

# FINAL SITE DEVELOPMENT PLANS FOR **WISE COMMONS** SCHAUMBURG, ILLINOIS

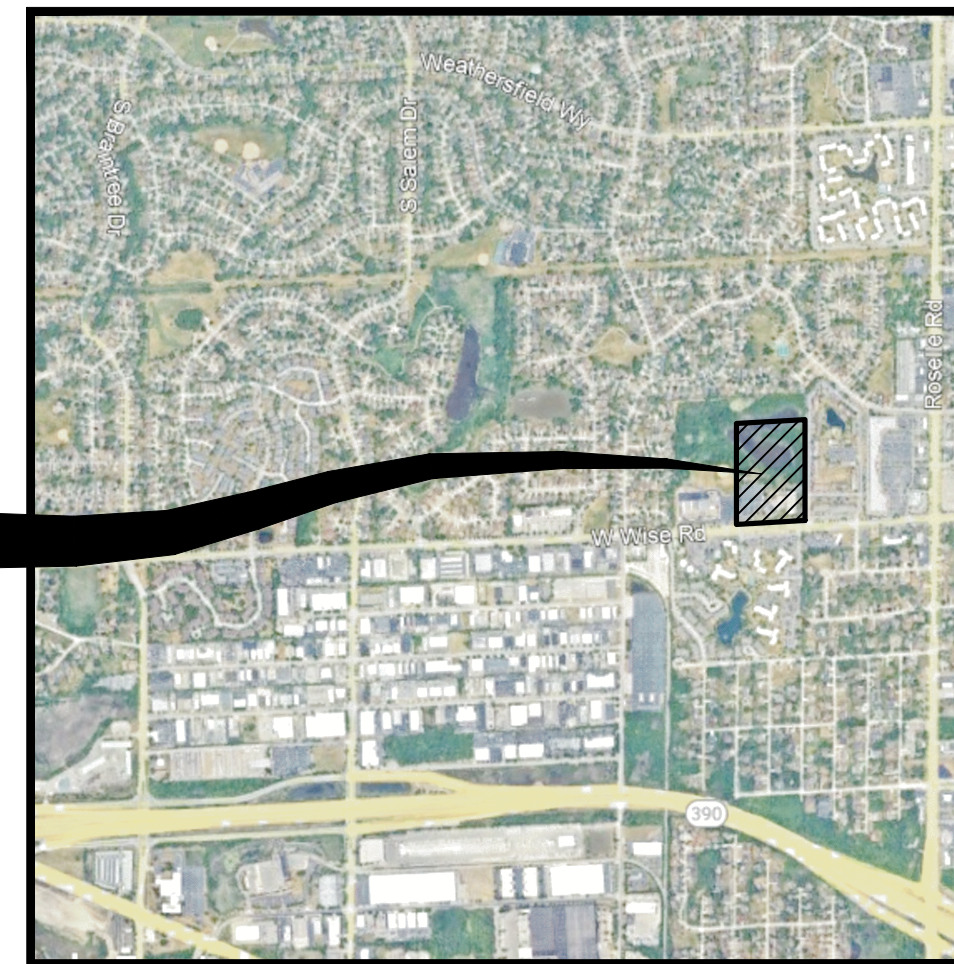
## WATERMAIN - SANITARY SEWER - STREET - STREET LIGHTING AND DRAINAGE IMPROVEMENTS

WISE COMMONS - FINAL ENGINEERING - 402.161 - AS SUBMITTED: 08-27-2024/LAL

### LEGEND

EXISTING	PROPOSED	DESCRIPTION
		MANHOLE
		CATCH BASIN
		INLET
		CLEANOUT
		SLOPE INLET BOX
		HEADWALL
		END SECTION
		STORM SEWER
		SANITARY SEWER
		WATERMAIN
		VALVE & BOX
		WATER VALVE IN VAULT
		FIRE HYDRANT
		CONTOURS (ELEV)
		ELEV
		STREET LIGHT
		WATERMAIN PROTECTION
		SILT FENCE INLET PROTECTOR
		TEMPORARY STRAW BALE DITCH CHECK
		SILT FENCE DITCH CHECK
		RIP-RAP
		OVERFLOW ROUTE
		OBSERVATION WELL
		UNDERDRAIN

PROJECT LOCATION



### LOCATION MAP

BFE = 810  
FLOOD PROTECTION ELEVATION = 811  
LOWEST OPENING = 814

### BENCH MARKS

#### BENCHMARK\CONTROL POINTS

**ELEVATION REFERENCE MARK:**  
NGS MONUMENT 2040 (PID DK3268): THE STATION IS LOCATED AT THE SOUTHEAST CORNER OF THE T INTERSECTION OF WISE ROAD AND PLEASANT LANE. THE STATION IS 60.6 FT EAST OF THE CENTERLINE OF PLEASANT LANE, 40.0 FT SOUTH OF THE CENTERLINE OF WISE ROAD, 30.9 FT NORTHEAST OF A POWER POLE, AND 19.1 FT EAST OF A FIRE HYDRANT. THE MONUMENT IS A 2 INCH ALUMINUM CAP SET IN CONCRETE. THE MONUMENT IS 0.5 FT ABOVE STREET GRADE.  
ELEVATION: 802.00 NAVD 88

**CONTROL POINTS:**  
CP #134: SET "+" IN TOP OF CONCRETE CURB ON THE WEST END OF THE PARKING LOT EAST OF THE SUBJECT SITE APPROXIMATELY 146 FEET NORTH OF THE CENTERLINE OF WISE ROAD AND 16 FEET EAST OF THE EAST LINE OF SUBJECT SITE.  
NORTHING: 1944699.35  
EASTING: 1051783.12  
ELEVATION: 817.70 NAVD 88

CP #136: SET "+" IN TOP OF CONCRETE CURB ON THE WEST END OF THE PARKING LOT EAST OF THE SUBJECT SITE APPROXIMATELY 1055 FEET NORTH OF THE CENTERLINE OF WISE ROAD AND 9 FEET EAST OF THE EAST LINE OF SUBJECT SITE.  
NORTHING: 1945609.97  
EASTING: 1051777.40  
ELEVATION: 815.20 NAVD 88

**DRAINAGE STATEMENT:**  
TO THE BEST OF OUR KNOWLEDGE AND BELIEF, THE DRAINAGE OF SURFACE WATERS WILL NOT BE CHANGED BY THE CONSTRUCTION OF THIS PROPOSED DEVELOPMENT, OR, THAT IF DRAINAGE WILL BE CHANGED, REASONABLE PROVISION HAS BEEN MADE FOR THE COLLECTION AND DIVERSION OF SUCH SURFACE WATERS INTO THE PUBLIC AREAS, OR DRAINS APPROVED FOR THE USE BY THE MUNICIPAL ENGINEER, AND THAT SUCH SURFACE WATERS ARE PLANNED FOR IN ACCORDANCE WITH GENERALLY ACCEPTED ENGINEERING PRACTICES SO AS TO REDUCE THE LIKELIHOOD OF DAMAGE TO THE ADJOINING PROPERTIES BECAUSE OF THE CONSTRUCTION OF THIS PROPOSED DEVELOPMENT.

CHRISTOPHER R. MORGART  
REGISTERED PROFESSIONAL ENGINEER #062-055788

DATE: \_\_\_\_\_  
RELEASED FOR PLAN REVIEW AND PERMIT PROCESSING ONLY.  
IF USED FOR BIDDING PURPOSES, THOSE PARTIES CONCERNED SHALL BE ADVISED THAT REVISIONS MAY BE REQUIRED PRIOR TO PLAN APPROVAL.  
NOT ISSUED FOR CONSTRUCTION UNTIL APPROVED BY THE VILLAGE OF SCHAUMBURG AND PERMITTED AS REQUIRED.

**FOR UNDERGROUND UTILITY LOCATIONS, CALL J.U.L.I.E. TOLL FREE TEL. 1-800-892-0123 or 811**

### INDEX OF SHEETS

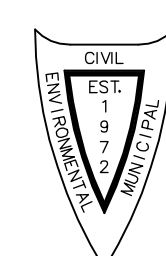
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PROJECT NOTE: ALL UTILITIES, PAVEMENTS, STORMWATER FACILITIES, AND SITE GEOMETRICS TO BE CONSTRUCTED IN CONFORMANCE WITH THE CURRENT VILLAGE OF SCHAUMBURG STANDARD SPECIFICATIONS, THE ILLINOIS URBAN MANUAL - LATEST EDITION, AND THE MWRD'S WATERSHED MANAGEMENT ORDINANCE.

### PROFESSIONAL ENGINEER'S CERTIFICATION

STATE OF ILLINOIS) SS.  
COUNTY OF DU PAGE)  
I, CHRISTOPHER R. MORGART, A LICENSED PROFESSIONAL ENGINEER OF ILLINOIS, HEREBY CERTIFY THAT THIS TECHNICAL SUBMISSION WAS PREPARED ON BEHALF OF PULTE HOME COMPANY, LLC, BY CEMCON, 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 27TH DAY OF AUGUST, A.D., 2024.  
  
ILLINOIS LICENSED PROFESSIONAL ENGINEER NO. 062-055788  
MY LICENSE EXPIRES ON NOVEMBER 30, 2025  
PROFESSIONAL DESIGN FIRM LICENSE NUMBER 184-002937  
EXPIRES APRIL 30, 2025  
NOTE: UNLESS THIS DOCUMENT BEARS THE ORIGINAL SIGNATURE AND IMPRESSED SEAL OF THE DESIGN PROFESSIONAL ENGINEER, IT IS NOT A VALID TECHNICAL SUBMISSION.

PREPARED FOR:  
PULTE HOME COMPANY, LLC  
1900 E. GOLF ROAD, SUITE 300  
SCHAUMBURG, IL 60173  
(847) 230-5400



PREPARED BY:  
**CEMCON, Ltd.**  
Consulting Engineers, Land Surveyors & Planners  
2280 White Oak Circle, Suite 100  
Aurora, Illinois 60502-9675  
Ph: 630.862.2100 Fax: 630.862.2199  
E-Mail: info@cemcon.com Website: www.cemcon.com

REVISIONS					
NO.	DATE	SHEETS	NO.	DATE	SHEETS

JOB NO. 402.161  
COMPLETION DATE :  
AUGUST 27, 2024  
SHEET 1 OF 27

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**CONSTRUCTION SPECIFICATIONS – GENERAL NOTES**

**VILLAGE OF SCHAUMBURG STANDARD ENGINEERING NOTES**

**VILLAGE OF SCHAUMBURG EROSION AND SEDIMENT CONTROL NOTES**

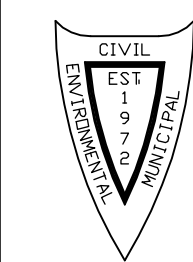
1. THE COMMUNITY DEVELOPMENT DEPARTMENT MUST BE NOTIFIED ONE BUSINESS DAY PRIOR TO EACH INSPECTION AT 847.923.4420. A MINIMUM NOTICE OF THREE BUSINESS DAYS IS REQUIRED BY THE ENGINEERING AND PUBLIC WORKS DEPARTMENT, 847.895.7100, FOR A WATER MAIN SHUT DOWN IN A COMMERCIAL AREA.
2. TREE PROTECTION FENCING MUST BE INSTALLED, INSPECTED, AND APPROVED BY THE VILLAGE PRIOR TO THE ISSUANCE OF A LAND DEVELOPMENT PERMIT. THE FENCING MUST BE MAINTAINED FOR THE DURATION OF THE SITE WORK.
3. A SEPARATE ELECTRICAL PERMIT MUST BE OBTAINED FROM THE COMMUNITY DEVELOPMENT DEPARTMENT PRIOR TO INSTALLING ANY SITE LIGHTING. THE ELECTRICAL SYSTEM MUST BE APPROVED AS PART OF THE ELECTRICAL PERMIT FOR THE SITE LIGHTING. THE DETAILED PHOTOMETRICS AND EXTERIOR LIGHT POLE LOCATIONS MUST BE APPROVED AS PART OF THE LAND DEVELOPMENT PERMIT.
4. THE CONTRACTOR SHALL INDEMNIFY THE VILLAGE, AND THEIR AGENTS, ETC. FROM ALL LIABILITY INVOLVED WITH THE CONSTRUCTION, INSTALLATION, TESTING, AND OPERATION OF ALL WORK ASSOCIATED WITH THIS PROJECT.
5. THE CONTRACTOR IS RESPONSIBLE FOR HAVING A SET OF THE "APPROVED" LAND DEVELOPMENT PERMIT PLANS ON THE JOB SITE DURING CONSTRUCTION. THE CONTRACTOR IS ALSO RESPONSIBLE FOR MAKING ANY NECESSARY COPIES OF THE "APPROVED" PLANS FOR ALL SUBCONTRACTORS PERFORMING SITE WORK.
6. THE CONTRACTOR IS TO VERIFY THE LOCATION, DEPTH, AND INVERT OF ALL EXISTING UTILITIES AND FACILITIES PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING PUBLIC OR PRIVATE UTILITIES, OR THE RELOCATION OF ANY EXISTING UTILITIES TO FACILITATE THE INSTALLATION OF THE NEW SITE WORK. THE CONTRACTOR MUST NOTIFY THE DESIGN ENGINEER IMMEDIATELY OF ANY DISCREPANCIES WITH THE PLANS AND ANY EXISTING UTILITIES. NO WORK IS TO BE DONE UNTIL THE DISCREPANCY IS RESOLVED.
7. ACCESS TO THE SITE, AND TO WITHIN 100 FEET OF ANY BUILDING, SHALL BE PROVIDED FOR EMERGENCY VEHICLES AT ALL TIMES VIA A 20 FOOT WIDE APPROVED ALL-WEATHER ROAD. AN APPROVED WATER SUPPLY SHALL BE AVAILABLE WITHIN 100 FEET OF ANY BUILDING PRIOR TO DELIVERY OF ANY COMBUSTIBLE MATERIALS TO THE SITE.
8. NO HOLES ARE TO BE LEFT OPEN IN THE PAVEMENT OR PARKWAY OVER ANY HOLIDAY, WEEKEND, OR AFTER 3 PM ON THE DAY PRECEDING ANY HOLIDAY OR ANY WEEKEND.
9. ALL EXISTING PAVEMENT OR CONCRETE TO BE REMOVED SHALL BE SAWCUT FULL-DEPTH ALONG THE LIMITS OF PROPOSED REMOVAL BEFORE COMMENCEMENT OF THE PAVEMENT REMOVAL.
10. ALL PUBLIC RIGHT OF WAY AREAS THAT ARE DISTURBED DURING CONSTRUCTION SHALL BE RESTORED WITH 4" OF TOPSOIL AND SOD. SEEDING WILL NOT BE PERMITTED IN THESE AREAS.
11. ALL PAVING, SUBGRADE PREPARATION, CURBING, AND SIDEWALK CONSTRUCTION SHALL CONFORM TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" AND THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", LATEST EDITIONS.
12. NO ASPHALT WORK IS ALLOWED BETWEEN NOVEMBER 1ST AND APRIL 1ST WITHOUT THE WRITTEN PERMISSION FROM THE VILLAGE ENGINEER.
13. ANY TEMPORARY OR PERMANENT EXTERIOR SITE FENCING, INCLUDING FENCING FOR DUMPSTER ENCLOSURES, REQUIRES A SEPARATE PERMIT FROM THE COMMUNITY DEVELOPMENT DEPARTMENT. DEMOLITION OF EXISTING BUILDINGS ALSO REQUIRES A SEPARATE PERMIT FROM THE COMMUNITY DEVELOPMENT DEPARTMENT.
14. ALL BITUMINOUS CONCRETE USED FOR SURFACE, BINDER AND BASE COURSES IS TO HAVE A MARSHALL STABILITY OF 1700. ALL PORTLAND CEMENT CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3500 PSI AT 14 DAYS.
15. PRIOR TO PLACING ANY PAVEMENT MATERIAL, THE CONTRACTOR IS RESPONSIBLE FOR PROPERLY PREPARING AND COMPACTING THE SUBGRADE. THE REQUIRED PROOF ROLL MUST BE WITNESSED BY THE VILLAGE. NO PAVEMENT MATERIAL IS TO BE PLACED ON A WET OR SOFT SUBGRADE. IF THIS CONDITION EXISTS, THE CONTRACTOR IS TO STOP WORK AND IMMEDIATELY NOTIFY THE VILLAGE. NO ADDITIONAL PAVEMENT WORK SHALL BE DONE UNTIL THE PROBLEM IS CORRECTED.
16. ALL CURBS CONSTRUCTED OVER A UTILITY TRENCH SHALL BE REINFORCED WITH TWO #5 REBARS FOR A LENGTH OF 20 FEET CENTERED OVER THE TRENCH. SIDEWALKS SHALL BE TREATED IN THE SAME MANNER USING THREE #5 REBARS.
17. ALL SEWER AND WATER MAIN CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" LATEST EDITION.
18. THE CONTRACTOR SHALL NOT INSTALL ANY SANITARY SEWER PIPE OR STRUCTURES UNTIL HE HAS A COPY OF THE PERMIT AND PERMIT DRAWINGS ISSUED BY THE METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO (MWRD) ON THE JOB SITE. THIS MAY ALSO APPLY TO STORM SEWER AND/OR DETENTION FACILITIES IF INCLUDED IN THE MWRD PERMIT.
19. ALL MANHOLES AND VALVE VAULTS SHALL HAVE THE "VILLAGE OF SCHAUMBURG" AND "WATER," "STORM SEWER," OR "SANITARY SEWER" CAST INTO THE LID. ALL OPEN LIDS OR GRATES SHALL HAVE THE WORDS "DRAINS TO RIVER, DUMP NO WASTE" PERMANENTLY INSCRIBED.
20. BAND-SEAL CONNECTORS SHALL BE USED TO JOIN PIPES OF DIFFERENT MATERIALS.
21. USE CA-6 TRENCH BACKFILL, COMPACTED TO 95% OF MODIFIED PROCTOR, UNDER AND WITHIN A 1:1 SLOPE FROM THE BOTTOM OF ALL PAVEMENT, CURBS AND SIDEWALK.
22. A WATER QUALITY DEVICE, STORMCEPTOR, CDS, OR EQUIVALENT, SHALL BE INSTALLED AS REQUIRED BY THE SUBDIVISION AND LAND DEVELOPMENT ORDINANCE AND AS SHOWN ON THE APPROVED PLANS.
23. ALL WATER MAIN PIPE 4" AND LARGER SHALL BE DUCTILE IRON PIPE CLASS 52 CONFORMING TO ANSI A21.51 WITH CEMENT LINING UNLESS OTHERWISE APPROVED BY THE VILLAGE ENGINEER. ALL WATER SERVICE LINES 3" AND SMALLER SHALL BE TYPE K COPPER, UNLESS OTHERWISE NOTED.
24. ALL WATER LINES ARE TO BE PRESSURE TESTED AND CHLORINATED PER THE REQUIREMENTS OF THE VILLAGE OF SCHAUMBURG. ALSO, THE MINIMUM COVER FOR ALL WATER MAINS AND SERVICE LINES IS 5.5 FEET.
25. FIRE SERVICE MAINS AND LEAD IN CONNECTIONS TO SYSTEM RISERS ARE REQUIRED TO BE COMPLETELY FLUSHED BEFORE MAKING THE CONNECTION TO THE SPRINKLER PIPING. (NFPA 13, 1999 ED, 10-2.1.) THE FIRE PREVENTION BUREAU SHALL BE NOTIFIED 24 HOURS IN ADVANCE TO WITNESS THE FLUSH AT 847.985.4452. A SEPARATE INSPECTION FEE IS ALSO REQUIRED AT THE TIME THE LAND DEVELOPMENT PERMIT IS ISSUED.
26. UPON COMPLETION OF THE PROJECT, THE DEVELOPER SHALL PROVIDE FINAL "RECORD DRAWINGS" (1 MYLAR SET/PA REPRODUCIBLE, SIGNED AND SEALED BY THE ENGINEER) OF ALL UTILITIES WHICH INCLUDE THE LOCATIONS AND ELEVATIONS OF ALL MAINS, SERVICE LINES, STRUCTURES, PAVED AREAS, SITE GRADING, STREET LIGHTS AND CABLES, AND CURBS. MONUMENTS, AS SPECIFIED IN ITEM #27, SHALL ALSO BE SHOWN. FINAL RECORD DRAWINGS MUST ALSO INCLUDE A STATE PLANE COORDINATE SYSTEM TIE IN. IN ADDITION TO THE DRAWINGS, AN ELECTRONIC FILE (IN DWG OR DGN FORMAT) OF THE RECORD DRAWINGS MUST BE SUBMITTED ON CD-ROM.
27. ALL PLATS THREE ACRES OR LARGER REQUIRE CONCRETE MONUMENTS COMPLETE WITH THE VILLAGE OF SCHAUMBURG CAP AND SHALL BE PLACED AT LOCATIONS TO BE DETERMINED BY THE VILLAGE ENGINEER. MONUMENTS SHALL BE IN ACCORDANCE WITH THE SUBDIVISION AND LAND DEVELOPMENT ORDINANCE AND SHALL BE SHOWN ON THE RECORD DRAWINGS.

1. ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL, LATEST EDITION.
2. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE START OF ANY CONSTRUCTION OR DISTURBANCE OF THE SITE. THE MEASURES MAY HAVE TO BE ADJUSTED TO MEET FIELD CONDITIONS DURING CONSTRUCTION. ANY MEASURES, IN ADDITION TO THOSE OUTLINED IN THE PLANS AND WHICH ARE DEEMED NECESSARY BY THE VILLAGE, SHALL BE IMPLEMENTED IMMEDIATELY BY THE DEVELOPER.
3. REGULAR INSPECTION AND MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROL MEASURES MUST BE PROVIDED BY THE DEVELOPER. INSPECTIONS SHOULD OCCUR WEEKLY, AND AFTER ANY RAINFALL GREATER THAN 1/2". ANY NON-FUNCTIONING SEDIMENT CONTROL MEASURES OR DAMAGED DEVICES THAT ARE FOUND DURING INSPECTION SHALL BE REPAIRED OR REPLACED IMMEDIATELY. THE DEVELOPER SHALL BE RESPONSIBLE FOR ANY SEDIMENT WHICH LEAVES THE PROPERTY, AND THE DEVELOPER IS ALSO RESPONSIBLE FOR MAINTENANCE OF ALL SEDIMENT CONTROL MEASURES UNTIL THE SITE IS PERMANENTLY STABILIZED.
4. ALL POINTS OF CONSTRUCTION INGRESS AND EGRESS SHALL BE PROTECTED TO PREVENT TRACKING OF DEBRIS, DIRT, AND MUD ONTO ADJACENT STREETS, PARKING LOTS, OR PROPERTIES. ANY DEBRIS, DIRT, OR MUD THAT REACHES AN IMPROVED PUBLIC RIGHT-OF-WAY, STREET, OR PARKING AREA SHALL BE PROMPTLY REMOVED, AND TRANSPORTED TO A PROPER DISPOSAL AREA.
5. ALL SEDIMENT MUST BE PREVENTED FROM ENTERING ANY PUBLIC OR PRIVATE STORM DRAINAGE SYSTEM. REUSABLE INLET FILTER BASKETS (FLEXSTORM, CATCHALL, OR EQUIVALENT), SEDIMENT BASINS, AND WATER FILTERING BAGS, SHALL BE PROVIDED AS NEEDED.
6. ALL DRAINAGE SWALES SHALL BE SODDED. AREAS OR EMBANKMENTS HAVING SLOPES STEEPER THAN OR EQUAL TO 3H:1V, AND APPROVED BY THE VILLAGE, SHALL BE STABILIZED WITH SOD, MATTING, OR EROSION BLANKET IN COMBINATION WITH APPROPRIATE SEEDING.
7. TOPSOIL STOCKPILES SHALL BE LOCATED TO AVOID EROSION OF STOCKPILE ONTO NEIGHBORING PROPERTIES OR INTO RESTORED PROJECT AREAS. STOCKPILES SHALL BE LOCATED SO THAT A DRAINAGE SWALE IS LOCATED BETWEEN THE STOCKPILE AND ANY DOWNSTREAM PROPERTIES. IF A STOCKPILE IS TO REMAIN IN PLACE FOR MORE THAN 14 DAYS, IT MUST BE SEEDED AND BLANKETED TO MINIMIZE SOIL EROSION BY BOTH WIND AND WATER.
8. THE DEVELOPER IS RESPONSIBLE FOR OBTAINING A SEPARATE NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT FROM THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY WHENEVER 1 ACRE OR MORE OF PROPERTY IS DISTURBED. FOR DEVELOPMENTS OVER 1 ACRE, THE DEVELOPER MUST ALSO PREPARE AND MAINTAIN A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AT THE PROJECT SITE, ALONG WITH THE NPDES PERMIT. FOR DEVELOPMENTS LESS THAN 1 ACRE, A SEDIMENT AND EROSION CONTROL PLAN MUST BE MAINTAINED BY THE DEVELOPER.
9. DISTURBED AREAS SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN 14 CALENDAR DAYS OF THE END OF ACTIVE HYDROLOGIC DISTURBANCE, OR REDISTURBANCE.
10. IF DEWATERING SERVICES ARE USED, ADJACENT PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION. DISCHARGES FROM CONSTRUCTION DEWATERING SHALL BE ROUTED THROUGH AN EFFECTIVE SEDIMENT CONTROL MEASURE SUCH AS A SEDIMENT TRAP, A SEDIMENT BASIN, OR ANY OTHER APPROPRIATE MEASURE.

DRAWING PATH: P:\402161\DWG\ENG\DRAWINGS\FINAL\DRAWING\GENNOTES.DWG  
DRAWING LAST SAVED: 8/13/2024 8:22 AM BY DAVIDD  
PLOT FILE CREATED: 8/27/2024 1:50 PM BY LESLIE LUNDBERG

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PREPARED FOR:  
**PULTE HOME COMPANY, LLC**  
1900 E. GOLF ROAD, SUITE 300  
SCHAUMBURG, IL 60173  
(847) 230-5400



PREPARED BY:  
**CEMCON, Ltd.**  
Consulting Engineers, Land Surveyors & Planners  
2280 White Oak Circle, Suite 100  
Aurora, Illinois 60502-9675  
Ph: 630.862.2100 Fax: 630.862.2199  
E-Mail: info@cemcon.com Website: www.cemcon.com

REVISIONS					
NO.	DATE	DESCRIPTION	NO.	DATE	DESCRIPTION

<b>VILLAGE OF SCHAUMBURG CONSTRUCTION SPECIFICATIONS-GENERAL NOTES</b>				
<b>WISE COMMONS</b>				
FILE NAME: GENNOTES	DSGN. BY: CRM	JOB NO.: 402.161	FLD. BK./PG.: N/A	SHEET NO.
DIR: 402161	DRN. BY: LAL	DATE: 08-27-24	SCALE: 1" = N/A	<b>02 of 27</b>

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**A. REFERENCED SPECIFICATIONS**

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE APPLICABLE SECTIONS OF THE FOLLOWING, EXCEPT AS MODIFIED HEREIN OR ON THE PLANS:
  - \* STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (LATEST EDITION), BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION (IDOT SS) FOR ALL IMPROVEMENTS EXCEPT SANITARY SEWER AND WATER MAIN CONSTRUCTION;
  - \* STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, LATEST EDITION (SSWS) FOR SANITARY SEWER AND WATER MAIN CONSTRUCTION;
  - \* VILLAGE OF MUNICIPAL CODE;
  - \* THE METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO (MWRD) WATERSHED MANAGEMENT ORDINANCE AND TECHNICAL GUIDANCE MANUAL;
  - \* IN CASE OF CONFLICT BETWEEN THE APPLICABLE ORDINANCES NOTED, THE MORE STRINGENT SHALL TAKE PRECEDENCE AND SHALL CONTROL ALL CONSTRUCTION.

**B. NOTIFICATIONS**

- THE MWRD LOCAL SEWER SYSTEMS SECTION FIELD OFFICE MUST BE NOTIFIED AT LEAST TWO (2) WORKING DAYS PRIOR TO THE COMMENCEMENT OF ANY WORK (CALL 708-588-4055 OR SEND EMAIL NOTIFICATION WITH PROJECT NAME, LOCATION AND PERMIT NUMBER TO [WMOJOBSTART@MWRD.ORG](mailto:WMOJOBSTART@MWRD.ORG)).
- THE VILLAGE OF SCHAUMBURG ENGINEERING DEPARTMENT AND PUBLIC MUST BE NOTIFIED AT LEAST 24 HOURS PRIOR TO THE START OF CONSTRUCTION AND PRIOR TO EACH PHASE OF WORK. CONTRACTOR SHALL DETERMINE ITEMS REQUIRING INSPECTION PRIOR TO START OF CONSTRUCTION OR EACH WORK PHASE.
- THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES PRIOR TO BEGINNING CONSTRUCTION FOR THE EXACT LOCATIONS OF UTILITIES AND FOR THEIR PROTECTION DURING CONSTRUCTION. IF EXISTING UTILITIES ARE ENCOUNTERED THAT CONFLICT IN LOCATION WITH NEW CONSTRUCTION, IMMEDIATELY NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED. CALL J.U.L.I.E. AT 1-800-892-0123.

