19276 SPRINGFIELD, ILLINOIS 62794-9276

9) NON-STORMWATER DISCHARGES

- a) THE FOLLOWING SOURCES OF NON-STORMWATER MAY BE COMBINED WITH STORMWATER DISCHARGES ASSOCIATED WITH THE INDUSTRIAL ACTIVITY ADDRESSED IN THIS PLAN.
- FIREFIGHTING ACTIVITIES, WATER MAIN/ HYDRANT FLUSHING, WATERING FOR DUST CONTROL, IRRIGATION, DRAINAGE FOR VEGETATIVE GROWTH, WASH WATER WHERE DETERGENTS ARE NOT USED. UNCONTAMINATED GROUND WATER
- b) NON-FIREFIGHTING DISCHARGES FROM WATER MAINS AND PUMPS SHALL NOT BE PERMITTED TO FLOW DIRECTLY ONTO THE SOIL WITHOUT ENERGY DISSIPATERS SUFFICIENT TO REDUCE VELOCITIES TO A NON-EROSIVE RATE. ALL SITE DE-WATERING, INCLUDING PUMP DISCHARGE SHALL PASS THROUGH SEDIMENT CONTROL DEVICES PRIOR TO LEAVING THE SITE.

10) RETENTION OF RECORDS

- a) THE PERMITTEE SHALL RETAIN COPIES OF STORM WATER POLLUTION PREVENTION PLANS AND ALL REPORTS AND NOTICES REQUIRED BY THIS PERMIT, AND RECORDS OF ALL DATA USED TO COMPLETE THE NOTICE OF INTENT TO BE COVERED BY THIS PERMIT, FOR A PERIODS OF AT LEAST THREE YEARS FROM THE DATE THAT THE PERMIT COVERAGE EXPIRES OR IS TERMINATED. THIS PERIOD MAY BE EXTENDED BY REQUEST OF THE AGENCY AT ANY TIME.
- b) THE PERMITTEE SHALL RETAIN A COPY OF THE STORM WATER POLLUTION PREVENTION PLAN REQUIRED BY THIS PERMIT AT THE CONSTRUCTION SITE FROM THE DATE OF PROJECT INITIATION TO THE DATE OF FINAL STABILIZATION.

11) NOTICE OF TERMINATION

UPON FINAL STABILIZATION OF THE SITE THE PERMITTEE SHALL SUBMIT A COMPLETED NOTICE OF TERMINATION IN ACCORDANCE WITH NPDES PERMIT NO. ILR10.

12) CERTIFICATION STATEMENT.

COMPANY

ADDRESS

- THE FOLLOWING STATEMENT SHALL BE SIGNED PRIOR TO ANY WORK AUTHORIZED BY NPDES PERMIT NO. ILR10 IS PERFORMED AT THE SITE. THE UNDERSIGNED IS RESPONSIBLE FOR IMPLEMENTATION OF ALL MEASURES IDENTIFIED ON THIS PLAN.
- I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND THE TERMS AND CONDITIONS OF THE GENERAL NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT (ILR10) THAT AUTHORIZES THE STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY FROM THE CONSTRUCTION SITE IDENTIFIED AS PART OF THIS CERTIFICATION.

DATED THIS	_DAY
OF	,
BY	
TITLE	

TELEPHONE_____

SONTROL AND SWPPP	PROJECT NO.: 240265	ORIGINAL ISS	ORIGINAL ISSUE DATE: 11/8/2024
	PRO JECT MANAGER:	NO. DATE	DESCRIPTION
UHCZ	ATR	1 11/22/24	1 11/22/24 90% SET FOR REVIEW BY FPD
		2 01/17/25	2 01/17/25 REVISED PER COUNTY COMMENT
TAMO TO TIPOE	DESIGNED BY:	3 02/20/25 BID SET	BID SET
)	AIA	4 06/11/25 /	4 06/11/25 ADDED DUPAGE CTY CONSTRUCTION
	DRAWN BY:	5 08/26/25 L	5 08/26/25 UPDATED PLANS FOR DUDOT
FINOVALION	- ATR		

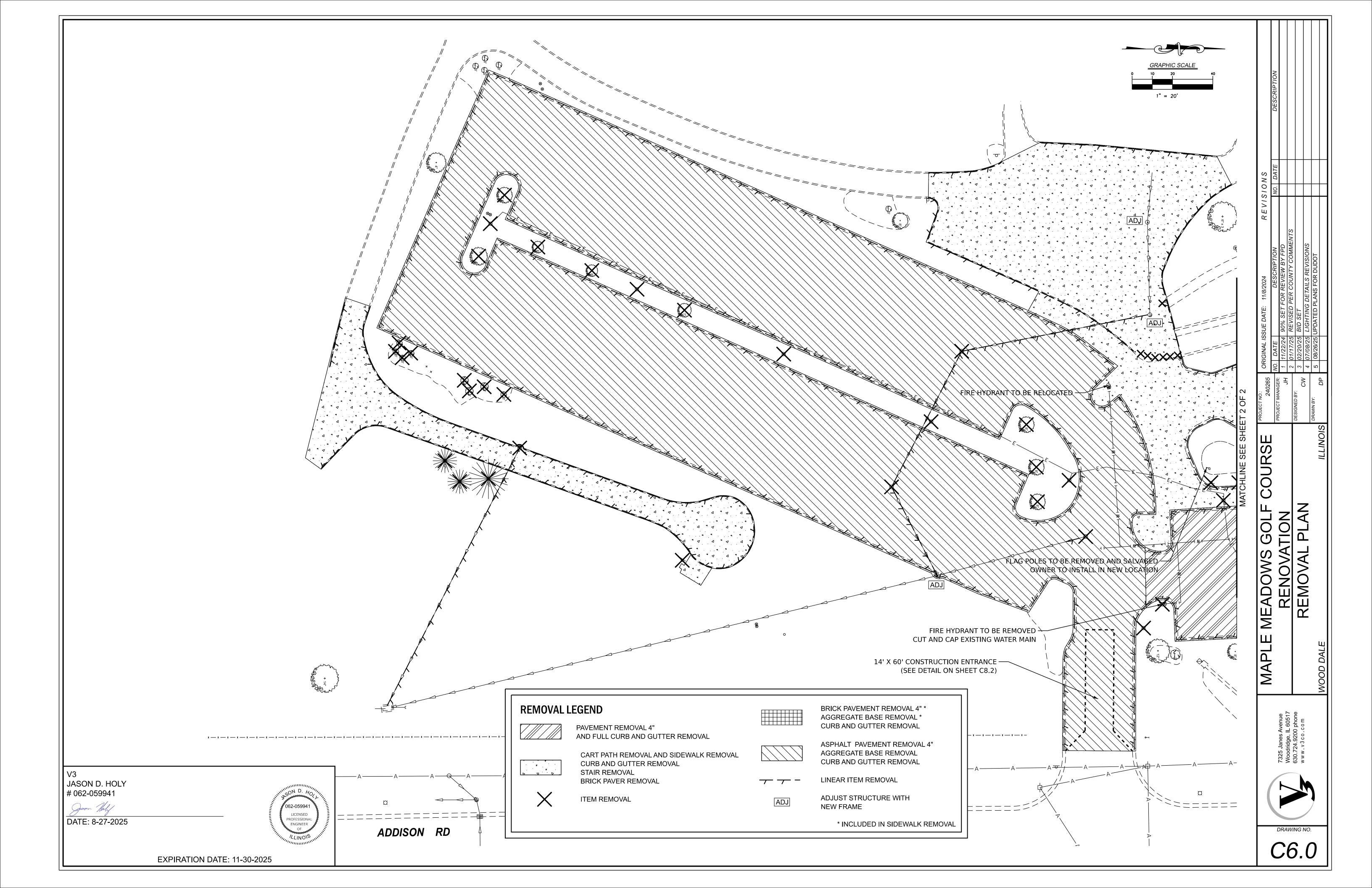
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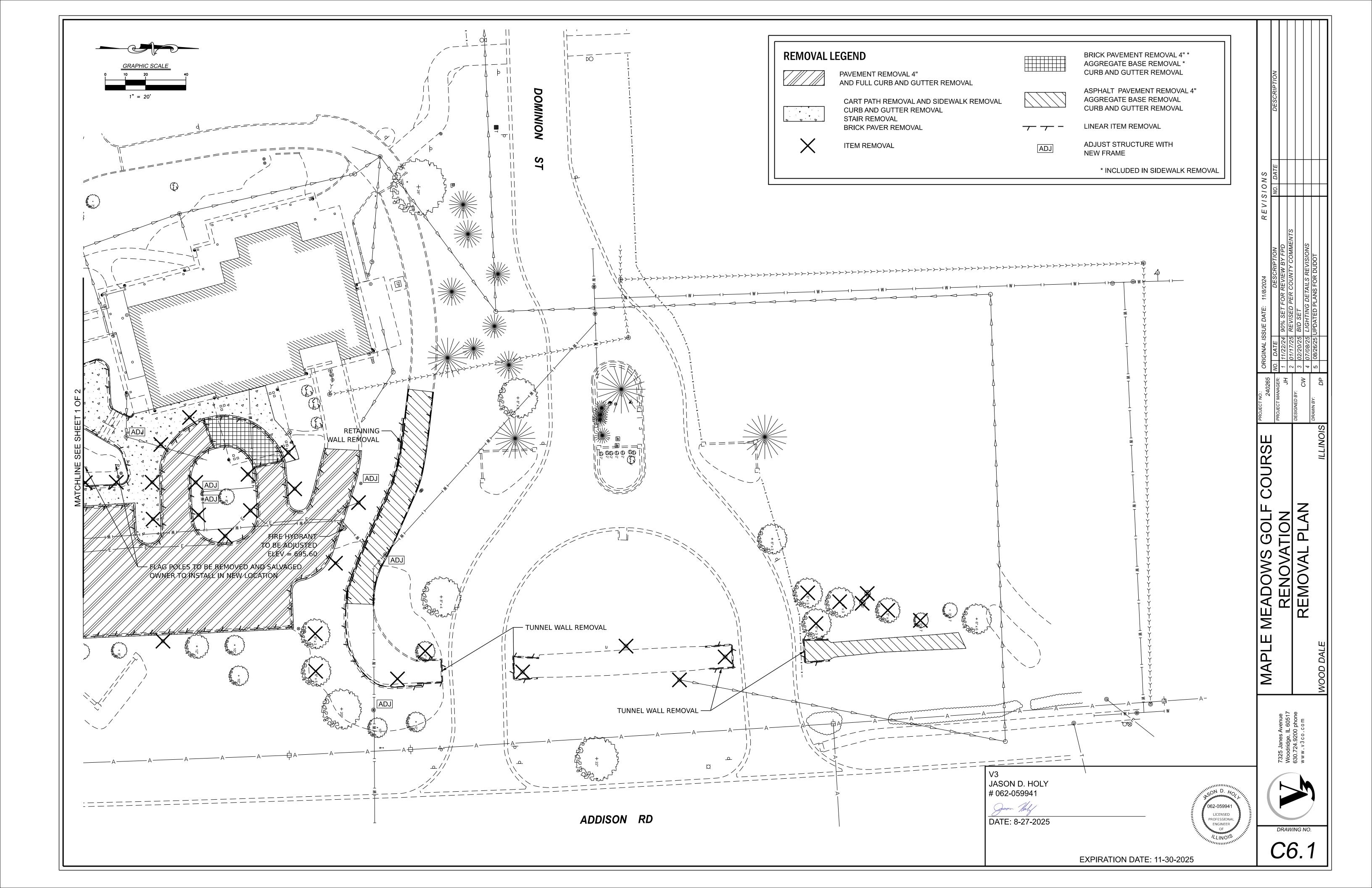
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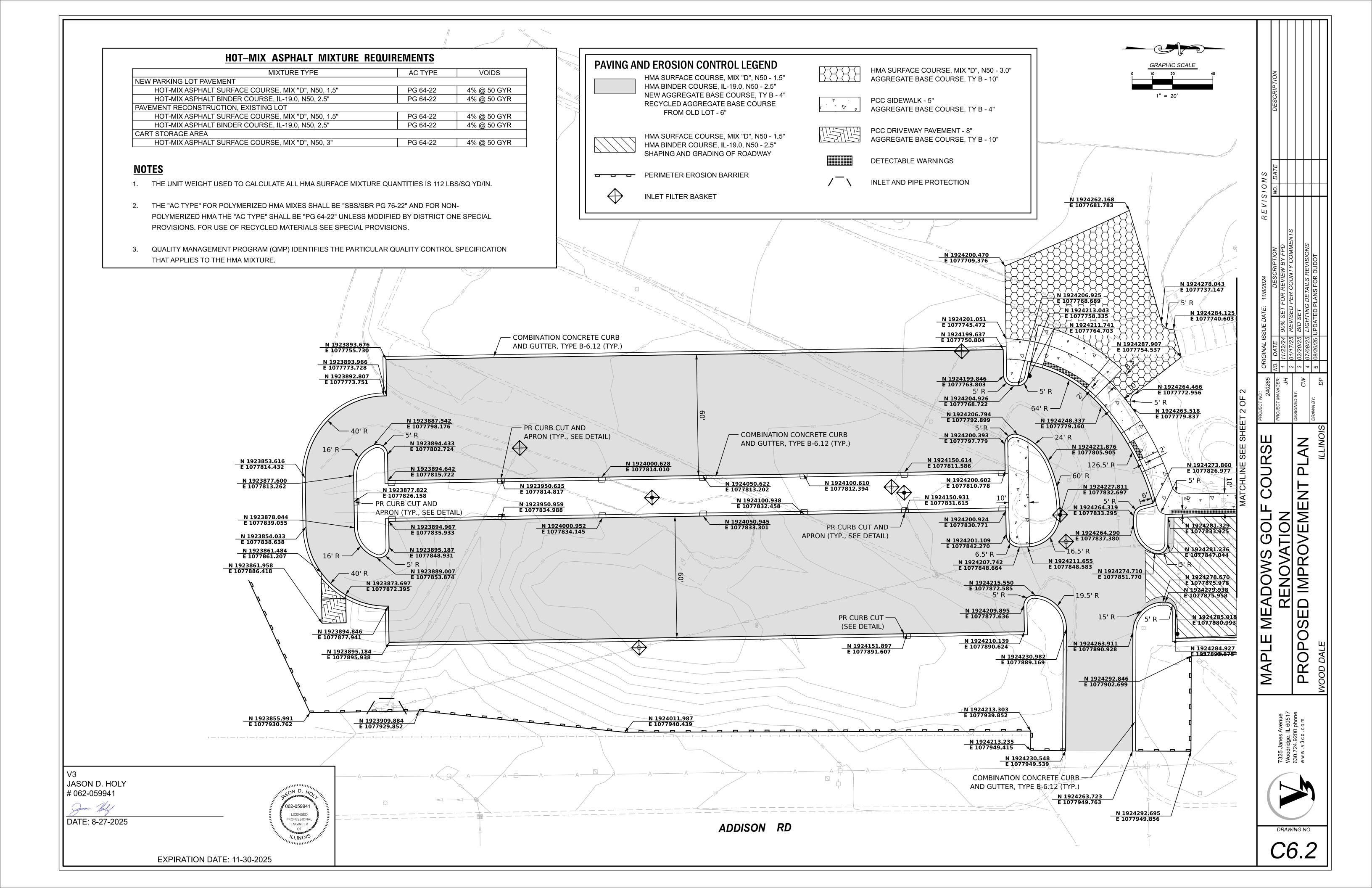
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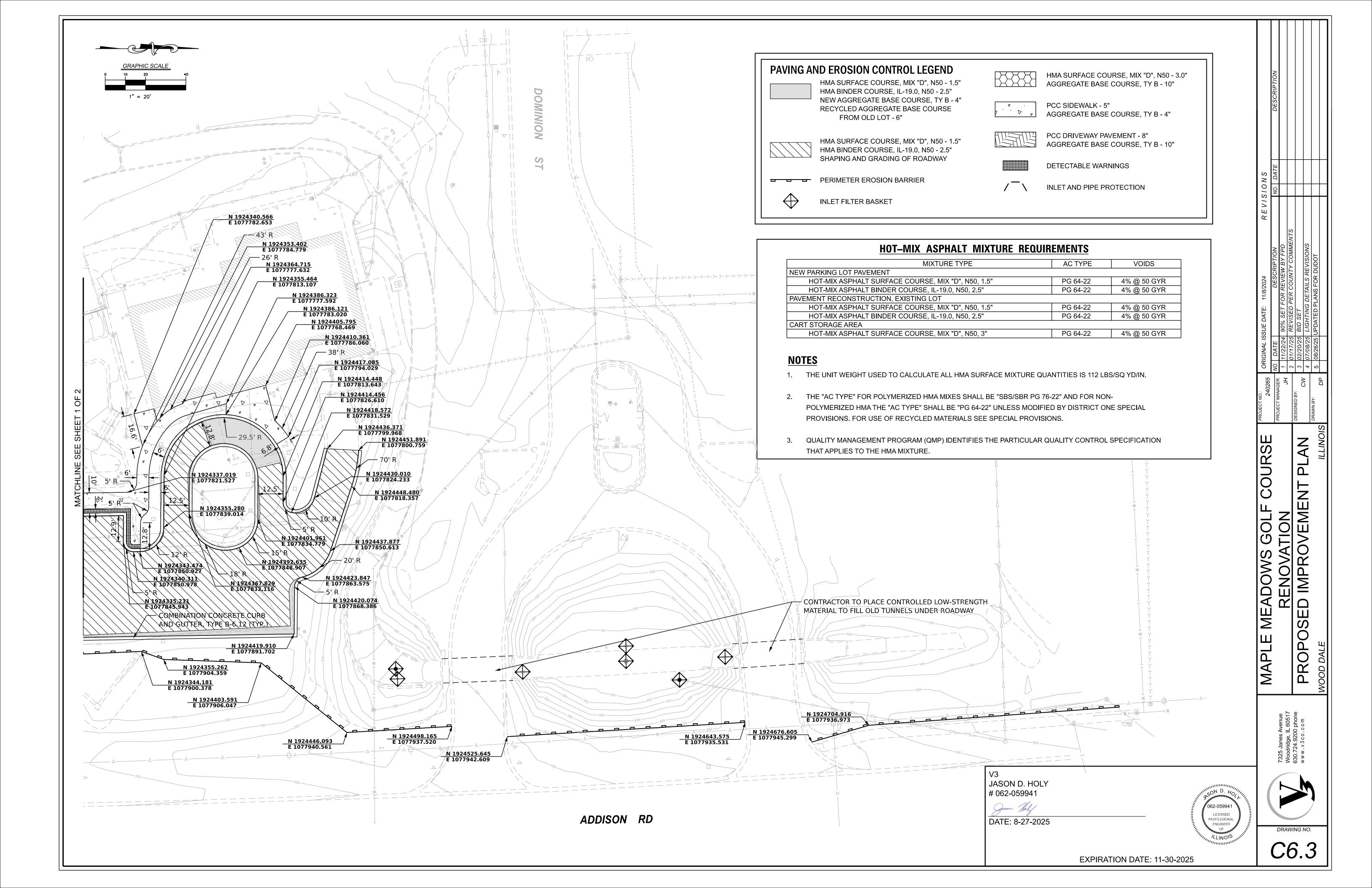
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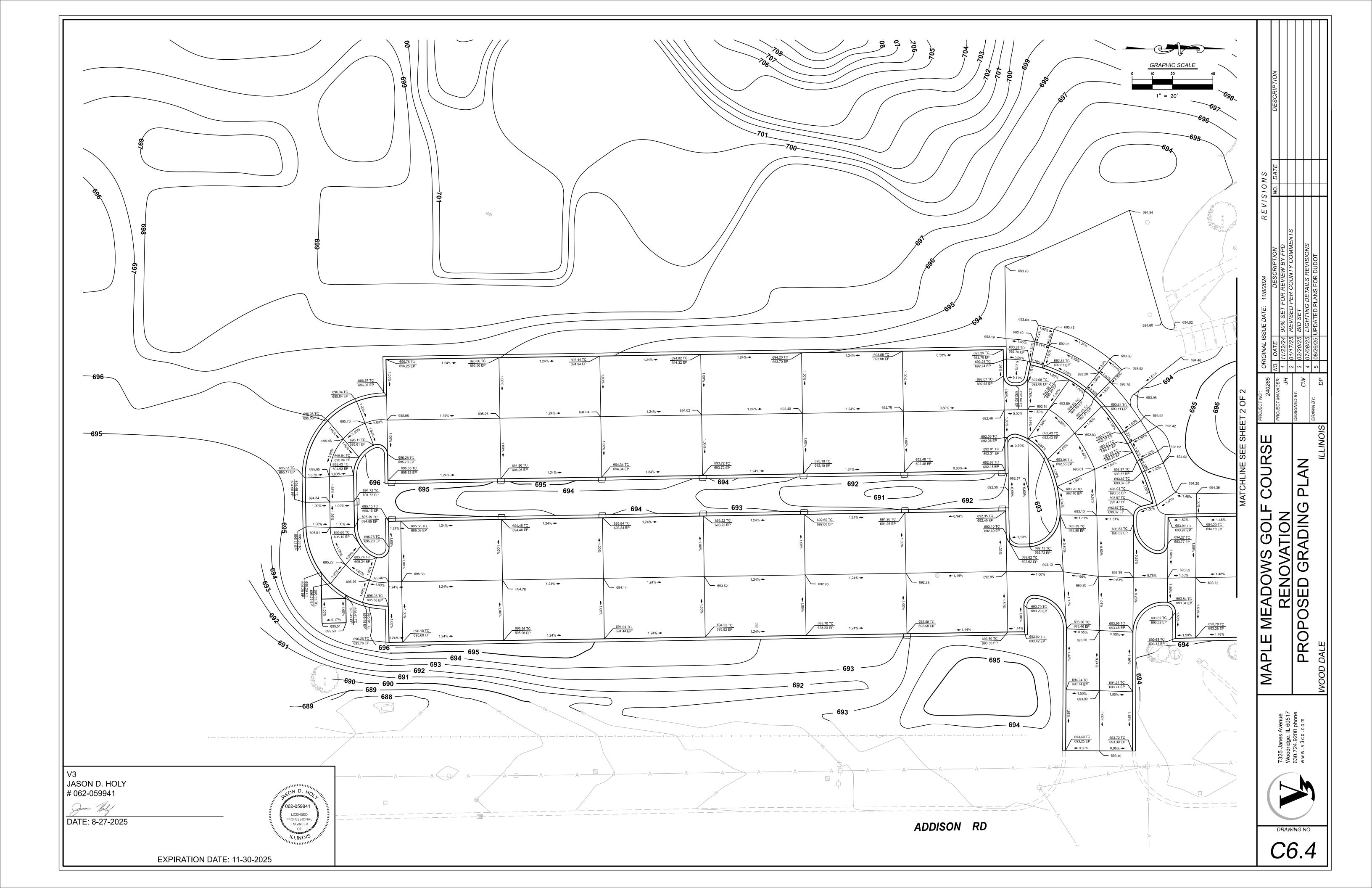
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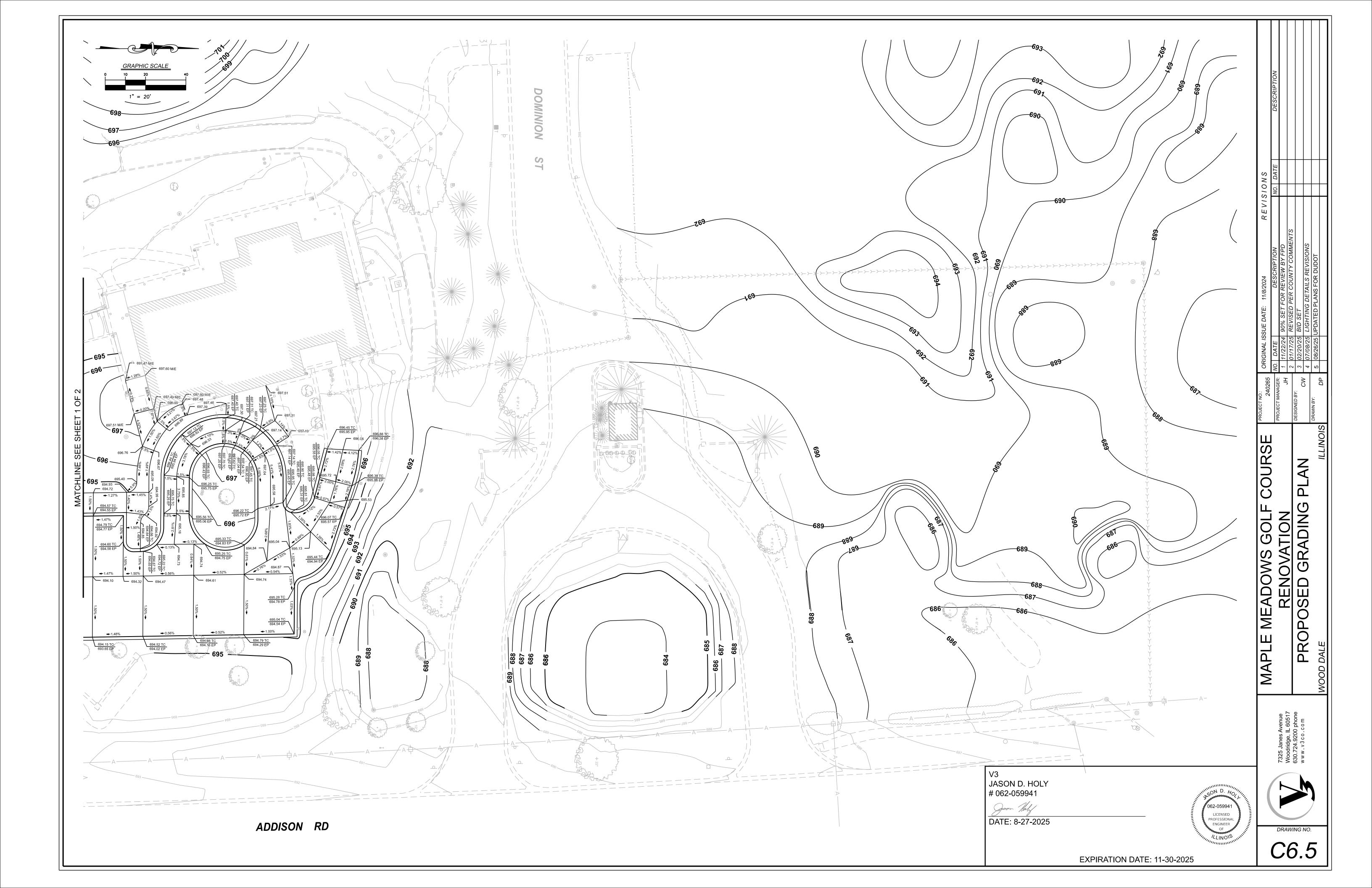