**C. GENERAL NOTES**

- ALL ELEVATIONS SHOWN ON PLANS REFERENCE THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
- MWRD, THE MUNICIPALITY AND THE OWNER OR OWNER'S REPRESENTATIVE SHALL HAVE THE AUTHORITY TO INSPECT, APPROVE, AND REJECT THE CONSTRUCTION IMPROVEMENTS.
- THE CONTRACTOR(S) SHALL INDEMNIFY THE OWNER, ENGINEER, MUNICIPALITY, MWRD, AND THEIR AGENTS, ETC., FROM ALL LIABILITY INVOLVED WITH THE CONSTRUCTION, INSTALLATION, OR TESTING OF THIS WORK ON THE PROJECT.
- THE PROPOSED IMPROVEMENTS MUST BE CONSTRUCTED IN ACCORDANCE WITH THE ENGINEERING PLANS AS APPROVED BY MWRD AND THE MUNICIPALITY UNLESS CHANGES ARE APPROVED BY MWRD, THE MUNICIPALITY, OR AUTHORIZED AGENT. THE CONSTRUCTION DETAILS, AS PRESENTED ON THE PLANS, MUST BE FOLLOWED. PROPER CONSTRUCTION TECHNIQUES MUST BE FOLLOWED ON THE IMPROVEMENTS INDICATED ON THE PLANS.
- THE LOCATION OF VARIOUS UNDERGROUND UTILITIES WHICH ARE SHOWN ON THE PLANS ARE FOR INFORMATION ONLY AND REPRESENT THE BEST KNOWLEDGE OF THE ENGINEER. VERIFY LOCATIONS AND ELEVATIONS PRIOR TO BEGINNING THE CONSTRUCTION OPERATIONS.
- ANY EXISTING PAVEMENT, SIDEWALK, DRIVEWAY, ETC., DAMAGED DURING CONSTRUCTION OPERATIONS AND NOT CALLED FOR TO BE REMOVED SHALL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR.
- MATERIAL AND COMPACTION TESTING SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE MUNICIPALITY, MWRD, AND OWNER.
- THE UNDERGROUND CONTRACTOR SHALL MAKE ALL NECESSARY ARRANGEMENTS TO NOTIFY ALL INSPECTION AGENCIES.
- ALL NEW AND EXISTING UTILITY STRUCTURES ON SITE AND IN AREAS DISTURBED DURING CONSTRUCTION SHALL BE ADJUSTED TO FINISH GRADE PRIOR TO FINAL INSPECTION.
- RECORD DRAWINGS SHALL BE KEPT BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER AS SOON AS UNDERGROUND IMPROVEMENTS ARE COMPLETED. FINAL PAYMENTS TO THE CONTRACTOR SHALL BE HELD UNTIL THEY ARE RECEIVED. ANY CHANGES IN LENGTH, LOCATION OR ALIGNMENT SHALL BE SHOWN IN RED. ALL WYES OR BENDS SHALL BE LOCATED FROM THE DOWNSTREAM MANHOLE. ALL VALVES, B-BOXES, TEES OR BENDS SHALL BE TIED TO A FIRE HYDRANT.

**D. SANITARY SEWER**

- THE CONTRACTOR SHALL TAKE MEASURES TO PREVENT ANY POLLUTED WATER, SUCH AS GROUND AND SURFACE WATER, FROM ENTERING THE EXISTING SANITARY SEWERS.
- A WATER-TIGHT PLUG SHALL BE INSTALLED IN THE DOWNSTREAM SEWER PIPE AT THE POINT OF SEWER CONNECTION PRIOR TO COMMENCING ANY SEWER CONSTRUCTION. THE PLUG SHALL REMAIN IN PLACE UNTIL REMOVAL IS AUTHORIZED BY THE MUNICIPALITY AND/OR MWRD AFTER THE SEWERS HAVE BEEN TESTED AND ACCEPTED.
- DISCHARGING ANY UNPOLLUTED WATER INTO THE SANITARY SEWER SYSTEM FOR THE PURPOSE OF SEWER FLUSHING OF LINES FOR THE DEFLECTION TEST SHALL BE PROHIBITED WITHOUT PRIOR APPROVAL FROM THE MUNICIPALITY OR MWRD.
- ALL SANITARY SEWER CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS (LATEST EDITION).
- ALL FLOOR DRAINS SHALL DISCHARGE TO THE SANITARY SEWER SYSTEM.
- ALL DOWNSPOUTS AND FOOTING DRAINS SHALL DISCHARGE TO THE STORM SEWER SYSTEM.
- ALL SANITARY SEWER PIPE MATERIALS AND JOINTS (AND STORM SEWER PIPE MATERIALS AND JOINTS IN A COMBINED SEWER AREA) SHALL CONFORM TO THE FOLLOWING:

PIPE MATERIAL	PIPE SPECIFICATIONS	JOINT SPECIFICATIONS
VITRIFIED CLAY PIPE	ASTM C-700	ASTM C-425
REINFORCED CONCRETE SEWER PIPE	ASTM C-76	ASTM C-443
CAST IRON SOIL PIPE	ASTM A-74	ASTM C-564
DUCTILE IRON PIPE	ANSI A21.51	ANSI A21.11
POLYVINYL CHLORIDE (PVC) PIPE		
6-INCH TO 15-INCH DIAMETER SDR 26	ASTM D-3034	ASTM D-3212
18-INCH TO 27-INCH DIAMETER F/DY=46	ASTM F-679	ASTM D-3212
HIGH DENSITY POLYETHYLENE (HDPE)		
WATER MAIN QUALITY PVC	ASTM D-3350	ASTM D-3261,F-2620 (HEAT FUSION)
4-INCH TO 36-INCH	ASTM D-3035	ASTM D-3212,F-477 (GASKETED)
4-INCH TO 12-INCH	ASTM D-2241	ASTM D-3139
14-INCH TO 48-INCH	AWWA C900	ASTM D-3139
AWWA C905		ASTM D-3139

THE FOLLOWING MATERIALS ARE ALLOWED ON A QUALIFIED BASIS SUBJECT TO DISTRICT REVIEW AND APPROVAL PRIOR TO PERMIT ISSUANCE. A SPECIAL CONDITION WILL BE ADDED TO THE PERMIT WHEN THE PIPE MATERIAL BELOW IS USED FOR SEWER CONSTRUCTION OR A CONNECTION IS MADE.

PIPE MATERIAL	PIPE SPECIFICATIONS	JOINT SPECIFICATIONS
POLYPROPYLENE (PP) PIPE		
12-INCH TO 24-INCH DOUBLE WALL	ASTM F-2736	D-3212, F-477
30-INCH TO 60-INCH TRIPLE WALL	ASTM F-2764	D3212, F-477

- ALL SANITARY SEWER CONSTRUCTION (AND STORM SEWER CONSTRUCTION IN COMBINED SEWER AREAS), REQUIRES STONE BEDDING WITH STONE 1/4" TO 1" IN SIZE, WITH MINIMUM BEDDING THICKNESS EQUAL TO 1/4 THE OUTSIDE DIAMETER OF THE SEWER PIPE, BUT NOT LESS THAN FOUR (4) INCHES NOR MORE THAN EIGHT (8) INCHES. MATERIAL SHALL BE CA-7, CA-11 OR CA-13 AND SHALL BE EXTENDED AT LEAST 12" ABOVE THE TOP OF THE PIPE WHEN USING PVC.
- NON-SHEAR FLEXIBLE-TYPE COUPLINGS SHALL BE USED IN THE CONNECTION OF SEWER PIPES OF DISSIMILAR PIPE MATERIALS.
- ALL MANHOLES SHALL BE PROVIDED WITH BOLTED, WATERTIGHT COVERS. SANITARY LIDS SHALL BE CONSTRUCTED WITH A CONCEALED PICKHOLE AND WATERTIGHT GASKET WITH THE WORD "SANITARY" CAST INTO THE LID.
- 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 CIRCULAR SAW-CUT OF SEWER MAIN BY PROPER TOOLS ("SHEWER-TAP" MACHINE OR SIMILAR) AND PROPER INSTALLATION OF HUBWYE SADDLE OR HUB-TEE SADDLE.
  - REMOVE AN ENTIRE SECTION OF PIPE (BREAKING ONLY THE TOP OF ONE BELL) AND REPLACE WITH A WYE OR TEE BRANCH SECTION.
  - WITH PIPE CUTTER, NEATLY AND ACCURATELY CUT OUT DESIRED LENGTH OF PIPE FOR INSERTION OF PROPER FITTING, USING "BAND SEAL" OR SIMILAR COUPLINGS TO HOLD IT FIRMLY IN PLACE.
- WHENEVER A SANITARY/COMBINED SEWER CROSSES UNDER A WATERMAIN, THE MINIMUM VERTICAL DISTANCE FROM THE TOP OF THE SEWER TO THE BOTTOM OF THE WATERMAIN SHALL BE 18 INCHES. FURTHERMORE, A MINIMUM HORIZONTAL DISTANCE OF 10 FEET BETWEEN SANITARY/COMBINED SEWERS AND WATERMAINS SHALL BE MAINTAINED UNLESS: THE SEWER IS LAID IN A SEPARATE TRENCH, KEEPING A MINIMUM 18" VERTICAL SEPARATION; OR THE SEWER IS LAID IN THE SAME TRENCH WITH THE WATERMAIN LOCATED AT THE OPPOSITE SIDE ON A BENCH OF UNDISTURBED EARTH, KEEPING A MINIMUM 18" VERTICAL SEPARATION. IF EITHER THE VERTICAL OR HORIZONTAL DISTANCES DESCRIBED CANNOT BE MAINTAINED, OR THE SEWER CROSSES ABOVE THE WATER MAIN, THE SEWER SHALL BE CONSTRUCTED TO WATER MAIN STANDARDS OR IT SHALL BE ENCASED WITH A WATER MAIN QUALITY CARRIER PIPE WITH THE ENDS SEALED.
- ALL EXISTING SEPTIC SYSTEMS SHALL BE ABANDONED. ABANDONED TANKS SHALL BE FILLED WITH GRANULAR MATERIAL OR REMOVED.
- ALL SANITARY MANHOLES, (AND STORM MANHOLES IN COMBINED SEWER AREAS), SHALL HAVE A MINIMUM INSIDE DIAMETER OF 48 INCHES, AND SHALL BE CAST IN PLACE OR PRE-CAST REINFORCED CONCRETE.
- ALL SANITARY MANHOLES, (AND STORM MANHOLES IN COMBINED SEWER AREAS), SHALL HAVE PRECAST "RUBBER BOOTS" THAT CONFORM TO ASTM C-923 FOR ALL PIPE CONNECTIONS. PRECAST SECTIONS SHALL CONSIST OF MODIFIED GROOVE TONGUE AND RUBBER GASKET TYPE JOINTS.
- ALL ABANDONED SANITARY SEWERS SHALL BE PLUGGED AT BOTH ENDS WITH AT LEAST 2 FEET LONG NON-SHRINK CONCRETE OR MORTAR PLUG.
- EXCEPT FOR FOUNDATION/FOOTING DRAINS PROVIDED TO PROTECT BUILDINGS, OR PERFORATED PIPES ASSOCIATED WITH VOLUME CONTROL FACILITIES, DRAIN TILES/FIELD TILES/UNDERDRAINS/PERFORATED PIPES ARE NOT ALLOWED TO BE CONNECTED TO OR TRIBUTARY TO COMBINED SEWERS, SANITARY SEWERS, OR STORM SEWERS TRIBUTARY TO COMBINED SEWERS IN COMBINED SEWER AREAS. CONSTRUCTION OF NEW FACILITIES OF THIS TYPE IS PROHIBITED; AND ALL EXISTING DRAIN TILES AND PERFORATED PIPES ENCOUNTERED WITHIN THE PROJECT AREA SHALL BE PLUGGED OR REMOVED, AND SHALL NOT BE CONNECTED TO COMBINED SEWERS, SANITARY SEWERS, OR STORM SEWERS TRIBUTARY TO COMBINED SEWERS.
- A BACKFLOW PREVENTER IS REQUIRED FOR ALL DETENTION BASINS TRIBUTARY TO COMBINED SEWERS. REQUIRED BACKFLOW PREVENTERS SHALL BE INSPECTED AND EXERCISED ANNUALLY BY THE PROPERTY OWNER TO ENSURE PROPER OPERATION, AND ANY NECESSARY MAINTENANCES SHALL BE PERFORMED TO ENSURE FUNCTIONALITY. IN THE EVENT OF A SEWER SURCHARGE INTO AN OPEN DETENTION BASIN TRIBUTARY TO COMBINED SEWERS, THE PERMITTEE SHALL ENSURE THAT CLEAN UP AND WASH OUT OF SEWAGE TAKES PLACE WITHIN 48 HOURS OF THE STORM EVENT.

**E. EROSION AND SEDIMENT CONTROL**

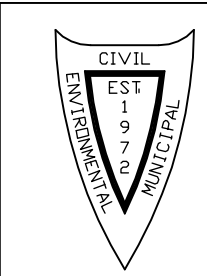
- THE CONTRACTOR SHALL INSTALL THE EROSION AND SEDIMENT CONTROL DEVICES AS SHOWN ON THE APPROVED EROSION AND SEDIMENT CONTROL PLAN.
- EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE FUNCTIONAL PRIOR TO HYDROLOGIC DISTURBANCE OF THE SITE.
- ALL DESIGN CRITERIA, SPECIFICATIONS, AND INSTALLATION OF EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL.
- A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.
- INSPECTIONS AND DOCUMENTATION SHALL BE PERFORMED, AT A MINIMUM:
  - UPON COMPLETION OF INITIAL EROSION AND SEDIMENT CONTROL MEASURES, PRIOR TO ANY SOIL DISTURBANCE.
  - ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM EVENT WITH GREATER THAN 0.5 INCH OF RAINFALL OR LIQUID EQUIVALENT PRECIPITATION.
- SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. IF STRIPPING, CLEARING, GRADING, OR LANDSCAPING ARE TO BE DONE IN PHASES, THE CO-PERMITTEE SHALL PLAN FOR APPROPRIATE SOIL EROSION AND SEDIMENT CONTROL MEASURES.
- A STABILIZED MAT OF CRUSHED STONE MEETING THE STANDARDS OF THE ILLINOIS URBAN MANUAL SHALL BE INSTALLED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE. SEDIMENT OR SOIL REACHING AN IMPROVED PUBLIC RIGHT-OF-WAY, STREET, ALLEY OR PARKING AREA SHALL BE REMOVED BY SCRAPPING OR STREET CLEANING AS ACCUMULATIONS WARRANT AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA.
- CONCRETE WASHOUT FACILITIES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL AND SHALL BE INSTALLED PRIOR TO ANY ON SITE CONSTRUCTION ACTIVITIES INVOLVING CONCRETE.
- MORTAR WASHOUT FACILITIES SHALL BE CONSTRUCTED IN ADDITION TO CONCRETE WASHOUT FACILITIES FOR ANY BRICK AND MORTAR BUILDING ENVELOPE CONSTRUCTION ACTIVITIES.
- TEMPORARY DIVERSIONS SHALL BE CONSTRUCTED AS NECESSARY TO DIRECT ALL RUNOFF FROM HYDROLOGICALLY DISTURBED AREAS TO AN APPROPRIATE SEDIMENT TRAP OR BASIN. VOLUME CONTROL FACILITIES SHALL NOT BE USED AS TEMPORARY SEDIMENT BASINS.
- DISTURBED AREAS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN SEVEN (7) DAYS.
- ALL FLOOD PROTECTION AREAS AND VOLUME CONTROL FACILITIES SHALL, AT A MINIMUM, BE PROTECTED WITH A DOUBLE-ROW OF SILT FENCE (OR EQUIVALENT).
- VOLUME CONTROL FACILITIES SHALL NOT BE CONSTRUCTED UNTIL ALL OF THE CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED.
- SOIL STOCKPILES SHALL, AT A MINIMUM, BE PROTECTED WITH PERIMETER SEDIMENT CONTROLS. SOIL STOCKPILES SHALL NOT BE PLACED IN FLOOD PROTECTION AREAS OR THEIR BUFFERS.
- EARTHEN EMBANKMENT SIDE SLOPES SHALL BE STABILIZED WITH APPROPRIATE EROSION CONTROL BLANKET.
- STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED BY APPROPRIATE SEDIMENT CONTROL MEASURES.
- THE CONTRACTOR SHALL EITHER REMOVE OR REPLACE ANY EXISTING DRAIN TILES AND INCORPORATE THEM INTO THE DRAINAGE PLAN FOR THE DEVELOPMENT. DRAIN TILES CANNOT BE TRIBUTARY TO A SANITARY OR COMBINED SEWER. DRAIN TILES ALLOWED IN COMBINED SEWER AREA FOR GREEN INFRASTRUCTURE PRACTICES.
- IF DEWATERING SERVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION. DEWATERING SYSTEMS SHOULD BE INSPECTED DAILY DURING OPERATIONAL PERIODS. THE SITE INSPECTOR MUST BE PRESENT AT THE COMMENCEMENT OF DEWATERING ACTIVITIES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR TRENCH DEWATERING AND EXCAVATION FOR THE INSTALLATION OF SANITARY SEWERS, STORM SEWERS, WATERMAINS AS WELL AS THEIR SERVICES AND OTHER APPURTENANCES. ANY TRENCH DEWATERING, WHICH CONTAINS SEDIMENT SHALL PASS THROUGH A SEDIMENT SETTLING POND OR EQUALLY EFFECTIVE SEDIMENT CONTROL DEVICE. ALTERNATIVES MAY INCLUDE DEWATERING INTO A SUMP PIT, FILTER BAG OR EXISTING VEGETATED UPSLOPE AREA. SEDIMENT LADEN WATERS SHALL NOT BE DISCHARGE TO WATERWAYS, FLOOD PROTECTION AREAS OR THE COMBINED SEWER SYSTEM.
- ALL PERMANENT EROSION CONTROL PRACTICES SHALL BE INITIATED WITHIN SEVEN (7) DAYS FOLLOWING THE COMPLETION OF SOIL DISTURBING ACTIVITIES.
- ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED AND REPAIRED AS NEEDED ON A YEAR-ROUND BASIS DURING CONSTRUCTION AND ANY PERIODS OF CONSTRUCTION SHUTDOWN UNTIL PERMANENT STABILIZATION IS ACHIEVED.
- ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN THIRTY (30) DAYS AFTER PERMANENT SITE STABILIZATION.
- THE EROSION AND SEDIMENT CONTROL MEASURES SHOWN ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER, SITE INSPECTOR, OR MWRD.

TECHNICAL GUIDANCE MANUAL  
MWRD GENERAL NOTES

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PREPARED FOR:  
**PULTE HOME COMPANY, LLC**  
1900 E. GOLF ROAD, SUITE 300  
SCHAUMBURG, IL 60173  
(847) 230-5400



PREPARED BY:  
**CEMCON, Ltd.**  
Consulting Engineers, Land Surveyors & Planners  
2280 White Oak Circle, Suite 100  
Aurora, Illinois 60502-9675  
Ph: 630.862.2100 Fax: 630.862.2199  
E-Mail: [info@cemcon.com](mailto:info@cemcon.com) Website: [www.cemcon.com](http://www.cemcon.com)

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MWRD CONSTRUCTION SPECIFICATIONS – GENERAL NOTES				
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CONSTRUCTION SPECIFICATIONS – GENERAL NOTES

OTHER GENERAL NOTES

- 1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING SAFE AND HEALTHFUL WORKING CONDITIONS THROUGHOUT THE CONSTRUCTION OF THE PROPOSED IMPROVEMENTS.
2. IF THE ENGINEER IS RETAINED FOR CONSTRUCTION STAKING SERVICES, THE ENGINEER WILL BE AVAILABLE FOR A MINIMUM OF TWO (2) HOURS NOTICE FOR ANY STAKING THAT IS TO BE DONE. IF ENGINEER IS CONTRACTED BY OWNER OR CONTRACTOR FOR CONSTRUCTION STAKING SERVICES, EACH OF THE VARIOUS ITEMS OF WORK COVERED BY THIS CONTRACT WILL BE STAKED ONCE. ADDITIONAL STAKING REQUIRED DUE TO CONTRACTOR NEGLIGENCE SHALL BE PAID FOR BY THE CONTRACTOR AT THE CURRENT HOURLY RATE.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING EACH OF THE UTILITY COMPANIES BEFORE ANY WORK IS STARTED. ALL UTILITIES MUST BE STAKED PRIOR TO CONSTRUCTION.
4. AFTER CONSTRUCTION STAKING IS PERFORMED, BUT PRIOR TO COMMENCEMENT OF WORK, THE CONTRACTOR SHALL CALL THE ATTENTION OF THE OWNER'S REPRESENTATIVE TO ANY ERRORS OR DISCREPANCIES WHICH MAY BE SUSPECTED IN LINES AND GRADES WHICH ARE ESTABLISHED BY THE OWNER, AND SHALL NOT PROCEED WITH THE WORK UNTIL ANY LINES AND GRADES WHICH ARE BELIEVED TO BE IN ERROR HAVE BEEN VERIFIED OR CORRECTED BY THE OWNER'S REPRESENTATIVE.
5. THE UNDERGROUND CONTRACTOR SHALL BE RESPONSIBLE TO PLACE ON GRADE AND COORDINATE WITH OTHER CONTRACTORS ALL UNDERGROUND STRUCTURE FRAMES SUCH AS CATCH BASINS, INLETS, MANHOLES, HYDRANTS, BUFFALO BOXES, VALVES, ETC. NO ADDITIONAL COMPENSATION WILL BE PAID AND SAID ADJUSTMENTS SHALL BE CONSIDERED INCIDENTAL TO OTHER ITEMS OF CONSTRUCTION.
6. CONTRACTORS SHALL KEEP PUBLIC STREET PAVEMENTS CLEAN OF DIRT AND DEBRIS AND, WHEN NECESSARY, CLEAN PAVEMENTS ON A DAILY BASIS.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING EXISTING CONDITIONS (INCLUDING UTILITY LOCATIONS) PRIOR TO THE INSTALLATION OR FABRICATION OF ANY MATERIALS. REPORT ANY DISCREPANCIES IMMEDIATELY TO THE ENGINEER.
8. THE OWNER OR HIS/HER/THEIR REPRESENTATIVE IS RESPONSIBLE TO OBTAIN ANY AND ALL PERMITS REQUIRED BY APPLICABLE GOVERNMENTAL AGENCIES.
9. ALL CONTRACTORS DOING WORK IN THE PUBLIC RIGHT-OF-WAY MUST BE LICENSED (WHEN APPLICABLE) TO MAKE PUBLIC IMPROVEMENTS WITHIN THE CORPORATE LIMITS OF SCHAUMBURG.
10. THE CONTRACTOR/DEVELOPER ASSUMES ALL RESPONSIBILITY AND LIABILITY FOR ANY ACTION RESULTING FROM THEIR WORK WITHIN THE PUBLIC RIGHT-OF-WAY.
11. PRIOR TO COMMENCEMENT OF ANY OFF-SITE CONSTRUCTION, THE CONTRACTOR SHALL SECURE WRITTEN AUTHORIZATION THAT ALL OFF-SITE EASEMENTS HAVE BEEN SECURED AND THAT PERMISSION HAS BEEN GRANTED TO ENTER ONTO PRIVATE PROPERTY.
12. THE CONTRACTOR AND THEIR ON-SITE REPRESENTATIVES WILL BE REQUIRED TO ATTEND A PRE-CONSTRUCTION MEETING WITH THE VILLAGE OF SCHAUMBURG.
13. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ADEQUATELY IDENTIFY AND LOCATE ALL EXISTING UTILITIES PRIOR TO EXCAVATION. BEFORE STARTING CONSTRUCTION, THE CONTRACTOR SHALL CONTACT JULIE FOR THE LOCATION OF ANY AND ALL UTILITIES. THE TOLL-FREE NUMBER IS 800-892-0123. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ANY PRIVATE FACILITIES OR NON-JULIE MEMBER FACILITIES.
14. ANY EXISTING UTILITY STRUCTURES REQUIRING ADJUSTMENT OR RECONSTRUCTION SHALL BE COMPLETED BY THE CONTRACTOR TO THE SATISFACTION OF THE UTILITY OWNER. ADJUSTMENTS AND/OR RECONSTRUCTION NOT CALLED FOR ON THE PLANS SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT. ALL STRUCTURE FRAMES SHALL BE FLUSH WITH FINAL GRADE.
15. ALL EXISTING UTILITIES OR IMPROVEMENTS, INCLUDING WALKS, CURBS, PARKING SPACES, DRIVEWAYS, PARKWAYS, DAMAGED DURING CONSTRUCTION SHALL BE PROMPTLY RESTORED TO THEIR RESPECTIVE ORIGINAL CONDITION.
16. THE CONTRACTOR SHALL BEWARE OF POTENTIAL CONFLICTS WITH EXISTING UTILITIES AS INDICATED ON THE PLANS. THE CONTRACTOR SHALL EXCAVATE AROUND UTILITIES TO DETERMINE ELEVATIONS BEFORE BEGINNING CONSTRUCTION.
17. CONNECTIONS TO EXISTING SYSTEMS SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
18. THE COST OF PIPE BEDDING WILL NOT BE PAID FOR SEPARATELY BUT INCLUDED IN THE CONTRACT UNIT PRICES OF THE VARIOUS SEWER ITEMS.

USE OF THE ELECTRONIC MEDIA VERSION OF FINAL SITE DEVELOPMENT PLANS AND SPECIFICATIONS

THESE FINAL SITE DEVELOPMENT PLANS AND SPECIFICATIONS ARE COPYRIGHTED INSTRUMENTS OF SERVICE WITH RESPECT TO THIS PARTICULAR PROJECT AND TO WHICH INSTRUMENTS OF SERVICE CEMCON, LTD. RETAINS A PROPRIETARY INTEREST SUBJECT ONLY TO CERTAIN RIGHTS GRANTED UNDER CONTRACT BY CEMCON, LTD. FOR THE PARTICULAR PROJECT AND PARTICULAR INSTRUMENT IDENTIFIED ON THE COVER SHEET. ONLY THE PRINTED OR HARD COPIES OF SAID INSTRUMENTS OF SERVICE BEARING THE ORIGINAL SIGNATURE AND IMPRESSED SEAL OF THE PROFESSIONAL ENGINEER IN THE EMPLOY OF CEMCON, LTD. MAY BE REPRODUCED. THE ELECTRONIC MEDIA VERSION OF THESE INSTRUMENTS OF SERVICE ACQUIRED BY THIRD PARTIES WITH NO CONTRACTUAL RELATIONSHIP TO CEMCON, LTD. ARE FOR CONVENIENCE ONLY AND ANY CONCLUSION OR INFORMATION DERIVED FROM SUCH ELECTRONIC FILES IS AND SHALL BE AT USER'S SOLE RISK. BECAUSE DATA STORED IN ELECTRONIC MEDIA FORMAT CAN DETERIORATE, BE SUBSEQUENTLY MODIFIED INADVERTENTLY OR OTHERWISE WITHOUT THE AUTHORIZATION OR KNOWLEDGE OF CEMCON, LTD., ANY ENTITY RECEIVING OR UTILIZING SAID ELECTRONIC FILES SHALL CAREFULLY COMPARE AND VERIFY THAT THE TEXT, DATA, GRAPHICS OR DESIGN INFORMATION IMPARTED ON SAID ELECTRONIC MEDIA FILES ARE CONSISTENT WITH THE PRINTED OR HARD COPIES OF SAID INSTRUMENTS OF SERVICE AND ADVISEDLY THE LATEST MOST UP-TO-DATE AND OPERATIVE VERSION OF SAID INSTRUMENTS OF SERVICE. IN PARTICULAR, THE ACQUISITION OF DATA POINTS IN EITHER THE HORIZONTAL AND / OR VERTICAL PLANES MUST BE COMPARED AND CORROBORATED WITH THAT LATEST OPERATIVE PRINTED OR HARD COPY OF SAID INSTRUMENTS OF SERVICE, OR ERRORS AND MISINFORMATION MAY BE INTRODUCED. WHEN TRANSFERRING THE ELECTRONIC MEDIA VERSION OF SAID INSTRUMENTS OF SERVICE EITHER BY CEMCON, LTD. OR THIRD PARTIES, CEMCON, LTD. MAKES NO REPRESENTATION AS TO THE LONG TERM COMPATIBILITY, USABILITY, OR READABILITY OF SAID INSTRUMENTS OF SERVICE RESULTING FROM THE USE OF SOFTWARE APPLICATION PACKAGES, OPERATING SYSTEMS OR COMPUTER HARDWARE DIFFERING FROM THOSE USED BY CEMCON, LTD.

WATER/WASTEWATER GENERAL NOTES

- 1. THE CONTRACTOR SHALL ROTATE AND/OR ADJUST ANY EXISTING AND/OR NEW HYDRANT TO THE SATISFACTION OF THE DEPARTMENT OF PUBLIC UTILITIES.
2. ALL VALVE BOXES, VAULTS, HYDRANTS, AND MANHOLES SHALL NOT BE COVERED WITH CONSTRUCTION DEBRIS AND SHALL REMAIN ACCESSIBLE TO THE RESPECTIVE UTILITY COMPANY.
3. PLUMBING CONTRACTOR TO MAKE ALL CONNECTIONS WITH BUILDING SERVICES CONSTRUCTED BY UTILITY CONTRACTOR. SITE UTILITY CONTRACTOR TO CONSTRUCT SERVICES TO 5- FEET BEYOND RIGHT OF WAY LINE UNLESS OTHERWISE SHOWN ON THE PLANS.

PROTECTION OF WATERMAIN AND WATER SERVICE

WATER MAINS AND WATER SERVICE LINES SHALL BE PROTECTED FROM SANITARY SEWERS, STORM SEWERS, COMBINED SEWERS, HOUSE SEWER SERVICE CONNECTIONS AND DRAINS AS FOLLOWS:

- 1.) HORIZONTAL AND VERTICAL SEPARATION
A) WHENEVER POSSIBLE, A SEWER MUST BE AT LEAST TEN FEET HORIZONTALLY FROM ANY EXISTING OR PROPOSED WATER MAIN.
B) SHOULD LOCAL CONDITIONS EXIST WHICH WOULD PREVENT A LATERAL SEPARATION OF TEN FEET, A SEWER MAY BE CLOSER THAN TEN FEET TO A WATER MAIN PROVIDED THAT THE WATER MAIN INVERT IS AT LEAST EIGHTEEN INCHES ABOVE THE CROWN OF THE SEWER, AND IS EITHER IN A SEPARATE TRENCH OR IN THE SAME TRENCH ON AN UNDISTURBED EARTH SHELF LOCATED TO ONE SIDE OF THE SEWER.
C) IF IT IS IMPOSSIBLE TO OBTAIN PROPER HORIZONTAL AND VERTICAL SEPARATION AS DESCRIBED ABOVE, BOTH THE WATER MAIN AND SEWER MUST BE CONSTRUCTED WITH WATER MAIN QUALITY PIPE AND JOINTS THAT COMPLY WITH 35 ILL. ADM. CODE 653.119 AND SHALL BE PRESSURE TESTED IN ACCORDANCE WITH "AWWA STANDARD FOR INSTALLATION OF DUCTILE-IRON WATER MAINS AND THEIR APPURTENANCES," ANSI/AWWA C600-93 (1994)(NO LATER EDITIONS OR AMENDMENTS) FOR A WORKING PRESSURE EQUAL TO OR GREATER THAN THE MAXIMUM POSSIBLE SURCHARGE HEAD TO ASSURE WATER TIGHTNESS BEFORE BACKFILLING.
2.) WATER-SEWER LINE CROSSINGS
A) WHENEVER POSSIBLE, SEWERS CROSSING WATER MAINS SHALL BE LAID WITH THE SEWER BELOW THE WATER MAIN WITH THE CROWN OF THE SEWER A MINIMUM OF 18 INCHES BELOW THE INVERT OF THE WATER MAIN. THE VERTICAL SEPARATION SHALL BE MAINTAINED ON EACH SIDE OF THE CROSSING UNTIL THE PERPENDICULAR DISTANCE FROM THE WATER MAIN TO THE SEWER IS AT LEAST 10 FEET. THE CROSSING SHALL BE ARRANGED SO THAT THE SEWER JOINTS WILL BE EQUIDISTANT AND AS FAR AS POSSIBLE FROM THE WATER MAIN JOINTS. ADEQUATE SUPPORT SHALL BE PROVIDED FOR THE WATER MAINS TO PREVENT DAMAGE DUE TO SETTLING OF THE SEWER TRENCH.
B) WHERE A SEWER CROSSES UNDER A WATER MAIN AND IT IS NOT POSSIBLE TO PROVIDE AN 18-INCH VERTICAL SEPARATION, THE FOLLOWING SPECIAL CONSTRUCTION METHODS SHALL BE SPECIFIED:
i) THE SEWER SHALL EITHER BE CONSTRUCTED WITH WATER MAIN PIPE AND JOINTS THAT COMPLY WITH 35 ILL. ADM. CODE 653.119 AND SHALL BE PRESSURE TESTED IN ACCORDANCE WITH "AWWA STANDARD FOR INSTALLATION OF DUCTILE-IRON WATER MAINS AND THEIR APPURTENANCES," ANSI/AWWA C600-93 (1994)(NO LATER EDITIONS OR AMENDMENTS) FOR A WORKING PRESSURE EQUAL TO OR GREATER THAN THE MAXIMUM POSSIBLE SURCHARGE HEAD OR SHALL BE ENCASED IN A CARRIER PIPE WITH THE ENDS SEALED, THAT, ALONG WITH THE JOINTS, COMPLIES WITH 35 ILL. ADM. CODE 653.119.
ii) THE WATER MAIN QUALITY SEWER OR CARRIER PIPE SHALL EXTEND ON EACH SIDE OF THE CROSSING TO A POINT WHERE THE PERPENDICULAR DISTANCE FROM THE WATER MAIN TO THE SEWER IS AT LEAST 10 FEET.
iii) FOR THE REQUIRED LENGTH OF THE WATER MAIN QUALITY SEWER OR CARRIER PIPE, OMIT THE SELECT GRANULAR CRADLE AND GRANULAR BACKFILL TO ONE FOOT OVER THE CROWN OF THE SEWER AND USE SELECTED EXCAVATED MATERIAL (CLASS IV) AND COMPACT TO 95% OF STANDARD PROCTOR MAXIMUM DENSITY.
iv) POINT LOADS BETWEEN THE SEWER OR SEWER CASING AND THE WATER MAIN ARE PROHIBITED.
v) ADEQUATE SUPPORT SHALL BE PROVIDED FOR THE WATER MAIN TO PREVENT DAMAGE DUE TO SETTLING OF THE SEWER TRENCH.
C) WHERE IT IS NOT POSSIBLE FOR A PROPOSED SEWER TO CROSS UNDER AN EXISTING WATER MAIN, THE SPECIFICATIONS SHALL REQUIRE THE CONSTRUCTION METHODS SET OUT IN SUBSECTION (C)(2)(B) ABOVE AND SHALL REQUIRE THAT ANY SELECT GRANULAR BACKFILL ABOVE THE CROWN OF THE WATER MAIN BE REMOVED WITHIN THE WIDTH OF THE PROPOSED SEWER TRENCH AND BE REPLACED WITH SELECT EXCAVATED MATERIAL (CLASS IV) COMPACTED TO 95% OF STANDARD PROCTOR MAXIMUM DENSITY. WHERE A PROPOSED SEWER MUST CROSS OVER A PROPOSED WATER MAIN, AN 18-INCH VERTICAL SEPARATION SHALL BE MAINTAINED.
3.) SEWER MANHOLE SEPARATION FROM WATER MAIN
NO WATER PIPE SHALL PASS THROUGH OR COME INTO CONTACT WITH ANY PART OF A SEWER MANHOLE.

STORM SEWER NOTES

- 1. JOINTS CONNECTING DISSIMILAR PIPE MATERIALS SHALL BE MADE WITH SEWER CLAMP NON-SHEAR TYPE COUPLINGS; CASCADE CSS, ROMAC LSS, FERROCO, INC. SHEAR RING, OR APPROVED EQUAL. WHEN AVAILABLE, A STANDARD JOINT WITH A TRANSITION GASKET MAY BE USED. THE NAME OF THE MANUFACTURER, CLASS, AND DATE OF ISSUE SHALL BE CLEARLY IDENTIFIED ON ALL SECTIONS OF PIPE. THE CONTRACTOR SHALL ALSO SUBMIT BILLS OF LADING, OR OTHER QUALITY ASSURANCE DOCUMENTATION WHEN REQUESTED BY THE CITY ENGINEER. ALL NUTS AND BOLTS FOR COUPLINGS SHALL BE STAINLESS STEEL.
2. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE VILLAGE DESIGN MANUAL AND STANDARD SPECIFICATIONS (CURRENT EDITION) AND WITH THE ILLINOIS DEPARTMENT OF TRANSPORTATION'S "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" (CURRENT EDITION).

STORM SEWER NOTES CONTINUED

- 3. ALL PIPE SHALL BE LAID TRUE TO LINE AND GRADE. DIRT AND OTHER FOREIGN MATERIAL SHALL BE PREVENTED FROM ENTERING THE PIPE OR PIPE JOINT DURING HANDLING OR LAYING OPERATIONS. ALL STORM SEWER PIPE TO PIPE CONNECTIONS SHALL BE SEALED WITH BUTYL MASTIC TO ENSURE WATER TIGHTNESS. LIFT HOLES TO BE SEALED USING BUTYL MASTIC AND CONCRETE PLUGS. AT NO TIME SHALL CONNECTIONS BETWEEN THE STORM SEWER AND SANITARY SEWER BE ALLOWED.
4. FOR STRUCTURES LOCATED IN PAVED AREAS, A MINIMUM OF FOUR, 2-INCH DIAMETER HOLES SHALL BE DRILLED OR PRECAST INTO THE STRUCTURE WITHIN 1 FOOT OF THE LOWEST PIPE INVERT. THE HOLES SHALL BE DISTRIBUTED EQUIDISTANT AROUND THE PERIMETER OF THE STRUCTURE. A 1-FOOT BY 1-FOOT SECTION OF UNDERDRAIN FILTER CLOTH MATERIAL SHALL BE SUFFICIENTLY FIXED TO THE OUTSIDE OF THE MANHOLE WITH MASTIC MATERIAL TO PREVENT SLIPPAGE DURING BACKFILLING.

EROSION CONTROL AND DRAINAGE NOTES

- 1. SEE STORMWATER POLLUTION PREVENTION PLAN FOR OTHER EROSION CONTROL NOTES.

GEOMETRIC AND PAVING NOTES

- 1. THE DEVELOPER AND CONTRACTOR SHALL HAVE THE RESPONSIBILITY TO ADEQUATELY PROTECT THE PAVEMENT AND PROPERTY, CURB AND GUTTER AND OTHER RIGHT-OF-WAY IMPROVEMENTS, WHETHER NEWLY CONSTRUCTED OR EXISTING, FROM ANY AND ALL DAMAGE. SUFFICIENT MEANS SHALL BE EMPLOYED BY THE CONTRACTOR TO PROTECT AGAINST SUCH DAMAGE TO THE SATISFACTION OF THE VILLAGE ENGINEER.
2. ANY NEW OR EXISTING IMPROVEMENTS THAT ARE DAMAGED SHALL BE REPAIRED OR REPLACED IN A MANNER THAT IS SATISFACTORY TO THE VILLAGE ENGINEER.
3. THE CONTRACTOR AND/OR DEVELOPER SHALL SECURE ALL NECESSARY RIGHTS AND PERMISSIONS TO PERFORM ANY WORK ON PRIVATE PROPERTY NOT WITHIN THE OWNERSHIP RIGHTS OF THE DEVELOPER. THE DEVELOPER SHALL BEAR THE SOLE RESPONSIBILITY FOR DAMAGES THAT MAY OCCUR AS A RESULT OF WORK PERFORMED UNDER CONTRACTS THEY INITIATE.

GEOMETRIC AND PAVING AND EARTHWORK NOTES

- 1. WORK UNDER THIS SECTION SHALL INCLUDE BUT NOT BE LIMITED TO THE FOLLOWING:
A. CLEARING AND REMOVAL OF ALL UNDESIRABLE TREES AND OTHER VEGETATION WITHIN THE CONSTRUCTION AREA. TREE REMOVAL SHALL BE DESIGNATED BY THE OWNER AND SHALL BE KEPT TO A MINIMUM.
B. STRIPPING OF TOPSOIL 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 ONE (1) INCH DIAMETER, OR OTHER LITTER AND WASTE PRODUCTS INCLUDING EXTRANEOUS MATERIALS NOT CONDUCTIVE 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. REMOVAL OF UNSUITABLE MATERIALS AS SPECIFIED FROM ROADWAY, DRIVEWAY/PARKING, BUILDING PAD AND OTHER DESIGNATED AREAS. OWNER TO VALIDATE UNSUITABLE AREAS BY ON-SITE MEASURING.
E. CLAY CUT AND CLAY FILL WITH COMPACTION WITHIN ROADWAY, DRIVEWAY/PARKING, BUILDING PAD AND OTHER DESIGNATED AREAS.
F. EXCAVATION AND GRADING OF THE OPEN SPACE, AND/OR YARD AREAS PER PLAN INCLUDING CONSTRUCTION OF BERMS, ETC.
G. PLACEMENT AND COMPACTION OF STRUCTURAL MATERIAL TO THE DESIGN SUBGRADE ELEVATIONS AS REQUIRED BY THE STANDARDS AND DETAIL ON THE CONSTRUCTION PLANS. THE CONTRACTOR WILL NOTE THAT THE ELEVATIONS SHOWN ON THE CONSTRUCTION PLANS ARE FINISHED GRADE ELEVATIONS AND THAT PAVEMENT AND/OR TOPSOIL REPLACEMENT THICKNESS MUST BE SUBTRACTED TO DETERMINE SUBGRADE ELEVATIONS.
H. IF REQUIRED, BORROW PIT EXCAVATION OF STRUCTURAL MATERIAL AND REFILL OF PIT WITH NON-STRUCTURAL MATERIAL.
I. PLACEMENT AND COMPACTION OF NON-STRUCTURAL FILLS.
J. MOVEMENT AND COMPACTION OF SPOIL MATERIAL FROM THE CONSTRUCTION OF UNDERGROUND UTILITIES.
K. BACKFILLING OF CURBS AND/OR PAVEMENT AND SIDEWALK AFTER INSTALLATION OF SAME BY THE PAVING CONTRACTOR.
L. FINAL SHAPING AND TRIMMING TO THE LINES, GRADES, AND CROSS-SECTIONS SHOWN IN THESE PLANS; AND TOPSOIL PLACEMENT TO DESIGN FINISHED GRADE ELEVATIONS.
M. SOIL EROSION CONTROL MEASURES IN ACCORDANCE WITH THE APPLICABLE SPECIFICATIONS.

- 2. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE PLANS AND SHALL NOTIFY THE ENGINEER AT ONCE OF ANY DISCREPANCIES. THE CONTRACTOR SHALL EXAMINE THE DRAINAGE PATTERNS SHOWN ON THE PLANS AND MAKE CERTAIN THAT ALL GUTTER FLATS AND PAVEMENTS ARE PITCHED PROPERLY TO ACHIEVE THIS DRAINAGE PATTERN.

- 3. MATERIALS TESTING, IF REQUIRED BY THE MUNICIPALITY, SHALL BE PROVIDED BY THE CONTRACTOR. THIS ITEM WILL NOT BE PAID FOR SEPARATELY BUT INCLUDED IN THE VARIOUS ITEMS OF WORK.
4. 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 MATERIAL CREATED AS A RESULT THEREOF.

OTHER GEOMETRIC AND PAVING AND EARTHWORK NOTES

- 5. 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.
6. THE GRADING OPERATIONS ARE TO BE CLOSELY SUPERVISED AND INSPECTED, PARTICULARLY DURING THE REMOVAL OF UNSUITABLE MATERIAL AND THE CONSTRUCTION OF EMBANKMENTS OR BUILDING PADS, BY THE SOILS ENGINEER OR HIS REPRESENTATIVE. ALL TESTING, INSPECTION AND SUPERVISION OF SOIL QUALITY, UNSUITABLE REMOVAL AND ITS REPLACEMENT AND OTHER SOILS RELATED OPERATIONS SHALL BE ENTIRELY THE RESPONSIBILITY OF THE SOILS ENGINEER. NO UNDERCUT SHALL BE PERFORMED WITHOUT AUTHORIZATION FROM OWNER AND ASSIGNMENT OF AN EWO NUMBER.
7. THE GRADING AND CONSTRUCTION OF THE SITE IMPROVEMENTS SHALL NOT CAUSE PONDING OF STORM WATER. ALL AREAS SHALL BE GRADED TO ALLOW POSITIVE DRAINAGE.
8. THE PROPOSED GRADING ELEVATIONS SHOWN ON THE PLANS ARE FINISH GRADE. A MINIMUM OF SIX INCHES (6") OF TOPSOIL IS TO BE PLACED BEFORE FINISH GRADE ELEVATIONS ARE ACHIEVED.
9. THE SELECTED STRUCTURAL FILL MATERIAL SHALL BE PLACED IN LEVEL UNIFORM LAYERS SO THAT THE COMPACTED THICKNESS IS APPROXIMATELY SIX INCHES (6"); IF COMPACTION EQUIPMENT DEMONSTRATES THE ABILITY TO COMPACT GREATER THICKNESSES, THEN A GREATER THICKNESS MAY BE USED. EACH LAYER SHALL BE THOROUGHLY MIXED DURING SPREADING TO INSURE UNIFORMITY.
10. EMBANKMENT MATERIAL WITHIN ROADWAY, DRIVEWAY, AND OTHER STRUCTURAL CLAY FILL AREAS SHALL BE COMPACTED TO A MINIMUM OF NINETY-THREE PERCENT (93%) 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 NINETY-FIVE PERCENT (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.
11. THE SURFACE VEGETATION, TOPSOIL AND ANY OBVIOUSLY SOFT UNDERLYING SOIL SHOULD BE STRIPPED FROM ALL AREAS TO RECEIVE STRUCTURAL FILL. IF THE UNDERLYING SUBGRADE SOILS RUT DEEPER THAN ONE 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 301.03 OF THE IDOT SPECIFICATIONS).
12. COMPLETED GRADING (FINISHED FINE GRADE) FOR PROPOSED PAVEMENT SUBGRADE AREAS, BUILDING PADS, AND YARD/OPEN SPACE AREAS SHALL BE CONSTRUCTION EQUIPMENT TOLERANCE 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 301.03 OF THE IDOT SPECIFICATIONS).

TRAFFIC CONTROL AND PROTECTION NOTES

- 1. ALL DEVELOPERS AND CONTRACTORS SHALL PROVIDE SUITABLE TRAFFIC CONTROL FOR THEIR CONSTRUCTION ACTIVITIES IN ACCORDANCE WITH PART 6 OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION. TRAFFIC CONTROL MUST BE PROVIDED FOR ANY ACTIVITY THAT IMPACTS TRAFFIC FLOW. THIS INCLUDES, BUT IS NOT LIMITED TO, ROAD CLOSURES REQUIRING DETOURS; DAILY LANE CLOSURES; LONG TERM LANE CLOSURES; NARROW LANES; AND CONSTRUCTION VEHICLES ENTERING AND EXITING THE PUBLIC ROADWAY. ALL TRAFFIC CONTROL SET-UPS MAY BE INSPECTED BY THE VILLAGE OF SCHAUMBURG TO ENSURE THAT THEY ARE PROVIDING POSITIVE GUIDANCE TO MOTORISTS AND ARE NOT IN THEMSELVES PRESENTING A HAZARDOUS SITUATION. A REPRESENTATIVE OF THE DEVELOPER OR CONTRACTOR MUST PROVIDE PHONE NUMBERS AT WHICH THEY CAN BE REACHED 24 HOURS A DAY AND ON WEEKENDS SO THAT THEY CAN MAINTAIN TRAFFIC CONTROL DEVICES.
2. PEDESTRIANS MUST BE PROVIDED WITH A SAFE ALTERNATE ROUTE IF PEDESTRIAN FACILITIES ARE TO BE CLOSED AS A RESULT OF CONSTRUCTION ACTIVITIES. GUIDANCE MUST BE PROVIDED TO PEDESTRIANS SO THAT THEY MAY AVOID THE WORK ZONE. SAID PEDESTRIAN DETOUR PLAN (WITH SIGNAGE) IS TO BE REVIEWED AND ACCEPTED BY THE VILLAGE IN WRITING, PRIOR TO THE COMMENCEMENT OF THE WORK.
3. THE CONTRACTOR SHALL EMPLOY THE APPROPRIATE METHODS OF TRAFFIC CONTROL IN ACCORDANCE WITH THE PLANS, SPECIFICATIONS AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, SUCH THAT THE SAFETY OF VEHICLES, AND PEDESTRIANS IS PRESERVED AT ALL TIMES. THE ERECTION AND MAINTENANCE OF THE TRAFFIC CONTROL DEVICES SHALL BE TO THE SATISFACTION OF THE AGENCY OF JURISDICTION AND THE VILLAGE ENGINEER.
4. ANY WORK THAT IMPACTS A TRAFFIC LANE ON AN ARTERIAL ROADWAY REQUIRES AN ARROWBOARD AS PART OF THE TRAFFIC CONTROL.
5. AT THE END OF EACH DAY OF WORK, THE ROADWAY MUST BE COMPLETELY REOPENED TO TRAFFIC. ANY OPEN HOLES MUST BE PLATED OR COLD PATCHED; THE CITY WILL NOT ALLOW THE HOLES TO BE FILLED WITH GRAVEL.

OTHER TRAFFIC CONTROL AND PROTECTION NOTES

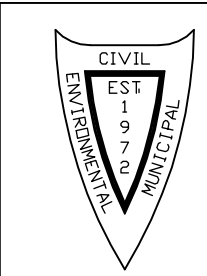
- 1. THE CONTRACTOR SHALL PREPARE AND SUBMIT TO THE ENGINEER AND VILLAGE A TRAFFIC CONTROL PLAN FOR ANY WORK THAT NECESSITATES SUCH A PLAN.
2. AT THE PRECONSTRUCTION MEETING THE CONTRACTOR SHALL FURNISH THE NAME OF THE INDIVIDUAL IN HIS DIRECT EMPLOY WHO IS TO BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF THE TRAFFIC CONTROL FOR THIS PROJECT. IF THE ACTUAL INSTALLATION AND MAINTENANCE ARE TO BE ACCOMPLISHED BY A SUBCONTRACTOR, CONSENT SHALL BE REQUESTED OF THE ENGINEER AT THE TIME OF THE PRECONSTRUCTION MEETING IN ACCORDANCE WITH ARTICLE 108.01 OF THE STANDARD SPECIFICATIONS. THIS SHALL NOT RELIEVE THE CONTRACTOR OF THE FOREGOING REQUIREMENT FOR A RESPONSIBLE INDIVIDUAL IN HIS DIRECT EMPLOY TO SUPERVISE THIS WORK. THE CONTRACTOR WILL PROVIDE THE NAME OF ITS REPRESENTATIVE WHO WILL BE RESPONSIBLE FOR THE ADMINISTRATION OF THE TRAFFIC CONTROL PLAN.
3. THIS ITEM OF WORK SHALL INCLUDE FURNISHING, INSTALLING, MAINTAINING, RELOCATING AND REMOVING ALL TRAFFIC CONTROL DEVICES USED FOR THE PURPOSE OF REGULATING, WARNING OR DIRECTING TRAFFIC DURING THE CONSTRUCTION OR MAINTENANCE OF THIS IMPROVEMENT.

- 4. THE FOLLOWING TRAFFIC CONTROL REQUIREMENTS ARE OF SPECIAL IMPORTANCE. CONFORMANCE TO THESE REQUIREMENTS, HOWEVER, SHALL NOT RELIEVE THE CONTRACTOR FROM CONFORMING TO ALL OTHER APPLICABLE REQUIREMENTS OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
5. THE GOVERNING FACTOR IN THE EXECUTION AND STAGING OF WORK FOR THIS PROJECT IS TO PROVIDE THE MOTORING PUBLIC WITH THE SAFEST POSSIBLE TRAVEL CONDITIONS ALONG THE ROADWAY THROUGH THIS CONSTRUCTION ZONE. THE CONTRACTOR SHALL SO ARRANGE HIS OPERATION AS TO KEEP THE CLOSING OF ANY LANE OF THE ROADWAY TO A MINIMUM.
6. TRAFFIC CONTROL DEVICES INCLUDE: SIGNS AND THEIR SUPPORTS, SIGNALS, PAVEMENT MARKINGS, BARRICADES WITH SAND BAGS, CHANNELIZING DEVICES, WARNING LIGHTS, ARROWBOARDS, FLAGGERS, OR ANY OTHER DEVICE USED FOR THE PURPOSE OF REGULATING, WARNING, OR GUIDING TRAFFIC THROUGH THE CONSTRUCTION ZONE.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER LOCATION, INSTALLATION, AND ARRANGEMENT OF ALL TRAFFIC CONTROL DEVICES. SPECIAL ATTENTION SHALL BE GIVEN TO ADVANCE WARNING SIGNS DURING CONSTRUCTION OPERATIONS IN ORDER TO KEEP LANE ASSIGNMENT CONSISTENT WITH BARRICADE PLACEMENT AT ALL TIMES. THE CONTRACTOR SHALL COVER ALL TRAFFIC CONTROL DEVICES WHICH ARE INCONSISTENT WITH DETOUR OR LANE ASSIGNMENT PATTERNS DURING THE TRANSITION FROM ONE CONSTRUCTION STAGE TO ANOTHER.
8. CONSTRUCTION SIGNS REFERRING TO DAYTIME LANE CLOSURE DURING WORKING HOURS SHALL BE REMOVED OR COVERED DURING NON-WORKING HOURS.
9. THE CONTRACTOR SHALL COORDINATE ALL TRAFFIC CONTROL WORK ON THIS PROJECT WITH ADJOINING OR OVERLAPPING PROJECTS, INCLUDING BARRICADE PLACEMENT NECESSARY TO PROVIDE A UNIFORM TRAFFIC DETOUR PATTERN. WHEN DIRECTED BY THE ENGINEER, THE CONTRACTOR SHALL REMOVE ALL TRAFFIC CONTROL DEVICES WHICH WERE FURNISHED, INSTALLED AND MAINTAINED BY HIM UNDER THIS CONTRACT, AND SUCH DEVICES SHALL REMAIN THE PROPERTY OF THE CONTRACTOR. ALL TRAFFIC CONTROL DEVICES SHALL REMAIN IN PLACE UNTIL SPECIFIC AUTHORIZATION FOR RELOCATION OR REMOVAL IS RECEIVED FROM THE ENGINEER.
10. THE CONTRACTOR SHALL ENSURE THAT ALL TRAFFIC CONTROL DEVICES INSTALLED BY HIM ARE OPERATIONAL 24 HOURS A DAY, INCLUDING SUNDAYS AND HOLIDAYS.
11. THE CONTRACTOR SHALL PROVIDE A MANNED TELEPHONE ON A CONTINUOUS 24-HOUR-A-DAY BASIS TO RECEIVE REPORTS OF ANY DEFICIENCIES REGARDING TRAFFIC CONTROL AND PROTECTION AND SHALL DISPATCH WORKERS, MATERIALS AND EQUIPMENT TO CORRECT ANY SUCH DEFICIENCIES.
12. WHEN TRAVELING IN LANES OPEN TO PUBLIC TRAFFIC, THE CONTRACTOR'S VEHICLES SHALL ALWAYS MOVE WITH AND NOT AGAINST OR ACROSS THE FLOW OF TRAFFIC. THESE VEHICLES SHALL ENTER OR LEAVE WORK AREAS IN A MANNER WHICH WILL NOT BE HAZARDOUS TO, OR INTERFERE WITH, TRAFFIC AND SHALL NOT PARK OR STOP EXCEPT WITHIN DESIGNATED WORK AREAS. PERSONAL VEHICLES SHALL NOT PARK WITHIN THE RIGHT-OF-WAY EXCEPT IN SPECIFIC AREAS DESIGNATED BY THE ENGINEER.
13. ANY DROP OFF GREATER THAN THREE INCHES, BUT LESS THAN SIX INCHES WITHIN EIGHT FEET OF THE PAVEMENT EDGE SHALL BE PROTECTED BY TYPE I OR II BARRICADES EQUIPPED WITH MONO-DIRECTIONAL STEADY BURN LIGHTS AT 100 FOOT CENTER TO CENTER SPACING. IF THE DROP OFF WITHIN EIGHT FEET OF THE PAVEMENT EDGE EXCEEDS SIX INCHES, THE BARRICADES MENTIONED ABOVE SHALL BE PLACED AT 50 FOOT CENTER TO CENTER SPACING. BARRICADES THAT MUST BE PLACED IN EXCAVATED AREAS SHALL HAVE LEG EXTENSIONS INSTALLED SUCH THAT THE TOP OF THE BARRICADE IS IN COMPLIANCE WITH THE HEIGHT REQUIREMENTS OF STANDARD 2299. VERTICAL PANELS OR OTHER DELINEATING DEVICES MAY BE SUBSTITUTED FOR TYPE I OR II BARRICADES WITH THE APPROVAL OF THE ENGINEER.
14. CHECK BARRICADES SHALL BE PLACED IN WORK AREAS PERPENDICULAR TO TRAFFIC AT 100 FEET, ONE (1) PER LANE AND SHOULD BE POSITIONED TO PREVENT MOTORISTS FROM USING WORK AREAS AS A TRAVEL WAY. ADDITIONAL CHECK BARRICADES SHALL BE PLACED IN ADVANCE OF ANY HAZARD IN THE WORK AREAS WHICH WOULD ENDANGER A MOTORIST. CHECK BARRICADES SHALL BE TYPE I OR II AND EQUIPPED WITH A FLASHING LIGHT.
15. PLACEMENT OF ALL SIGNS AND BARRICADES SHALL PROCEED IN THE DIRECTION OF FLOW OF TRAFFIC. REMOVAL OF ALL SIGNS AND BARRICADES SHALL START AT THE END OF THE CONSTRUCTION AREAS AND PROCEED TOWARD ONCOMING TRAFFIC UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
16. DELAYS TO THE CONTRACTOR CAUSED BY COMPLYING WITH THESE REQUIREMENTS WILL BE CONSIDERED INCIDENTAL TO THE ITEM FOR TRAFFIC CONTROL AND PROTECTION, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
17. THIS ITEM OR WORK WILL BE MEASURED ON A LUMP SUM BASIS FOR FURNISHING, INSTALLING, MAINTAINING, RELOCATING AND REMOVING THE TRAFFIC CONTROL DEVICES REQUIRED IN THE PLANS AND THESE SPECIAL PROVISIONS. PAYMENT FOR TRAFFIC CONTROL AND PROTECTION SHALL BE CONSIDERED AS INCLUDED IN THE WORK BEING DONE OR AS SPECIFIED IN THE PLANS.
18. ADJACENT ROADWAYS MUST REMAIN OPEN TO TWO-WAY TRAFFIC AT ALL TIMES UNLESS OTHERWISE AUTHORIZED BY THE CITY ENGINEER.
19. IF NECESSARY, ANY TEMPORARY LANE CLOSURES ON ADJACENT ROADWAYS MUST BE COORDINATED WITH AND APPROVED BY VILLAGE STAFF.
20. DURING THE PERIOD OF TIME WHEN THE PUBLIC SIDEWALK IS CLOSED, "SIDEWALK CLOSED" SIGNS MUST BE PLACED WITH POSITIVE DIRECTION TO PEDESTRIANS.
21. ALL CONTRACTOR AND SUB-CONTRACTOR VEHICLES MUST BE PARKED OFF OF PUBLIC STREETS UNLESS AUTHORIZED BY THE VILLAGE ENGINEER.