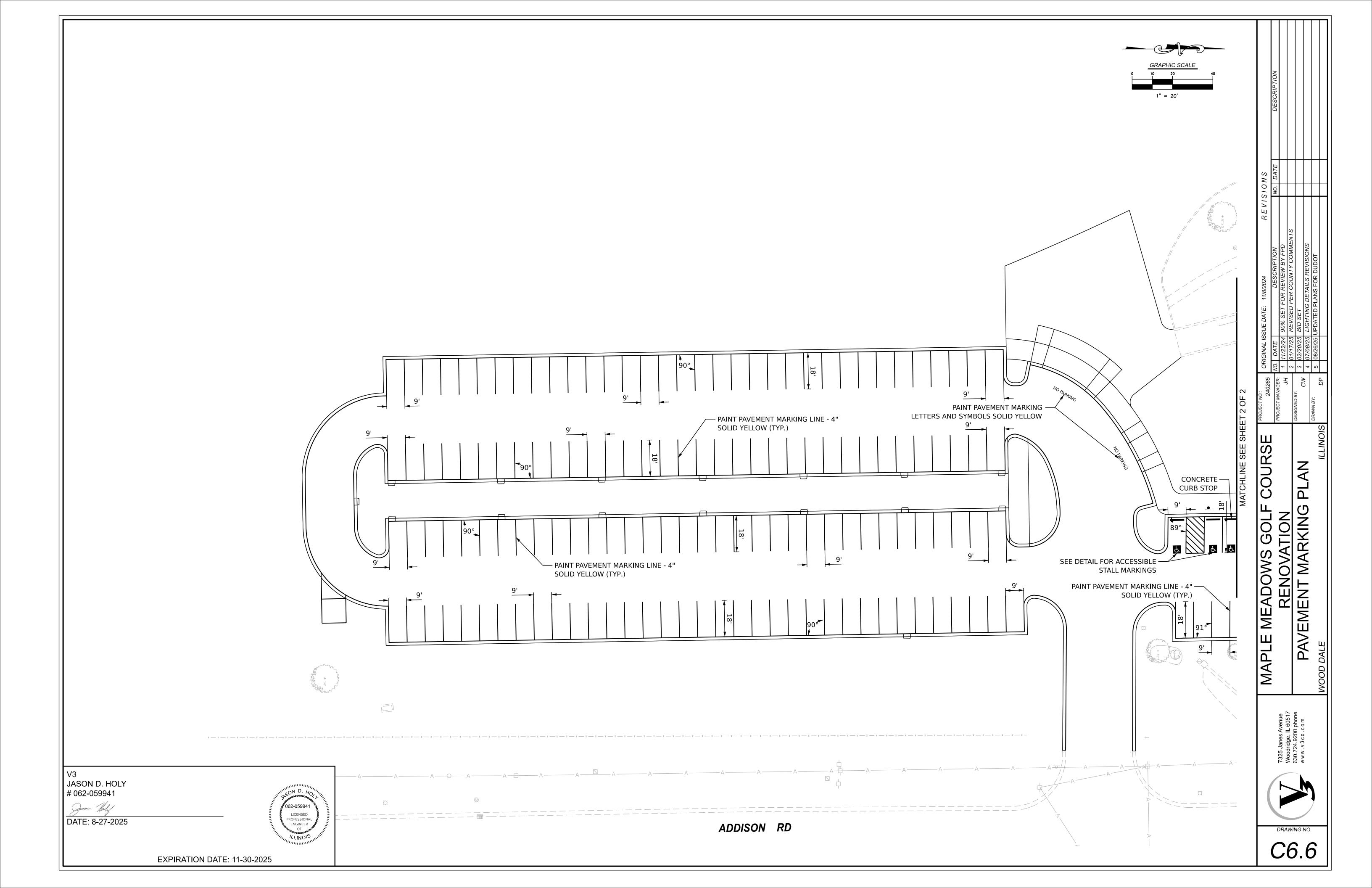


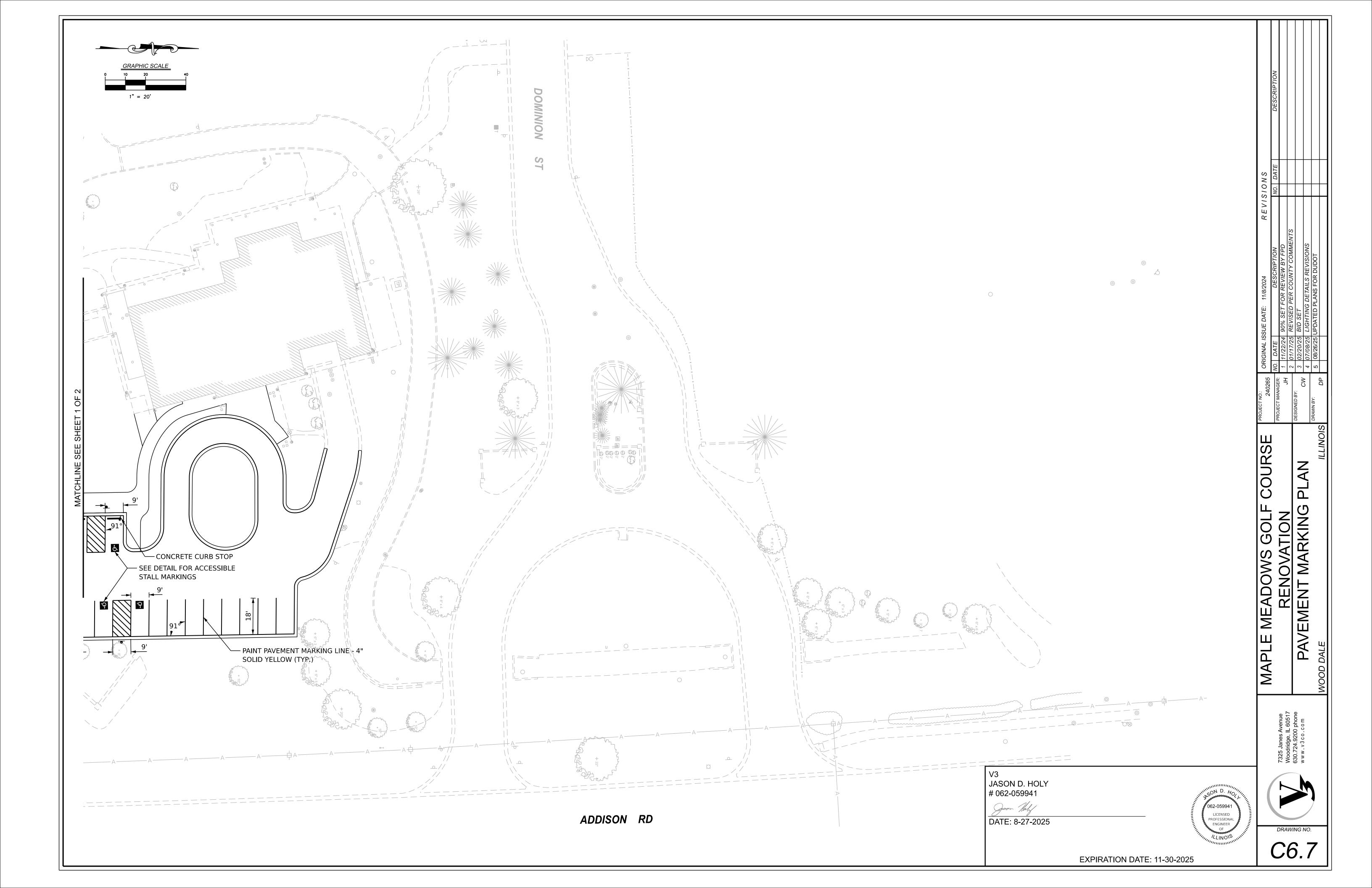


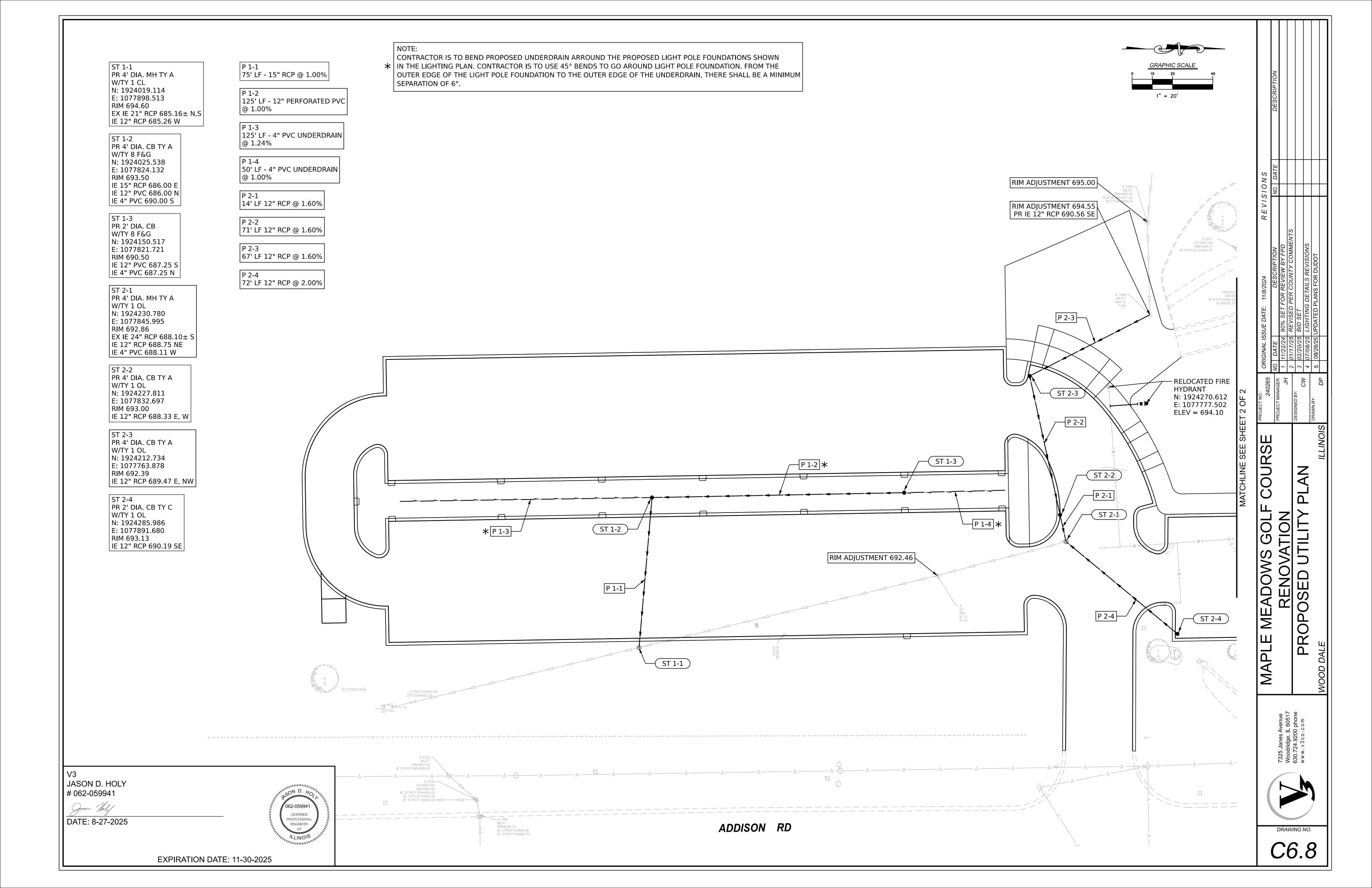


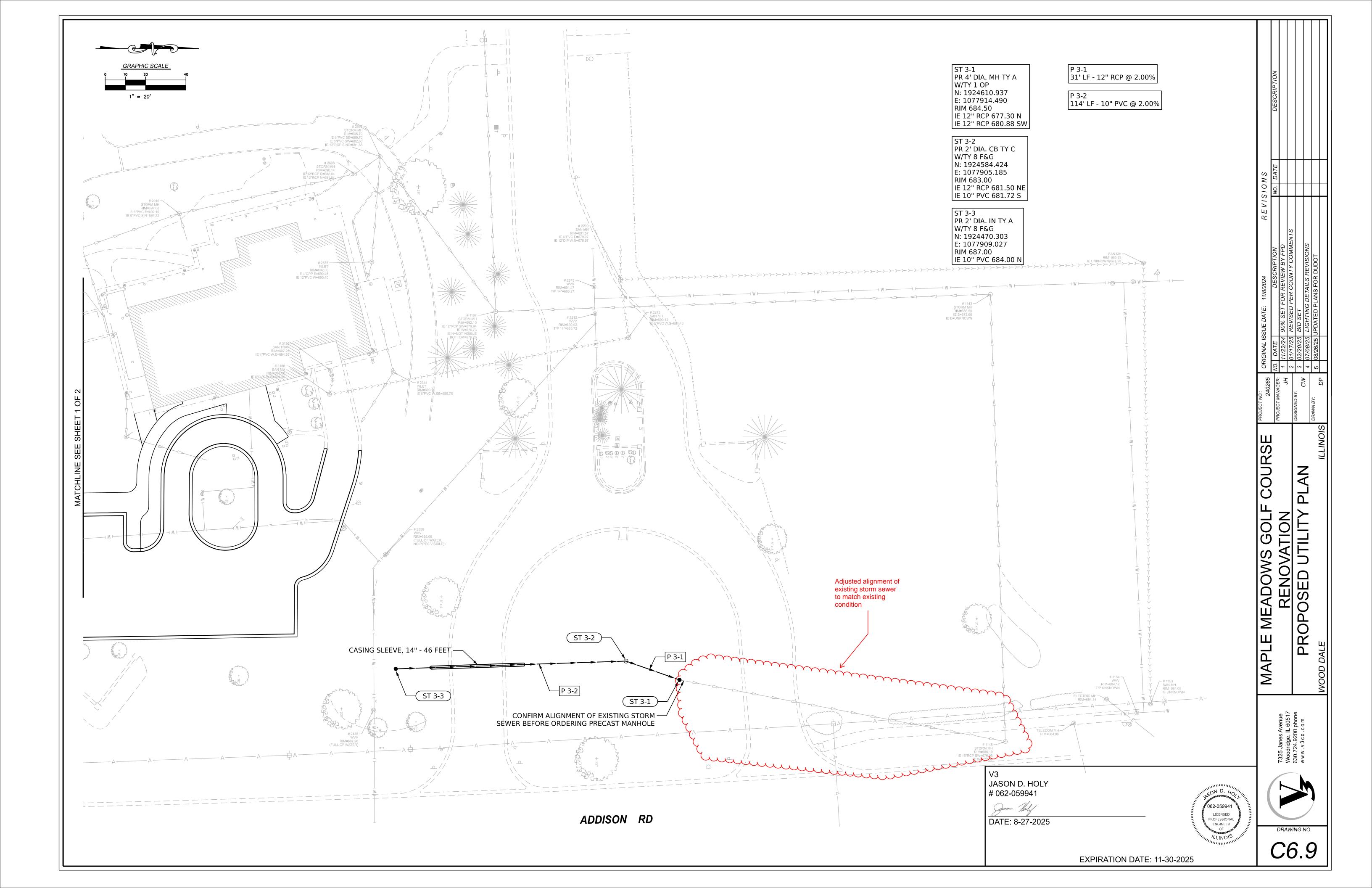




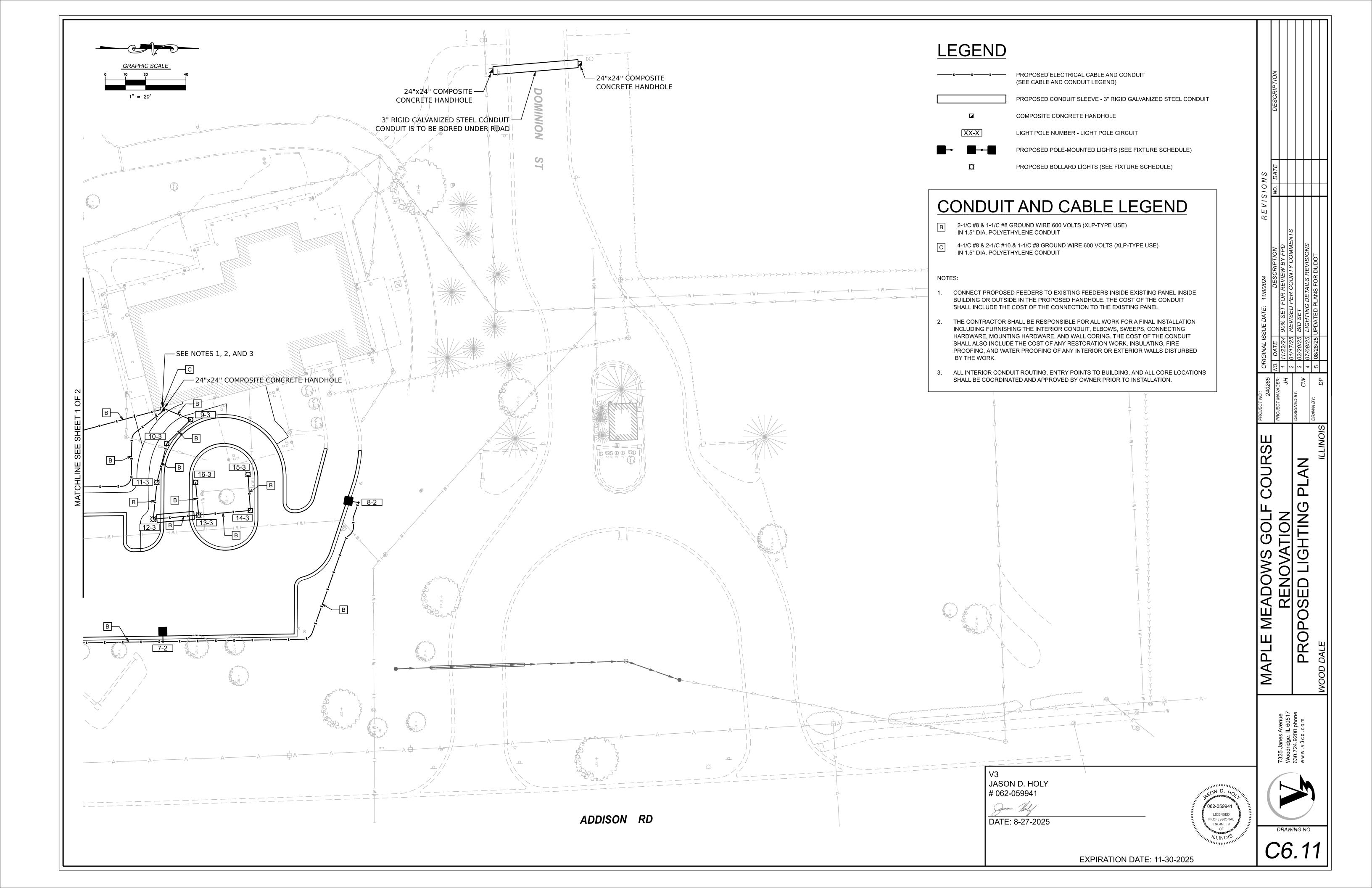


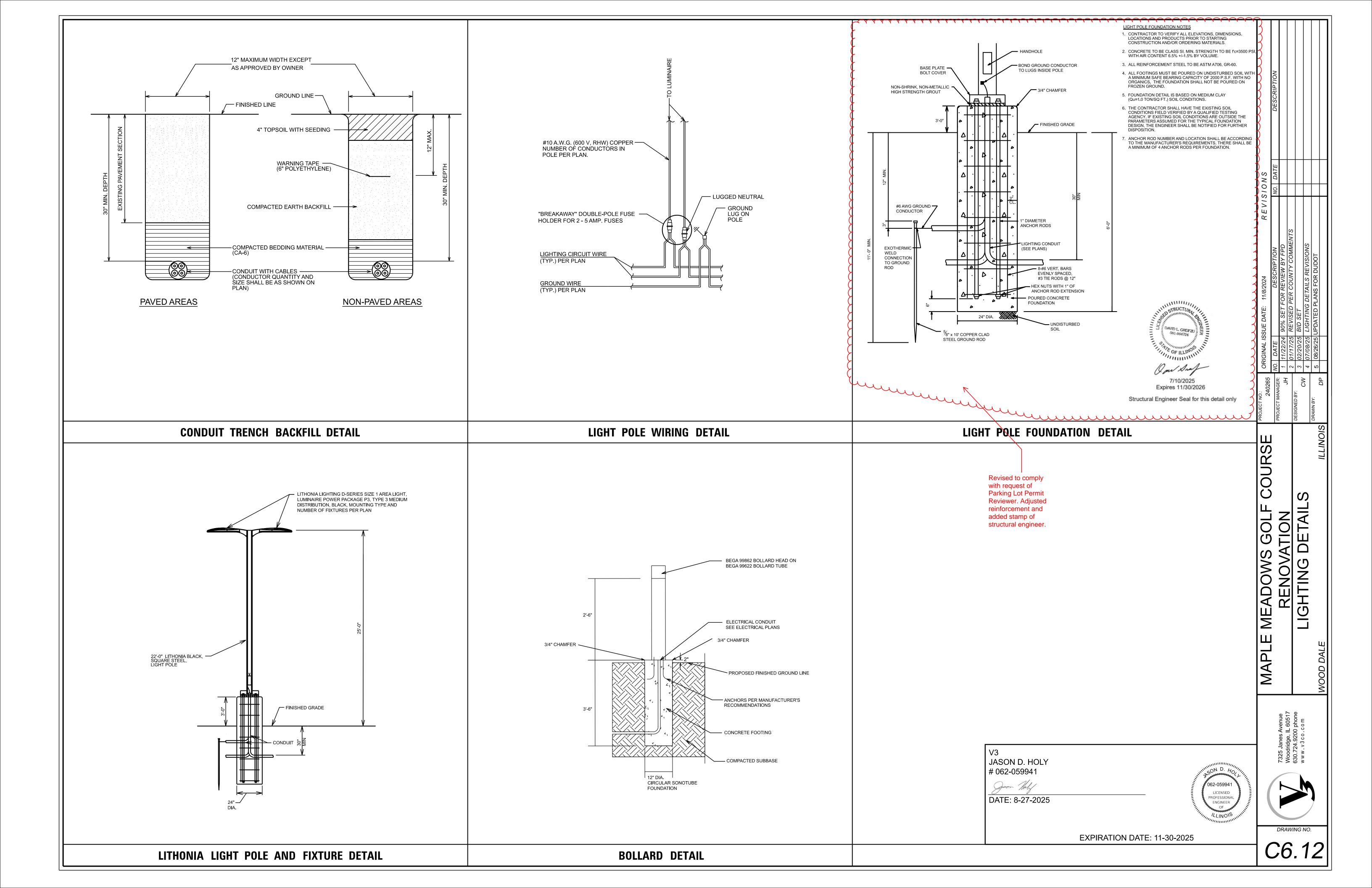






LEGEND SITE LIGHTING FIXTURE SCHEDULE QUANTITY MOUNTING CATALOG NO. & NOTES DESCRIPTION LLF COLOR CONFIG. PROPOSED ELECTRICAL CABLE AND CONDUIT (SEE CABLE AND CONDUIT LEGEND) LITHONIA LIGHTING D-SERIES SIZE 1 LED AREA LIGHT, LUMINAIRE POWER PACKAGE P3, TYPE 3 MEDIUM DISTRIBUTION, 25'-0" MOUNTING HEIGHT 22'-0" POLE, SQUARE STEEL, BLACK 3'-0" CONC. FOUND. LIGHT: DSX1 LED-P3-40K-T3M-MVOLT-SPA-DBLXD 0.90 1" = 20' POLE: SSS-22-5C-DM19AS-DBLXD PROPOSED CONDUIT SLEEVE - 3" RIGID GALVANIZED STEEL CONDUIT LITHONIA LIGHTING D-SERIES SIZE 1 LED AREA LIGHT, LUMINAIRE POWER PACKAGE P3, TYPE 3 MEDIUM DISTRIBUTION, 25'-0" MOUNTING HEIGHT 22'-0" POLE, SQUARE STEEL, BLACK 3'-0" CONC. FOUND. 2 FIXTURES @ 180° LIGHT: DSX1 LED-P3-40K-T3M-MVOLT-SPA-DBLXD POLE: SSS-22-5C-DM28AS-DBLXD 0.90 COMPOSITE CONCRETE HANDHOLE LIGHT POLE NUMBER - LIGHT POLE CIRCUIT 2'-6" BEGA SYSTEM BOLLARD TUBE, BLACK, ON CONC. FOUND. 1 FIXTURE LIGHT: 99862-K4-BLACK BEGA SYSTEM BOLLARD HEAD 2'-6" MOUNTING HEIGHT 0.90 POLE: 99622-BLACK PROPOSED POLE-MOUNTED LIGHTS (SEE FIXTURE SCHEDULE) PROPOSED BOLLARD LIGHTS (SEE FIXTURE SCHEDULE) CONDUIT AND CABLE LEGEND 2-1/C #8 & 1-1/C #8 GROUND WIRE 600 VOLTS (XLP-TYPE USE) IN 1.5" DIA. POLYETHYLENE CONDUIT 4-1/C #8 & 2-1/C #10 & 1-1/C #8 GROUND WIRE 600 VOLTS (XLP-TYPE USE) IN 1.5" DIA. POLYETHYLENE CONDUIT V3 JASON D. HOLY # 062-059941 DATE: 8-27-2025 ADDISON RD EXPIRATION DATE: 11-30-2025





D-Series Size 1 LED Area Luminaire DLC LISTED PREMIUM

P ds BAA BABA Introduction The modern styling of the D-Series features a highly refined aesthetic that blends seamlessly with its environment. The D-Series offers the benefits of the latest in LED technology into a high performance, high efficacy, long-life (0.06 m²) The photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. D-Series outstand-(83.1 cm) 14.26" (36.2 cm) ing photometry aids in reducing the number of poles required in area lighting applications with typical energy savings of 65% and expected service life of over 100,000 hours. 7.88" (20.0 cm) (6.9 cm) 34 lbs (15.4 kg) ds design select Items marked by a shaded background qualify for the Design Select program and ship in 15 days or less. To learn more about Design Select, visit www.acuitybrands.com/designselect. Design Select options indicated by this color background. *See ordering tree for details **EXAMPLE:** DSX1 LED P7 40K 70CRI T3M MVOLT SPA NLTAIR2 PIRHN DDBXD DSX1 LED P3 70 CRI MVOLT SPA AFR Automotive front row T5M Type V medium MVOLT (120V-277V)⁴ Shipped included (this section 70CRI only) T5LG Type V low glare HVOLT (347V-480V)^{5,6} SPA Square pole mounting (#8 drilling) T2M Type II medium T5W Type V wide XVOLT (277V - 480V)^{7,8} RPA Round pole mounting (#8 drilling) | T3M | Type ||| medium | BLC3 | Type ||| backlight | 120 || 16, 26 |
T3LG	Type			low glare 3	Control 3	208		16, 26
T3LG	Type			low glare 3	Control 3			
T3LG	Type			low glare 3				
T3LG	Type			low glare 3				
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T3LG								
T3LG	T3LG	RPA5 Round pole mounting #5 drilling 9 (this section 80CRI only, T3LG Type III low glare³ T4M Type IV medium BLC4 Type IV backlight 240 16,26 extended lead times SPA8N Square narrow pole mounting control³ #8 drilling Rotated **T4LG** Type IV low glare³ **27K** 2700K LCCO Left corner WBA Wall bracket 10 **TFTM** Forward throw 347 ^{16, 26} cutoff³ **30K** 3000K 80CRI MA Mast arm adapter (mounts on 2 medium 480 16, 26 RCCO Right corner **35K** 3500K 80CRI 3/8" OD horizontal tenon) **40K** 4000K 80CRI **50K** 5000K 80CRI DBLXD PER7 Seven-pin receptacle only Shipped installed **DDBXD** Dark Bronze Shipped installed NLTAIR2 PIRHN nLight AIR gen 2 enabled with SPD20KV 20KV surge protection **DBLXD** Black bi-level motion / ambient **FAO** Field adjustable output 15, 21 HS Houseside shield (black finish standard) ²² **DNAXD** Natural Aluminum sensor, 8-40' mounting height, BL30 Bi-level switched dimming, L90 Left rotated optics 1 **DWHXD** White ambient sensor enabled at **DDBTXD** Textured dark bronze Right rotated optics 1 BL50 Bi-level switched dimming, High/low, motion/ambient **DBLBXD** Textured black Coastal Construction 23 sensor, 8-40' mounting height, **DNATXD** Textured natural aluminum 50°C ambient operation 24 **DMG** 0-10v dimming wires pulled ambient sensor enabled at outside fixture (for use with Buy America(n) Act and/or Build America Buy America Qualified **DWHGXD** Textured white an external control, ordered **SF** Single fuse (120, 277, 347V) ²⁶ NEMA twist-lock receptacle separately) 17 only (controls ordered sepa-**DF** Double fuse (208, 240, 480V) ²⁶ **DS** Dual switching ^{18, 19, 21} Shipped separately Five-pin receptacle only **EGSR** External Glare Shield (reversible, field install required, matches housing finish) (controls ordered separate)^{14, 2} BSDB Bird Spikes (field install required) LITHONIA One Lithonia Way • Conyers, Georgia 30012 • Phone: 1-800-705-SERV (7378) • www.lithonia.com Rev. 10/16/24 Page 1 of 10						

LIGHTING.

COMMERCIAL OUTDOOR

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Anchor Base Poles

SQUARE STRAIGHT STEEL

BAA BABA

SSS Square Straight Steel Poles

SSS	22	5C	DM19AS			DBLXD	
Series	Nominal fixture mounting height	Nominal shaft base size/wall thickness¹	Mounting ²	Options		Finish	
SSS	10'-39' (for 1/2 ft increments, add -6 to the pole height. Ex: 20-6 equals 20ft 6in.) (See technical information table for complete ordering information.)	4C 4" 11g (0.120") 4G 4" 7g (0.179") 5C 5" 11g (0.120") 5G 5" 7g (0.179") 6G 6" 7g (0.179") (See technical information table for complete ordering information.)	Tenon mounting PT	Shipped installed VD JHxy HAxy FDLxy FDLGFClxy CPL12/xy CPL12/xy NPL12/xy NPL12/xy NPL14/xy EHHxy STLHHC FBCSTL2PC IC L/AB TP NEC UL BAA VM/original order#	Vibration damper ⁴ J-Hook for cable strain relief ⁵ Horizontal arm bracket (1 fixture) ^{5,6} Festoon outlet less electrical ^{5,7} Festoon with GFCI outlet and in-use cover ^{5,8} 1/2" coupling ⁵ 3/4" coupling ⁵ 1" coupling ⁵ 1"z" threaded nipple ⁵ 3/4" threaded nipple ⁵ Extra handhole cover (standard is plastic, finish is smooth) ¹⁰ 2 Piece steel base cover (standard is plastic, finish is smooth) ¹⁰ 2 Piece steel base cover (standard is plastic, finish is smooth) ¹⁰ 1nterior coating ¹¹ Less anchor bolts (Include when anchor bolts are not needed) Tamper resistant handhole cover fasteners NEC 410.30 compliant gasketed handhole (Not UL Labeled) UL listed with label (Includes NEC compliant cover) Buy America(n) Act Compliant ¹² Match pole to prior order or project ¹³	`	paint colors Dark bronze Black Natural aluminum White Sandstone Charcoal gray Tennis green Bright red Steel blue Textured dark bronze Textured natural aluminum Textured white Galvanized finish colors and special finishes ¹⁴ Paint over galvanizing 3 year warranty extension 5 year warranty extension Use designated Lithonia Lighting nomenclature in brochure Nomenclature assigned through Customer Care "Custom Color Process"

Accessories: Order as separate catalog number. PL DT20 Plugs for ESX drillings PL DT8 Plugs for DMxxAS drillings FVD xxFT Field installed vibration damper (snake style)

- 1. Wall thickness will be signified with a "C" (11 Gauge) or a "G" (7-Gauge) in nomenclature. "C" 0.120" | "G" 0.179". 2. PT open top poles include top cap. When ordering tenon mounting and drill mounting for the same pole, specify as drilling 8. Festoon option that comes with GFCI and in-use cover. GFCI and in-use cover ship separately from pole. option/tenon option. The combination includes a required extra handhole. Example: DM28/T20.
- 3. Refer to the fixture spec sheet for the correct drilling template pattern and orientation compatibility. 4. On 4" and 5" poles, VD cannot be installed if provisions (EHH, FDL, NPL, CPL) are located higher than 2/3 of the pole's total Example: Pole height is 25ft, A provision cannot be placed above 16ft.
- 5. Specify location and orientation when ordering option. For "x": Specify the height above the base of pole in feet or feet and inches; separate feet and inches with a "-". Example: 5ft = 5 and 20ft 3in = 20-3**For "y":** Specify orientation from handhole (A,B,C,D) Refer to the Handhole Orientation diagram below.
- Example: 1/2" coupling at 5'8", orientation C = CPL12/5-8C6. Horizontal arm is 18" x 2-3/8" 0.D. tenon standard, with radius curve providing 12" rise and 2-3/8" 0.D. If ordering two horizontal arm at the same height, specify with HAxyy. Example: HA20BD.
- 7. FDL does not come with GFCI outlet or handhole cover. These must be supplied by contractor or electrician.
- 9. Combination of tenon-top and drill mount includes extra handhole. EHH includes cover. 10. Plastic hand hole cover and base covers come standard with all poles. Items ship separately. Additional parts can be ordered
- 11. N/A with GALV. 12. Use when mill certifications are required.
- 13. Must add original order number. Not for replacement parts or post sales issues, contact tech support or post sales teams. VM is used to ensure poles match in appearance exactly from order to order, on a single project site. A common use case would be a multi-phase project with multiple orders. Example: VM/010-36784
- 14. Must be guoted through AQD. Finishes do not require RFA. RAL colors available are shown in "Architectural Colors brochure". Lead times may be extended up to 2 weeks due to paint procurement.

A LITHONIA LIGHTING

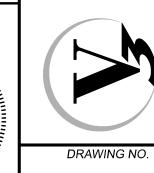
OUTDOOR: One Lithonia Way Conyers, GA 30012 Phone: 800-705-SERV (7378) TechSupport-Lighting@Acuitybrands.com www.lithonia.com ©1994-2025 Acuity Brands Lighting, Inc. All rights reserved. Rev. 01/09/25

JASON D. HOLY # 062-059941

POLE-SSS

DATE: 8-27-2025

9062-059941 LICENSED PROFESSIONAL ENGINEER



OURSE

ME

RENOVATION
SHTING DETAIL

LIGHTING

EXPIRATION DATE: 11-30-2025

BEGA BEGA System bollard tube · With access door System bollard head · Shielded · 360°

Application

BEGA system bollard luminaire tube without components. BEGA system bollard tubes are designed for easy attachment to system bollard heads using an interlocking mechanism. An accompanying bollard head must be selected for proper installation. Materials

Marine grade, copper free (≤0.3% copper content) A360.0 aluminum alloy Extruded aluminum Die-cast aluminum

Mechanically captive stainless steel fasteners Interlocking stainless steel mounting mechanism for attachment of head Pre-wired with 5-pole plug-in connectors for ease of installation

Galvanized steel anchorage NRTL listed to North American Standards, suitable for wet locations Protection class IP 65

Weight: 13.0 lbs.

All BEGA standard finishes are matte, textured powder coat with minimum 3 mil thickness. BEGA Unidure® finish provides superior fade protection in Black, Bronze, and Silver. BEGA standard White is a super durable polyester powder. Optionally available RAL and custom color finishes provided in either polyester powder or liquid paint.

Available colors Black (BLK) □ Silver (SLV) □ RAL:

☐ Bronze (BRZ) ☐ White (WHT) □ CUS:

Type: BEGA Product: Project: Modified:

Available options

Direct burial anchorage (replaces included anchorage kit, pre-shippable) Custom finish □ MGU □ RAL Marine grade undercoat RAL finish

Included (available for pre-shipment) ☑ B79818 Anchorage kit



BEGA 1000 BEGA Way, Carpinteria, CA 93013 (805) 684-0533 info@bega-us.com

System bollard tube · With access door

Due to the dynamic nature of lighting products and the associated technologies, luminaire data on this sheet is subject to change at the discretion of BEGA North America. For the most current technical data, please refer to bega-us.com © copyright BEGA 2025

BEGA system bollard head with shielded 360° light distribution. Simply order the bollard head and also the required bollard tube in various heights and options. Both modules can be joined together easily and quickly during the installation. Materials

Clear safety glass

Marine grade, copper free (≤0.3% copper content) A360.0 aluminum alloy High temperature silicone gasket Mechanically captive stainless steel fasteners Pure anodized aluminum reflector surface

NRTL listed to North American Standards, suitable for wet locations Protection class IP 65 Weight: 8.4 lbs.

Electrical

120-277VAC Operating voltage Minimum start temperature -30° C LED module wattage 16.5 W System wattage 19.8W Controllability 0-10V dimmable Color rendering index Ra > 80Luminaire lumens 1286 lm LED service life (L70) 60000 hrs

LED color temperature ■ 4000K (K4) □ 3500K (K35) □ 3000K (K3) □ 2700K (K27)

> BEGA can supply you with suitable LED replacement modules for up to 20 years after the purchase of LED luminaires - see website for details

All BEGA standard finishes are matte, textured powder coat with minimum 3 mil thickness. BEGA Unidure® finish provides superior fade protection in Black, Bronze, and Silver. BEGA standard White is a super durable polyester powder. Optionally available RAL and custom color finishes provided in either polyester powder or liquid paint.

Available colors Black (BLK)

☐ Bronze (BRZ) □ White (ŴHT) Ó□ CUS:

Available options □ CUS □ DALI-2 Custom finish

Marine grade undercoat

BEGA 1000 BEGA Way, Carpinteria, CA 93013 (805) 684-0533 info@bega-us.com

Due to the dynamic nature of lighting products and the associated technologies, luminaire data on this sheet is subject to change at the discretion of BEGA North America. For the most current technical data, please refer to began as companies to the dynamic nature of lighting products and the associated technologies, luminaire data on this sheet is subject to change at the discretion of BEGA North America. For the most current technical data, please refer to began as companies to the dynamic nature of lighting products and the associated technologies, luminaire data on this sheet is subject to change at the discretion of BEGA North America. For the most current technical data, please refer to began as companies to the dynamic nature of lighting products and the associated technologies, luminaire data on this sheet is subject to change at the discretion of BEGA North America. For the most current technical data, please refer to began as companies to the dynamic nature of lighting products and the associated technologies, luminaire data on this sheet is subject to change at the discretion of BEGA North America. For the most current technical data, please refer to began as companies to the dynamic nature of lighting products and the associated technologies, luminaire data on this sheet is subject to change at the discretion of the dynamic nature of the dynamic nature

Type:

Project:

Modified:

BEGA Product:

DALI dimming (99622 tube only) RAL finish

JASON D. HOLY # 062-059941

DATE: 8-27-2025

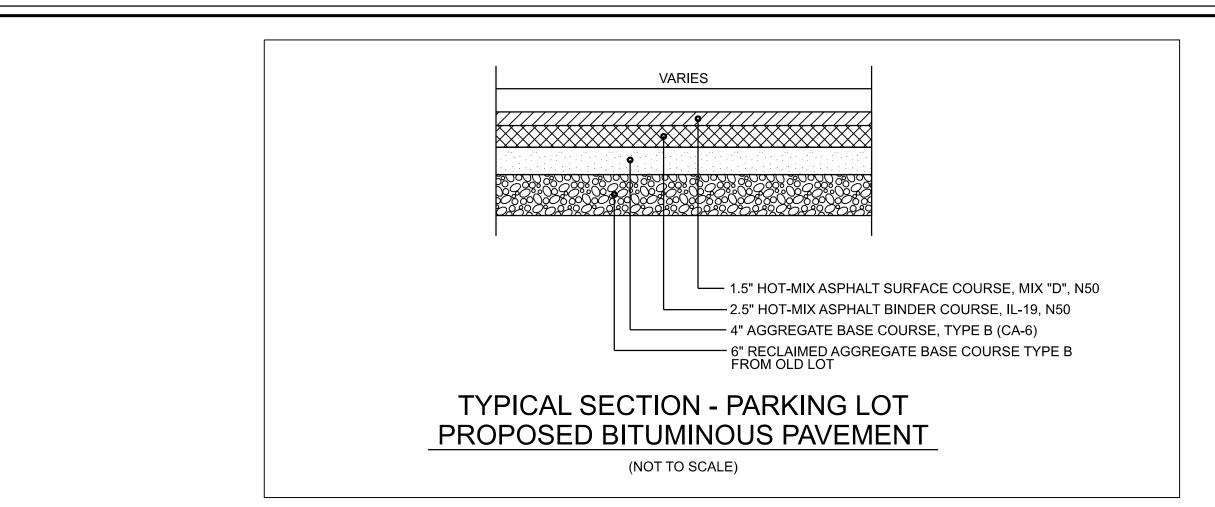


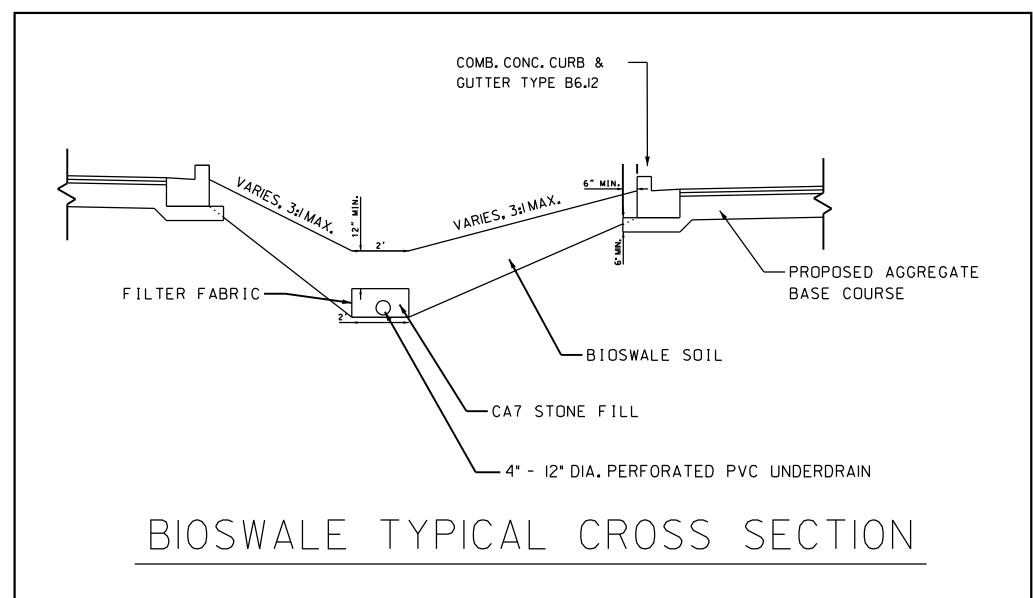
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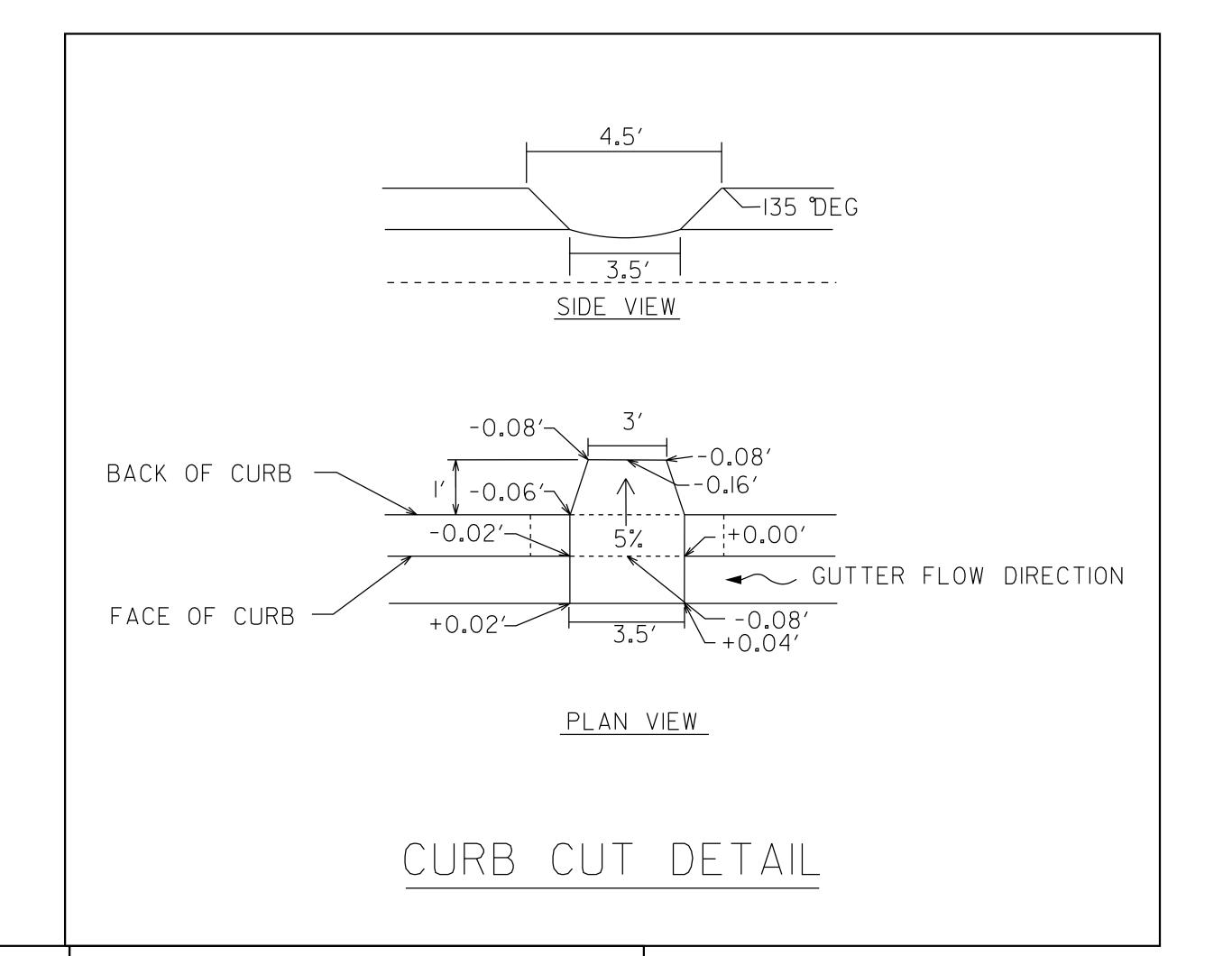
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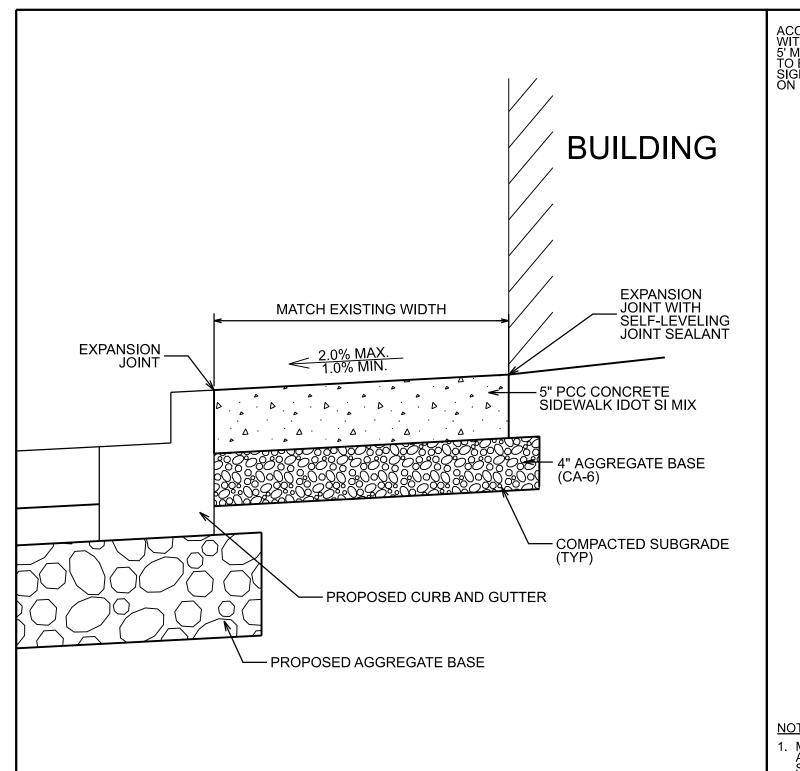
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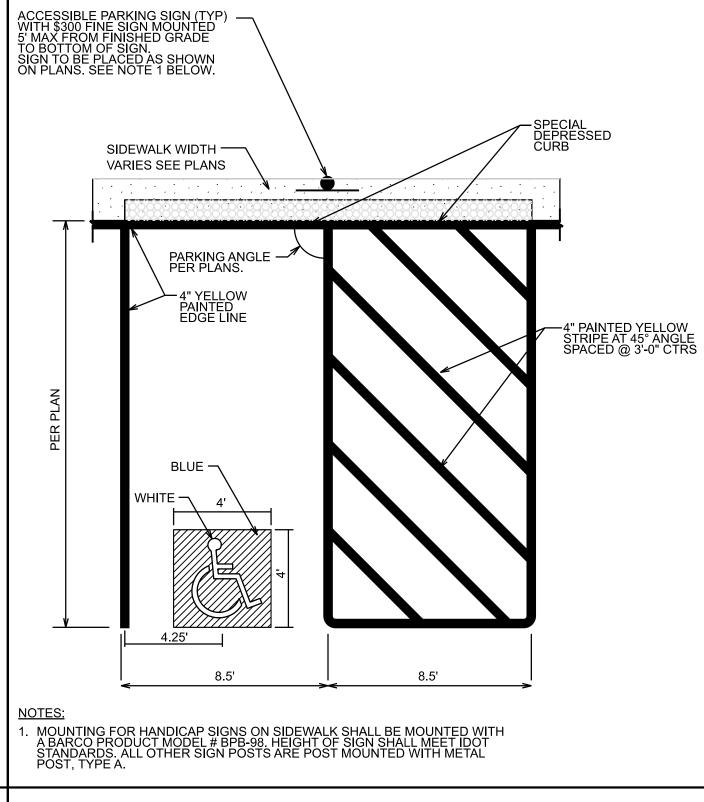