NOTE: ANY CONFLICTS BETWEEN CEMCON GENERAL NOTES AND THE MUNICIPALITY, THE MUNICIPALITY SPECIFICATIONS TAKE PRECEDENCE.

PLOT FILE CREATED: 8/27/2024 1:30 PM BY LESLIE LUNDBERG DRAWING LAST SAVED: 8/13/2024 8:22 AM BY DAVID DRAWING PATH: P:\202161\DMG\ENG\DRAWINGS\FINAL\DRAWINGS\GENNOTES.DWG

PREPARED FOR: PULTE HOME COMPANY, LLC
1900 E. GOLF ROAD, SUITE 300
SCHAUMBURG, IL 60173
(847) 230-5400



PREPARED BY: CEMCON, Ltd.
Consulting Engineers, Land Surveyors & Planners
2280 White Oak Circle, Suite 100
Aurora, Illinois 60502-9675
Ph: 630.862.2100 Fax: 630.862.2199
E-Mail: info@cemcon.com Website: www.cemcon.com

Table with 4 columns: NO., DATE, DESCRIPTION, REVISIONS (NO., DATE, DESCRIPTION)

CONSTRUCTION SPECIFICATIONS – GENERAL NOTES

WISE COMMONS

Table with 5 columns: FILE NAME, DSGN. BY, JOB NO., FLD. BK./PG., SHEET NO.
DIR: 402161 DRN. BY: LAL DATE: 08-27-24 SCALE: 1" = N/A SHEET NO. 04 of 27

CONSTRUCTION SPECIFICATIONS – GENERAL NOTES

COUNTY OF COOK TRANSPORTATION AND HIGHWAYS DEPARTMENT  
GENERAL CONDITIONS AND CDDOTH CONSTRUCTION NOTES FOR PERMIT WORK

GENERAL CONDITIONS

- DEFINITION OF OWNER: THE OWNER IS THE NAME/S LISTED ON THE COOK COUNTY TRANSPORTATION AND HIGHWAYS DEPARTMENT (CDDOTH) PERMIT AS OWNER/S. THE OWNER IS THE GRANTEE LISTED IN THE PUBLIC WAY REGULATORY ORDINANCE (THE ORDINANCE), CHAPTER 66.
- CAPITALIZED TERMS USED IN THIS PERMIT AND NOT OTHERWISE DEFINED HEREIN SHALL HAVE THE MEANINGS ASCRIBED TO THEM IN THE PUBLIC WAY REGULATORY ORDINANCE (THE ORDINANCE), CHAPTER 66, ARTICLE III, AND SECTIONS 50 ET SEQ. OF THE COOK COUNTY CODE. REQUIREMENTS SET FORTH IN THESE GENERAL CONDITIONS ARE IN ADDITION TO AND NOT IN LIMITATION OF THE REQUIREMENTS OF THE ORDINANCE.
- THE CDDOTH PERMIT IS ONLY APPLICABLE FOR THE WORK SHOWN ON THE FINAL APPROVED SUBMITTED PLANS ON COOK COUNTY RIGHT OF WAY (ROW). THE PERMIT DOES NOT RELEASE THE OWNER FROM FULFILLING THE REQUIREMENTS OF ANY OTHER LAWS OR OTHER REQUIRED PERMITTING RELATING TO THE PERMITTED WORK. IT IS THE RESPONSIBILITY OF THE OWNER TO ACQUIRE ALL OTHER APPLICABLE APPROVALS AND/OR PERMITS REQUIRED FOR THE PROPOSED WORK IN THE SUBMITTED PLANS. COPIES OF THE APPLICABLE APPROVALS AND/OR PERMITS SHALL BE SUBMITTED TO CDDOTH FOR THE PERMIT FILE.
- THE OWNER SHALL FULFILL ALL REQUIREMENTS SET FORTH IN THE PERMIT APPLICATION AND ITS INSTRUCTIONS, INCLUDING WITHOUT LIMITATION, PERMIT FEES, INSURANCE AND BONDING ARE A CONDITION OF THIS PERMIT. ISSUANCE OF THIS PERMIT, WITHOUT THE FULFILLMENT OF ALL REQUIREMENTS BY OWNER SHALL NOT ACT AS A WAIVER OF OWNER'S OBLIGATION TO COMPLY WITH SUCH REQUIREMENTS, UNLESS APPROVAL IN WRITING OF SUCH CHANGE IS GIVEN BY THE COOK COUNTY SUPERINTENDENT OF TRANSPORTATION AND HIGHWAYS.
- THE PERMIT CAN BE REVOKED PURSUANT TO THE TERMS OF THE ORDINANCE OR AT THE DISCRETION OF THE COOK COUNTY SUPERINTENDENT OF TRANSPORTATION AND HIGHWAYS.
- THE OWNER SHALL PROVIDE TWO DAYS ADVANCE NOTICE PRIOR TO THE START OF WORK TO THE CDDOTH PERMIT OFFICE. EMAIL THE NOTICE TO HWY.PERMITS@COOKCOUNTYIL.GOV.
- NO CHANGES, ALTERATIONS, OR REVISIONS TO THE PERMITTED WORK ARE ALLOWED UNLESS APPROVED IN WRITING BY THE COOK COUNTY SUPERINTENDENT OF TRANSPORTATION AND HIGHWAYS OR HIS DESIGNEE.
- IF OWNER DISCOVERS DURING THE PROGRESS OF THE PERMITTED WORK THAT SUBTERRANEAN CONDITIONS PROHIBIT THE CONSTRUCTION OF SAID IMPROVEMENT IN AND ALONG THE ALIGNMENT AS OUTLINED IN THE PLANS, IT IS EXPRESSLY UNDERSTOOD THAT ALL PERMITTED WORK SHALL CEASE UNTIL A PROPOSED REVISED ALIGNMENT HAS BEEN APPROVED BY THE CDDOTH AND THE PERMIT HAS BEEN MODIFIED.
- THE OWNER SHALL FURNISH ALL MATERIAL TO DO ALL WORK REQUIRED AND PAY ALL COSTS WHICH MAY BE INCURRED IN CONNECTION WITH SUCH WORK AND SHALL PROSECUTE THE SAME DILIGENTLY AND WITHOUT DELAY TO COMPLETION. SEE ORDINANCE FOR ADDITIONAL REQUIREMENTS AS TO WORK IN THE PUBLIC WAY.
- ALL CONSTRUCTION METHODS AND CONSTRUCTION MATERIALS SHALL BE IN ACCORDANCE WITH THE LATEST VERSION OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION (IDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, IDOT SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS, IDOT STANDARDS, COOK COUNTY SPECIAL PROVISIONS AND COOK COUNTY STANDARDS.
- UPON COMPLETION OF THE PERMITTED WORK, OWNER SHALL IN A TIMELY MANNER, (BUT IN NO EVENT MORE THAN 30 DAYS UNLESS ANOTHER TIME FRAME IS DIRECTED BY THE CDDOTH PERMITS DIVISION) RESTORE THE PUBLIC WAY SUBSTANTIALLY TO THE SAME CONDITION IN WHICH IT WAS BEFORE THE PERMITTED WORK STARTED. THE WORK INCLUDES BUT IS NOT LIMITED TO REMOVING ALL DEBRIS, RUBBISH, MATERIALS, APPARATUS, TOOLS, AND EQUIPMENT, AS WELL AS ALL EXCESS EXCAVATED MATERIALS, FROM THE PUBLIC WAY.
- SHOULD FUTURE CONSTRUCTION AND OPERATION OF THE HIGHWAYS BY CDDOTH REQUIRE ALTERATION OR RELOCATION OF THE OWNER'S FACILITIES, SUCH CHANGE SHALL BE MADE BY THE OWNER, ITS SUCCESSOR OR ASSIGNS UPON THE WRITTEN REQUEST OF THE SUPERINTENDENT OF CDDOTH WITHOUT EXPENSE TO SAID COUNTY OR STATE. REQUIREMENTS FOR ANY SUCH REQUESTED ALTERATION OR RELOCATION ARE FURTHER DETAILED IN THE ORDINANCE.
- THE OWNER, ITS SUCCESSOR AND ASSIGNS, ASSUME ALL RISK AND LIABILITY FOR ACCIDENTS AND DAMAGES THAT MAY ACCRUE TO PERSONS AND PROPERTY, DURING THE PROSECUTION OF THE WORK OR ANY TIME THEREAFTER, BY REASON OF THE LOCATION, CONSTRUCTION, INSTALLATION, OPERATION, MAINTENANCE, REPAIR AND WORK REFERRED TO HEREIN, AND THE OWNER, BY ACCEPTANCE OF THE PERMIT, AGREES TO INDEMNIFY AND SAVE HARMLESS COOK COUNTY FROM ANY SUCH CLAIMS FOR DAMAGES AND FROM ALL COSTS AND EXPENSES INCURRED ON ACCOUNT THEREOF AND IN CONNECTION THEREWITH.
- IN ACCORDANCE WITH THE ORDINANCE, AND AGREEMENT BY THE OWNER, THE OWNER ACKNOWLEDGES AND AGREES THAT THE PERMIT IS NULL AND VOID IF THE OWNER IS DELINQUENT IN THE PAYMENT OF ANY TAX OR FEE ADMINISTERED BY THE COOK COUNTY.
- THE OWNER SHALL FURNISH THE CDDOTH PERMITS DIVISION ONE AS-BUILT PDF IN 22"x34" FORMAT. THE ISSUED PERMIT PLANS AND ANY ISSUED ADDENDUM PLANS WILL BECOME THE AS-BUILT PLANS IF THE OWNER ON THIS PERMIT DOES NOT SUBMIT AS-BUILT PLANS BY THE EXPIRATION DATE OF THE PERMIT OR BY THE LAST PERMIT EXTENSION DATE.
- NOTIFY CDDOTH PERMITS OFFICE IN WRITING FOR FINAL INSPECTION. THE LETTER CAN BE EMAILED TO [hwypermits@cookcountylil.gov](mailto:hwypermits@cookcountylil.gov).

CDDOTH CONSTRUCTION NOTES

CURB AND GUTTER (PCC)

- PCC PAVEMENT MIX DESIGNS SHALL BE PER THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ART 1020.04
- IN THE REMOVAL OF CURB AND GUTTER, THE USE OF ANY TYPE OF CONCRETE BREAKER THAT WILL DAMAGE THE UNDERGROUND STRUCTURES WILL NOT BE PERMITTED.
- SAW CUT THE FULL DEPTH OF CURB AND GUTTER AT THE LIMITS OF REMOVAL.
- CONSTRUCT CURB AND GUTTER IN ACCORDANCE WITH IDOT STANDARD 606001. PROVIDE A TIED LONGITUDINAL CONSTRUCTION JOINT IN ACCORDANCE WITH IDOT STANDARD 420001, USING 30" LONG #6 (3/4" DIA.) DEFORMED EPOXY COATED TIE BARS AT 36-INCH CENTERS.

DRAINAGE

- THE DRAINAGE SYSTEMS SHALL ALWAYS BE KEPT CLEAN AND FREE OF DEBRIS.
- THE OWNER SHALL BE RESPONSIBLE FOR PROVIDING POSITIVE DRAINAGE.

- CDDOTH RESERVES THE RIGHT TO MAKE CONNECTIONS TO THE PROPOSED STORM SEWER FOR THE PURPOSE OF DRAINING THE HIGHWAY.
- AS A CONDITION OF GRANTING THIS PERMIT, WHICH INCLUDES THE POINT DISCHARGE OF STORM WATER ONTO THE COOK COUNTY TRANSPORTATION AND HIGHWAYS RIGHT OF WAY, THE OWNER HEREBY GRANTS PERMISSION TO THE COOK COUNTY TRANSPORTATION AND HIGHWAYS DEPARTMENT TO ENTER ONTO PRIVATE PROPERTY TO INSPECT THE DETENTION CONTROL STRUCTURE.

EROSION CONTROL AND LANDSCAPING

- THE PARKWAY SHALL ALWAYS BE KEPT CLEAN AND FREE OF DEBRIS.
- ANY DISTURBED AREAS WITHIN COOK COUNTY ROW REQUIRE EROSION CONTROL BLANKET PRIOR TO FINAL LANDSCAPING PER CURRENT ILLINOIS ENVIRONMENTAL PROTECTION AGENCY (EPA) STANDARDS.
- COOK COUNTY RIGHT-OF-WAY TO BE RESTORED WITH 4" TOPSOIL, FERTILIZER AND SOD. THIS NOTE SUPERSEDES ANY NOTE IN THE PLANS.

EXCAVATION AND BACKFILL

- THE OWNER SHALL MANAGE THE EXCAVATION, TRANSPORT, AND DISPOSAL OF ALL EXCAVATED MATERIALS (E. SOIL, DEBRIS, ETC.) IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.
- AS A CONDITION OF THIS PERMIT, THE OWNER SHALL REQUEST CDDOTH TO IDENTIFY SITES IN THE RIGHT-OF-WAY WHERE A HIGHWAY AUTHORITY AGREEMENT GOVERNS ACCESS TO SOIL THAT EXCEEDS THE TIER 1 RESIDENTIAL REMEDIATION OBJECTIVES OF 35 ILL. ADM. CODE 742. THE OWNER SHALL TAKE ALL MEASURES NECESSARY TO PROTECT HUMAN HEALTH (INCLUDING WORKER SAFETY) AND THE ENVIRONMENT DURING AND AFTER ANY ACCESS TO SUCH SOIL.
- ALL TRENCHES WITHIN COOK COUNTY ROW SHALL BE TRENCH BACKFILLED WITH FA-6 SAND IN ACCORDANCE WITH METHOD 1 IN ACCORDANCE WITH ARTICLE 550.07 OF THE (IDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

MEDIAN (PCC)

- PCC PAVEMENT MIX DESIGNS SHALL BE PER THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ART 1020.04
- IN THE REMOVAL OF MEDIAN, THE USE OF ANY TYPE OF CONCRETE BREAKER THAT WILL DAMAGE THE UNDERGROUND STRUCTURES WILL NOT BE PERMITTED.
- SAW CUT THE FULL DEPTH OF MEDIAN AT THE LIMITS OF REMOVAL.
- CONSTRUCT MEDIAN IN ACCORDANCE WITH IDOT STANDARD 606301. PROVIDE A TIED LONGITUDINAL CONSTRUCTION JOINT IN ACCORDANCE WITH IDOT STANDARD 420001, USING 30" LONG #6 (3/4" DIA.) EPOXY COATED DEFORMED TIE BARS AT 36-INCH CENTERS.

PAVEMENT - ALL

- SAW CUT THE FULL DEPTH OF PAVEMENT AT THE LIMITS OF REMOVAL.
- IN THE REMOVAL OF PAVEMENT, THE USE OF ANY TYPE OF CONCRETE BREAKER THAT WILL DAMAGE THE UNDERGROUND STRUCTURES WILL NOT BE PERMITTED.
- THE PAVEMENT SHALL ALWAYS BE KEPT CLEAN AND FREE OF DEBRIS.
- WHERE A MEDIAN OPENING IS PROVIDED, THE PAVEMENT SHALL BE CROWNED AT THE CENTERLINE USING A ONE PERCENT CROSS SLOPE.
- UNLESS SPECIFIED IN THE PERMIT, NO EQUIPMENT OTHER THAN PNEUMATIC-TIRED EQUIPMENT USED DURING THE INSTALLATION SHALL BE PERMITTED TO STOP OR OPERATE ON THE PAVEMENT NOR SHALL ANY EXCAVATED MATERIALS BE STORED TEMPORARILY OR OTHERWISE ON THE CDDOTH PAVEMENT.
- ALL PAVEMENT PATCH OPENINGS THAT ARE OPEN TO TRAFFIC SHALL BE IMMEDIATELY SURFACED WITH A TEMPORARY BITUMINOUS PATCH AT LEAST THREE INCHES IN THICKNESS. THIS PATCH THEN MUST BE INSPECTED DAILY AND ADDITIONAL BITUMINOUS PATCH MATERIAL MUST BE PLACED, DAILY IF NECESSARY, TO MAINTAIN THE PATCHED AREA AT THE SAME ELEVATION AS THE ADJACENT UNDISTURBED PAVEMENT FOR A PERIOD OF NOT LESS THAN 30 DAYS. AFTER 30 DAYS, PERMANENT REPLACEMENT IN KIND SHALL BE MADE TO THE BASE COURSE AND PAVEMENT SURFACE.

PAVEMENT, ENTRANCE (DRIVEWAYS, SIDE STREETS)

- PCC PAVEMENT MIX DESIGNS SHALL BE PER THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ART 1020.04
- HMA SURFACE AND BINDER COURSE MIX DESIGNS SHALL BE PER IDOT DI HOT MIX SELECTION TABLE. LINK: <http://www.idot.illinois.gov/doing-business/procurements/engineering-architectural-professional-services/consultants-resources/highway-standards-and-district-specific-standards> PATH: /DISTRICT SPECIFIC STANDARDS /DISTRICT 1/D1PAVEMENTDESIGN/HMA SELECTION TABLE(MOST RECENT DATE)
- FOR ENTRANCE INSTALLATIONS, THE OWNER SHALL REMOVE EARTH TO ITS FULL DEPTH, STARTING AT THE EDGE OF THE PAVEMENT, FOR THE FULL DIMENSIONS OF THE PROPOSED ENTRANCE, AND REPLACE WITH MATERIALS TO BE USED IN THE CONSTRUCTION OF THE ENTRANCE.
- THE ENTRANCE RADIUS MEETING THE EDGE OF SHOULDER OR THE BACK OF CURB MUST TERMINATE 3' FROM THE PROPERTY LINE EXTENDED TO THE EDGE OF SHOULDER OR THE BACK OF CURB. IF THIS REQUIREMENT CANNOT BE MET, A LETTER FROM THE NEIGHBORING PROPERTY AUTHORIZING THE ENCROACHMENT MUST BE SUBMITTED.
- THE CDDOTH RESERVES THE RIGHT TO RESTRICT ACCESS TO PERMITTED ENTRANCES ON FUTURE ROADWAY IMPROVEMENTS.
- THE OWNER ACKNOWLEDGES THAT IF OR WHEN THE COUNTY OF COOK IMPROVES THE HIGHWAY THE PAVEMENT COMPOSITION AT THE ABOVE-MENTIONED ENTRANCE(S) MAY BE SUBSTITUTED.

PAVEMENT, HOT MIX ASPHALT (HMA) PAVEMENT, PATCHING, AND RESURFACING

- HMA SURFACE AND BINDER COURSE MIX DESIGNS SHALL BE PER IDOT DI HOT MIX SELECTION TABLE. LINK: <http://www.idot.illinois.gov/doing-business/procurements/engineering-architectural-professional-services/consultants-resources/highway-standards-and-district-specific-standards> PATH: /DISTRICT SPECIFIC STANDARDS /DISTRICT 1/D1PAVEMENTDESIGN/HMA SELECTION TABLE(MOST RECENT DATE)

PAVEMENT

- HMA FULL DEPTH PAVEMENT THICKNESS SHALL BE 12-INCH ON A 12-INCH THICK AGGREGATE SUBGRADE IMPROVEMENT. THE HMA PAVEMENT SHALL BE BUILT PER THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ART 407. THE AGGREGATE SUBGRADE IMPROVEMENT SHALL BE BUILT PER THE IDOT BUREAU OF DESIGN AND ENVIRONMENT (BOE) SPECIAL PROVISION AGGREGATE SUBGRADE IMPROVEMENT. LINK: <https://idot.illinois.gov/doing-business/procurements/engineering-architectural-professional-services/consultants-resources/design-and-environment-bde-special-provisions-path/aggregate-subgrade-improvement>.

PATCHING

- HMA PATCHING SHALL MATCH THE EXISTING PAVEMENT THICKNESS. THE LENGTH SHALL BE THE GREATER OF 6 FEET (MEASURED PARALLEL TO THE CENTERLINE) OR 12 INCHES WIDER THAN THE PAVEMENT OPENING. THE PATCH WIDTH SHALL BE THE FULL LANE WIDTH OF EACH LANE AFFECTED. THE PAVEMENT OPENING SHALL BE SAW-CUT TO THE FULL DEPTH OF THE PAVEMENT AT THE LIMITS OF REMOVAL. THE HMA PAVEMENT PATCH SHALL BE IN ACCORDANCE WITH SECTION 442 PAVEMENT PATCHING OF THE STANDARD SPECIFICATIONS. CLASS D PATCHES SHALL BE USED FOR HMA PAVEMENTS AND HMA BASES.
- FOR ROADWAYS WITH HMA SURFACE REGARDLESS OF HMA OR PCC BASE, HMA SURFACE SHALL BE PLACED A MINIMUM OF 6 INCHES LONGER ON EACH SIDE OF THE PAVEMENT PATCH.

RESURFACING

- HMA MILL AND RESURFACE PAVEMENT THICKNESS SHALL BE PER THE APPROVED PERMIT PLANS. HMA RESURFACING SHALL BE BUILT PER THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ART 406.

PAVEMENT, PORTLAND CEMENT CONCRETE (PCC) PAVEMENT, PATCHING

ALL

- PCC PAVEMENT MIX DESIGNS SHALL BE PER THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ART 1020.04

PAVEMENT

- PCC PAVEMENT THICKNESS SHALL BE 10 INCHES ON A 12-INCH THICK AGGREGATE SUBGRADE IMPROVEMENT. THE PCC PAVEMENT SHALL BE BUILT PER THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ART 420. THE AGGREGATE SUBGRADE IMPROVEMENT SHALL BE BUILT PER THE IDOT BDE SPECIAL PROVISION AGGREGATE SUBGRADE IMPROVEMENT. LINK: <https://idot.illinois.gov/doing-business/procurements/engineering-architectural-professional-services/consultants-resources/design-and-environment-bde-special-provisions-path/aggregate-subgrade-improvement>.
- WHERE THE PROPOSED PAVEMENT OR MEDIAN ABUTS THE EXISTING PAVEMENT, MEDIAN OR CURB AND GUTTER LONGITUDINALLY, PROVIDE A TIED LONGITUDINAL CONSTRUCTION JOINT IN ACCORDANCE WITH IDOT STANDARD 420001, USING 30" LONG #6 (3/4" DIA.) EPOXY COATED DEFORMED TIE BARS AT 36 INCH CENTERS. KEVED JOINTS AS SHOWN ON STANDARD 420001 SHALL NOT BE ALLOWED.
- PROVIDE TRANSVERSE SAWED CONTRACTION JOINTS EVERY 15 FEET IN ACCORDANCE WITH IDOT STANDARD 420001, USING 18" LONG #12 (1-1/2" DIA.) SMOOTH EPOXY COATED DOWEL BARS AT 12-INCH CENTERS AND ALIGN PROPOSED JOINTS WITH EXISTING JOINTS. IF A PROPOSED JOINT IS LOCATED LESS THAN 6 FEET FROM AN EXISTING JOINT, THEN THE EXISTING PAVEMENT OR MEDIAN SHALL BE REMOVED AND REPLACED UP TO THE EXISTING JOINT.

PATCHING

- PCC PATCHING SHALL MATCH THE EXISTING PAVEMENT THICKNESS. THE LENGTH SHALL BE THE GREATER OF 6 FEET (MEASURED PARALLEL TO THE CENTERLINE) OR 12 INCHES WIDER THAN THE PAVEMENT OPENING. THE PATCH WIDTH SHALL BE THE FULL LANE WIDTH OF EACH LANE AFFECTED. THE PAVEMENT OPENING SHALL BE SAW-CUT TO THE FULL DEPTH OF THE PAVEMENT AT THE LIMITS OF REMOVAL. THE PCC PAVEMENT PATCH SHALL BE IN ACCORDANCE WITH SECTION 442 PAVEMENT PATCHING OF THE STANDARD SPECIFICATIONS. CLASS B PATCHES SHALL BE USED FOR CONCRETE PAVEMENT AND CONCRETE BASES.
- PAVEMENT PATCHES GREATER THAN OR EQUAL TO 15SS SHALL USE PAVEMENT FABRIC IN ACCORDANCE WITH IDOT STANDARD 420701 AND PROVIDE 3 1/2 INCHES OF CLEARANCE BETWEEN THE PAVEMENT SURFACE AND THE TOP OF THE FABRIC.
- WHERE THE PROPOSED PAVEMENT OR MEDIAN ABUTS THE EXISTING PCC PAVEMENT OR MEDIAN TRANSVERSELY, PROVIDE A TRANSVERSE JOINT IN ACCORDANCE WITH IDOT STANDARD 442101, USING 18" LONG #12 (1-1/2" DIA.) SMOOTH EPOXY COATED DOWEL BARS AT 12 INCH CENTERS.

PAVEMENT MARKING

- MODIFIED URETHANE PAVEMENT MARKING SHALL BE USED FOR THE PROPOSED PAVEMENT MARKING PER IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ART 780 AND 1095.
- WATER BLASTER AND VACUUM RECOVERY METHOD SHALL BE USED FOR REMOVAL OF PAVEMENT MARKING PER IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ART 783 AND 1101.
- THE MODIFIED URETHANE PAVEMENT MARKING INSTALLATION SHALL BE DONE NO LATER THAN DECEMBER 15 PER IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ART 780.12. THE MINIMUM WINTER PERFORMANCE PERIOD EXTENDS TO MAY 1 THE NEXT YEAR. IF PAVEMENT MARKINGS ARE IN BEFORE DEC 15 AND THE PERMIT WORK IS NOT COMPLETED BY MAY 1 THE NEXT YEAR, THE PERFORMANCE PERIOD WILL LAST UNTIL A REQUEST FOR FINAL INSPECTION IS MADE. THE PERMITS INSPECTOR WILL DO THE FINAL PAVEMENT MARKING INSPECTION DURING THE FINAL INSPECTION FOR THE WHOLE PERMIT. THE PERMIT CANNOT BE CLOSED OUT UNTIL THIS REQUIREMENT IS MET.

SIDEWALK AND BUS SHELTERS

- IN THE REMOVAL OF SIDEWALK AND BUS SHELTER PADS, THE USE OF ANY TYPE OF CONCRETE BREAKER THAT WILL DAMAGE THE UNDERGROUND STRUCTURES WILL NOT BE PERMITTED.
- ALL PROPOSED BUS SHELTER AND BUS SHELTER PADS MUST MEET THE CURRENT IDOT BUREAU OF DESIGN AND ENVIRONMENT (BDE) MANUAL AND IDOT BUREAU OF LOCAL ROADS (BLR) MANUAL, PUBLIC RIGHTS-OF-WAY ACCESSIBILITY GUIDELINES (PROWAG) AND AMERICANS WITH DISABILITIES ACT (ADA) REQUIREMENTS.

- ALL PROPOSED SIDEWALK (CROSSWALK) SHALL BE RAMPED IN COMPLIANCE WITH THE CURRENT IDOT BDE MANUAL, IDOT BLR MANUAL, PROWAG AND ADA REQUIREMENTS.

- ALL PROPOSED CURB RAMPS SHALL BE INSPECTED AFTER CONSTRUCTION. IDOT FORM D1 PD0031 (LINK: [www.idot.illinois.gov/home/resources/forms-folder/d1-path/district-1/d1-pd0031](http://www.idot.illinois.gov/home/resources/forms-folder/d1-path/district-1/d1-pd0031)) SHALL BE FILLED OUT FOR EACH LOCATION. IF THERE ARE ANY DEFICIENCIES THE DEFICIENCIES SHALL BE FIXED, AND THE FORM REFILED OUT FOR THE LOCATION UNTIL THE CURB RAMP IS COMPLIANT. A COPY OF THE FINAL FORM SHALL BE SUBMITTED TO THE CDDOTH PERMITS OFFICE AT [hwypermits@cookcountylil.gov](mailto:hwypermits@cookcountylil.gov) FOR THE PERMIT FILE. CDDOTH PERMITS OFFICE WILL FORWARD THE COMPLETED FORMS TO THE COOK COUNTY ADA COORDINATOR FOR THE COOK COUNTY ADA FILE.
- ALL THE FOLLOWING CDDOTH SPECIAL PROVISION SHALL APPLY TO ALL SIDEWALK.
- DETECTABLE WARNINGS (SPECIAL), CAST IRON. (PROVIDED IN PERMIT REVIEW)
- THE FOLLOWING CDDOTH STANDARD SHALL APPLY TO ALL SIDEWALK. C-9 COOK COUNTY PCC SIDEWALK CONSTRUCTION (EXPANSION JOINTS) DETAIL (PROVIDED IN PERMIT REVIEW.)
- PROPOSED SIDEWALK SHALL BE 8" THICK THROUGH DRIVEWAYS AND AT CURB RAMPS.
- CONCRETE SIDEWALKS SHALL BE CONTINUOUS THROUGH ALL DRIVEWAYS WITH A MAXIMUM CROSS SLOPE OF 1.5%.