TYPICAL SECTION - CONCRETE SIDEWALK



ACCESSIBLE PARKING STALL DETAIL



JASON D. HOLY # 062-059941 DATE: 8-27-2025



COURSE

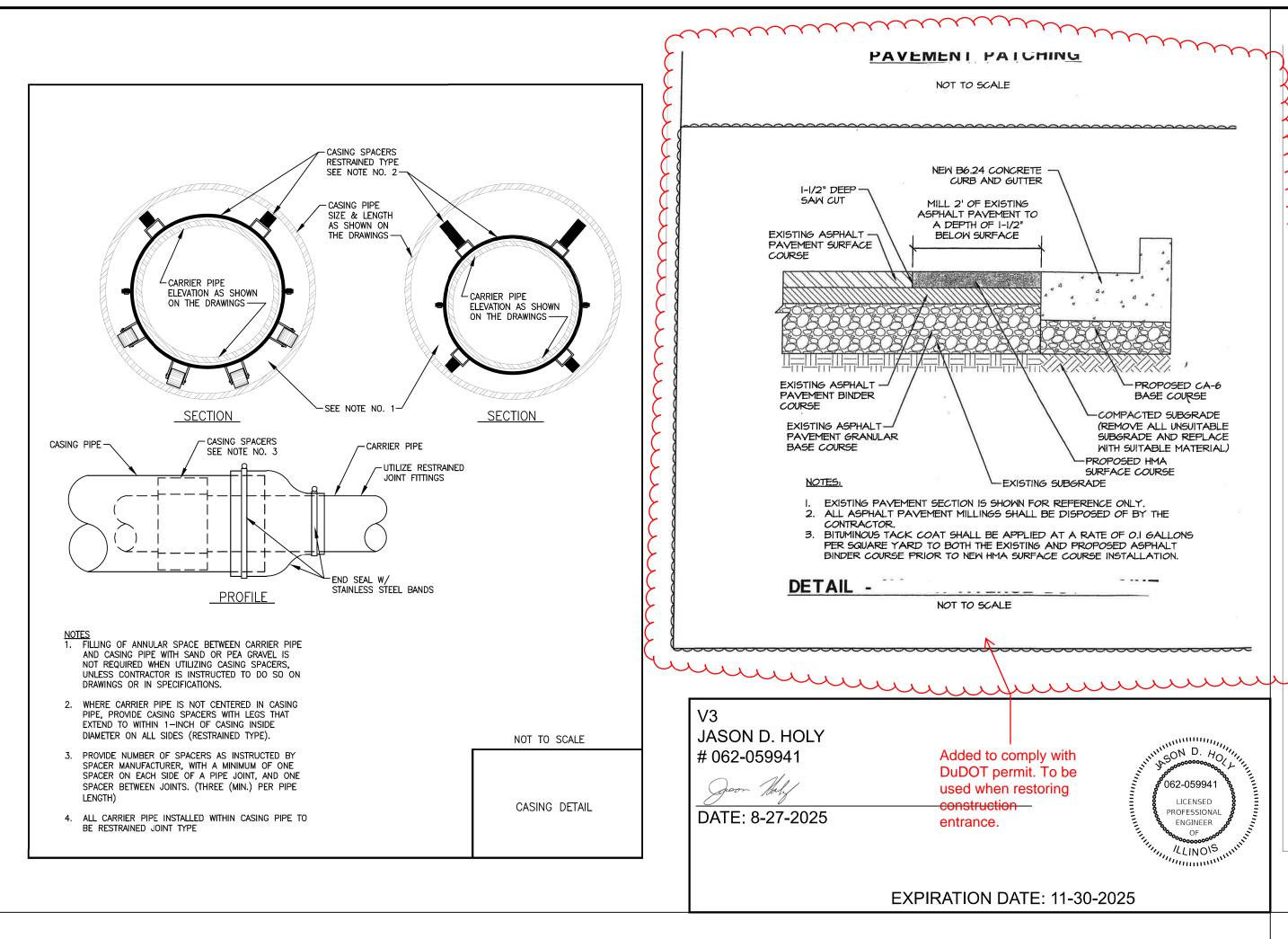
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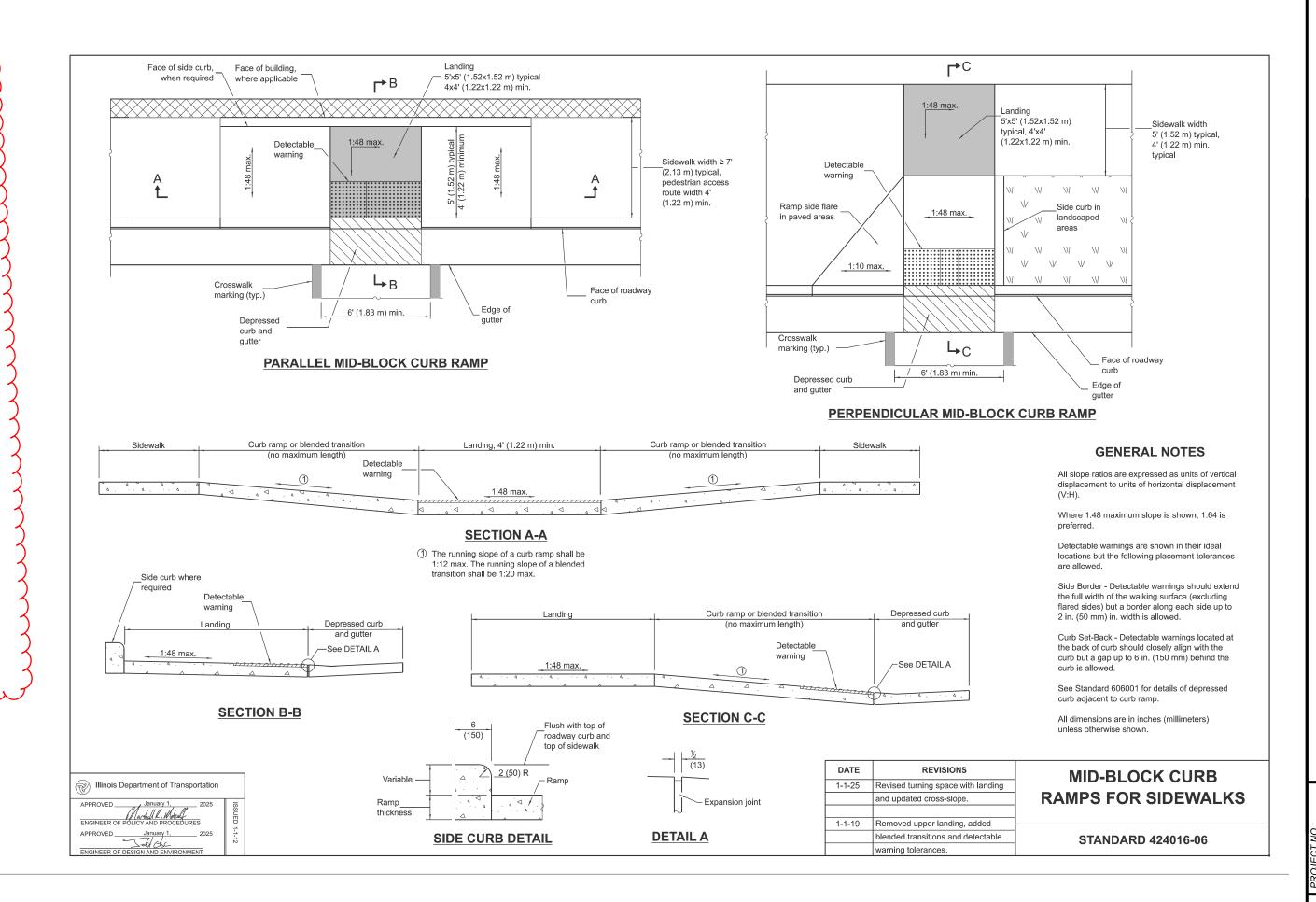
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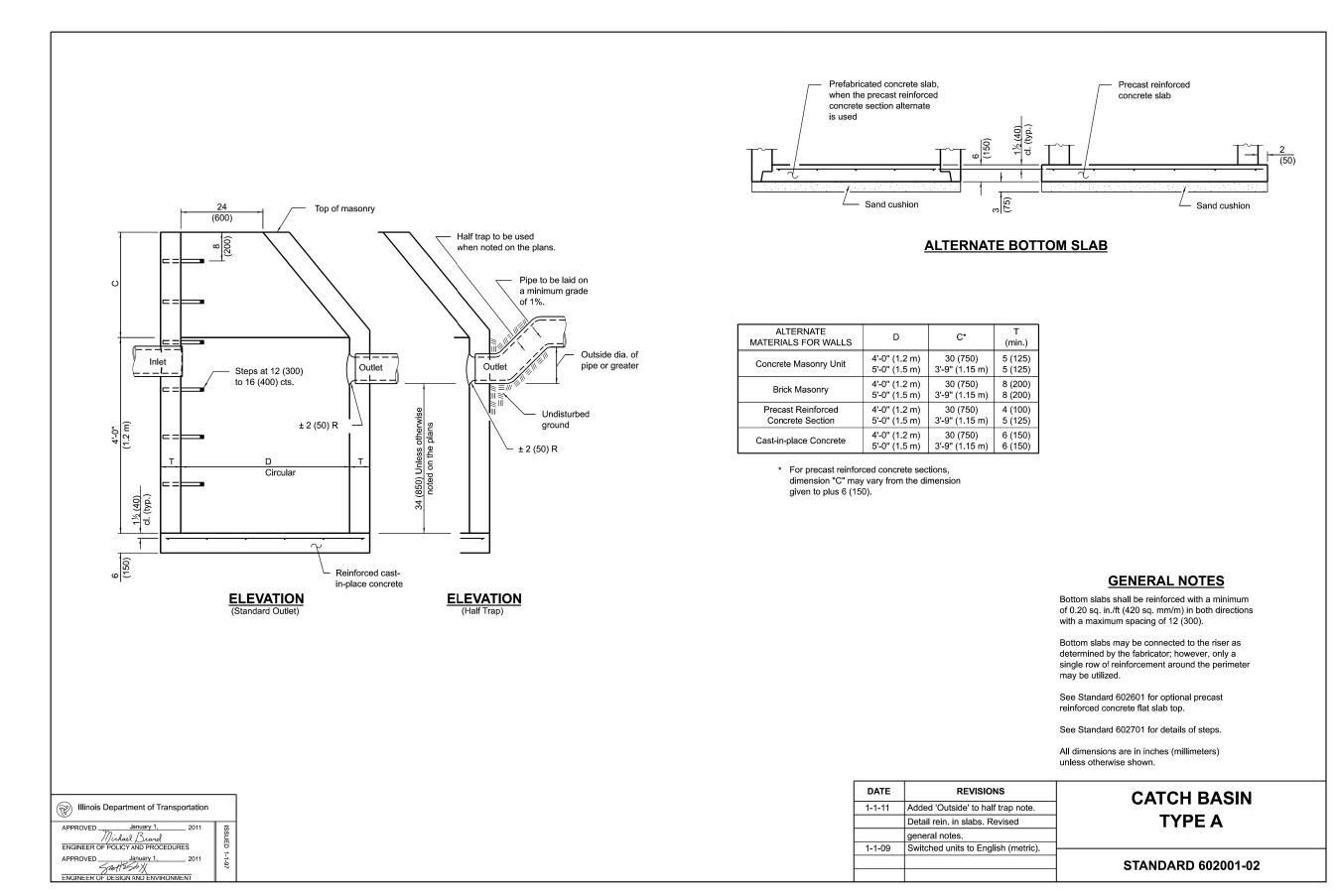
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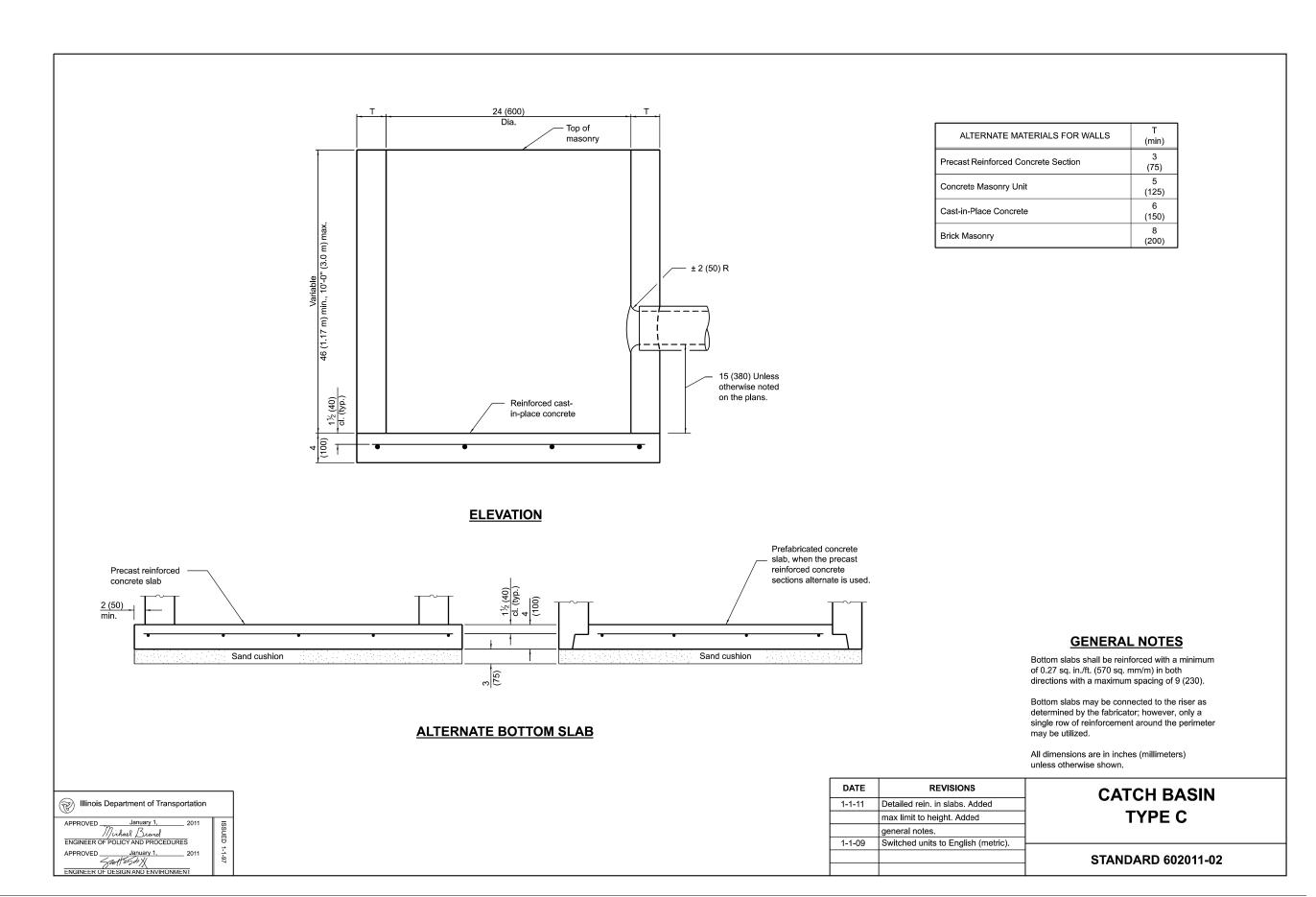
ACCESSIBLE PARKING SIGN

EXPIRATION DATE: 11-30-2025









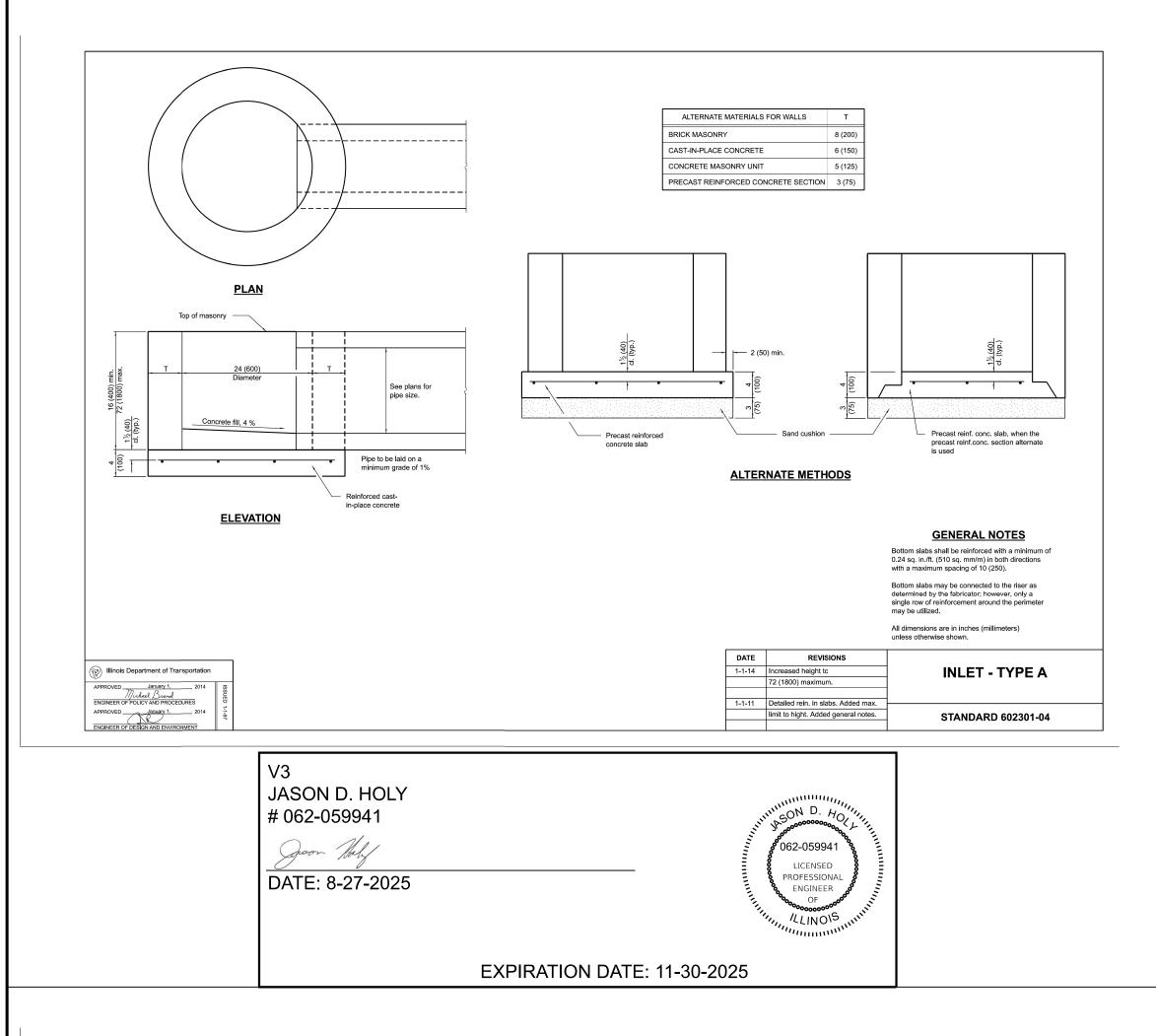


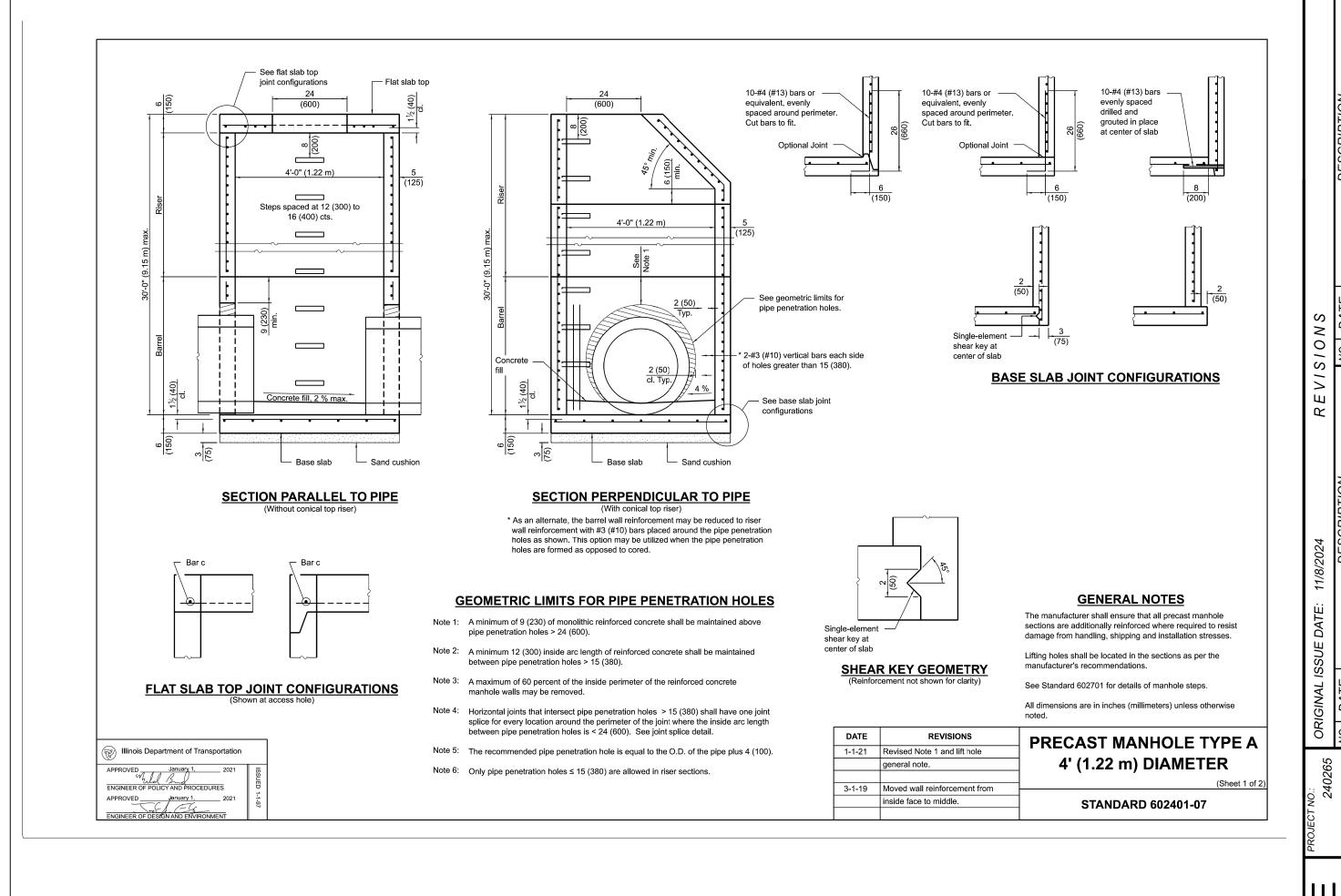
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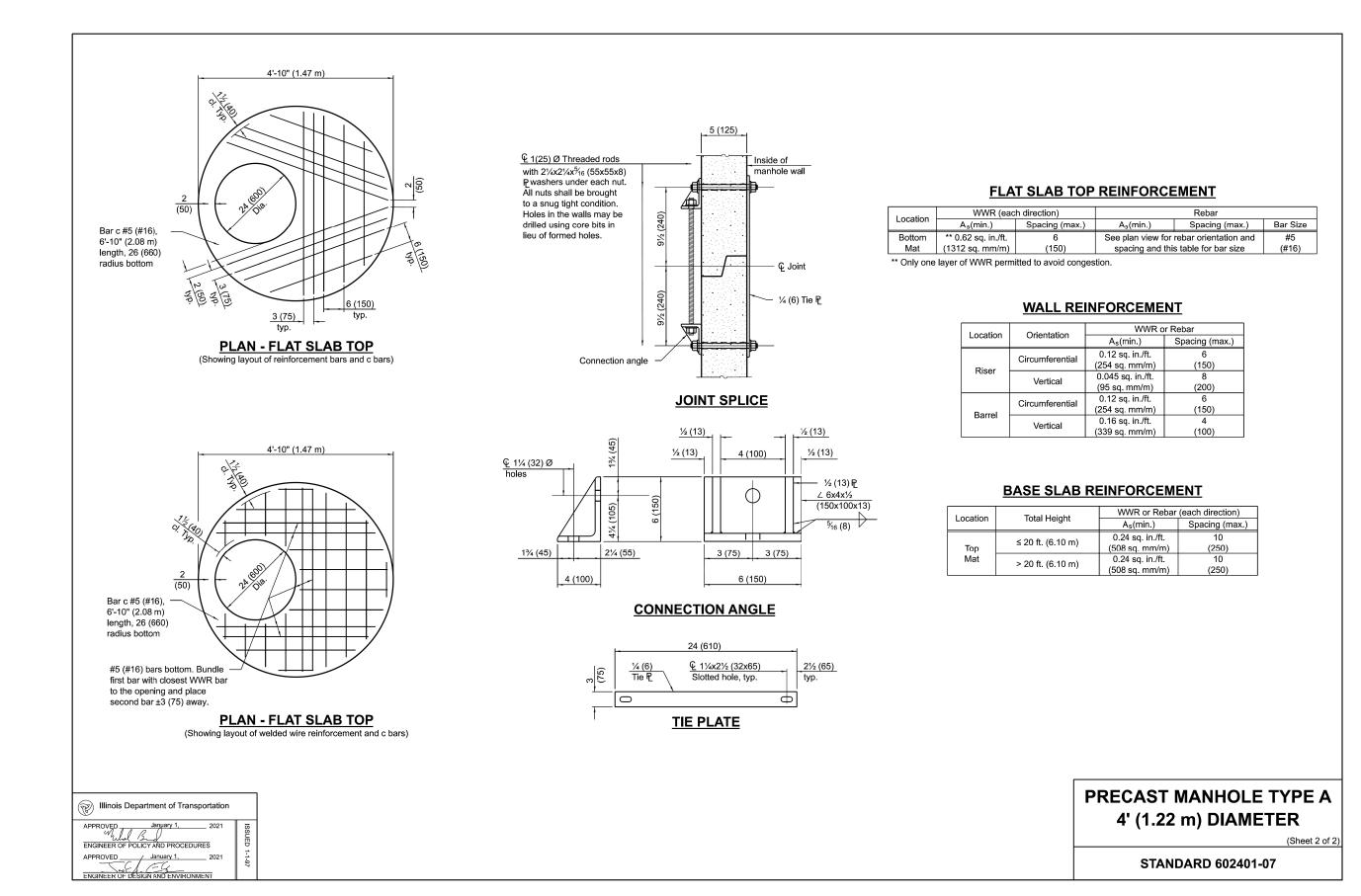
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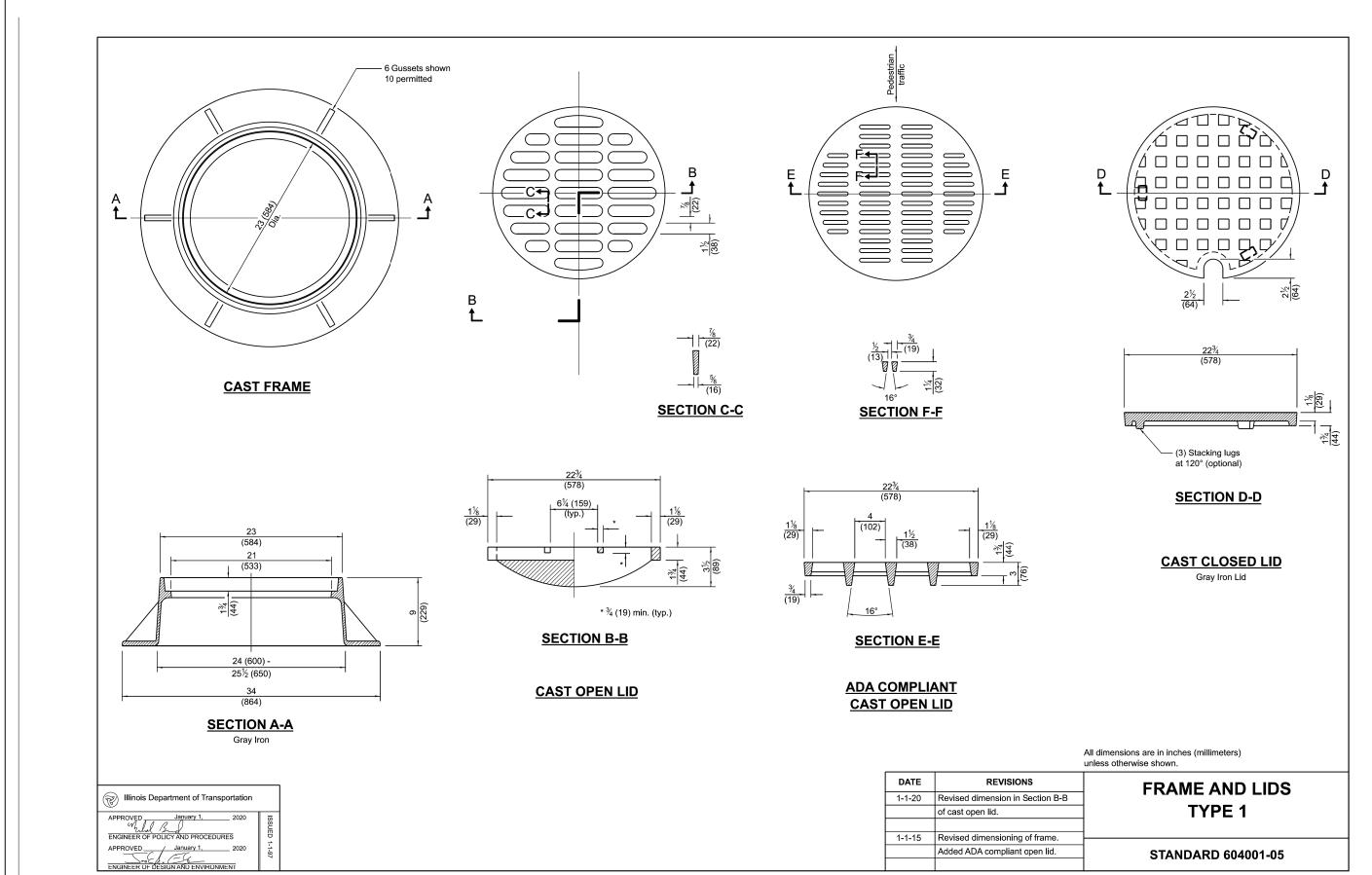
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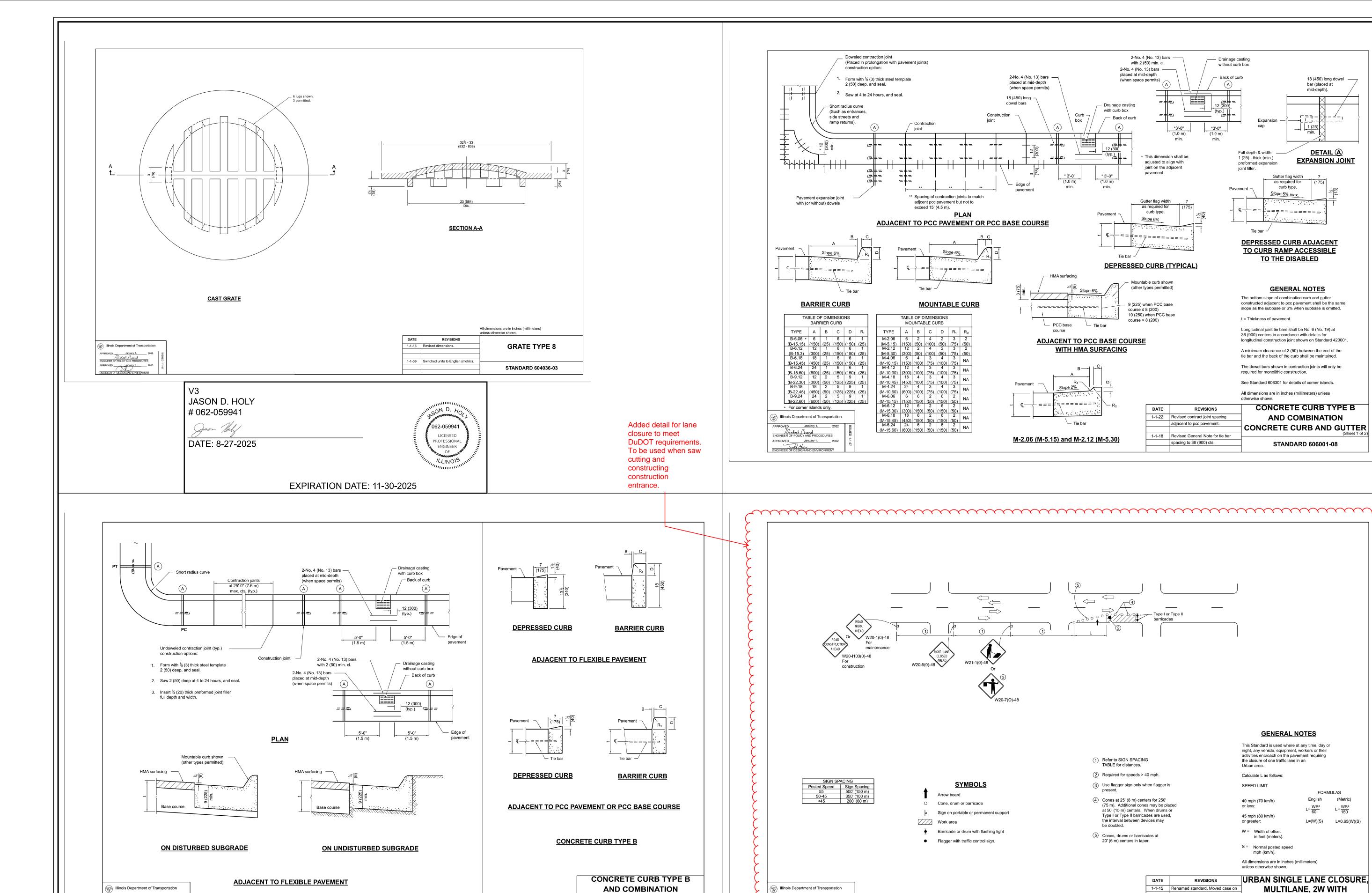








DRAWING NO.



CONCRETE CURB AND GUTTER

STANDARD 606001-08

Michael Brand ENGINEER OF POLICY AND PROCEDURES

ENGINEER OF DESIGN AND ENVIRONMEN

APPROVED January 1, 2022

APPROVED January 1 2015

ENGINEER OF SAFETY ENGINEERING

APPROVED January 1, 2015
ENGINEER OF DESIGN AND ENVIRONMENT

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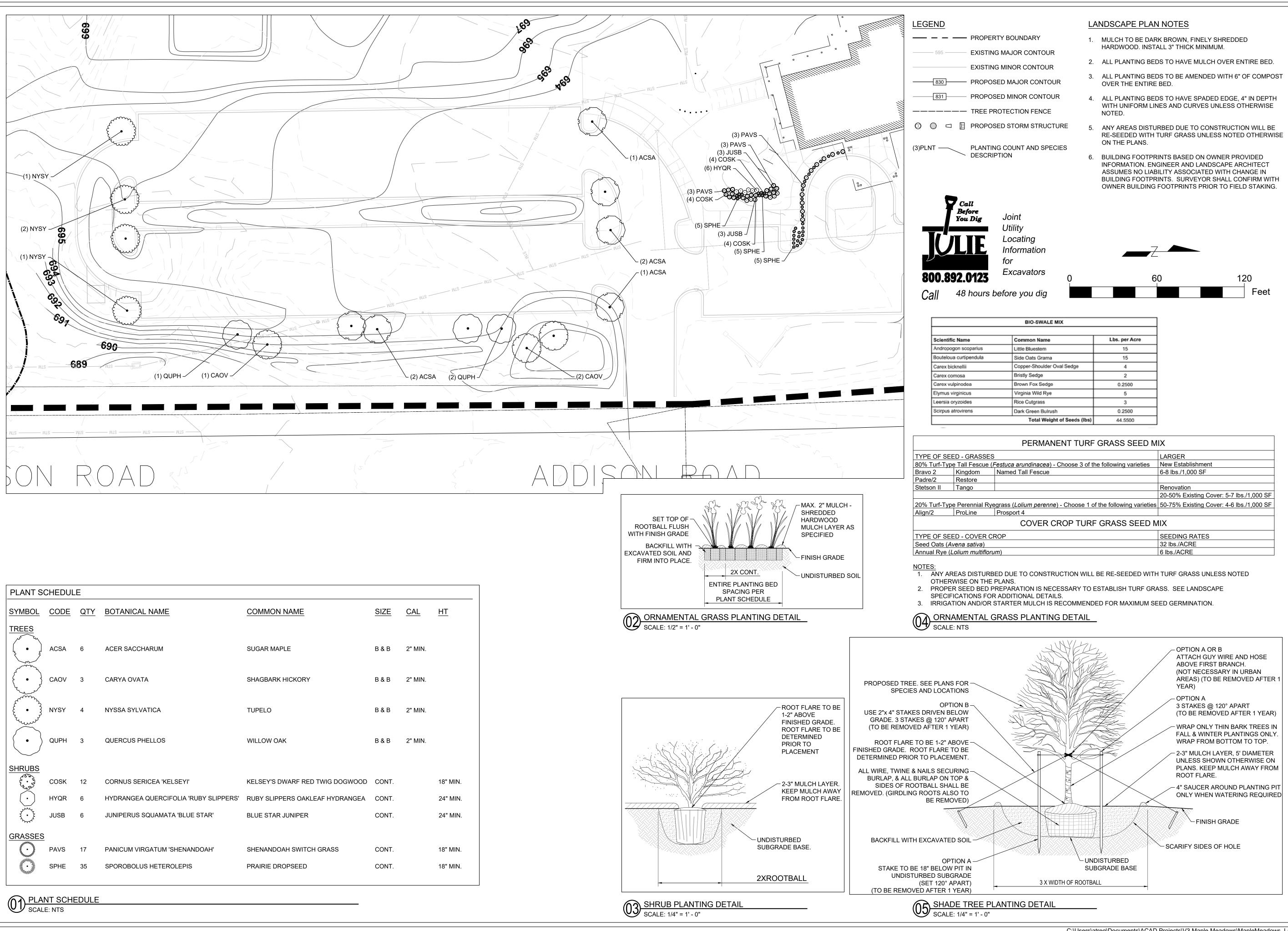
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MOUNTABLE MEDIAN

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MAP

DRAWING NO.

LANDSCAPE SPECIFICATIONS

1.1 SITE PREPARATION

When feasible, prior to mass earthwork operations, stake the limits of the proposed stormwater management areas & landscape planting areas and do not allow heavy equipment to run over the soil in these locations. Soil compaction is very critical in the functioning of stormwater management areas.

Do not clear vegetation until necessary to help minimize site erosion.

Place tree protection barriers around the drip line of all trees that are to remain. There shall be no storage of materials, heavy equipment o vehicles within the drip line of trees.

- 1.2 MATERIALS
- 1.2.1 SUBMITTAL REQUIREMENTS

Contractors shall submit to engineer/landscape architect for review and approval all proposed materials to be used within the stormwater management areas and landscape areas prior to purchase. Submittals include but are not limited to:

- Planting soil composition Compost/Mulch
- River Cobble
- Turf Grass Sod and Seed
- Plant lists (Woody and herbaceous materials)
- Herbicides and Pre-Emergent Herbicides
- 1.2.2 PLANTING SOIL

The soil shall be a uniform, well blended mix, free of stones, stumps, roots or other similar objects larger than two inches. No other materials or substances shall be mixed or dumped within the bio-retention area that may be harmful to plant growth, or prove a hindrance to the planting or maintenance operations. The soil mix shall be free of Bermuda grass, Quack grass, Johnson grass, or other noxious weeds. The planting soil for bio-retention facilities shall consist of a mixture of sand or crushed glass cullet of equivalent grade, topsoil, and compost components, to obtain an engineered soil mix meeting the following specifications:

USDA Texture class: sandy loam or loamy sand. Mineral fraction consists of no less than 40% well-graded sand or glass cullet and no greater Rake topsoil thoroughly by running in two directions at right angles over the entire surface to be planted. Rake so all areas drain and are of than 10% clay (dry weight basis)

Organic content: 20% (dry weight basis)

pH: 5.5 - 7.0 Soluble Salts (Salinity): less than 500 mg/kg (500ppm)

Phosphorous: soil p-index should be between 15 and 40 Permeability: Minimum 0.50 inches/hour

Volumetric proportions of the components making up the bio-retention soil mix shall be as follows:

- Sand: 50% by volume
- Compost: 20% by volume
- Topsoil: 30% by volume

Compost shall be finished (aged), and composted material shall be of plant origin. Compost shall have a C:N ratio ≤ 25:1.

If the planting soil does not meet the above characteristics, then it shall either be adjusted to meet the criteria or removed and replaced with an acceptable planting soil. See 1.3 Testing Requirements.

Existing topsoil on site may be amended to meet the specifications of the planting soil mix. The existing topsoil shall be tested for organic content, grain size analysis and permeability to identify necessary amendments.

Planting soil shall not be incorporated into the Work until it is approved by the engineer/landscape architect.

1.2.3 MULCH MATERIAL

A mulch layer shall be provided on top of the planting areas, to the depth OF 2-3 inches. The material shall consist of finished (aged) leaf compost mulch, and shall be well mixed and homogenous, uniform in color and free of foreign material and viable plant seeds. The mulch material shall have no visible free water and produce no dust when handled. It shall meet the following criteria: 90% of material passing ½" screen

Organic content: 35- 65% (dry weight basis) pH: 6.0 - 8.0

- 1.2.5 LIVE PLANT MATERIAL
- 1.2.5.1 TREES

General: Furnish nursery-grown plants true to genus, species, variety, cultivar, stem form, shearing, and other features indicated in Plant Schedule or Plant Legend shown on Drawings and complying with ANSI Z60.1; and with healthy root systems developed by transplanting or root pruning. Provide well-shaped, fully branched, healthy, vigorous stock, densely foliated when in leaf and free of disease, pests, eggs, larvae, and defects such as knots, sun scald, injuries, abrasions, and disfigurement.

Root-Ball Depth: Furnish trees and shrubs with root balls measured from top of root ball, which shall begin at root flare according to ANSI Z60.1. Root flare shall be visible before planting.

No bare root material shall be used unless specified on the plans.

Containerized Plant Material: Provide healthy, disease-free plants of species and variety shown or listed, with well-established root systems reaching to sides of the container to maintain a firm ball, but not with excessive root growth encircling the container. Provide only plants that are acclimated to outdoor conditions before delivery.

Plant material and quantities for stormwater management areas and landscape areas shall be taken from the plans. Any plant material substitutions shall require approval from the engineer/landscape architect.

- 1.3 TESTING REQUIREMENTS
- 1.3.1 PLANTING SOIL TESTING

Soil tests shall be performed for every 500 cubic yards of planting soil, with the exception of pH and organic content tests, which are required only once per stormwater management BMP.

- The planting soil shall be tested and shall meet the following criteria:
- pH range: 5.5 7.0
- organic matter: 5 10% (dry weight basis) magnesium: minimum 35 lbs/acre
- phosphorus (phosphate P2O5, Bray I): shall not exceed 75 lbs./acre potassium (potash - K2O): minimum 85 lbs/acre
- soluble salts not to exceed 500 ppm
- 1.4 INSTALLATION
- 1.4.1 PLANTING SOIL

Installation of soils must be completed in a manner that will ensure preservation of the infiltrative capacity of the underlying soils. The moisture content of the soil shall be low enough to prevent clumping and compaction during placement.