TRAFFIC CONTROL

- OWNER SHALL PROVIDE AND MAINTAIN AT ITS OWN EXPENSE, SUCH TEMPORARY ROADS, AND APPROACHES, AS MAY BE NECESSARY TO PROVIDE ACCESS TO DRIVEWAYS, HOUSES, BUILDINGS, OR OTHER PROPERTY ADJUTING THE SITE OF THE PERMITTED WORK. ACCESS SHALL NOT BE BLOCKED.
- NO TEMPORARY LANE CLOSURES OR TEMPORARY TRAFFIC DETOURS RELATING TO PERMITTED WORK WILL BE ALLOWED BETWEEN THE HOURS OF 6 A.M. TO 9 A.M. AND 3 P.M. TO 6:30 P.M., (OTHER THAN AS ALLOWED FOR EMERGENCY MAINTENANCE PER THE ORDINANCE).
- ALL SIGNS SHALL CONFORM TO THE LATEST MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND ILLINOIS SUPPLEMENTAL TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD)
- ALL TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE LATEST IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, IDOT HIGHWAY STANDARDS, AND THE IDOT APPROVED PRODUCT LIST.
- ALL LANE CLOSURES SHALL BE IN ACCORDANCE WITH THE LATEST IDOT HIGHWAY STANDARDS.
- THE OWNER SHALL CONDUCT ITS OPERATIONS IN A MANNER SO AS TO INSURE THE MINIMUM HINDRANCE TO TRAFFIC, USING THE PAVEMENT AND AT NO TIME SHALL ITS OPERATIONS OBSTRUCT MORE THAN ONE HALF (1/2) OF THE AVAILABLE PAVEMENT WIDTH.
- WHEN EXISTING TRAFFIC CONTROL SIGNS SUCH AS STOP SIGNS, STOP AHEAD SIGNS, AND CROSSROAD SIGNS ARE REMOVED IN THE PROGRESS OF THE PERMITTED WORK, SAID SIGNS SHALL BE IMMEDIATELY RESET AS CLOSE AS POSSIBLE TO THEIR ORIGINAL LOCATION. AFTER THE COMPLETION OF THE PERMITTED WORK HAS BEEN APPROVED, SAID TRAFFIC CONTROL SIGNS SHALL BE RESTORED TO THEIR ORIGINAL POSITION AND CONDITION. IF MODIFICATIONS ARE NEEDED A REVISED SIGNAGE PLAN CAN BE SUBMITTED TO PERMITS FOR REVIEW AND APPROVAL.

TRAFFIC SIGNALS, LIGHTING, OTHER ELECTRICAL

- TO ENSURE PROPER INSTALLATION, THE OWNER SHALL HIRE AN INSPECTOR FOR ALL ELECTRICAL WORK. THE INSPECTOR SHALL BE INDEPENDENT FROM THE CONTRACTORS WORKING ON THE PERMIT. THE INSPECTOR'S PURPOSE IS TO ENSURE THE CONTRACTOR IS INSTALLING THE ELECTRICAL ITEMS PER THE PLANS AND SPECIFICATIONS. THE INSPECTOR SHALL BE FAMILIAR WITH THE FIELD INSTALLATION INSPECTION, MATERIAL INSPECTION AND DOCUMENTING REQUIREMENTS OF THE COOK COUNTY, IDOT, AND/OR MUNICIPAL ELECTRICAL WORK ITEMS ON THE PERMIT. THE WORK ITEMS MAY INCLUDE BUT ARE NOT LIMITED TO TRAFFIC SIGNAL ITEMS, TRAFFIC SIGNAL INTERCONNECT ITEMS, FLASHING BEACON ITEMS, LIGHTING ITEMS, ETC.
- CARE IS TO BE TAKEN AS NOT TO DAMAGE ANY OF THE EXISTING TRAFFIC SIGNAL CONDUITS, FIBER CABLES AND EQUIPMENT. IF ANY OF THE TRAFFIC SIGNAL CONDUITS, CABLES AND/OR EQUIPMENT IS DAMAGED, THE CONTRACTOR SHALL REPAIR AND/OR REPLACE THE CONDUITS, CABLES AND/OR EQUIPMENT AT NO COST TO THE COUNTY.
- COOK COUNTY IS NOT A MEMBER OF JULIE (JOINT UTILITY LOCATING INFORMATION FOR EXCAVATORS); FOR LOCATION INFORMATION ON COOK COUNTY TRAFFIC SIGNAL EQUIPMENT, TRAFFIC SIGNAL INTERCONNECT EQUIPMENT, FLASHING BEACONS EQUIPMENT, LIGHTING EQUIPMENT, ETC., PLEASE CONTACT THE MECHANICAL ELECTRICAL, ARCHITECTURAL AND LANDSCAPING (MELA) DIVISION AT 312-603-1734.
- IF THIS CONTRACT REQUIRES THE SERVICES OF AN ELECTRICAL CONTRACTOR, THE CONTRACTOR SHALL BE RESPONSIBLE AT HIS/HER OWN EXPENSE FOR LOCATING EXISTING IDOT AND CDDOTH FACILITIES PRIOR TO PERFORMING ANY WORK. IF THIS CONTRACT DOES NOT REQUIRE THE SERVICES OF ELECTRICAL CONTRACTOR, THE CONTRACTOR MAY REQUEST ONE FREE LOCATE FOR EXISTING IDOT AND CDDOTH ELECTRICAL FACILITIES FROM THE ELECTRICAL MAINTENANCE CONTRACTOR(S) PRIOR TO THE START OF ANY WORK. ADDITIONAL REQUESTS MAY BE AT THE EXPENSE OF THE CONTRACTOR. THE LOCATION OF UNDERGROUND TRAFFIC FACILITIES DOES NOT RELIEVE THE CONTRACTOR OF THEIR RESPONSIBILITY TO REPAIR ANY FACILITIES DAMAGED DURING CONSTRUCTION AT THEIR EXPENSE.

UTILITIES, ALL

- IT SHALL BE THE RESPONSIBILITY OF THE OWNER TO CO-ORDINATE WITH UTILITY COMPANIES SHARING THE COOK COUNTY ROW AND RELOCATE THE EXISTING POWER POLES, FIRE HYDRANTS, GUARDRAIL AND APPURTENANCES AS NEEDED FOR THE PROPOSED PERMIT WORK. THERE SHALL BE NO COST TO THE COUNTY.
- AS A REQUIREMENT OF THIS PERMIT ALL UTILITY OWNERS (PRIVATE AND GOVERNMENT) SHALL MAINTAIN A MEMBERSHIP WITH J.U.L.I.E. LOCATING SERVICE UNTIL THE UTILITY IS COMPLETELY REMOVED FROM COOK COUNTY ROW.
- UTILITIES, AERIAL
- ALL AERIAL LINES CROSSINGS OR PARALLEL MUST HAVE A MINIMUM CLEARANCE OF 18'3".
- POLE OWNER PERMISSION IS REQUIRED FOR ALL CABLE, CONDUIT, AND OTHER APPURTENANCE CONNECTION TO A POLE.
- PROPOSED AERIAL CABLE SHALL NOT BLOCK THE EXISTING TRAFFIC SIGNAL HEADS.

- PROPOSED AERIAL CABLE SHALL NOT TOUCH EXISTING TRAFFIC SIGNAL EQUIPMENT.

UTILITIES UNDERGROUND

- ALL AUGER PITS AND EXCAVATIONS SHALL BE AS FAR AWAY FROM THE EDGE OF PAVEMENT OR BACK OF CURB AS POSSIBLE, AND WOOD OR STEEL SHEETING SHALL BE USED. AUGER PITS SHALL BE PROTECTED WITH CONCRETE BARRIER WALLS IF WITHIN CLEAR ZONES. THE ENDS OF THE CONCRETE BARRIER WALLS SHALL BE PROTECTED WITH CRASH ATTENUATORS. THE BARRIER WALL AND CRASH ATTENUATORS DESIGN SHALL MEET IDOT BDE MANUAL AND IDOT BLR MANUAL DESIGN REQUIREMENTS. OPEN HOLES LEFT OVERNIGHT SHALL FENCED OFF AND COVERED.
- ALL EXTERNAL CASING VOIDS SHALL BE PRESSURE GROUTED OR FILLED WITH TRENCH BACKFILL USING PUMPING OR JETTING OUTSIDE OF THE CASING. THE INSIDE OF THE CASING SHALL BE SEALED OR FILLED USING THE EXTERNAL VOID PROCEDURES.
- A MINIMUM DEPTH OF 42 INCHES SHALL BE MAINTAINED FROM THE GROUND SURFACE TO THE TOP OF THE CONDUIT, CABLE, OR PIPE AND A MINIMUM DEPTH OF 36 INCHES FROM THE TRUE FLOW LINE OF THE DRAINAGE DITCH TO THE TOP OF THE CONDUIT, CABLE OR PIPE.
- PROPOSED UNDERGROUND UTILITIES RUNNING PARALLEL TO EXISTING WATER MAIN OR SANITARY SEWER SHALL ADJUST THE ALIGNMENT IF THE UTILITY IS WITHIN 5 FEET OF THE OUTER WALL OF THE WATER MAIN OR SANITARY SEWER. THE PROPOSED UTILITY SHALL MAINTAIN 5 FEET OR GREATER WHILE RUNNING PARALLEL TO THE EXISTING WATER MAIN OR SANITARY SEWER. THE DISTANCE BETWEEN PARALLEL OR CROSSING SANITARY OR STORM SEWER WITH WATER MAIN SHALL MEET IEPA REQUIREMENTS.

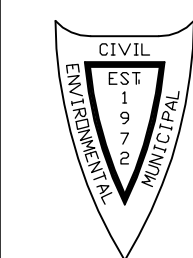
WINTER MORATORIUM CONDITION

- DURING THE WINTER MONTHS, (NOVEMBER 1 THROUGH APRIL 15) THE CDDOTH IMPOSES A MORATORIUM FOR THE OPEN CUTTING OF PAVEMENT DUE TO SNOW REMOVAL AND THE SCARCITY OF READY MIXES REQUIRED TO PROPERLY RESTORE THE PAVEMENT. THIS INCLUDES OBSERVATION HOLES OVER EXISTING UTILITY FACILITIES WHILE PERFORMING DIRECTIONAL BORE OPERATIONS, AS WELL AS LANE CLOSURES FOR MANHOLE ACCESS.
- EACH REQUEST TO OPEN CUT THE PAVEMENT OR REQUIRE A LANE CLOSURE WILL BE DECIDED ON A CASE BY CASE BASIS. SHOULD THE REQUEST BE APPROVED, THE FOLLOWING MEASURES WILL BE TAKEN AND ADHERED TO:
  - UNLESS IT IS A DIRE EMERGENCY, NO LANE CLOSURES WILL BE SET UP OR WORK PERFORMED WITHIN THE PAVEMENT AREAS ON DAYS THAT SNOW IS PREDICTED, OR IF THE SNOW HAS YET BEEN REMOVED FROM THE PAVEMENT.
  - THERE WILL BE NO OVERNIGHT LANE CLOSURES, UNLESS APPROVED IN ADVANCE BY CDDOTH.
  - ALL RESTORATION MUST BE COMPLETED BY THE END OF EACH WORKDAY OR BACKFILL IS REQUIRED. THE USE OF STEEL PLATES IS PROHIBITED. THE TEMPORARY PAVEMENT PATCH SIZE SHALL BE BACKFILLED WITH FLOWABLE FILL (PER SECTION 1019 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION).
  - ALL TEMPORARY PAVEMENT RESTORATIONS WILL BE PERMANENTLY RESTORED IN THE FOLLOWING SPRING.

PLOT FILE CREATED: 8/27/2024 1:30 PM BY LESLIE LUNDBERG DRAWING LAST SAVED: 8/13/2024 8:22 AM BY DAVIDD DRAWING PATH: P:\402161\06\ENG\DRAWINGS\FINAL DRAFTING\GENNOTES.DWG

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PREPARED FOR:  
PULTE HOME COMPANY, LLC  
1900 E. GOLF ROAD, SUITE 300  
SCHAUMBURG, IL 60173  
(847) 230-5400



PREPARED BY:  
**CEMCON, Ltd.**  
Consulting Engineers, Land Surveyors & Planners  
2280 White Oak Circle, Suite 100  
Aurora, Illinois 60502-9675  
Ph: 630.862.2100 Fax: 630.862.2199  
E-Mail: info@cemcon.com Website: www.cemcon.com

REVISIONS					
NO.	DATE	DESCRIPTION	NO.	DATE	DESCRIPTION

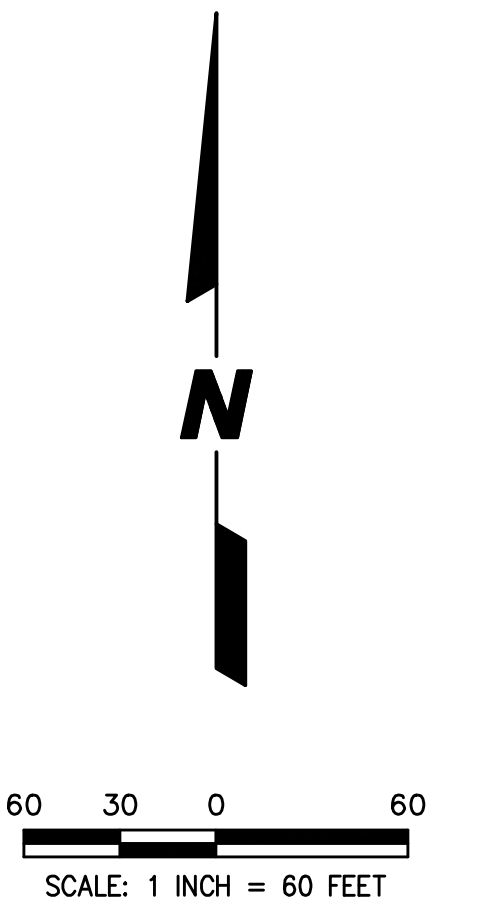
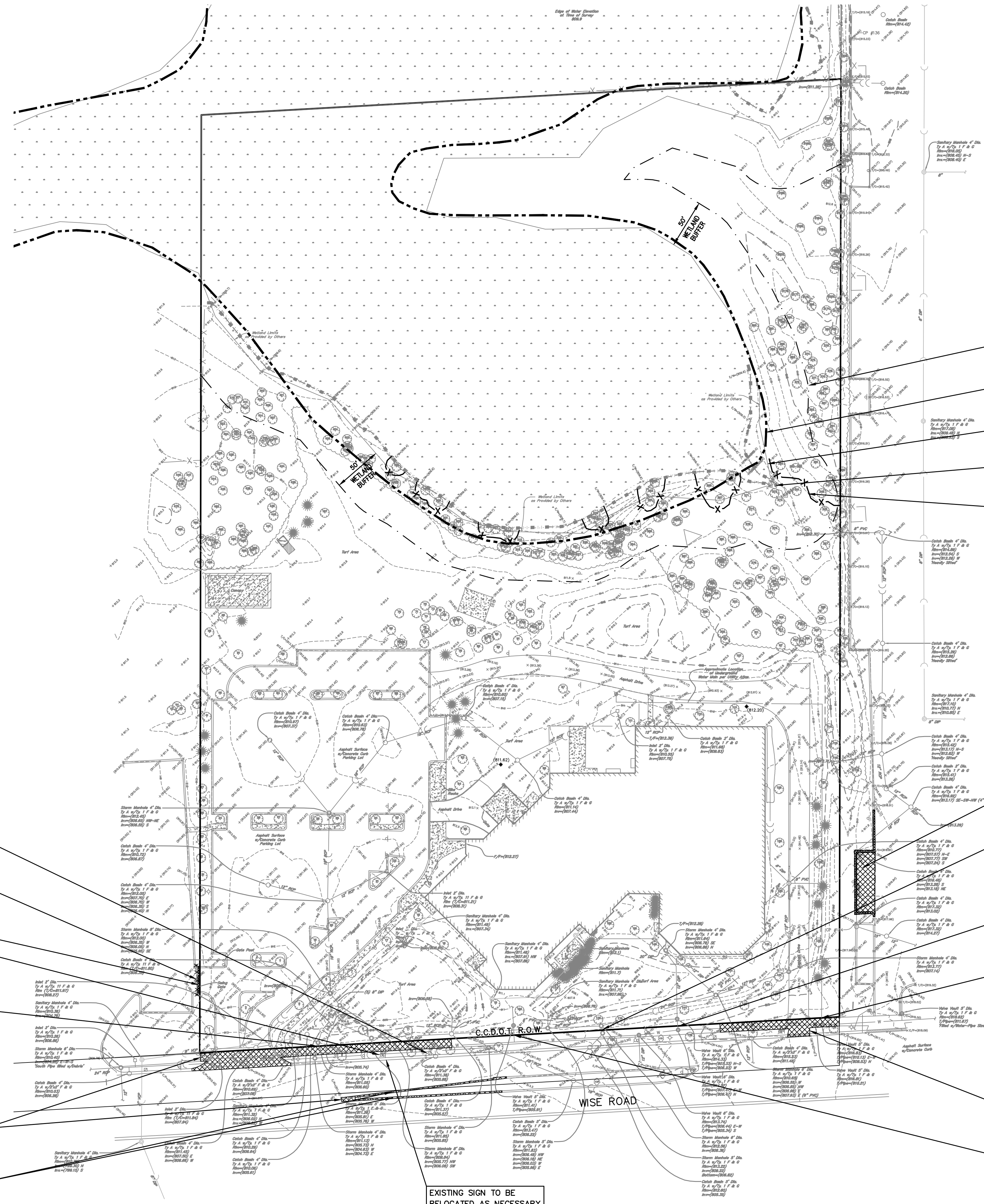
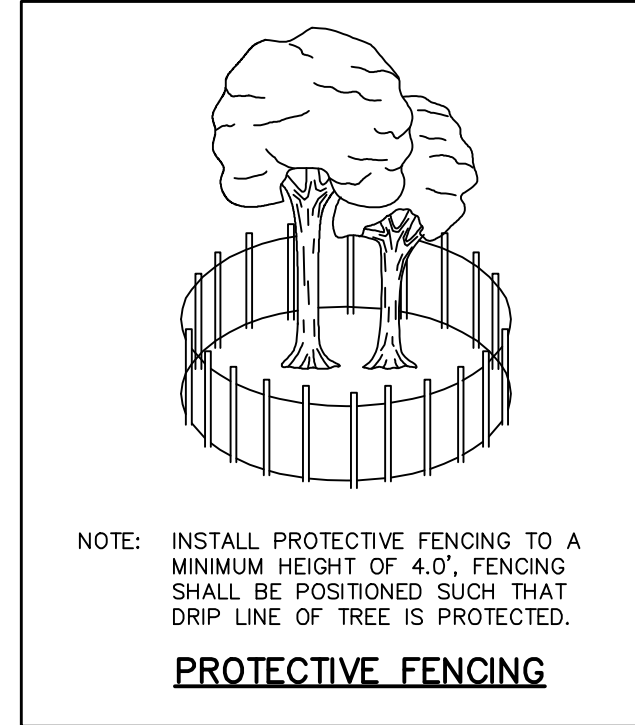
CDDOTH CONSTRUCTION SPECIFICATIONS – GENERAL NOTES

WISE COMMONS

FILE NAME: GENNOTES	DSGN. BY: CRM	JOB NO.: 402.161	FLD. BK./PG.: N/A	SHEET NO.
DIR: 402161	DRN. BY: LAL	DATE: 08-27-24	SCALE: 1" = N/A	05 of 27

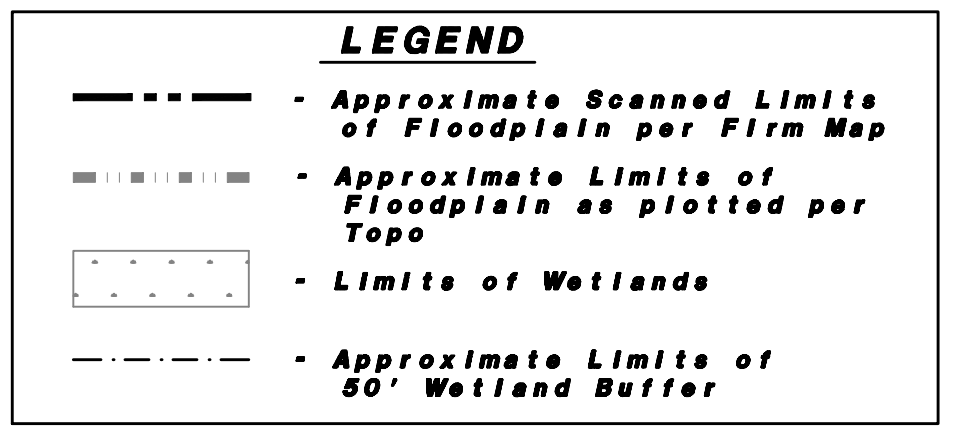


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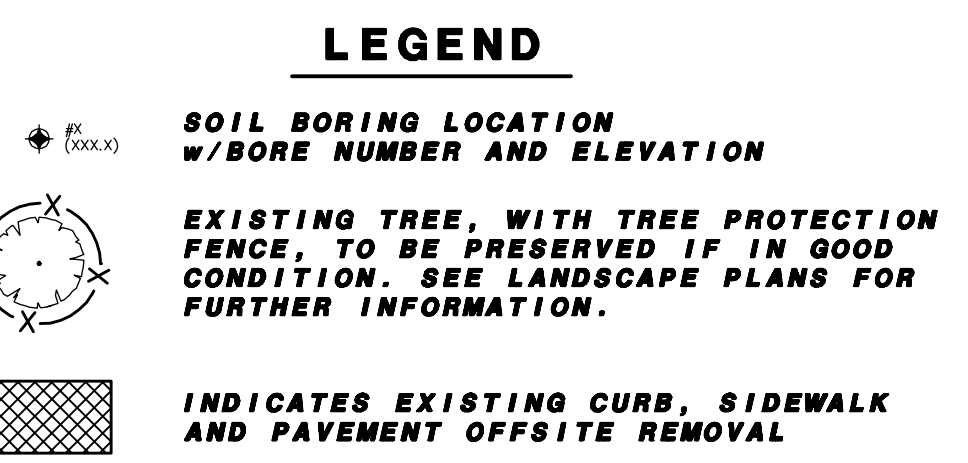
- APPROXIMATE LIMITS OF 50' WETLAND BUFFER
- APPROXIMATE SCANNED LIMITS OF FLOODPLAIN PER FIRM MAP
- APPROXIMATE LIMITS OF WETLANDS
- APPROXIMATE LIMITS OF FLOODPLAIN AS PLOTTED PER TOPO
- TREE PROTECTION FENCE (TYP.)

NOTE: ALL EXISTING BUILDINGS, PAVEMENT, UTILITIES AND TREES LOCATED ONSITE TO BE REMOVED AND DISPOSED UNLESS INDICATED OTHERWISE.



- EXISTING UTILITY HANDHOLE TO BE RELOCATED
- EXISTING ACCESS GATE TO BE REMOVED
- SAWCUT AND REMOVE EXISTING CURB AND PAVEMENT
- EXISTING HYDRANT TO BE REMOVED AND RELOCATED
- CUT, PLUG AND ABANDON EXISTING STORM SEWER AT PROPERTY LINE
- EXISTING CURB AND PAVEMENT TO BE REMOVED WITHIN R.O.W.
- 310± L.F. OF EXISTING CURB TO BE REMOVED AND DISPOSED

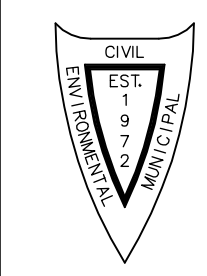
- SAWCUT AND REMOVE EXISTING CURB AND PAVEMENT
- PLUG EXISTING NORTH STORM INVERT
- EXISTING WATERMAIN TO BE ABANDONED AT EXISTING VALVE
- CUT AND CONNECT TO EXISTING WATERMAIN (SEE PLAN AND PROFILE)
- EXISTING CURB AND PAVEMENT TO BE REMOVED WITHIN R.O.W.
- CUT, PLUG AND ABANDON EXISTING WATERMAIN AT PROPERTY LINE



EXISTING SIGN TO BE RELOCATED AS NECESSARY

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PREPARED FOR:  
PULTE HOME COMPANY, LLC  
1900 E. GOLF ROAD, SUITE 100  
SCHAUMBURG, IL 60173  
(847) 230-5400



PREPARED BY:  
**CEMCON, Ltd.**  
Consulting Engineers, Land Surveyors & Planners  
2280 White Oak Circle, Suite 100  
Aurora, Illinois 60502-9675  
Ph: 630.862.2100 Fax: 630.862.2199  
E-Mail: info@cemcon.com Website: www.cemcon.com

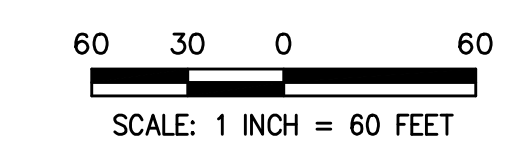
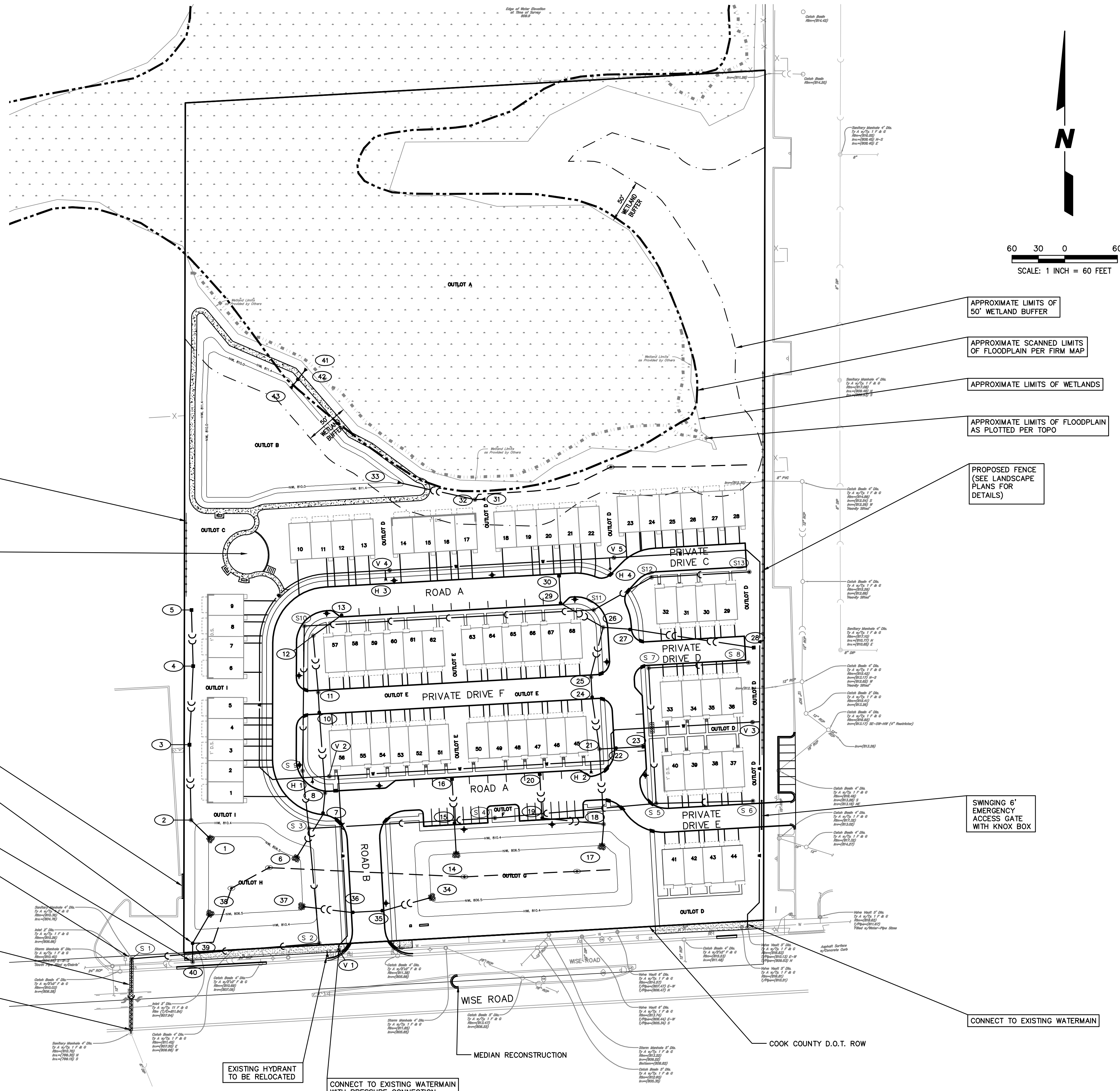
REVISIONS		REVISIONS			
NO.	DATE	DESCRIPTION	NO.	DATE	DESCRIPTION

**EXISTING CONDITIONS AND DEMOLITION PLAN**  
**WISE COMMONS**

FILE NAME: DEMO	DSGN. BY: CRM	JOB NO.: 402,161	FLD. BK./PG.: N/A	SHEET NO.
DIR: 402161	DRN. BY: LAL	DATE: 08-27-24	SCALE: 1" = 60'	07 of 27



PLOT FILE CREATED: 8/27/2024 3:07 PM BY LESLIE LUNDBERG DRAWING LAST SAVED: 8/27/2024 3:06 PM BY LESLIE LUNDBERG DRAWING PATH: P:\402161\DWG\ENG\DRAWINGS\FINAL\DRAWING\MAS\MASTER UTIL.DWG



**LEGEND**  
PROPOSED DESCRIPTION

- STORM SEWER
- STORM MANHOLE
- CATCH BASIN
- INLET
- SLOPE INLET BOX
- END SECTION
- SANITARY SEWER
- SANITARY MANHOLE
- WATERMAIN
- WATER VALVE IN VAULT
- FIRE HYDRANT
- STREET LIGHT
- FLOODPLAIN LIMIT LINE
- OBSERVATION WELL
- UNDERDRAIN
- NUMBERING SYSTEM USED ON PLANS FOR DRAINAGE STRUCTURE IDENTIFICATION
- NUMBERING SYSTEM USED ON PLANS FOR SANITARY MANHOLE IDENTIFICATION
- NUMBERING SYSTEM USED ON PLANS FOR FIRE HYDRANT IDENTIFICATION
- NUMBERING SYSTEM USED ON PLANS FOR VALVE VAULT IDENTIFICATION

**NOTE:** ALL SANITARY SEWER SHALL BE 8 INCH DIA. UNLESS OTHERWISE NOTED.  
ALL WATERMAIN SHALL BE 8 INCH DIA. UNLESS OTHERWISE NOTED.  
BLANKET STYLE UTILITY EASEMENTS LOCATED OVER OUTLOTS B, C, D, E, F, G, H AND I. SEE FINAL PLAT FOR DETAILS.