Uniformly grade planting soil to achieve a smooth surface, free of irregular surface changes. Do not over-work or excessively compact planting soil. Grade to cross sections, thickness and elevations indicated on plans. Settling of soil by walking on surface and working with hand equipment is acceptable.

- 1.4.2 TURF GRASS
- 1.4.2.1 SEQUENCING AND SCHEDULING
- 1.4.2.2 SITE PREPARATION

Verify the depth and quality of the topsoil and that the topsoil has been placed according to specifications or exists as a current site condition

Restore areas if eroded or otherwise disturbed after finish grading and before installation. Proceed with installation only after unsatisfactory conditions have been corrected.

All weeds and grasses shall be dug out by the roots and disposed of off-site.

Rake so all areas drain and are of uniform slope.

Remove all trash and stones exceeding ½" in diameter from area to a depth of 2" prior to preparation and installation of sod. Removal of stones maintenance immediately after plants are installed and continue until plantings are acceptably healthy and well established but for not less than and debris shall be done at the time of installation. Repair topsoil disturbed by removal of stones and debris.

1.4.2.3 PLANTING

Turf grass shall be placed on prepared soil that has been watered and is still moist. Turf grass sod shall be laid with tight joints, rolled, and thoroughly watered. River water, where available and allowed by federal, state and local authorities, is suitable for irrigation.

When installation occurs on a sloping surface where erosion may be a problem, turf grass sod shall be laid with staggered joints and secured by pegging.

- 1.4.3 PERMANENT TURF GRASS SEED
- 1.4.3.1 SEQUENCING AND SCHEDULING

Perform the seeding work and at such times that the seeding will not be damaged by freezing temperatures, rain, or high winds. Optimum Seeding Dates:

- Northern Indiana/Illinois: August 15 through September 15
- Southern Indiana/Illinois: September 1 through September 30

Dormant seeding can be done from Thanksgiving through March, when no snow is present, but before the ground has thawed. Spring seeding is often difficult but is acceptable from April through June if site conditions and construction schedules warrant the need for spring seeding.

Summer seeding should be avoided when possible.

Permanent seeding done between May and August may require irrigation.

1.4.3.2 SITE PREPARATION

Verify the depth and quality of the topsoil and that the topsoil has been placed according to specifications or exists as a current site condition. Restore areas if eroded or otherwise disturbed after finish grading and before installation. Proceed with installation only after unsatisfactory conditions have been corrected.

All weeds and grasses shall be dug out by the roots and disposed of off-site.

Remove all trash and stones exceeding ½" in diameter from area to a depth of 2" prior to preparation and installation of sod. Removal of stones and debris shall be done at the time of installation. Repair topsoil disturbed by removal of stones and debris.

1.4.3.3 PLANTING

Sow grassed areas evenly with a mechanical spreader at the minimum rate as specified on the plans, roll to cover seed and water with fine spray. Wet soil at a rate of approximately 120 gallons per 1,000 square feet. River water, where available and allowed by federal, state and local authorities, is suitable for irrigation

Method of seeding may be varied at discretion of Contractor on his own responsibility to establish a smooth, uniformly grassed area.

- 1.4.4 TREES
- 1.4.4.1 SEQUENCING AND SCHEDULING

Planting Time: Proceed with, and complete landscape work as rapidly as portions of site become available, working within seasonal limitations for each kind of landscape work required.

Planting seasons shall be as follows:

Deciduous Trees: Primary Planting Time March 15th to June 30th, and Secondary Planting Time September 1st to December 1st, unless noted otherwise on drawings.

If weather conditions within these seasons are not favorable to plant health and establishment at the time of planting (e.g. drought), planting shall be delayed until favorable conditions resume or further actions shall be taken to ensure healthy establishment (e.g. irrigation). It is the responsibility of the contractor to ensure survivability during the warranty period.

1.4.4.2 SITE PREPARATION

Planting Pits and Trenches: Excavate circular planting pits with sides sloping inward at a 45-degree angle. Excavations with vertical sides are not acceptable. Trim perimeter of bottom leaving center area of bottom raised slightly to support root ball and assist in drainage away from center. Do not further disturb base. Ensure that root ball will sit on undisturbed base soil to prevent settling. Scarify sides of planting pit smeared or smoothed during excavation.

Excavate approximately two times as wide as ball diameter for shrubs and three times as wide for trees. Do not excavate deeper than depth of the root ball, measured from the root flare to the bottom of the root ball.

Before planting, verify that root flare is visible at top of root ball according to ANSI Z60.1

Remove stem girdling, broken or kinked roots. Remove injured roots by cutting cleanly; do not break. Set stock plumb and in center of planting pit or trench with root flare 1-2 inches above adjacent finish grades. To prevent settling of the root ball, root ball should be placed on undisturbed soil only.

Use planting soil as specified in 1.4.2 for backfill. Balled and Burlapped: After placing some backfill around root ball to stabilize plant, carefully cut and remove burlap, rope, and wire baskets from tops of root balls and from sides. Where practical remove burlap, rope and wire baskets from under root balls. Remove pallets, if any, before setting. Do not use planting stock if root ball is cracked or broken before or during planting operation. Container-Grown: Carefully remove root ball from container without damaging root ball or plant.

Fabric Bag-Grown Stock: Carefully remove root ball from fabric bag without damaging root ball or plant. Do not use planting stock if root ball is cracked or broken before or during planting operation. Loosen pot-bound roots and remove or cut any circling and girdling roots.

Do not place root ball directly on any underdrain structures. If root ball is larger than soil depth, adjust root ball such that it is adjacent to but not resting on any underdrain structures. Backfill around root ball in layers, tamping to settle soil and eliminate voids and air pockets. When planting pit is approximately one-half filled,

water thoroughly before placing remainder of backfill. Repeat watering until no more water is absorbed. Continue backfilling process. Water again after placing and tamping final layer of soil. 2-3 inches of mulch material (per 1.2.3) to be placed uniformly on top of soil after plant material is installed.

See details on plans for plant installation.

When planting on slopes, set the plant so the root flare on the uphill side is flush with the surrounding soil on the slope; the edge of the root ball on the downhill side will be above the surrounding soil. Apply enough soil to cover the downhill side of the root ball. Water all trees and shrubs deeply and thoroughly upon installation and as described in section 1.7.3 to maintain health during the first year of establishment.

Place 4" perforated corrugated plastic pipe (CPP) around tree for protection from deer. Cut length to height of tree from root flare to first branch

Stake tree in southwesterly direction. Ties should be loose fitting and allow for natural sway. Remove after one year.

Minimize pruning to dead or broken branches.

and slice lengthwise. (Not necessary in urban areas) Contractor shall be responsible for replacement of any plant material damaged by wildlife if protective CPP is not installed.

- 1.5 QUALITY OF WORKMANSHIP
- 1.5.2 TREES

All workmanship and finishes shall be first class in all respects, and in accordance with the best practice. The drawings and specifications describe the scope of work but do not show or describe all work or material that may be required for full performance and completion of the contract documents. On the basis of the scope shown herein, Contractor shall furnish and install all parts required for the proper execution and completion of the work. Any item included will require the Contractor to furnish and install all parts needed for a complete installation.

- 1.6 GUARANTEE AND WARRANTY
- 1.6.3 TREES

All work in this Section shall be guaranteed against any and all defects in workmanship and materials appearing within a period of one (1) year after final completion of all installation work and acceptance of the work by the Owner. Contractor shall replace, without additional expense to the Owner, any materials and workmanship that show defects within said period, with finished and new materials.

1.7 MAINTENANCE REQUIREMENTS

1.7.3 TREES & SHRUBS

Initial Maintenance Service: Provide maintenance by skilled employees of landscape Installer. Maintain as required in below. Begin maintenance period below.

Maintenance Period for Trees: one year

Maintain plantings by pruning, watering, weeding, mulching, resetting to proper grades or vertical position, and performing other operations as required to establish healthy, viable plantings. Spray or treat as required to keep trees and shrubs free of insects and disease.

Prune trees, shrubs, and vines according to standard professional horticultural and arboricultural practices. Do not cut tree leaders; remove only injured, dying, or dead branches from trees and shrubs; and prune to retain natural character.

Irrigate the plants as necessary to maintain rootball moisture throughout the first growing season. Surrounding soil moisture is not a suitable substitute for rootball moisture evaluation. Use of river water, where available and allowed by federal, state and local authorities, is acceptable for irrigation purposes.

Fill in as necessary soil subsidence that may occur because of settling or other processes. Replace mulch materials damaged or lost in areas of subsidence or where moved by stormwater flows from large rainfall events.

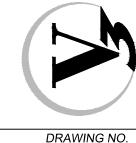
Apply treatments as required to keep plant materials, planted areas, and soils free of pests and pathogens or disease. Use practices to minimize the use of pesticides and reduce hazards.

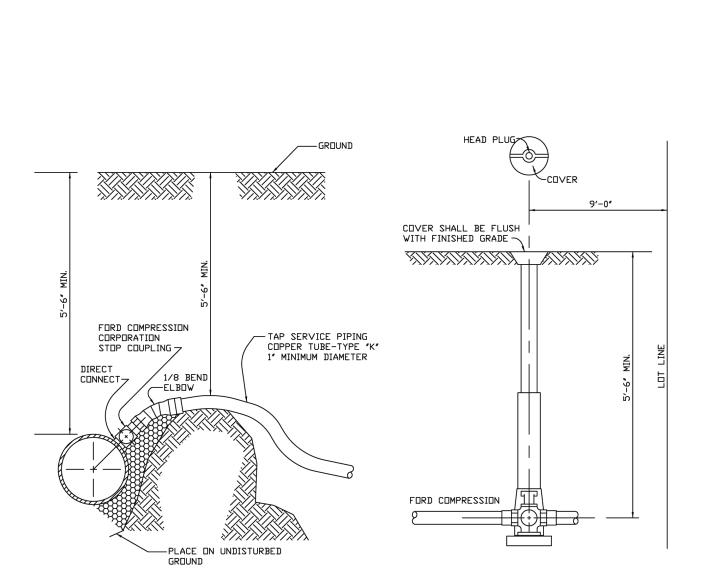
Protect plants from damage due to landscape operations and operations of other contractors and trades. Maintain protection during installation and maintenance periods. Treat, repair, or replace damaged plantings.

After the first growing season, evaluate the health and structure of the plant and provide structural pruning only as necessary.

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) J	Y A	Н	06/11/25	4 06/11/25 ADDED DUPAGE CTY CONSTRUCTION DETAIL			
:	DRAWN BY:	<u> </u>	08/26/25	5 08/26/25 UPDATED PLANS FOR DUDOT			

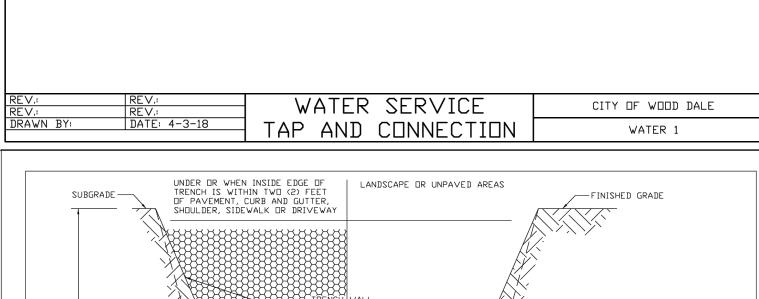
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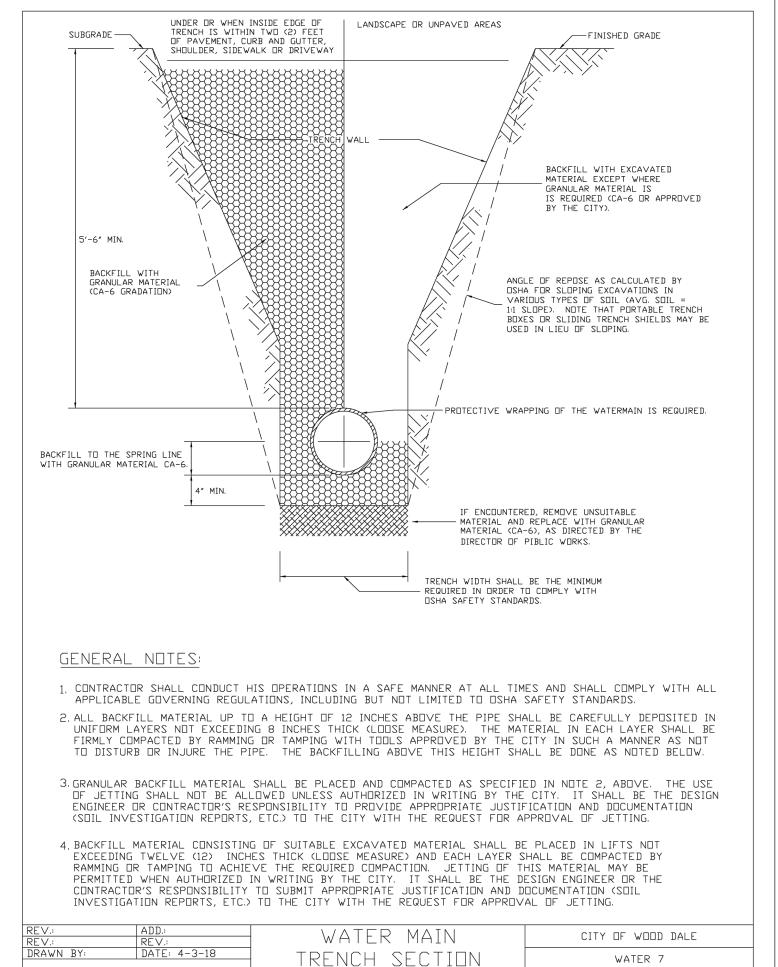


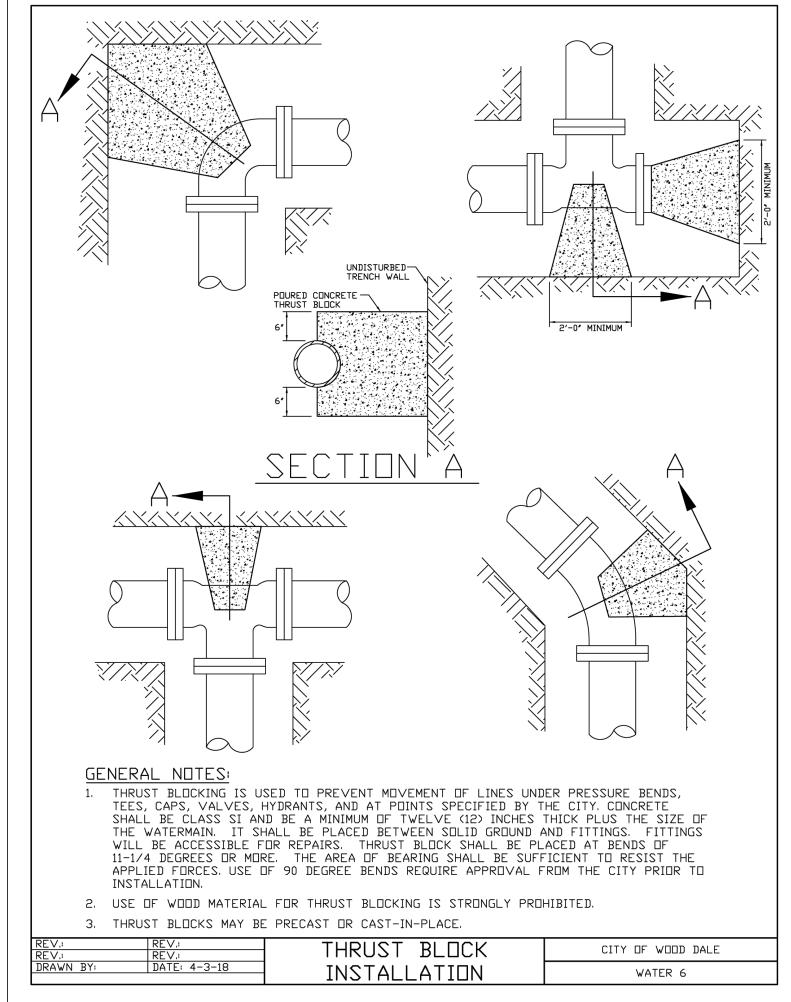


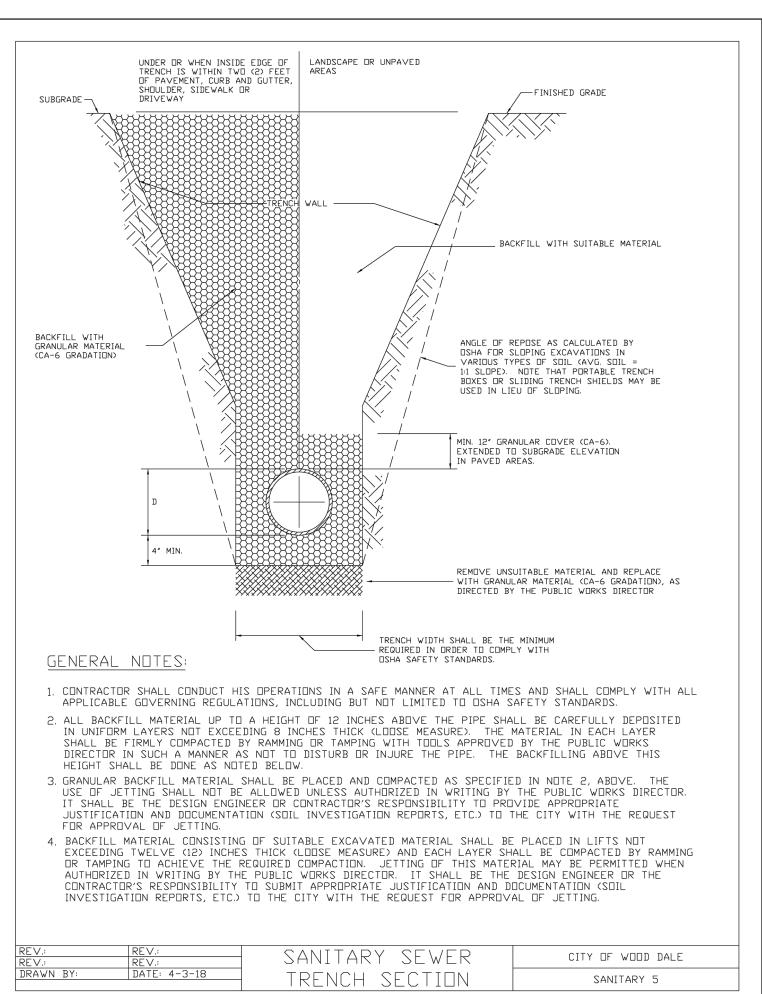
GENERAL NOTES:

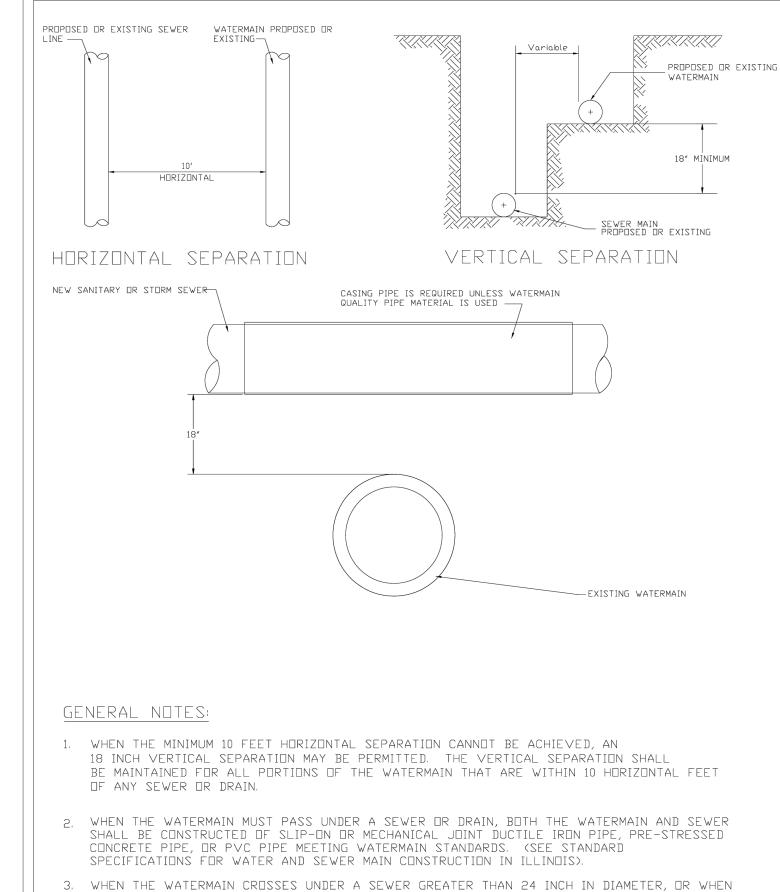
- 1. WATER SERVICE LINE SHALL BE TYPE K COPPER MANUFACTURED IN ACCORDANCE WITH ASTM B88 AND B251 OR APPROVED EQUAL.
- 2. FOR 1" SERVICE LINES CORPORATION STOPS SHALL BE EITHER MUELLER H-15008 OR 2500 AY MCDONALD OR APPROVED EQUAL.
- 3. FOR 1 ½" AND 2" SERVICE LINES CORPORATION STOPS SHALL BE EITHER MUELLER B-25008 OR FORD FB600 OR APPROVED EQUAL.
- 4. SERVICE LINES GREATER THAN 1" N DIAMETER SHALL HAVE A STAINLESS STEEL BANDED DUCTILE IRON SADDLE (JCM 406 OR CASCADE C-2 TAPPING SLEEVE).
- 5. B-BOX SHALL BE MUELLER H-10302 OR APPROVED EQUAL.
- 6. CORPORATION STOPS SHALL BE INSTALLED A MINIMUM OF 18" FROM BELL SECTIONS AND/OR PIPE FITTINGS. MULTIPLE INSTALLATIONS SHALL BE STAGGERED AROUND THE MAIN BY 90° AND SEPARATED BY 18".











WATER AND SEWER SEPARATION

GENERAL NOTES CONT:

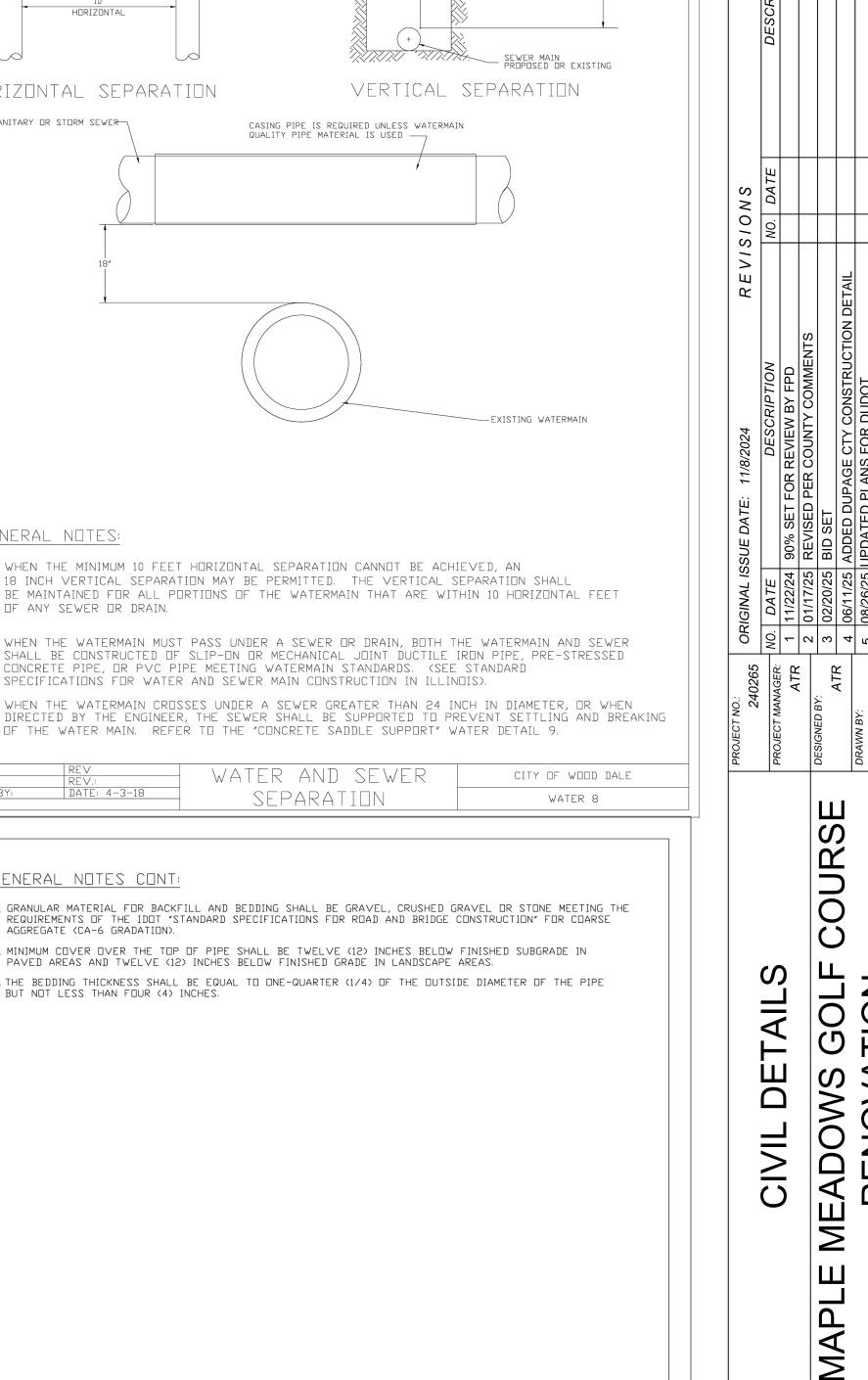
- 5. GRANULAR MATERIAL FOR BACKFILL AND BEDDING SHALL BE GRAVEL, CRUSHED GRAVEL OR STONE MEETING THE REQUIREMENTS OF THE IDOT "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" FOR COARSE AGGREGATE (CA-6 GRADATION).
- 6. MINIMUM COVER OVER THE TOP OF PIPE SHALL BE TWELVE (12) INCHES BELOW FINISHED SUBGRADE IN PAVED AREAS AND TWELVE (12) INCHES BELOW FINISHED GRADE IN LANDSCAPE AREAS.

OF THE WATER MAIN. REFER TO THE "CONCRETE SADDLE SUPPORT" WATER DETAIL 9.

7. THE BEDDING THICKNESS SHALL BE EQUAL TO ONE-QUARTER (1/4) OF THE OUTSIDE DIAMETER OF THE PIPE BUT NOT LESS THAN FOUR (4) INCHES.

SANITARY SEWER

TRENCH SECTION



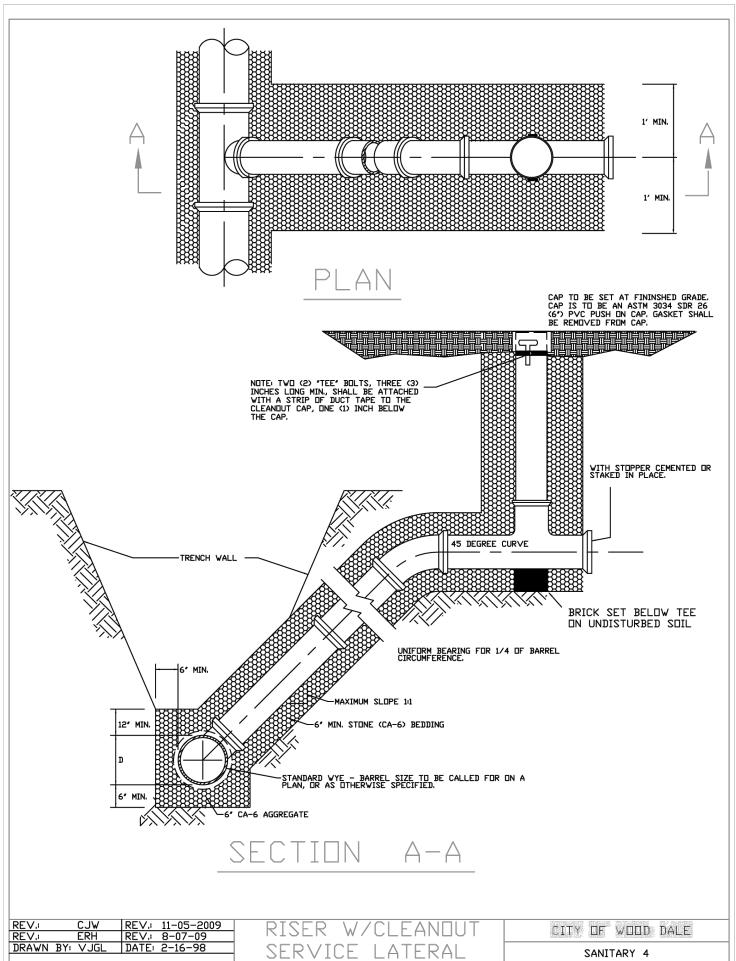
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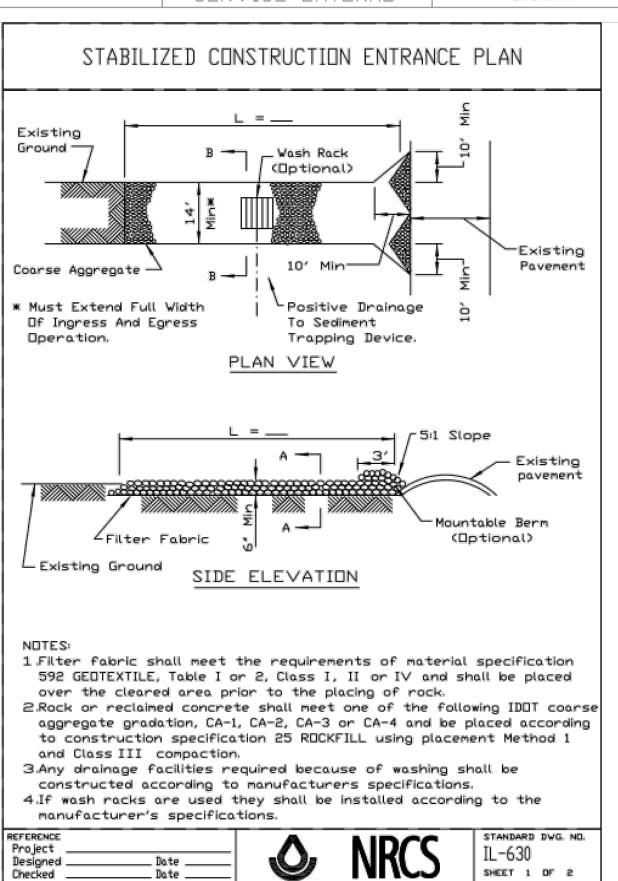
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CITY OF WOOD DALE

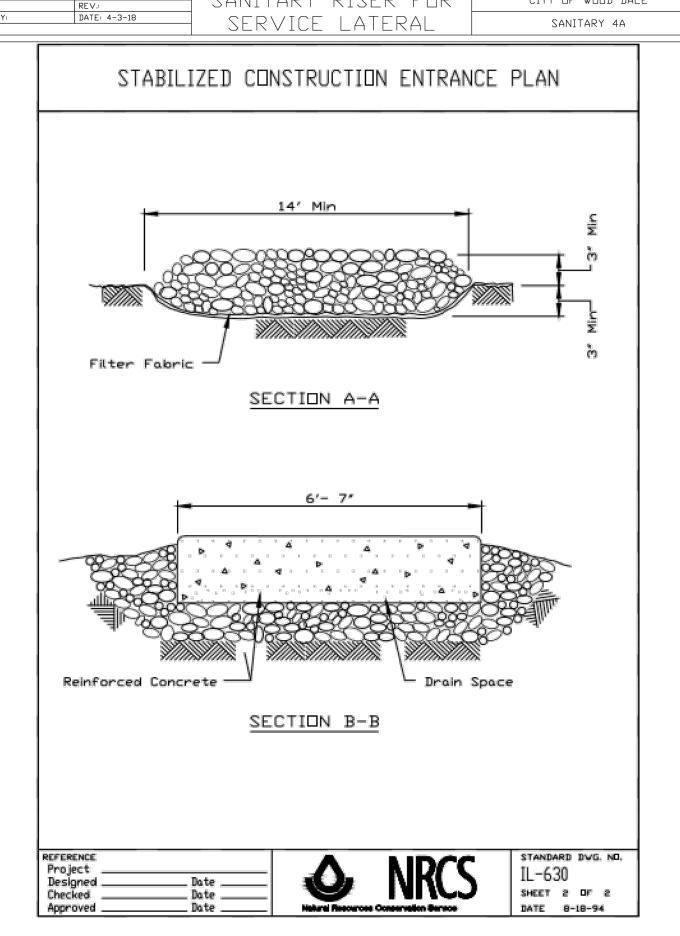
SANITARY 5A

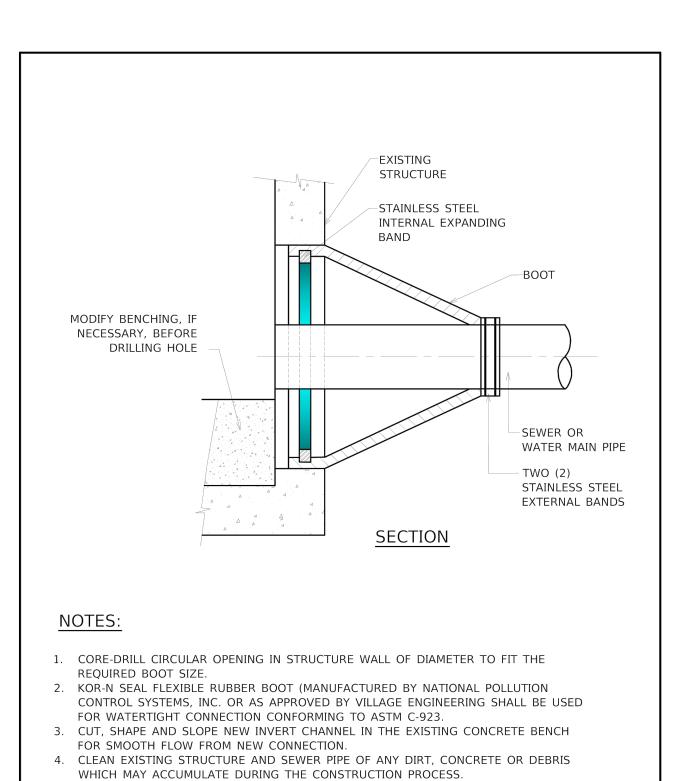




DATE 8-18-94

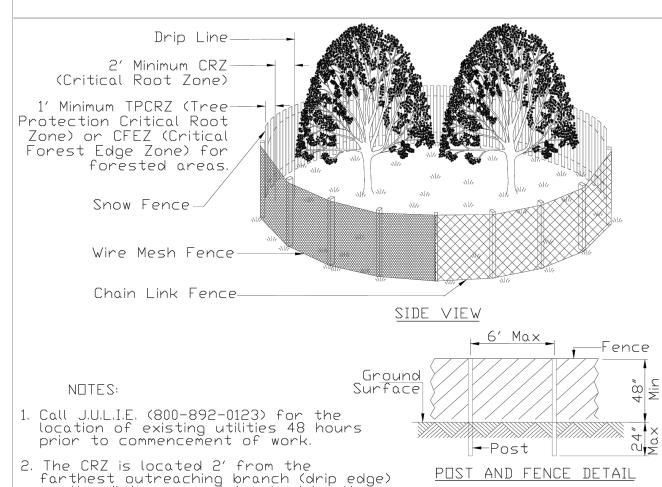
GENERAL NOTES: 1. THE OPEN ENDS SHALL BE PROTECTED FROM DEBRIS ENTERING THE LATERAL. 2. MAXIMUM SLOPE SHALL BE LESS THAN 1 TO 1 WHEN IT IS NECESSARY TO SECURE BEDDING IN UNDISTURBED EARTH. 3. WHEN SERVICE CONNECTION REQUIRES CORING AN EXISTING MAIN, A SEWER SADDLE SHALL BE USED. CLOW TYPE SHALL BE "SEALTITE" OR APPROVED EQUAL. BANDS AND BOLTS SHALL BE STAINLESS STEEL. 4. SERVICE TEE AND CLEAN OUT RISER SHALL BE PVC (SDR26/ASTM D2241). FOR CLEAN OUTS LOCATED WITHIN LANDSCAPED AREAS, THE CONTRACTOR SHALL USE P1215 DWV BUSHING AND G106 CAP MANUFACTURED BY PLASTIC TRENDS, INC (ASTM 3034). GASKET SHALL BE REMOVED 5. CLEAN DUTS SHALL NOT BE LOCATED IN DRIVEWAY APRONS OR SIDEWALK UNLESS APPROVED BY THE PUBLIC WORKS DIRECTOR IF ALLOWED, THE CONTRACTOR SHALL USE SCHEDULE 40 DWV FIPT HUB ADAPTER AND THE RAISED MIPT PLUG (ASTM D 2665 OR ASTM D 1785) AND AN EAST JORDAN FRAME (2885) AND LID (2975). EQUIVALENT FITTINGS FROM OTHER MANUFACTURES ARE ACCEPTABLE AT THE DISCRETION OF THE PUBLIC WORKS DIRECTOR. WRITTEN ACCEPTANCE MUST BE OBTAINED PRIOR TO THE EQUIVALENT MATERIALS BEING APPROVED. GEOMETRIC STANDARDS CANNOT BE VARIED. SANITARY RISER FOR CITY OF WOOD DALE





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	REVI By	Date	TO STRUCTURE	STANDARD: U-4 SHEET: 1 OF 1 CREATED: DPS DATE: 01-06-2020 NOT TO SCALE

TREE PROTECTION - FENCING (Moderately Urbanized to Open Space Areas)



farthest outreaching branch (drip edge)
or the distance as determined by the
ISA trunk diameter method or whichever is greater.

3. The fence shall be located 1' from the Critical Root Zone (CRZ) of the protected tree, thus creating the Tree Protection Critical Root Zone (TPCRZ) and the Critical Forest Edge Zone (CFEZ) for forested

- 4. Fence Posts shall be either 6' steel posts @ 1.33Lbs./Ft. or 2" x 2" nominal wood posts.
- 5. For projects without highly significant or historical trees and that will last for less than 6 months duration, a non-treated wood lath snow fence or wire mesh fencing shall be used with appropriate posts that are securely anchored into the ground. For projects over 6 months in duration or trees considered significant or historical, a chain link fence with Construction Specification Chain Link Fence IUM 91 or better (as approved by the local Forester per local ordinances singularly or in tandem with the project Engineer) shall be used. Fencing shall be a minimum height of 4'. For chain link fencing, metal posts shall be placed 6' on center (OC) and the fencing securely anchored to the post.
- 6. □utside the TPCRZ or CFEZ, erosion and sediment control measures shall be installed to prevent sediment reaching the TPCRZ or the CFEZ. These measures shall extend out from the fence 10′ and shall be continuous around the perimeter of the fence. These measures include, but are not limited to vegetative filter strip, rolled excelsior blankets and mulch with a 3″ to 5″ depth. □ther measures may be used if approved by the Professional Forester, Certified Arborist or Horticulturalist. Installation shall cause no disturbance to soils.

REFERENCE
Project
Designed ______ Date _____
Checked _____ Date _____
Approved _____ Date _____



STANDARD DWG. NO.

IUM-690-A

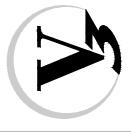
SHEET 1 OF 1

DATE 09-14-2017

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181	NC							
ORIGINAL ISSUE DATE: 11/8/2024 REVISIONS	DESCRIPTION	11/22/24 90% SET FOR REVIEW BY FPD	2 (01/17/25) REVISED PER COLINTY COMMENTS		3 02/20/25 BID SET	4 06/11/25 ADDED DUPAGE CTY CONSTRUCTION DETAIL	5 08/26/25 UPDATED PLANS FOR DUDOT	
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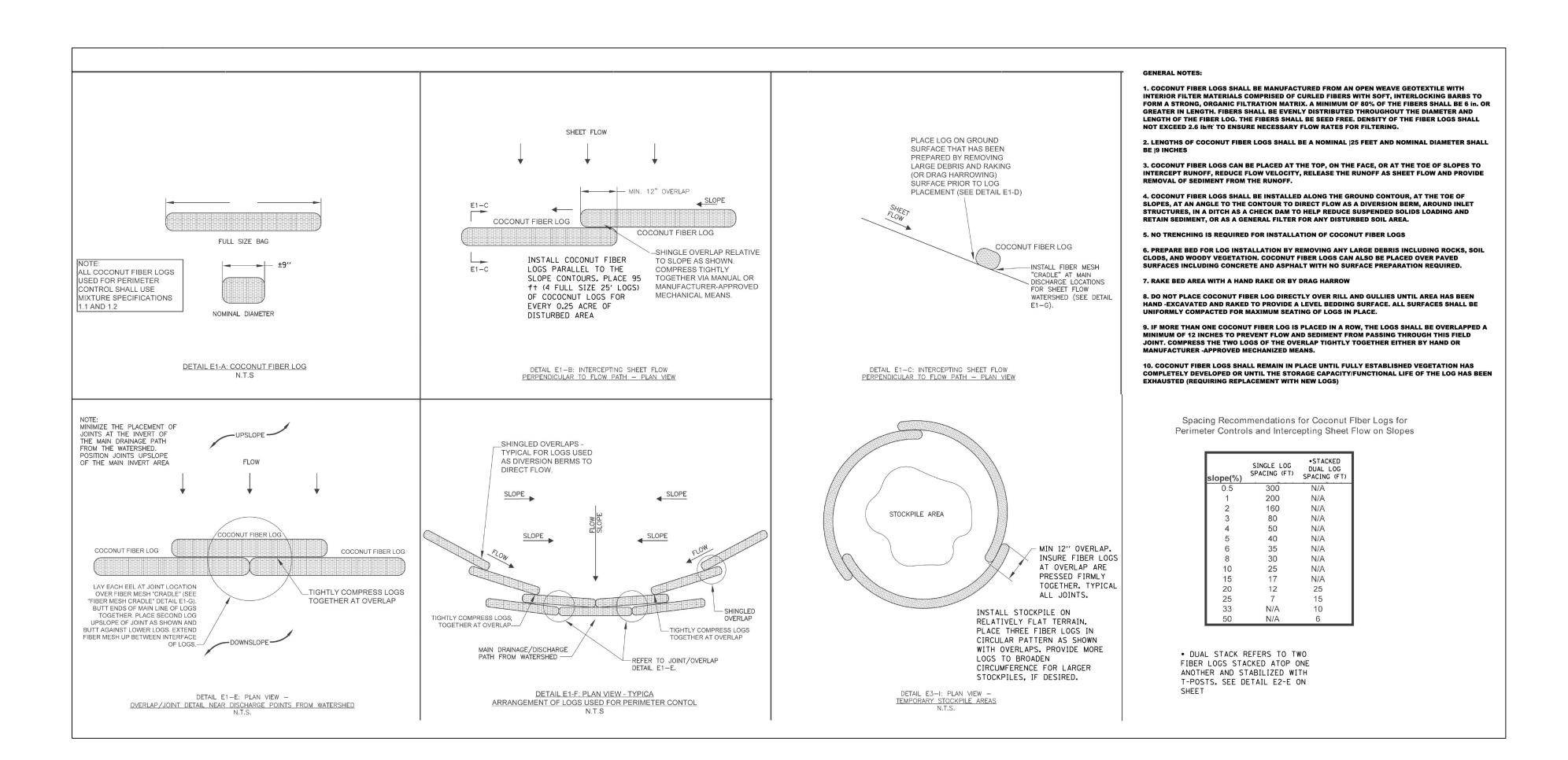
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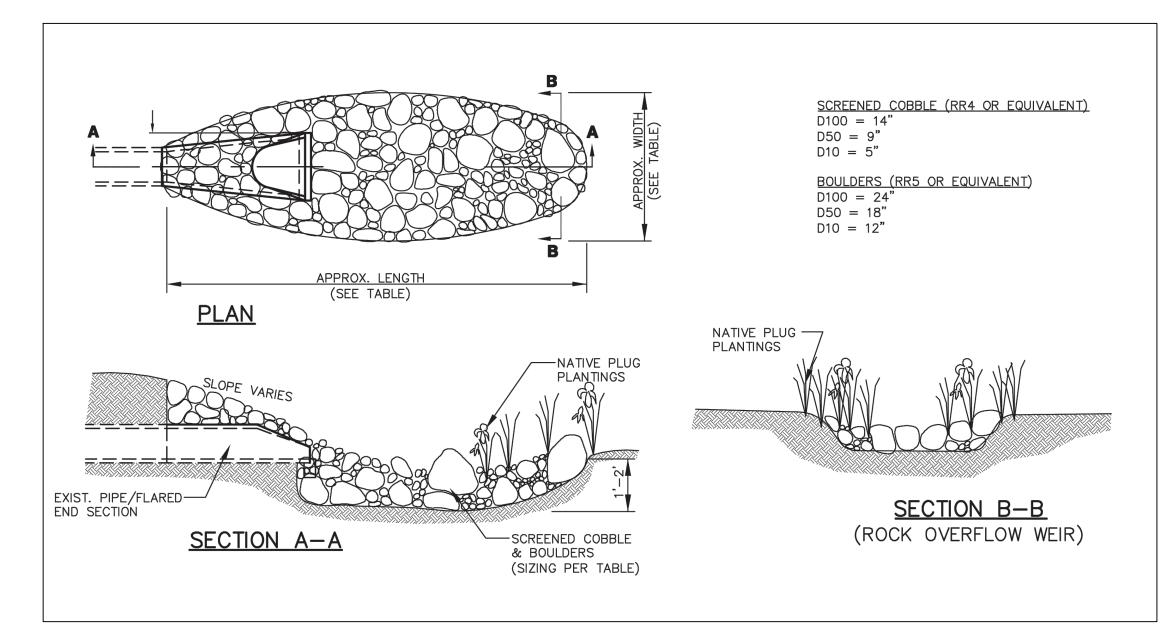
7325 JANES AVE WOODRIDGE, IL 60521 (630)-724-9200 www.v3co.com



DRAWING NO.