**LEGEND**

- Approximate Scanned Limits of Floodplain per Firm Map
- Approximate Limits of Floodplain as plotted per Topo
- Limits of Wetlands
- Approximate Limits of 50' Wetland Buffer

PROPOSED FENCE (SEE LANDSCAPE PLANS FOR DETAILS)

PLAYGROUND (SEE LANDSCAPE PLANS FOR DETAILS)

CURB CONSTRUCTION TO BE COORDINATED W/SCHOOL DISTRICT

RESTRICTOR STRUCTURE

CONSTRUCT MANHOLE OVER EXISTING STORM SEWER

RECONSTRUCT EXISTING MANHOLE

OPEN CUT EXISTING ROAD. RESTORE PAVEMENT PER COOK COUNTY D.O.T. REQUIREMENTS. CONTRACTOR TO MAINTAIN ONE LANE W/FLAGGERS DURING WORK DAY AND REOPEN TO ALL LANES DURING NIGHTS AND WEEKENDS (NON WORK TIMES)

CONNECT TO EXISTING MANHOLE

EXISTING HYDRANT TO BE RELOCATED

CONNECT TO EXISTING WATERMAIN WITH PRESSURE CONNECTION

APPROXIMATE LIMITS OF 50' WETLAND BUFFER

APPROXIMATE SCANNED LIMITS OF FLOODPLAIN PER FIRM MAP

APPROXIMATE LIMITS OF WETLANDS

APPROXIMATE LIMITS OF FLOODPLAIN AS PLOTTED PER TOPO

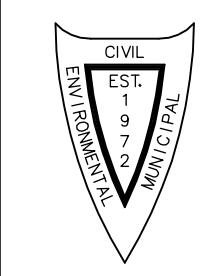
PROPOSED FENCE (SEE LANDSCAPE PLANS FOR DETAILS)

SHOWING 6' EMERGENCY ACCESS GATE WITH KNOX BOX

CONNECT TO EXISTING WATERMAIN

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PULTE HOME COMPANY, LLC  
1900 E. GOLF ROAD, SUITE 300  
SCHAUMBURG, IL 60173  
(847) 230-5400



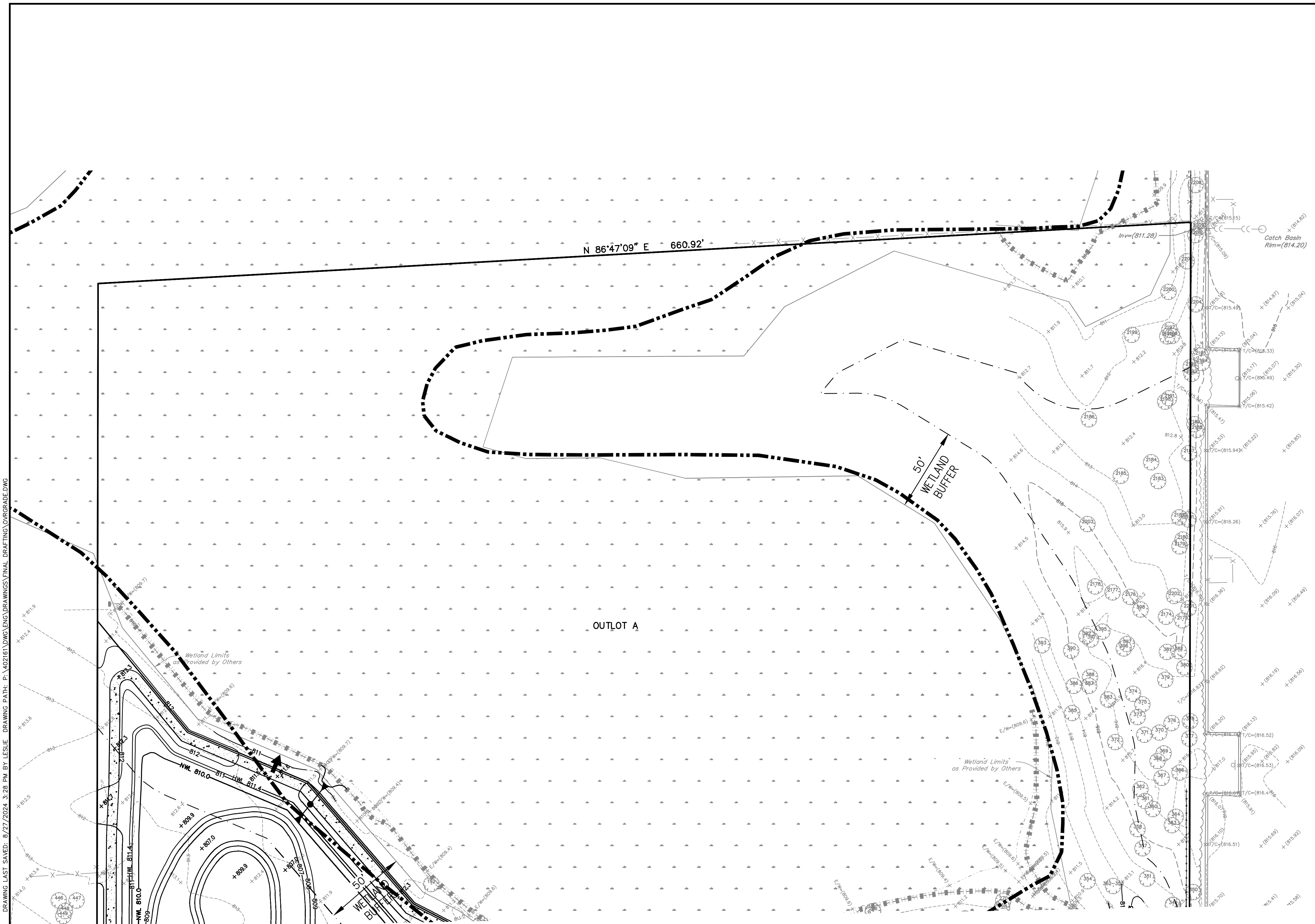
PREPARED BY:  
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Consulting Engineers, Land Surveyors & Planners  
2280 White Oak Circle, Suite 100  
Aurora, Illinois 60502-9675  
Ph: 630.862.2100 Fax: 630.862.2199  
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NO.		DATE	DESCRIPTION	REVISIONS		NO.	DATE	DESCRIPTION

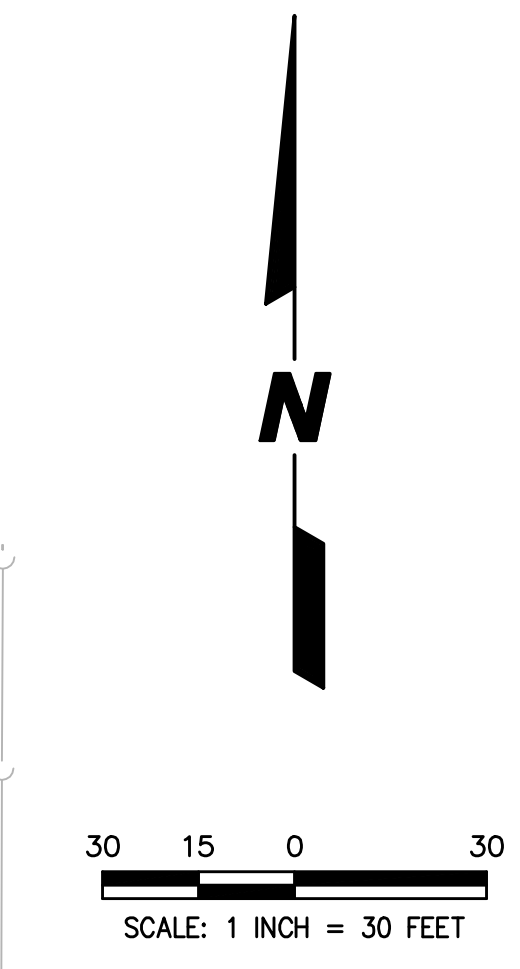
**MASTER UTILITY PLAN**  
**WISE COMMONS**

FILE NAME: MASTER UTIL	DSGN. BY: CRM	JOB NO.: 402161	FLD. BK./PG.: N/A	SHEET NO.
DIR: 402161	DRN. BY: LAL	DATE: 08-27-24	SCALE: 1" = 60'	09 of 27



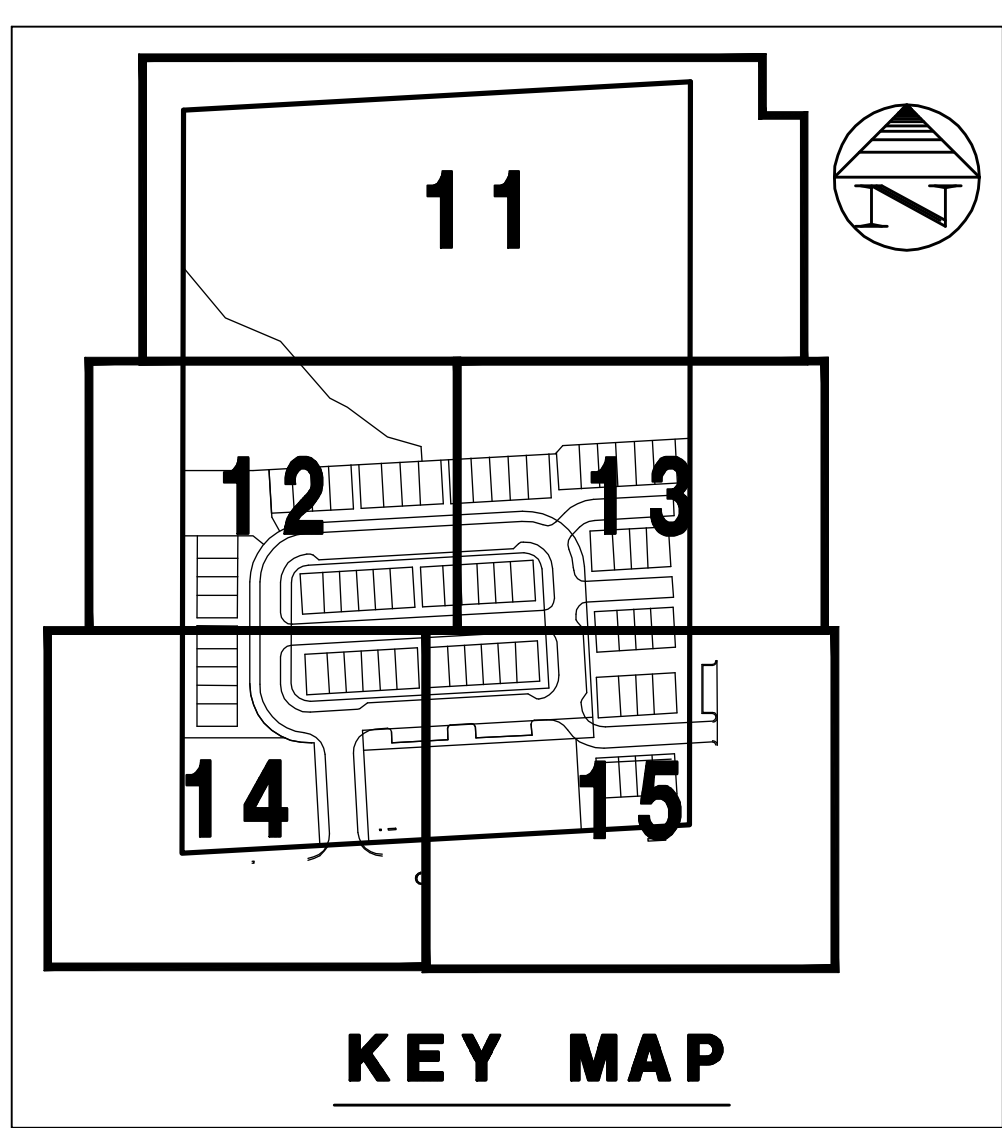


- DRAINAGE & GRADING NOTES**
- ELEVATIONS SHOWN FOR ALL CURB INLETS, CATCH BASINS, AND MANHOLES ARE TOP OF CURB.
  - ALL CURBS SHALL BE BACKFILLED TO WITHIN 6 INCHES OF THE TOP OF CURB.
  - ALL BACK YARD SWALES SHALL BE CUT OR FILLED 6 INCHES BELOW FINISHED GRADE.
  - EXISTING DRAINAGE TILES ENCOUNTERED DURING CONSTRUCTION SHALL BE PRESERVED OR REPAIRED IN ACCORDANCE WITH SPECIFICATIONS.
  - T/F - INDICATES PROPOSED TOP OF FOUNDATION ELEVATIONS.
  - THE FINISHED TOPSOIL ELEVATION AT THE FOUNDATION SHOULD GENERALLY BE 0.7 FEET BELOW THE TOP OF FOUNDATION ELEVATION UNLESS INDICATED OTHERWISE.
  - D.S. - INDICATES DROP SIDING IS SUGGESTED TO MINIMIZE REAR YARD SLOPES. DROP SIDING CAN BE MODIFIED AS NECESSARY AS LONG AS POSITIVE DRAINAGE IS ACHIEVED.
  - INDICATES AVERAGE BUILDING PRODUCT ENVELOPE. (SEE MASS EARTHWORK SECTION FOR BUILDING PAD DETAILS.)
  - ACCENTED SIDES OF PROPOSED HOUSE FOUNDATIONS ARE INTENDED TO INDICATE THE APPROXIMATE LOCATION WHERE A LOOK-OUT OR WALK-OUT BASEMENT MAY BE CONSTRUCTED OR TO INDICATE THAT SPECIAL CONSTRUCTION MEASURES MUST BE EMPLOYED IN ORDER TO MINIMIZE SIDE YARD, REAR YARD AND/OR FRONT YARD GRADIENTS (E.G. DROPPED SIDING, STEPPED FOUNDATION, RETAINING WALL, ETC.) - SEE NOTES ABOVE FOR FURTHER DETAILS.
  - WATERMAIN PROTECTION (SEE SHEETS 2, 3 & 4 FOR DETAILS.)
  - INDICATES THE LOCATION AND DIRECTION OF OVERLAND DRAINAGE, ASSUMING STORM SEWER IS FULL OR IS BLOCKED, THAT MUST BE RESPECTED IN ALL FINAL GRADING OPERATIONS (SEE DETAIL.)
  - DENOTES AREA WHERE GRANULAR TRENCH BACKFILL IS REQUIRED.
  - INDICATES EXISTING ELEVATION.
  - DENOTES EXISTING UTILITY TO BE REMOVED.
  - INDICATES BITUMINOUS PATH.
  - INDICATES DEPRESSED CURB.
  - INDICATES B 6.12 CURB & GUTTER.
  - INDICATES M 3.12 CURB & GUTTER.
  - APPROXIMATE SCANNED LIMITS OF FLOODPLAIN PER FIRM MAP
  - APPROXIMATE LIMITS OF FLOODPLAIN AS PLOTTED PER TOPO
  - APPROXIMATE LIMITS OF FLOODWAY PER FIRM MAP
  - DENOTES WHERE SIDEWALK IS LOWER THAN CURB
  - DENOTES DETECTABLE WARNING STRIP



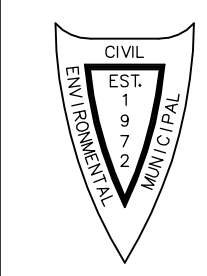
Sanitary Manhole 4' Dia.  
Ty A w/Ty. 1 F & G  
Rim=(816.05)  
Inv=(808.45) N-S  
Inv=(808.40) E

Sanitary Manhole 4' Dia.  
Ty A w/Ty. 1 F & G  
Rim=(817.08)  
Inv=(809.48) N  
Inv=(809.53) S



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PREPARED FOR:  
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1900 E. GOLF ROAD, SUITE 300  
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2280 White Oak Circle, Suite 100  
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NO.	DATE	DESCRIPTION	NO.	DATE	DESCRIPTION

**DRAINAGE AND GRADING PLAN**  
**WISE COMMONS**

FILE NAME: OVRGRADE	DSGN. BY: CRM	JOB NO.: 402,161	FLD. BK./PG.: N/A	SHEET NO.
DIR: 402161	DRN. BY: LAL	DATE: 08-27-24	SCALE: 1" = 30'	11 of 27

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STORMWATER MANAGEMENT FACILITY NO. 001  
 N.W.L. = 810.0  
 H.W.L. = 811.4  
 STORMWATER STORAGE REQUIRED = 0.69 Ac-FT  
 STORMWATER STORAGE PROVIDED = 0.81 Ac-FT

VOLUME CONTROL REQUIRED = 0.20 Ac-FT  
 VOLUME CONTROL PROVIDED = 0.20 Ac-FT

STA. 16+45.4, 21.5' RT.  
 CATCH BASIN NO. 13  
 TY. A w/R-350IP FR. & GR.  
 RIM = (T/C) 812.9  
 INV. = 809.70

PLAYGROUND (SEE LANDSCAPE PLANS FOR DETAILS)

40 L.F.-12" R.C.P.  
 TY. 1 @ 1.00%

STA. 15+74.6, 30.8' RT.  
 STM. MH. NO. 12  
 TY. A w/TY. 1 FR. & C.L.  
 RIM = 813.2  
 INV. = 809.30

PROPOSED FENCE (SEE LANDSCAPE PLANS FOR DETAILS)

62 L.F.-12" R.C.P.  
 TY. 1 @ 1.00%

INLET NO. 5  
 TY. A w/TY. 8 GR.  
 RIM = 811.5  
 INV. = 808.00

64 L.F.-12" R.C.P.  
 TY. 1 @ 0.50%

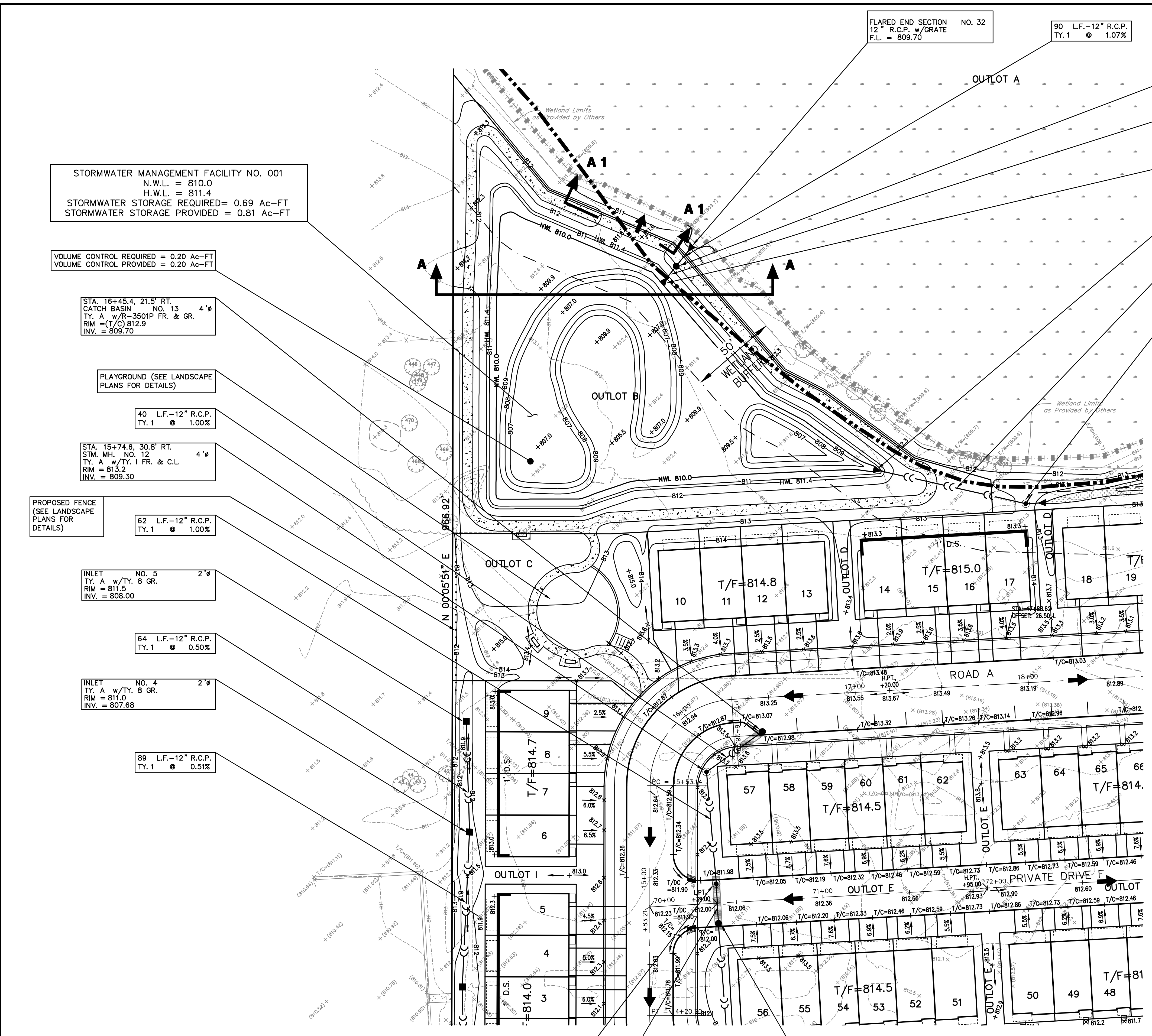
INLET NO. 4  
 TY. A w/TY. 8 GR.  
 RIM = 811.0  
 INV. = 807.68

89 L.F.-12" R.C.P.  
 TY. 1 @ 0.51%

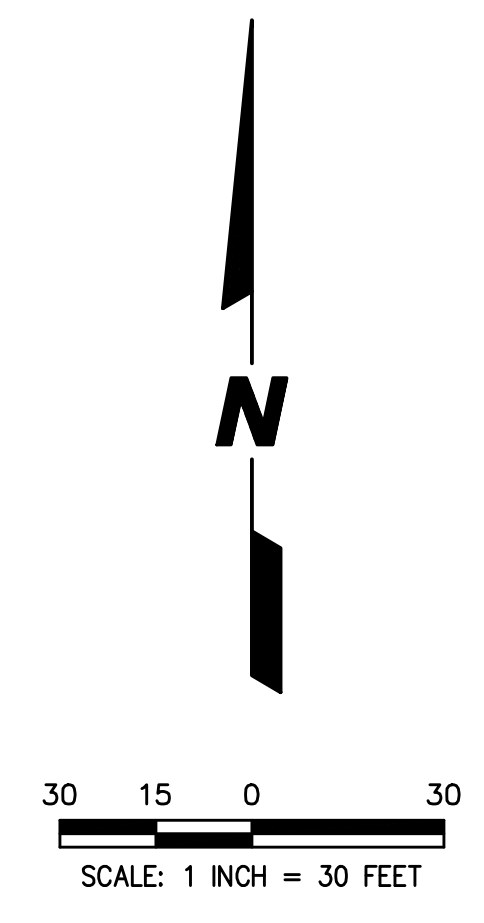
STA. 70+39.0, 13.5' LT.  
 STM. MH. NO. 11  
 TY. A w/R-350IP FR. & GR.  
 RIM = (T/C) 811.9  
 INV. = 808.68

27 L.F.-12" R.C.P.  
 TY. 1 @ 1.00%

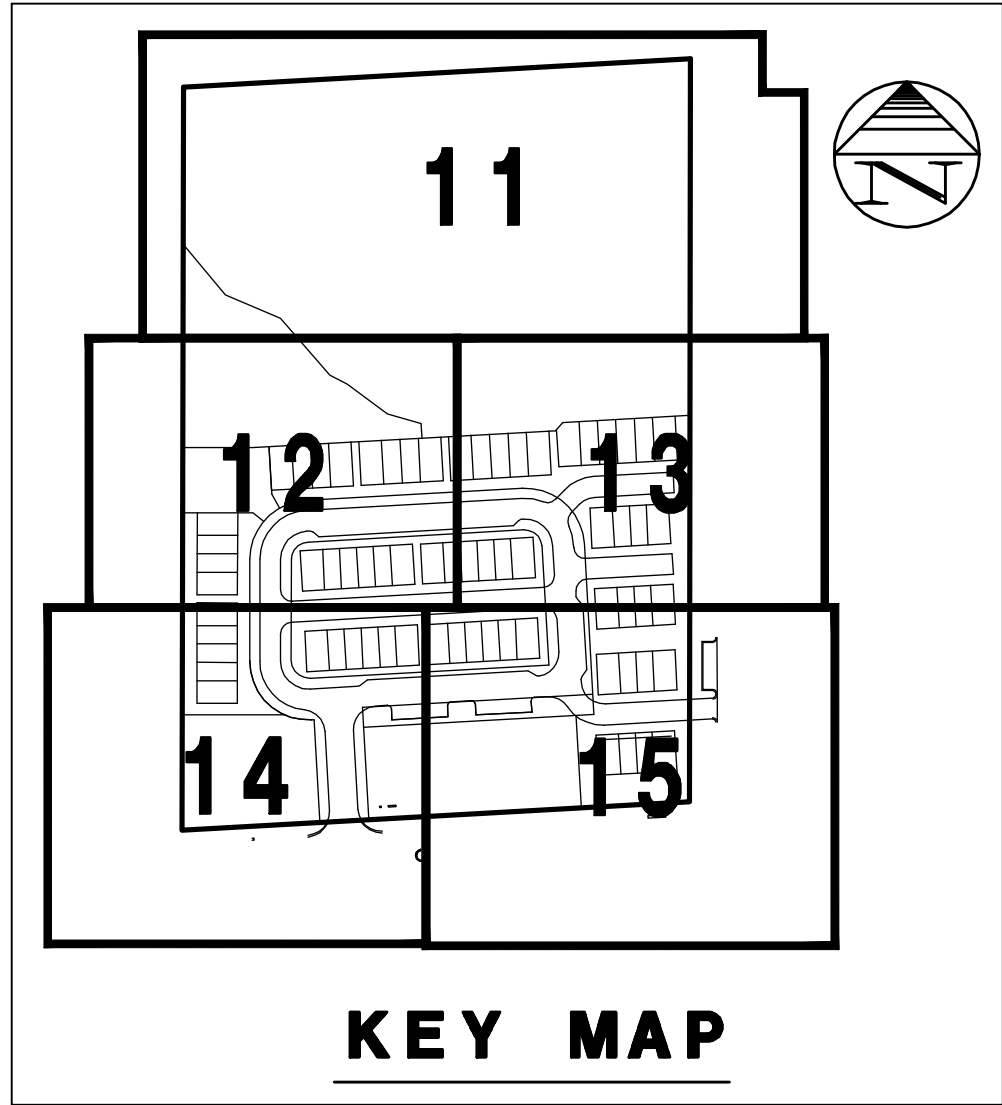
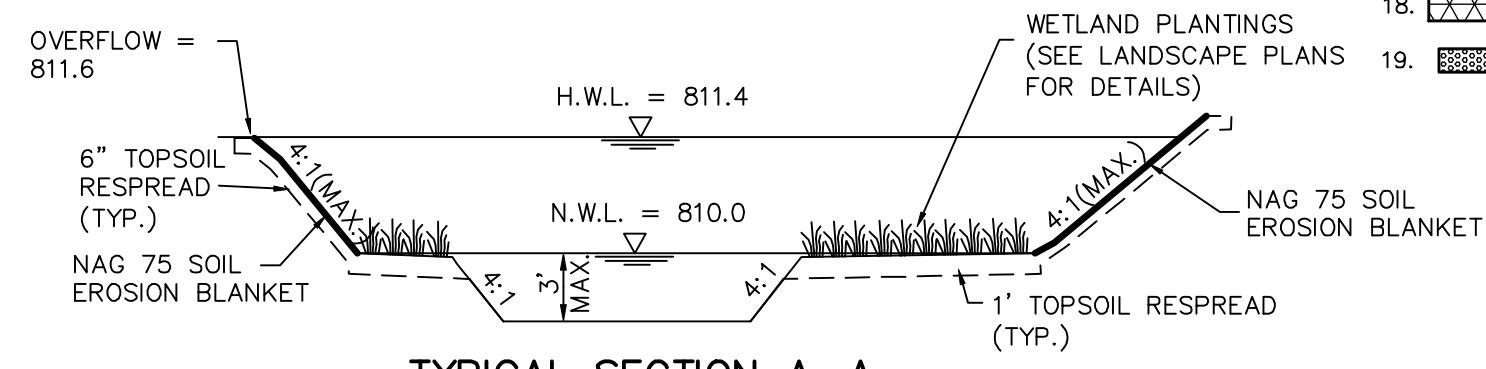
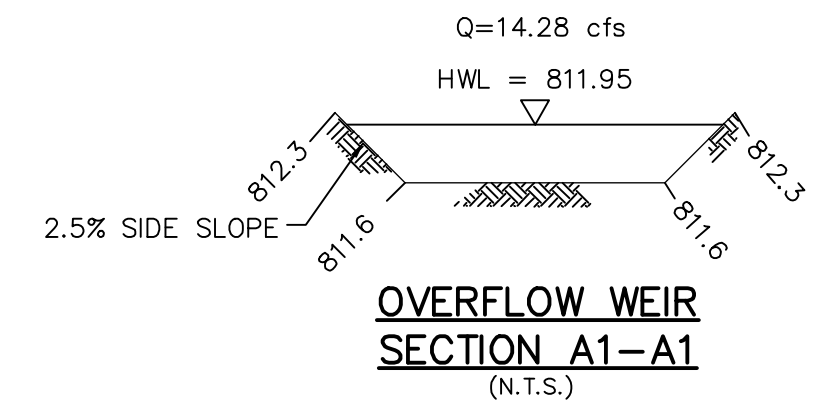
STA. 70+39.0, 13.5' RT.  
 CATCH BASIN NO. 10  
 TY. A w/R-350IP FR. & GR.  
 RIM = (T/C) 811.8  
 INV. = 808.41



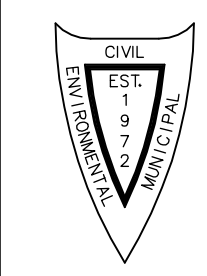
- FLARED END SECTION NO. 32  
12" R.C.P. w/GRATE  
F.L. = 809.70
- 90 L.F.-12" R.C.P.  
TY. 1 @ 1.07%
- CATCH BASIN NO. 42  
6' x 4'  
TY. A w/R-3.5" RESTRICTOR  
w/TY. 1 FR. & C.L.  
RIM = 812.3  
INV. = 810.00  
(SEE DRAINAGE STRUCTURE DETAILS)
- 13 L.F.-12" R.C.P.  
TY. 1 @ 0.00%
- FLARED END SECTION NO. 43  
12" R.C.P. w/GRATE  
F.L. = 810.00
- FLARED END SECTION NO. 33  
12" R.C.P. w/GRATE  
F.L. = 810.00
- 90 L.F.-12" R.C.P.  
TY. 1 @ 0.22%
- STM. MH. NO. 32  
4' x 4'  
TY. A w/TY. 1 FR. & C.L.  
RIM = 813.1  
INV. = 810.20



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  10. - WATERMAIN PROTECTION (SEE SHEETS 2, 3 & 4 FOR DETAILS.)
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  12. - DENOTES AREA WHERE GRANULAR TRENCH BACKFILL IS REQUIRED.
  13. - INDICATES EXISTING ELEVATION.
  14. - DENOTES EXISTING UTILITY TO BE REMOVED.
  15. - INDICATES BITUMINOUS PATH.
  16. - INDICATES DEPRESSED CURB.  
 - INDICATES 6.12 CURB & GUTTER.  
 - INDICATES 3.12 CURB & GUTTER.
  17. - APPROXIMATE SCANNED LIMITS OF FLOODPLAIN PER FIRM MAP  
 - APPROXIMATE LIMITS OF FLOODPLAIN AS PLOTTED PER TOPO  
 - APPROXIMATE LIMITS OF FLOODWAY PER FIRM MAP
  18. - DENOTES WHERE SIDEWALK IS LOWER THAN CURB
  19. - DENOTES DETECTABLE WARNING STRIP



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**DRAINAGE AND GRADING PLAN**  
**WISE COMMONS**

FILE NAME: OVRGRADE	DSGN. BY: CRM	JOB NO.: 402161	FLD. BK./PG.: N/A	SHEET NO.
DIR: 402161	DRN. BY: LAL	DATE: 08-27-24	SCALE: 1" = 30'	12 of 27

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 1900 E. GOLF ROAD, SUITE 300  
 SCHAUMBURG, IL 60173  
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 Aurora, Illinois 60502-9675  
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NO.		DATE		DESCRIPTION	

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- APPROXIMATE LIMITS OF FLOODWAY PER FIRM MAP
- DENOTES WHERE SIDEWALK IS LOWER THAN CURB
- DENOTES DETECTABLE WARNING STRIP

SCALE: 1 INCH = 30 FEET  
 NORTH ARROW

**NORTHEAST CORNER - BIOTRETENTION FACILITY**

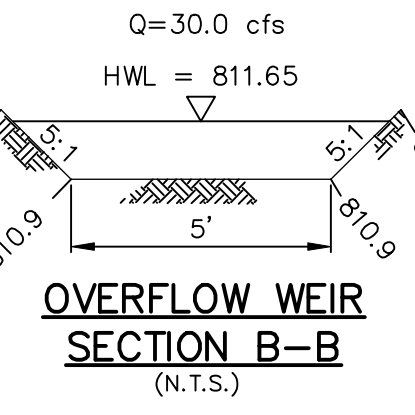
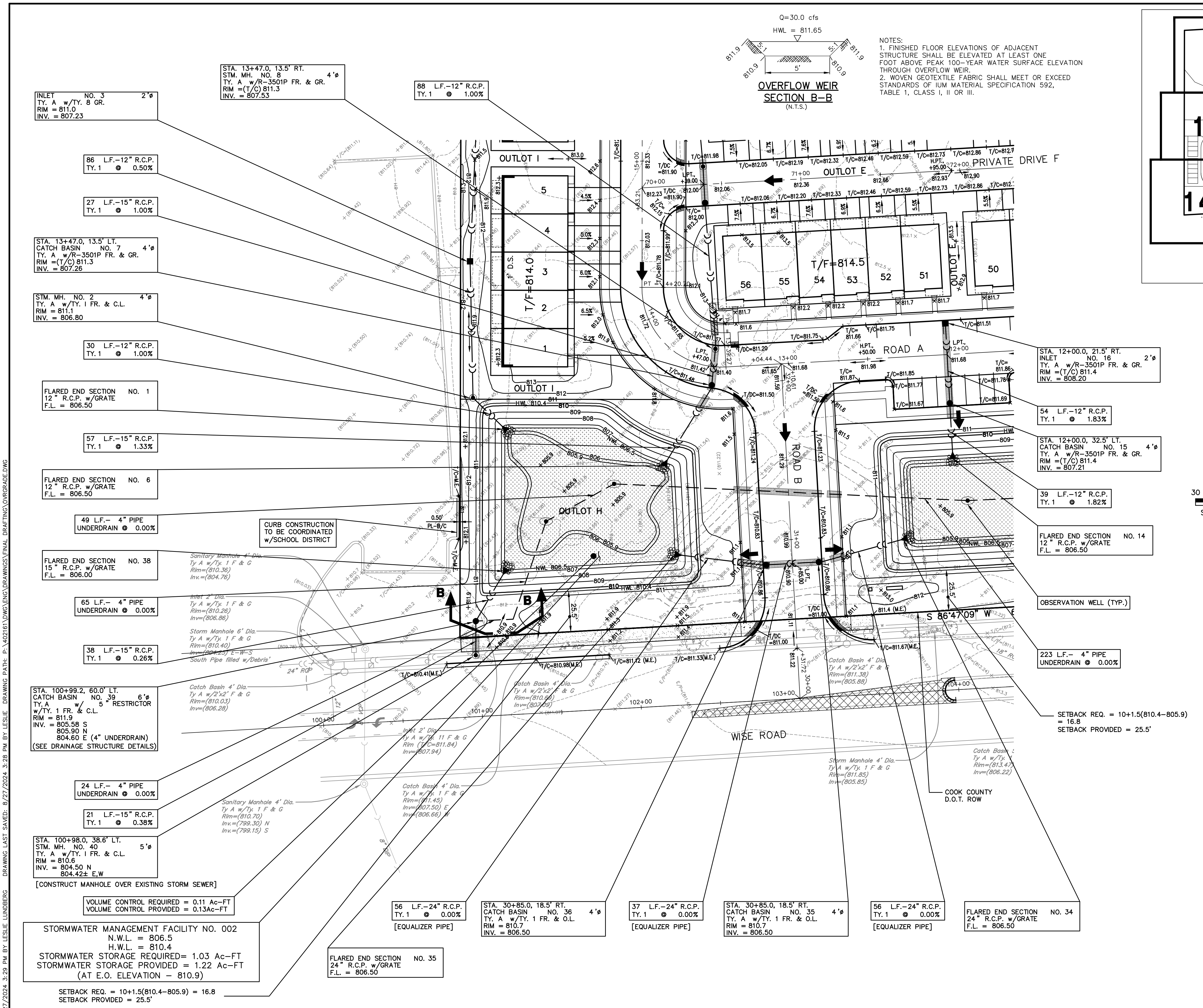
VOLUME TYPE	SURFACE AREA	DEPTH	POROSITY	STORAGE VOLUME	VOLUME PROVIDED
V <sub>1</sub> SURFACE STORAGE	4,280 S.F.	6 IN.	1.00	1.00 X V <sub>1</sub>	2,140 C.F.
V <sub>2</sub> SOIL MEDIA MIX	5,118 S.F.	18 IN.	0.25	0.50 X 0.25 X V <sub>2</sub>	900 C.F.
V <sub>3</sub> COARSE AGGREGATE (ABOVE INVERT)	5,118 S.F.	4 IN.	0.36	0.50 X 0.36 X V <sub>3</sub>	307 C.F.
V <sub>4</sub> COARSE AGGREGATE (BELOW INVERT)	5,118 S.F.	2 IN.	0.36	0.36 X V <sub>4</sub>	307 C.F.
<b>TOTAL</b>					<b>3,711 C.F. = 0.085 AC-FT</b>

NOTES:  
 1. THE PERIMETER OF THE VOLUME CONTROL FACILITY SHALL MAINTAIN THE MINIMUM HORIZONTAL SEPARATION DISTANCE OF 10 FEET FROM FOUNDATIONS, UNLESS WATERPROOFED, 20 FEET FROM ROADWAY GRAVEL SHOULDER, AND 100 FEET FROM POTABLE WATER WELLS, SEPTIC TANK FIELDS, OR OTHER UNDERGROUND TANKS.  
 2. SANITARY OR COMBINED SEWERS SHALL NOT BE LOCATED WITHIN THE VOLUME CONTROL FACILITY. SANITARY OR COMBINED SEWERS SHALL NOT BE LOCATED BELOW THE FOOTPRINT OF THE VOLUME CONTROL FACILITY. WHEN LOCAL CONDITIONS PREVENT THE SEWER FROM BEING LOCATED OUTSIDE THE FOOTPRINT OF THE FACILITY THE SEWER SHALL BE CONSTRUCTED UNDER THE MAIN QUALITY STANDARDS, OR IT SHALL BE ENGAGED WITH A WATER MAIN QUALITY CARRIER WITH THE ENDS SEALED.  
 3. AVOID INSTALLATION ON SLOPES GREATER THAN 3.0%. AVOID CORRECTING NATIVE SOILS. SOAKAWAY ANY COMPACTED SOIL. GEOTEXTILE FABRIC SHALL MEET REQUIREMENTS OF BIRM MATERIAL SPECIFICATION 992. FOR WOODEN, APPARENT OPENING SIZE OF 2.50 MM (TABLE 1, CLASS 1). FOR NON WOODEN, APPARENT OPENING SIZE OF 0.30 MM (TABLE 2, CLASS 2).  
 4. STONE STORAGE OPTIONS ARE (DOT CA-1, CA-2, CA-3, CA-7), DISTRICT VULCAN FOK, OR APPROVED ALTERNATE. NO RECYCLED MATERIALS.  
 5. MINIMUM DISTANCE OF 2 FEET (3.5 FEET IN COMBINED SEWER AREAS) BETWEEN BOTTOM OF BMP AND SEASONALLY HIGH GROUNDWATER LEVEL.  
 6. UNDERDRAINS ARE REQUIRED IN TYPICAL CLAYEY SOILS WHERE INFILTRATION RATES ARE LESS THAN 0.5 INCH/HR. NO MORE THAN 1 UNDERDRAIN EVERY 30 FEET ON CENTER. PROVIDE A SOIL REPORT DOCUMENTING NATIVE INFILTRATION RATE TO FOREGO UNDERDRAINS. NO FILTER FABRIC COVER/DOCK.  
 7. MINIMUM UNDERDRAIN BEDDING OF 2 INCHES. MAXIMUM OF 12 INCHES.  
 8. MULCH LAYER SHALL BE HARDWOOD MULCH OR OTHER NON-FLOATING GROUND COVER.  
 9. FOLLOW THE REQUIRED PRETREATMENT MEASURES LISTED ON THE VOLUME CONTROL PRETREATMENT MEASURES DETAIL.  
 10.

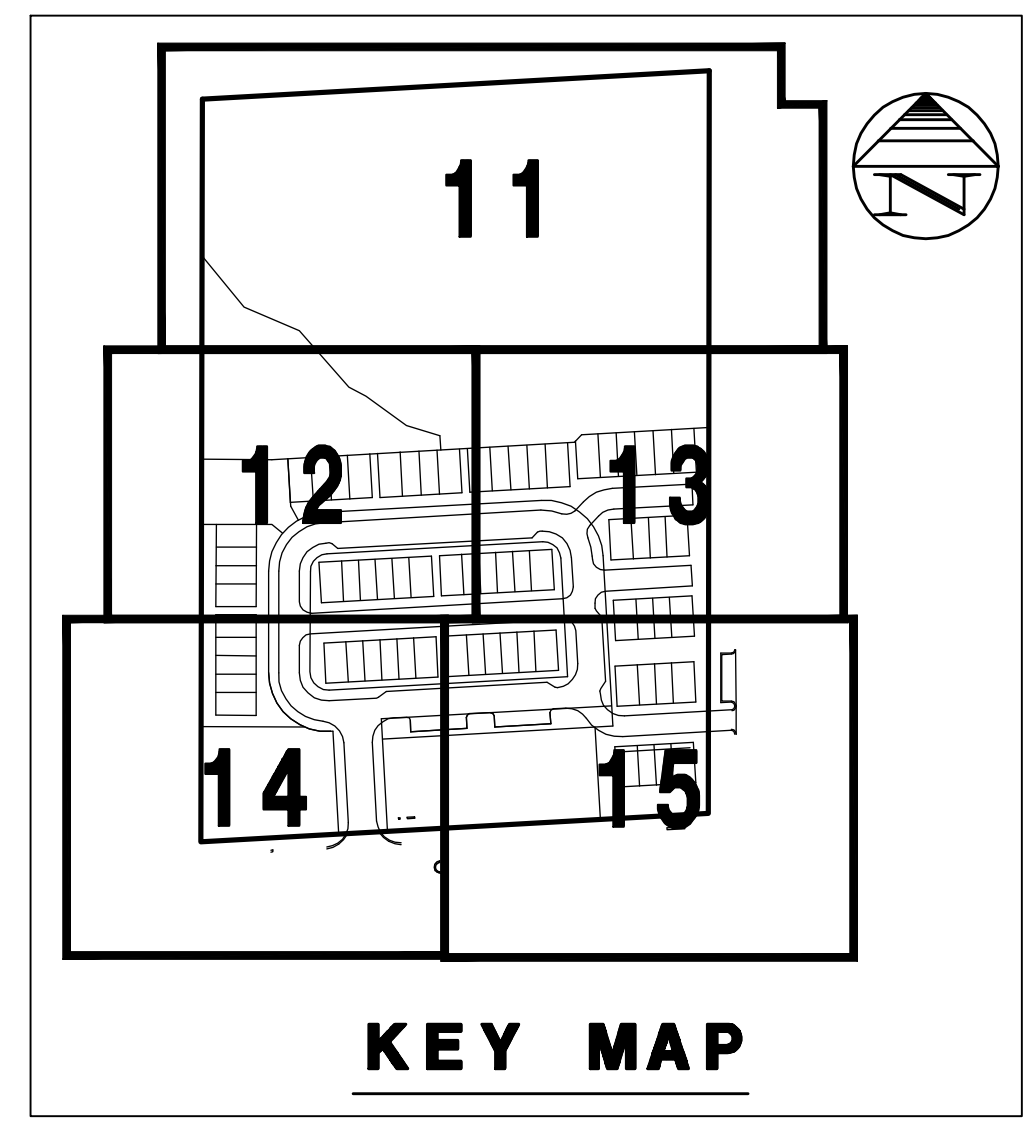
TECHNICAL GUIDANCE MANUAL  
 BIOTRETENTION FACILITY DETAIL  
 NOT TO SCALE  
 DATE: 08/27/24  
 DRAWN BY: LAL

**KEY MAP**

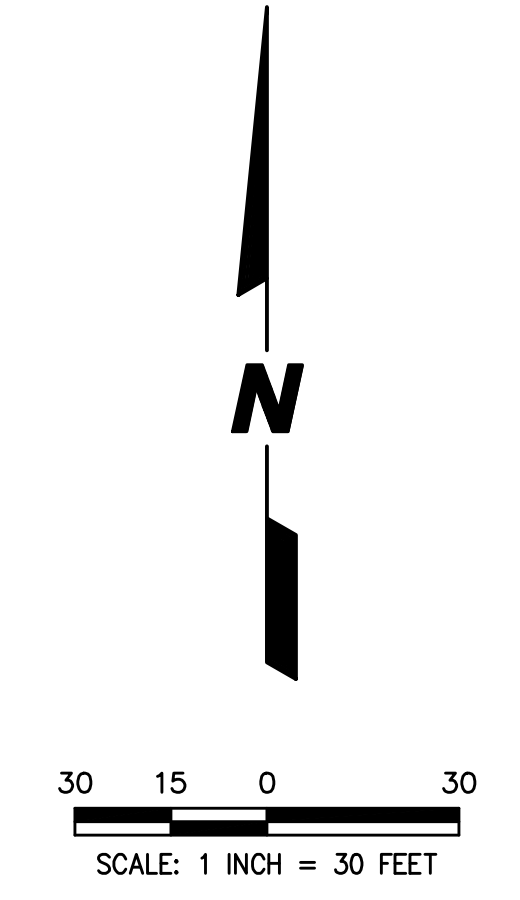
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NOTES:  
 1. FINISHED FLOOR ELEVATIONS OF ADJACENT STRUCTURE SHALL BE ELEVATED AT LEAST ONE FOOT ABOVE PEAK 100-YEAR WATER SURFACE ELEVATION THROUGH OVERFLOW WEIR.  
 2. WOVEN GEOTEXTILE FABRIC SHALL MEET OR EXCEED STANDARDS OF IUM MATERIAL SPECIFICATION 592, TABLE 1, CLASS I, II OR III.

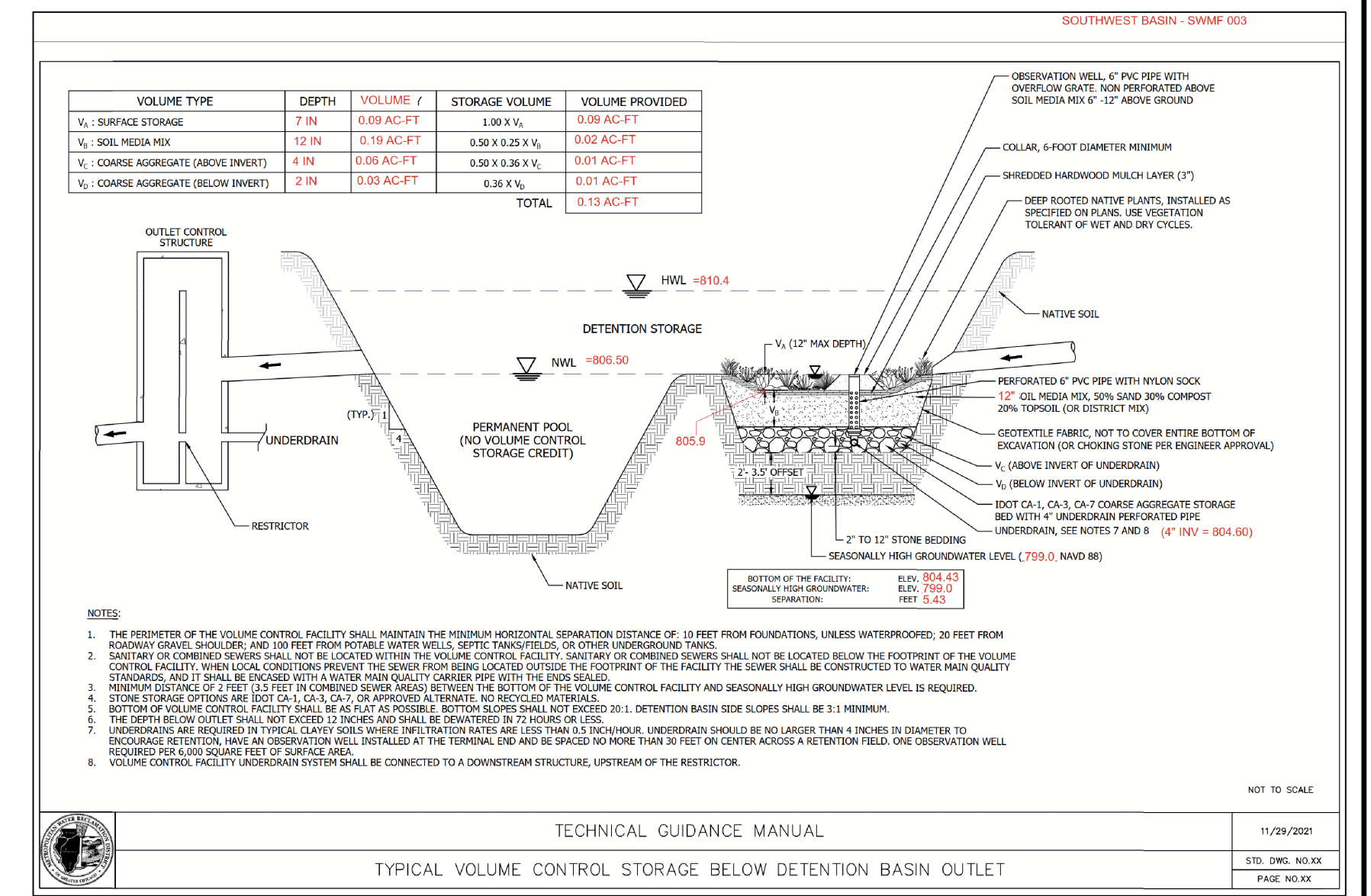


- DRAINAGE & GRADING NOTES**
- ELEVATIONS SHOWN FOR ALL CURB INLETS, CATCH BASINS, AND MANHOLES ARE TOP OF CURB.
  - ALL CURBS SHALL BE BACKFILLED TO WITHIN 6 INCHES OF THE TOP OF CURB.
  - ALL BACK YARD SWALES SHALL BE CUT OR FILLED 6 INCHES BELOW FINISHED GRADE.
  - EXISTING DRAINAGE TILES ENCOUNTERED DURING CONSTRUCTION SHALL BE PRESERVED OR REPAIRED IN ACCORDANCE WITH SPECIFICATIONS.
  - T/F - INDICATES PROPOSED TOP OF FOUNDATION ELEVATIONS.
  - THE FINISHED TOPSOIL ELEVATION AT THE FOUNDATION SHOULD GENERALLY BE 0.7 FEET BELOW THE TOP OF FOUNDATION ELEVATION UNLESS INDICATED OTHERWISE.
  - D.S. - INDICATES DROP SIDING IS SUGGESTED TO MINIMIZE REAR YARD SLOPES. DROP SIDING CAN BE MODIFIED AS NECESSARY AS LONG AS POSITIVE DRAINAGE IS ACHIEVED.
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  - WATERMAIN PROTECTION (SEE SHEETS 2, 3 & 4 FOR DETAILS.)
  - INDICATES THE LOCATION AND DIRECTION OF OVERLAND DRAINAGE, ASSUMING STORM SEWER IS FULL OR IS BLOCKED, THAT MUST BE RESPECTED IN ALL FINAL GRADING OPERATIONS (SEE DETAIL).
  - DENOTES AREA WHERE GRANULAR TRENCH BACKFILL IS REQUIRED.
  - INDICATES EXISTING ELEVATION.
  - DENOTES EXISTING UTILITY TO BE REMOVED.
  - INDICATES BITUMINOUS PATH.
  - DENOTES DEPRESSED CURB.  
INDICATES B 6.12 CURB & GUTTER.  
INDICATES M 3.12 CURB & GUTTER.
  - APPROXIMATE SCANNED LIMITS OF FLOODPLAIN PER FIRM MAP  
APPROXIMATE LIMITS OF FLOODPLAIN AS PLOTTED PER TOPO  
APPROXIMATE LIMITS OF FLOODWAY PER FIRM MAP
  - DENOTES WHERE SIDEWALK IS LOWER THAN CURB
  - DENOTES DETECTABLE WARNING STRIP



**COOK COUNTY NOTES:**

- TRENCH BACKFILL MEETING THE REQUIREMENTS OF ARTICLE 208.02 OF THE IDOT STANDARD SPECIFICATIONS ARE REQUIRED FOR ANY OPEN TRENCHES WITHIN THE COUNTY ROW.
- ALL DISTURBED AREAS WITHIN COOK COUNTY ROW ARE TO BE RESTORED WITH 4" TOPSOIL AND SOD.