C8.2

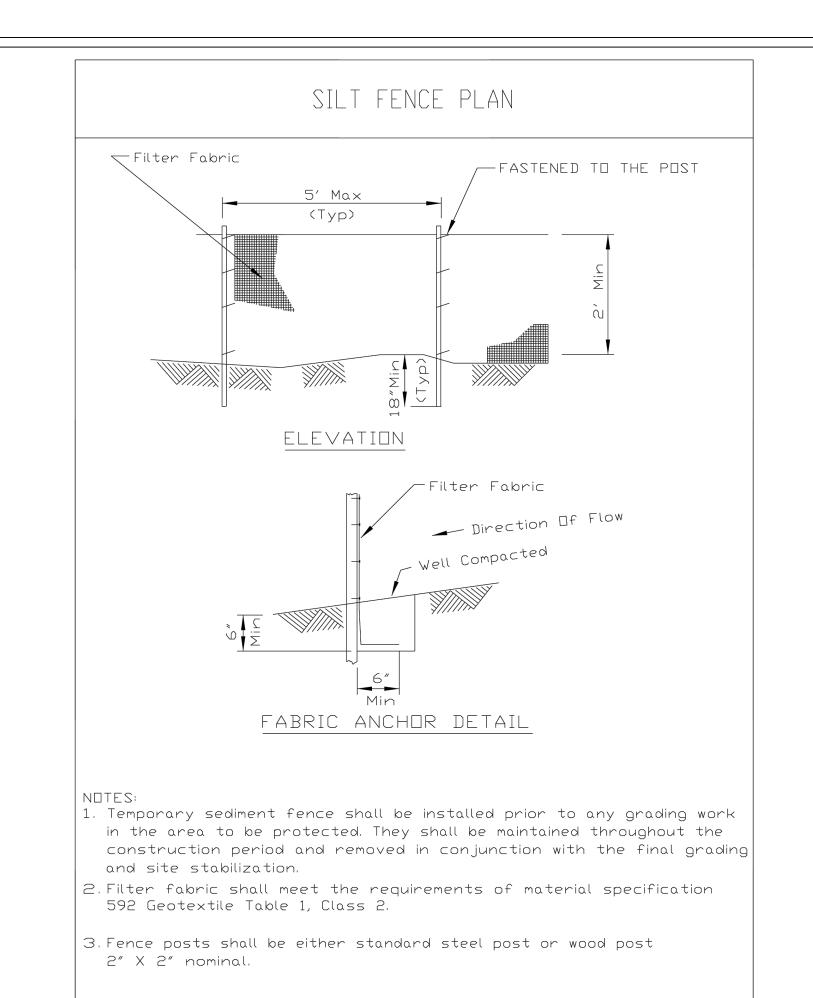


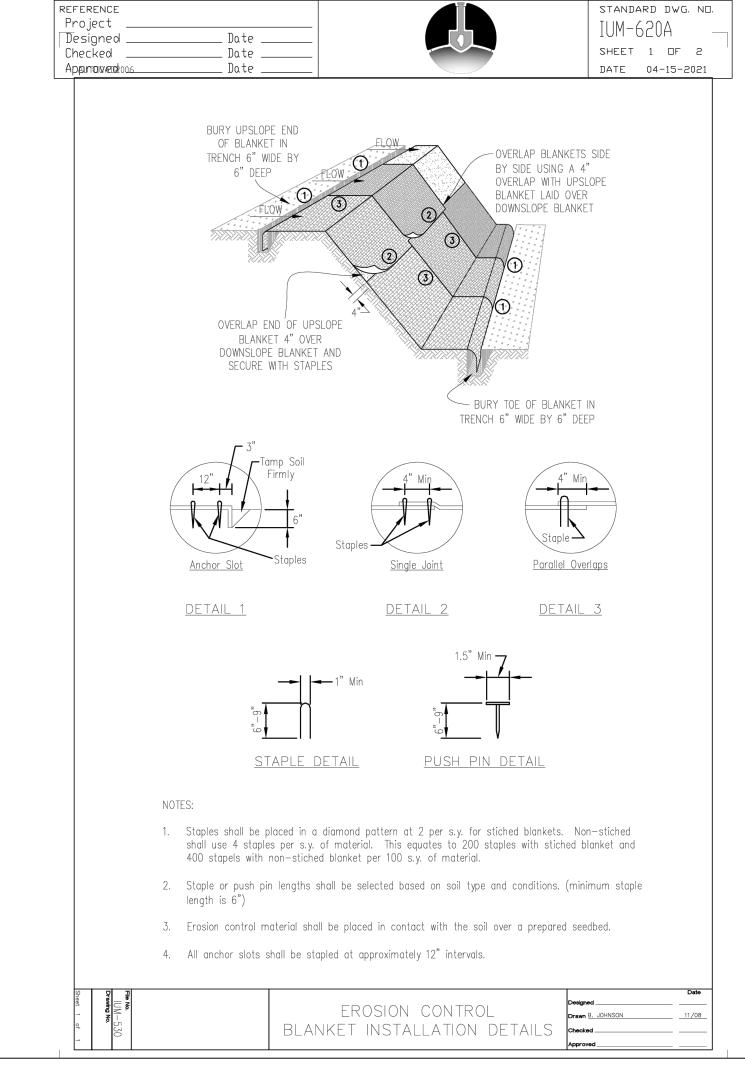


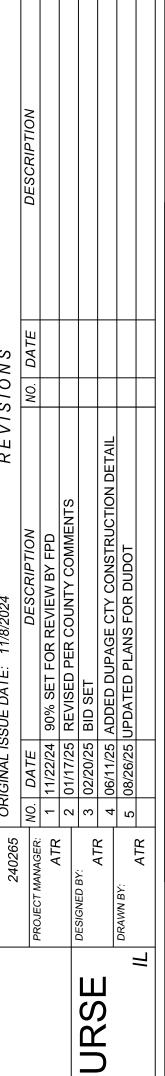
RIP RAP PROTECTION FOR FLARED END SECTION OUTLETS

Culvert Diameter (inches)	Length of Rip Rap Protection (feet)
4	6
6	6
8	6
12	10
18	14
21	14
24	16
30	18
36	20
42	24
48	24

*WIDTH = 2 X CULVERT DIAMETER

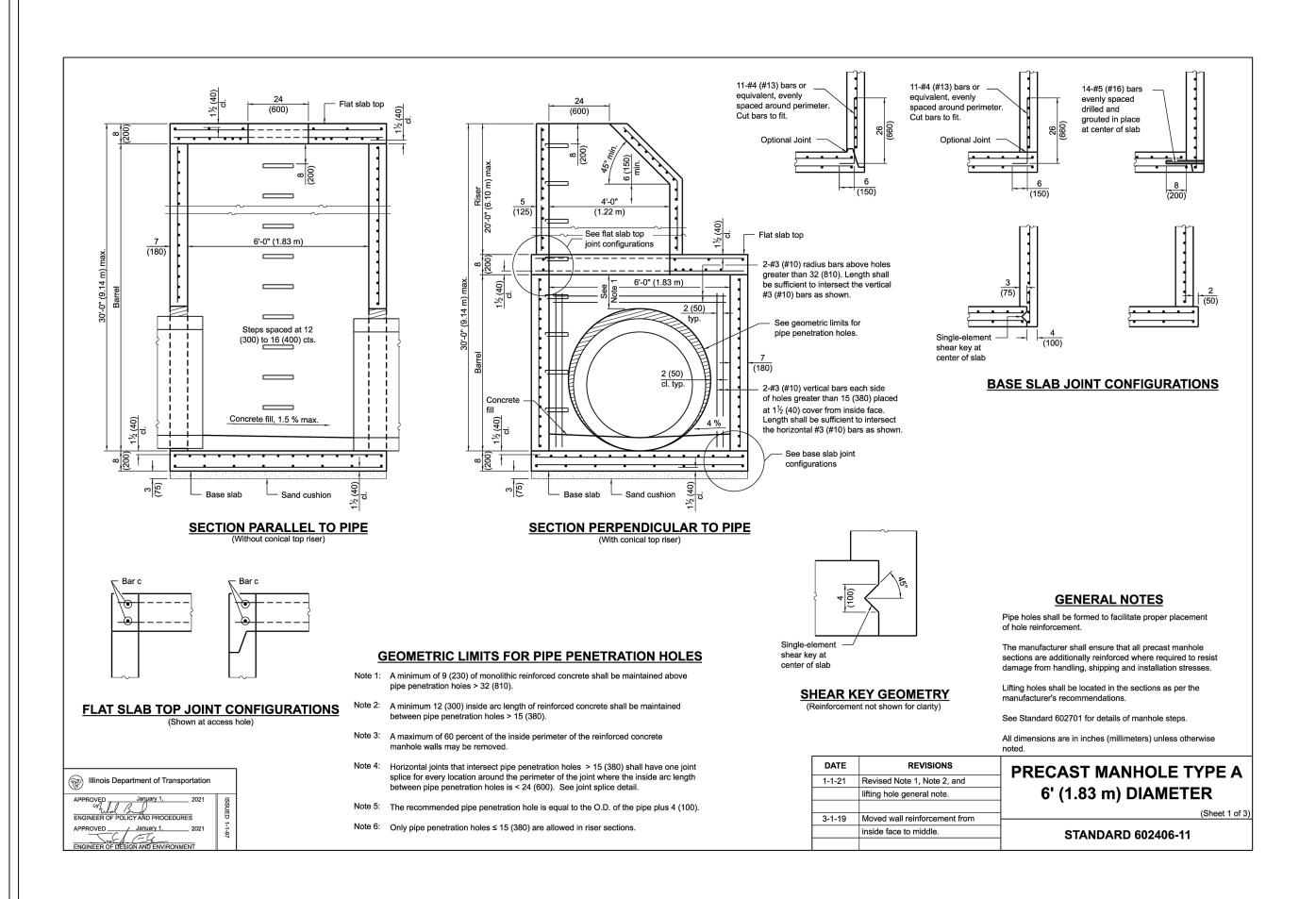


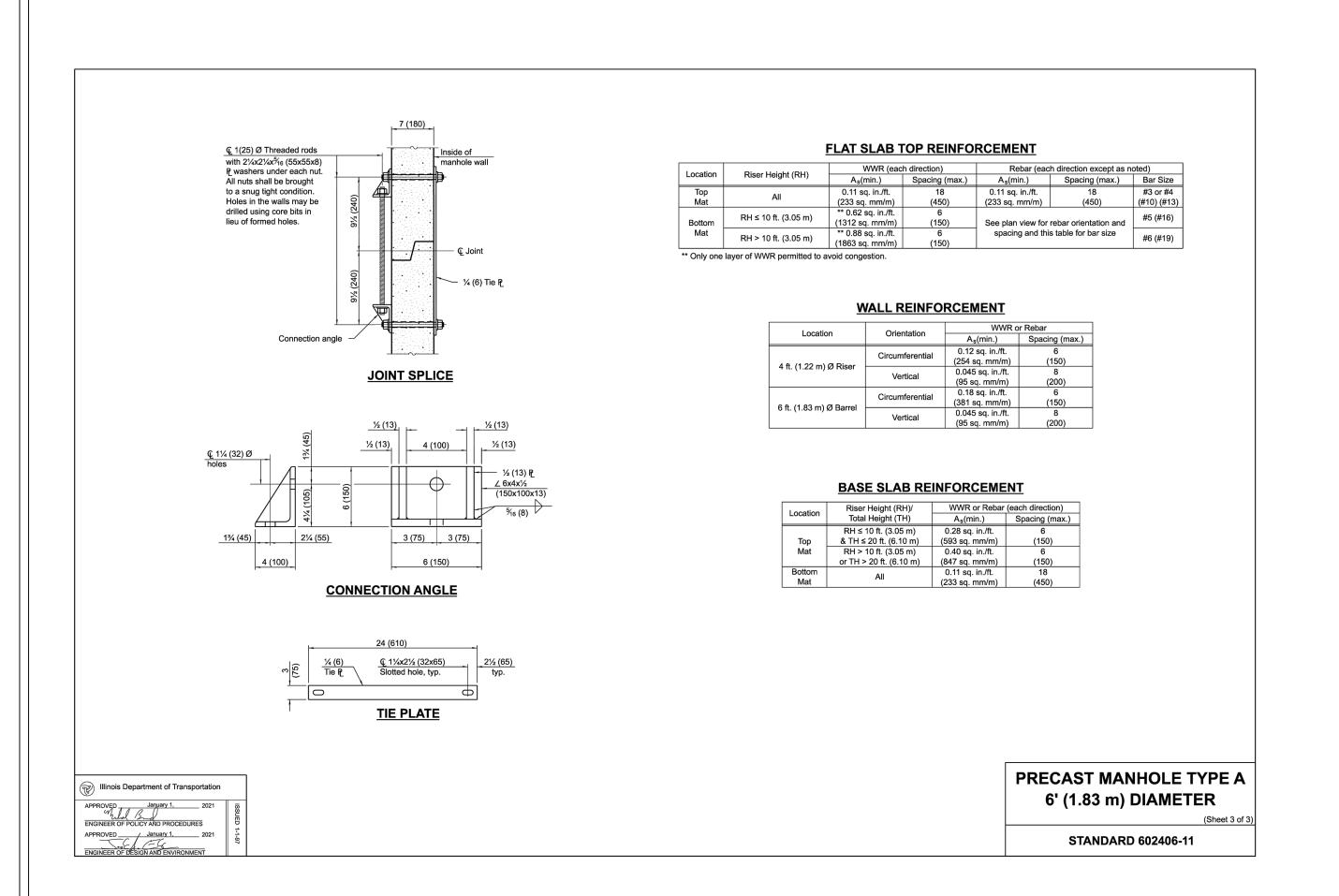


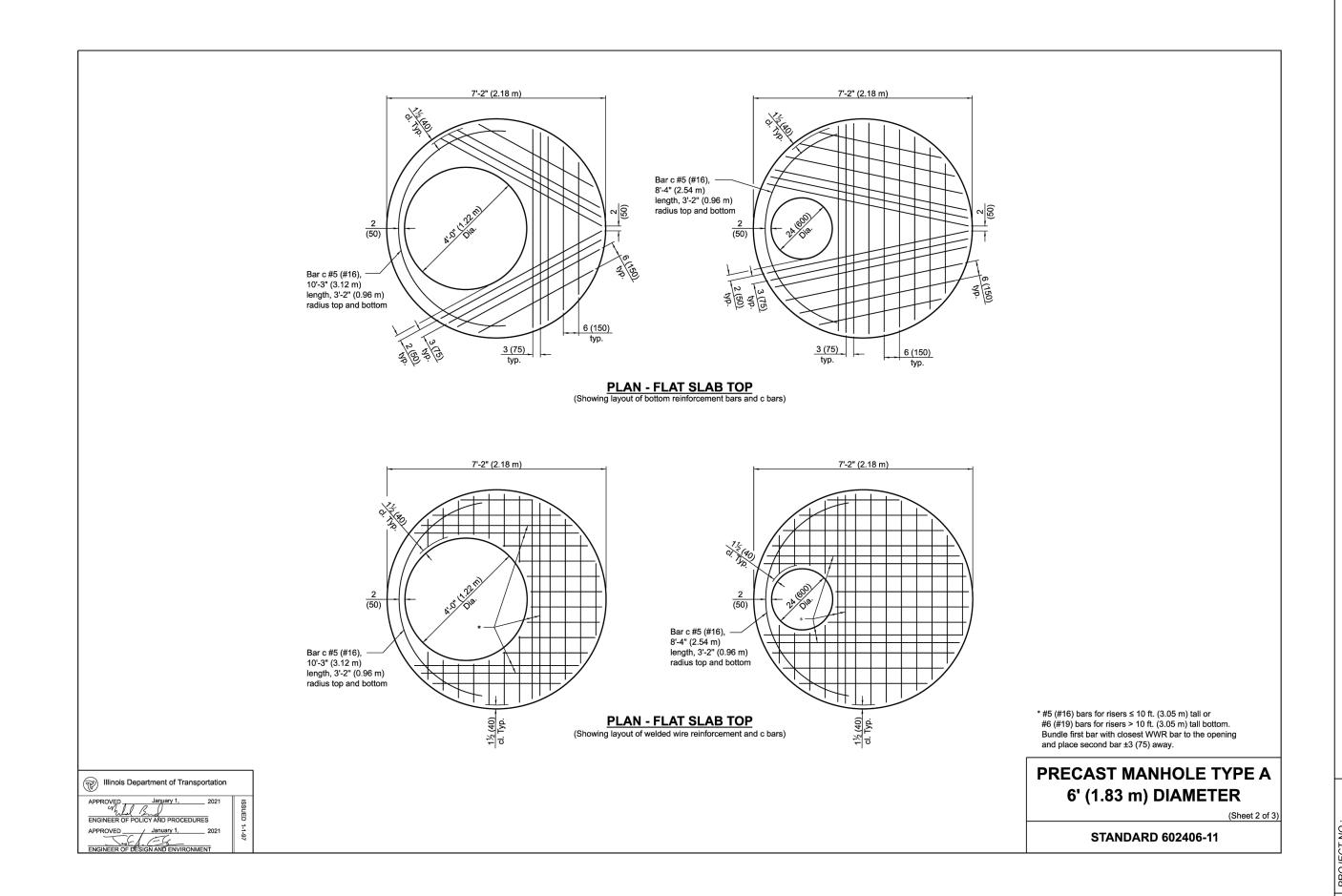


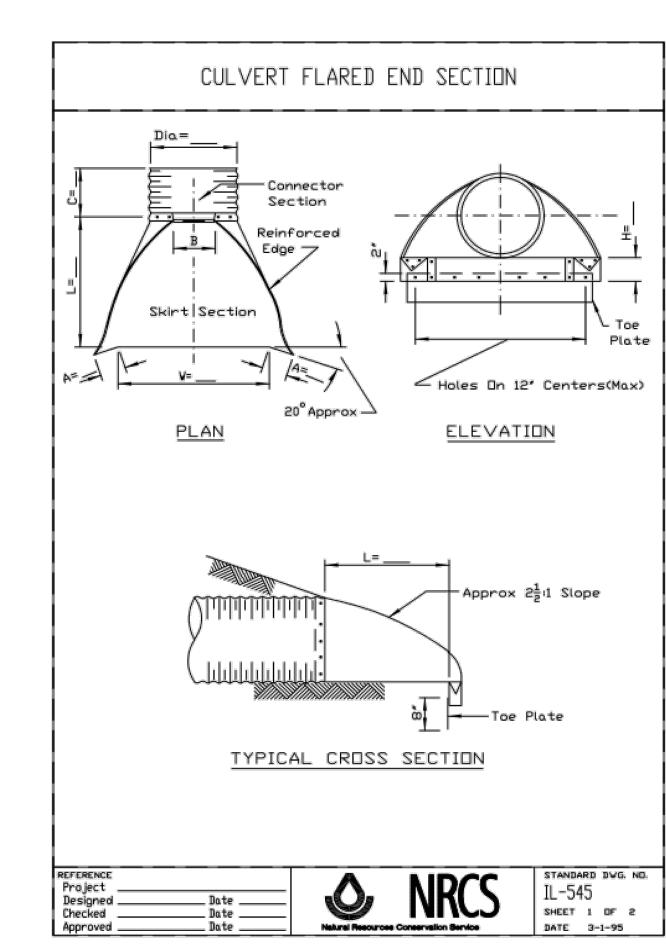
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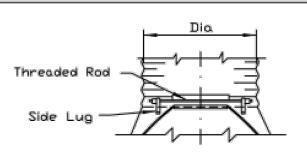












ALTERNATE CONNECTION

			DIMENSIONS								
DIA	SHEET THICKNESS	A * 1'	B MAX	H ₩ 1″	L * 1 1/2′	* 2*	С				
12"	.064"	6*	6*	6*	21*	24*	24				
15*	.064*	7*	8"	6"	26*	30*	24				
18"	.064"	8*	10*	6"	31*	36*	24				
24*	.064*	10*	13*	6"	41*	48*	24				
30*	.079*	12*	16*	8*	51*	60*	24				
36*	.079*	14"	19"	9*	60*	72*	36				
42"	.109*	16*	22*	11"	69*	84*	36				
48*	.109"	18*	27*	12*	78*	90*	24				
54″	.109*	18*	30*	12*	84*	102*	36				
60*	.109*138*	18*	33*	12"	87*	114*	36				

NOTES:

- Toe plate, where needed, to be punched to match holes in skirt lip.
 3/8" galv, bolts to be furnished. Length of toe plate is W+10" for 12" to 30" dia. pipe and W+22" for 36" to 60" dia. pipe.
- Skirt section for 12" to 30" dia. pipe to be made in one piece.
 Skirt section for 36" to 54" pipe to be made from two sheets joined by riveting or bolting on center line, 60" may be constructed in 3 pieces.
- 4. Connector section, corner plate and toe plate to be same sheet
- thickness as skirt. 5. End sections and fittings are to be galvanized steel or aluminum
- alloy for use with like pipe.

 6. Where flared end sections are to be used with bituminous coated and paved metal pipe, they are to be galvanized only.

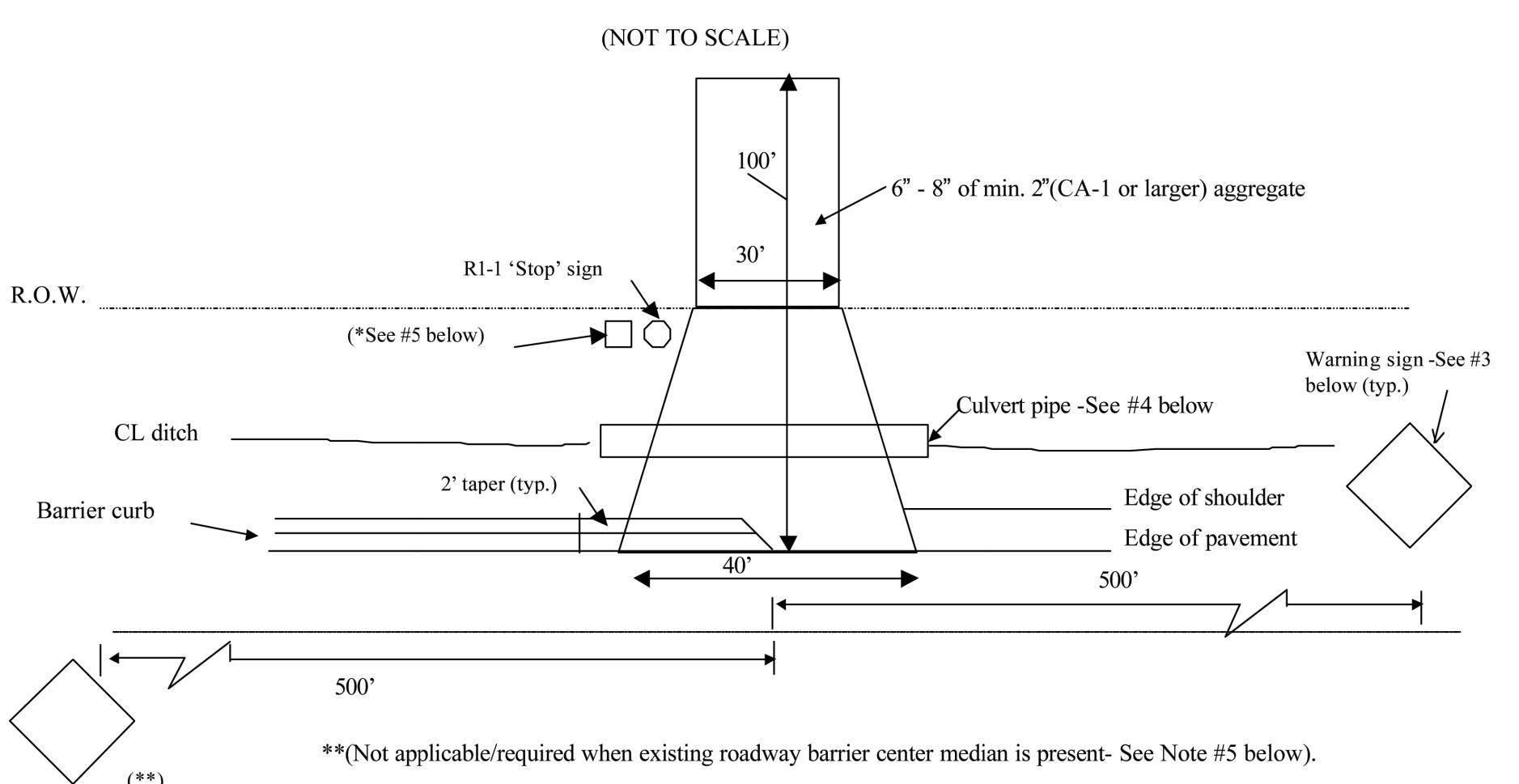
REFERENCE Project Date Date	NRCS	STANDARD DWG. NO. IL-545 SHEET 2 OF 2 DATE 3-1-95
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MAPL

C8.4

DuPage County Division of Transportation- Temporary Construction Entrance Standard



Construction requirements/conditions:

- 1. Pavement, curb/gutter and storm structures shall be maintained free of mud/debris at <u>all</u> times. Rubber tired equipment and a street sweeper shall be kept on call on an "as needed" basis at all times during construction.
- 2. The petitioner is solely responsible for any repairs and associated costs for replacement to any pavement or curb/gutter adjacent to temporary construction entrance/haul road damaged due to the permitted work.
- 3. The petitioner is responsible to erect and maintain the black on orange warning signage until the time that the temporary entrance is removed. Signage shall state be either: "Construction Entrance 500'" or "Trucks Entering and Leaving Highway" according to the M.U.T.C.D. Sign frames shall be sand bagged.
- 4. Culvert pipe, if applicable, shall be 15" (min.) dia. x 30' (min.). Side slopes from edge of drive, back of curb and edge of shoulder shall not exceed 3:1.
- *5. Barrier median on roadway will require that the petitioner/contractor install an R3-2 'No Left Turn' (symbol) sign (per the M.U.T.C.D.) to prevent outbound cross median traffic.
- 6. Disturbed areas of the right of way shall be dressed with a minimum of 6" topsoil and seed (with erosion control blanket or hydro seeding) or sod (salt tolerant and staked in place). Erosion control measures shall comply with the minimum requirements of the DuPage County Stormwater and Floodplain Ordinance specifications at all times.

(TempHaulStd.doc), rjk (2/27/04 Rev. R.K.)

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CIVIL DETAILS

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325 JANES AVE VOODRIDGE, IL 60521 530)-724-9200 /ww.v3co.com



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