INLET NO. 3  
 TY. A w/Ty. 8 GR.  
 RIM = 811.0  
 INV. = 807.23

88 L.F.-12" R.C.P.  
 TY. 1 @ 1.00%

STA. 13+47.0, 13.5' RT.  
 STM. MH. NO. 8  
 TY. A w/R-3501P FR. & GR.  
 RIM = (T/C) 811.3  
 INV. = 807.53

86 L.F.-12" R.C.P.  
 TY. 1 @ 0.50%

27 L.F.-15" R.C.P.  
 TY. 1 @ 1.00%

STA. 13+47.0, 13.5' LT.  
 CATCH BASIN NO. 7  
 TY. A w/R-3501P FR. & GR.  
 RIM = (T/C) 811.3  
 INV. = 807.26

STM. MH. NO. 2  
 TY. A w/Ty. 1 FR. & C.L.  
 RIM = 811.1  
 INV. = 806.80

30 L.F.-12" R.C.P.  
 TY. 1 @ 1.00%

FLARED END SECTION NO. 1  
 12" R.C.P. w/GRATE  
 F.L. = 806.50

57 L.F.-15" R.C.P.  
 TY. 1 @ 1.33%

FLARED END SECTION NO. 6  
 12" R.C.P. w/GRATE  
 F.L. = 806.50

49 L.F.- 4" PIPE  
 UNDERDRAIN @ 0.00%

FLARED END SECTION NO. 38  
 15" R.C.P. w/GRATE  
 F.L. = 806.00

65 L.F.- 4" PIPE  
 UNDERDRAIN @ 0.00%

38 L.F.-15" R.C.P.  
 TY. 1 @ 0.26%

STA. 100+99.2, 60.0' LT.  
 CATCH BASIN NO. 39  
 TY. A w/2'x2' F & G  
 5" RESTRICTOR  
 w/Ty. 1 FR. & C.L.  
 RIM = 811.9  
 INV. = 805.58 S  
 805.90 N  
 804.60 E (4" UNDERDRAIN)  
 (SEE DRAINAGE STRUCTURE DETAILS)

24 L.F.- 4" PIPE  
 UNDERDRAIN @ 0.00%

21 L.F.-15" R.C.P.  
 TY. 1 @ 0.38%

STA. 100+98.0, 38.6' LT.  
 STM. MH. NO. 40  
 TY. A w/Ty. 1 FR. & C.L.  
 RIM = 810.6  
 INV. = 804.50 N  
 804.42± E,W

[CONSTRUCT MANHOLE OVER EXISTING STORM SEWER]

VOLUME CONTROL REQUIRED = 0.11 Ac-FT  
 VOLUME CONTROL PROVIDED = 0.13Ac-FT

STORMWATER MANAGEMENT FACILITY NO. 002  
 N.W.L. = 806.5  
 H.W.L. = 810.4  
 STORMWATER STORAGE REQUIRED = 1.03 Ac-FT  
 STORMWATER STORAGE PROVIDED = 1.22 Ac-FT  
 (AT E.O. ELEVATION - 810.9)

SETBACK REQ. = 10+1.5(810.4-805.9) = 16.8  
 SETBACK PROVIDED = 25.5'

56 L.F.-24" R.C.P.  
 TY. 1 @ 0.00%  
 [EQUALIZER PIPE]

STA. 30+85.0, 18.5' RT.  
 CATCH BASIN NO. 36  
 TY. A w/Ty. 1 FR. & O.L.  
 RIM = 810.7  
 INV. = 806.50

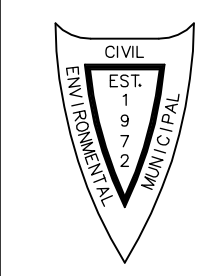
37 L.F.-24" R.C.P.  
 TY. 1 @ 0.00%  
 [EQUALIZER PIPE]

STA. 30+85.0, 18.5' RT.  
 CATCH BASIN NO. 35  
 TY. A w/Ty. 1 FR. & O.L.  
 RIM = 810.7  
 INV. = 806.50

56 L.F.-24" R.C.P.  
 TY. 1 @ 0.00%  
 [EQUALIZER PIPE]

FLARED END SECTION NO. 34  
 24" R.C.P. w/GRATE  
 F.L. = 806.50

PREPARED FOR:  
**PULTE HOME COMPANY, LLC**  
 1900 E. GOLF ROAD, SUITE 300  
 SCHAUMBURG, IL 60173  
 (847) 230-5400

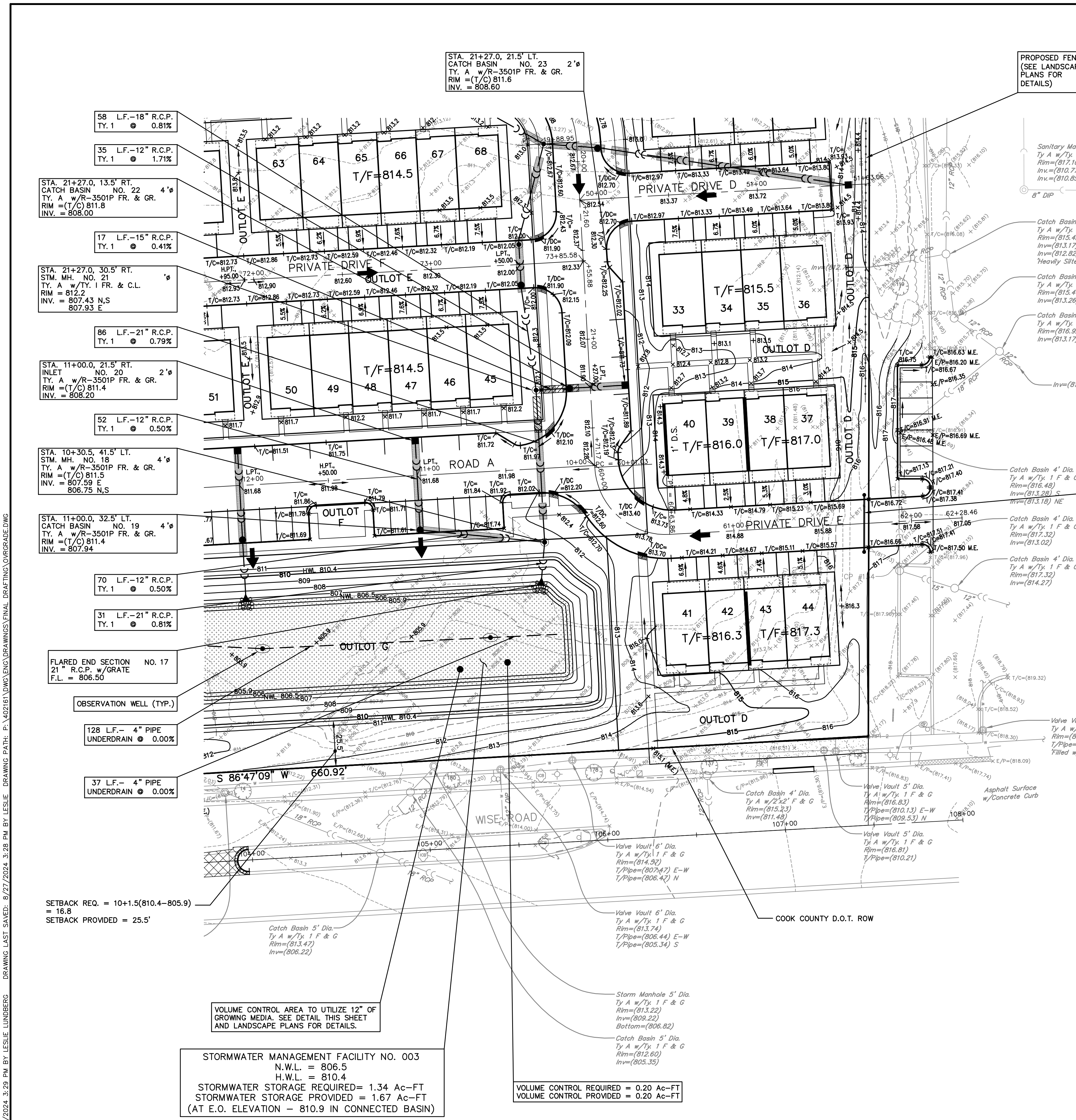


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 Consulting Engineers, Land Surveyors & Planners  
 2280 White Oak Circle, Suite 100  
 Aurora, Illinois 60502-9675  
 Ph: 630.862.2100 Fax: 630.862.2199  
 E-Mail: info@cemcon.com Website: www.cemcon.com

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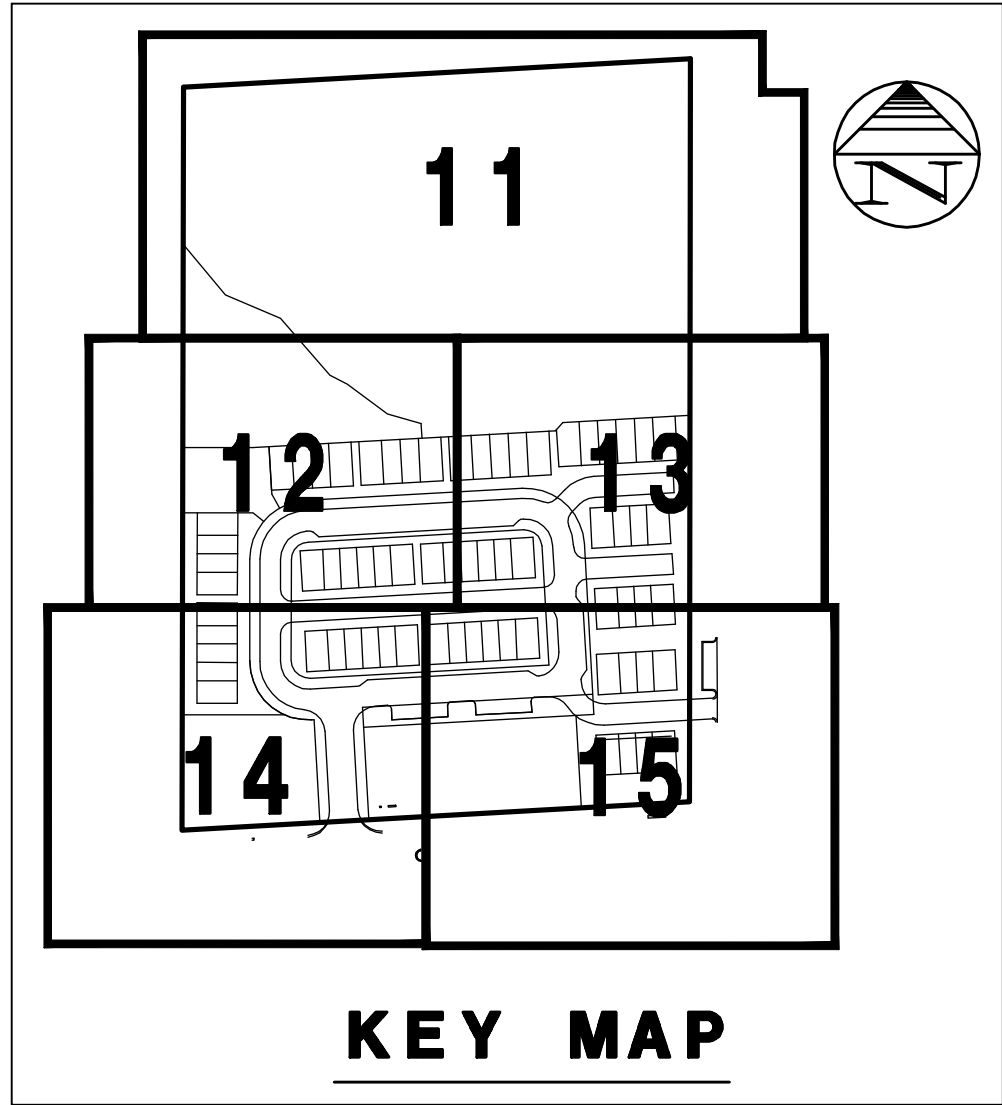
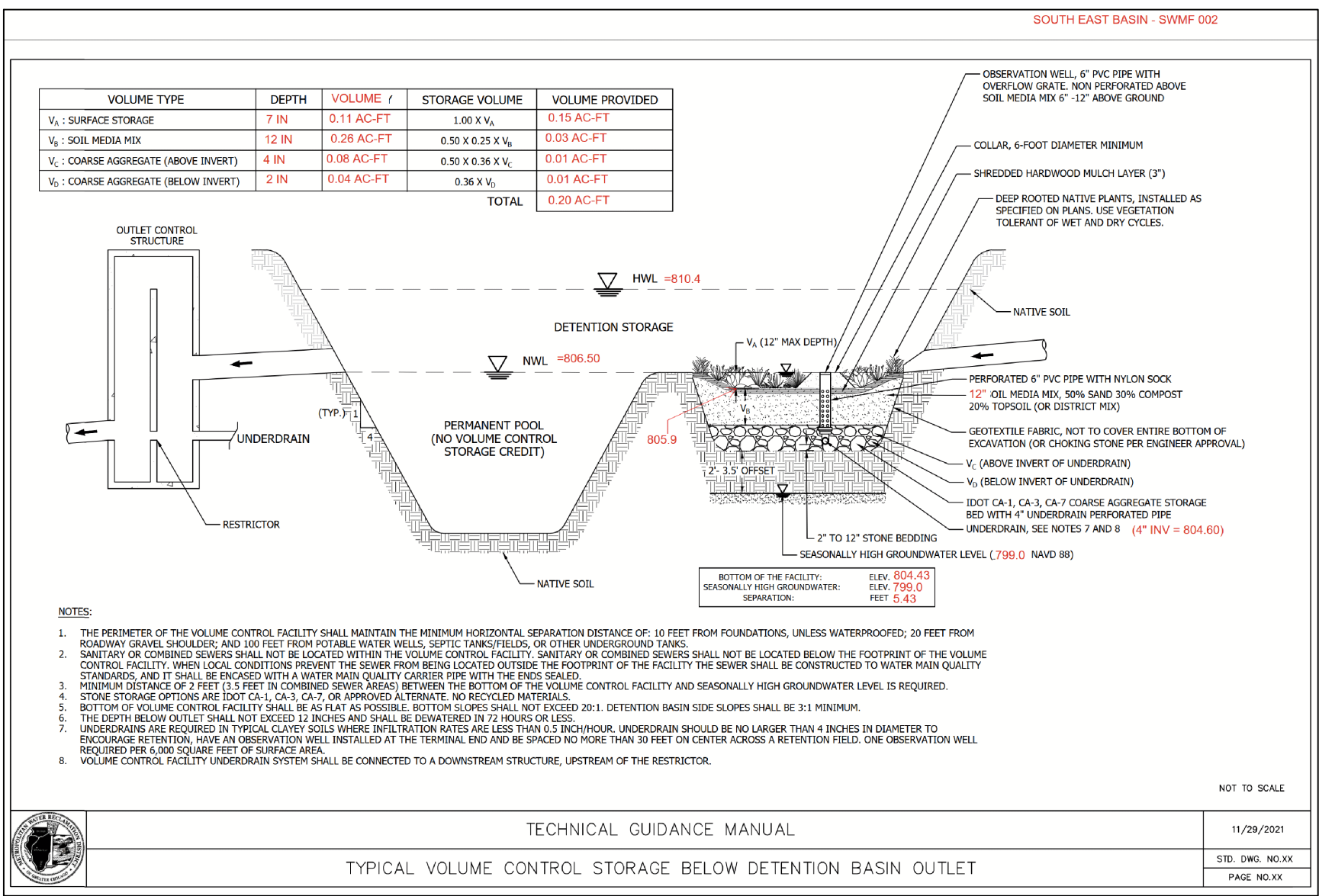
**DRAINAGE AND GRADING PLAN**  
**WISE COMMONS**

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 DIR: 402161 DRN. BY: LAL DATE: 08-27-24 SCALE: 1" = 30'



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 (847) 230-5400

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 2280 White Oak Circle, Suite 100  
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 Ph: 630.862.2100 Fax: 630.862.2199  
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REVISIONS		REVISIONS			
NO.	DATE	DESCRIPTION	NO.	DATE	DESCRIPTION

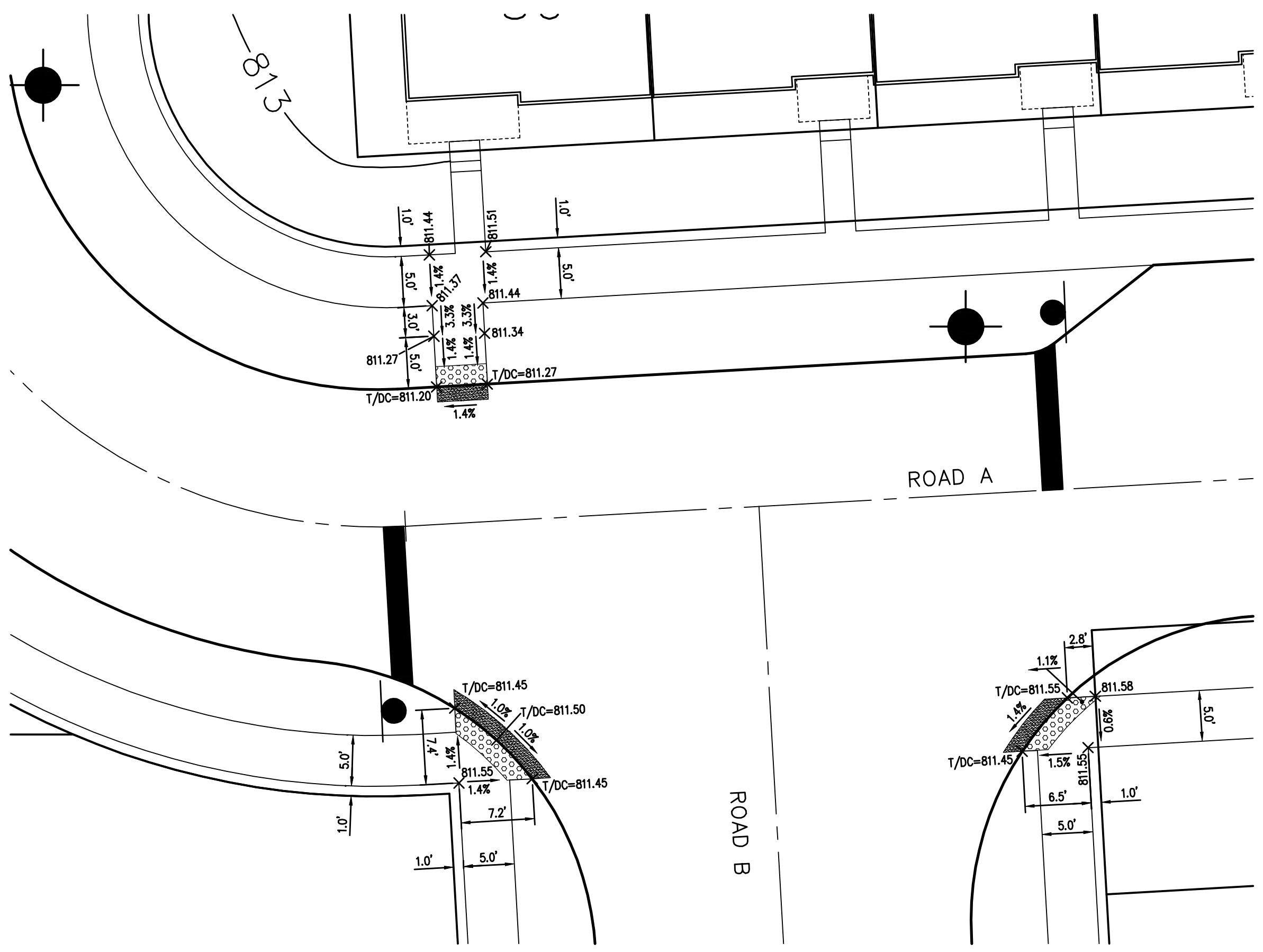
**DRAINAGE AND GRADING PLAN**

**WISE COMMONS**

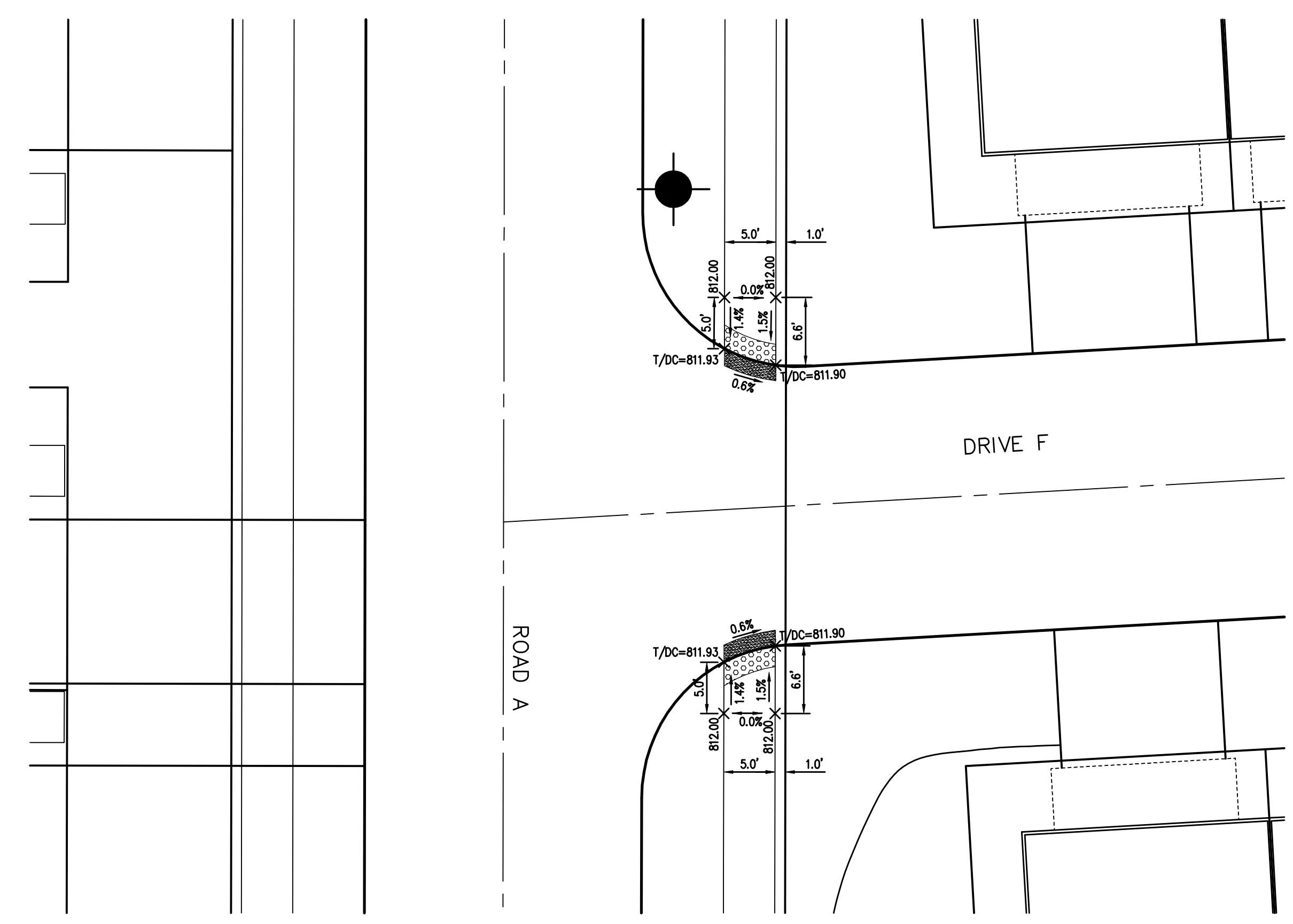
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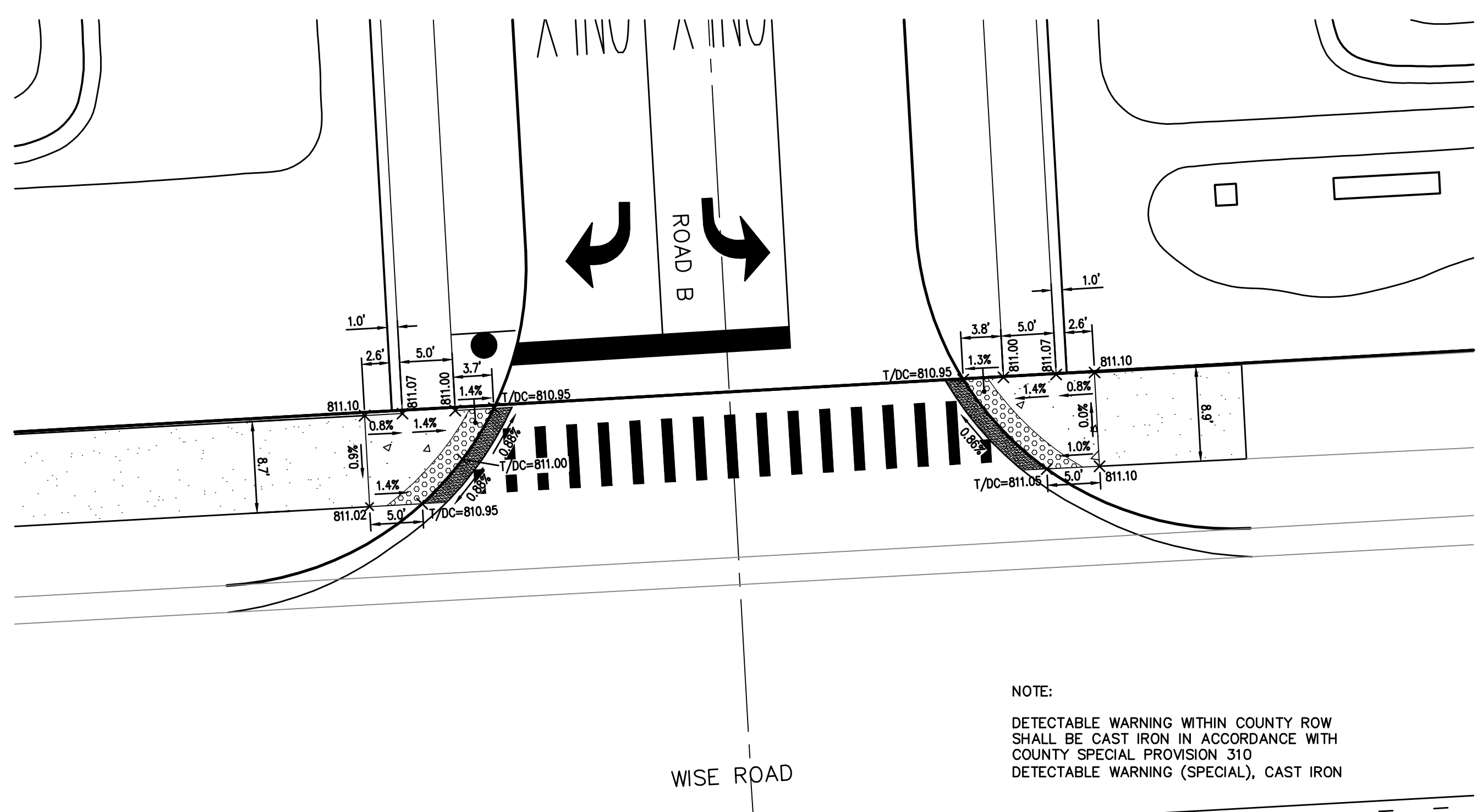
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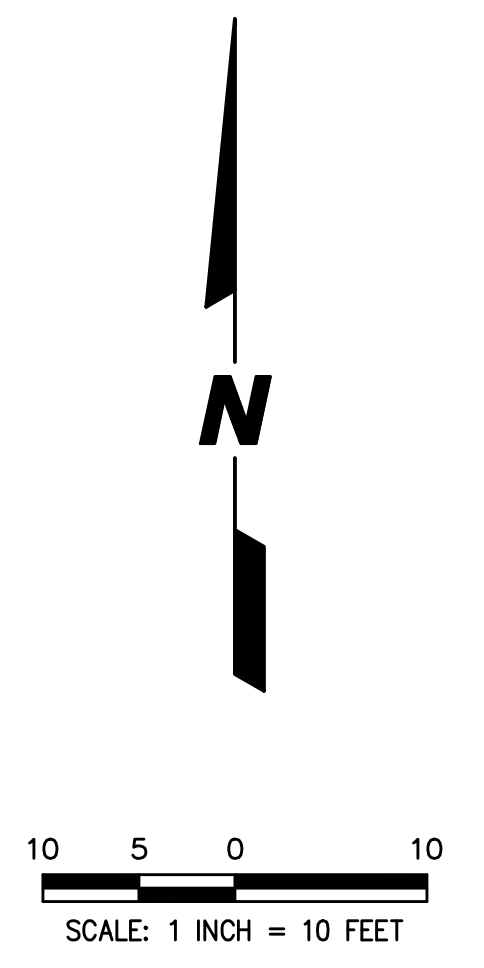
**2** ROAD A AND ROAD B



**3** ROAD A AND PRIVATE DRIVE F

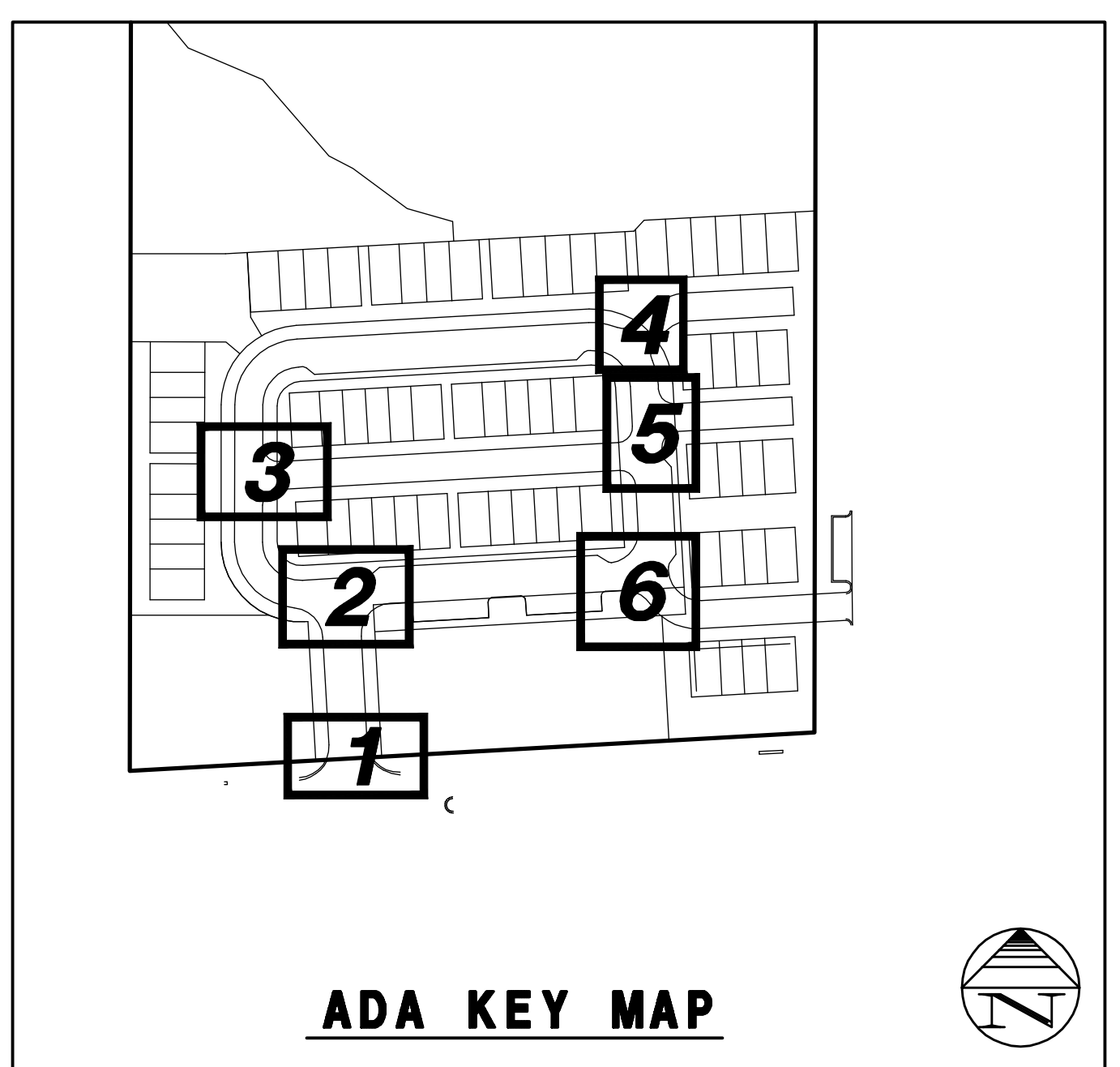


**1** ROAD B AND WISE ROAD

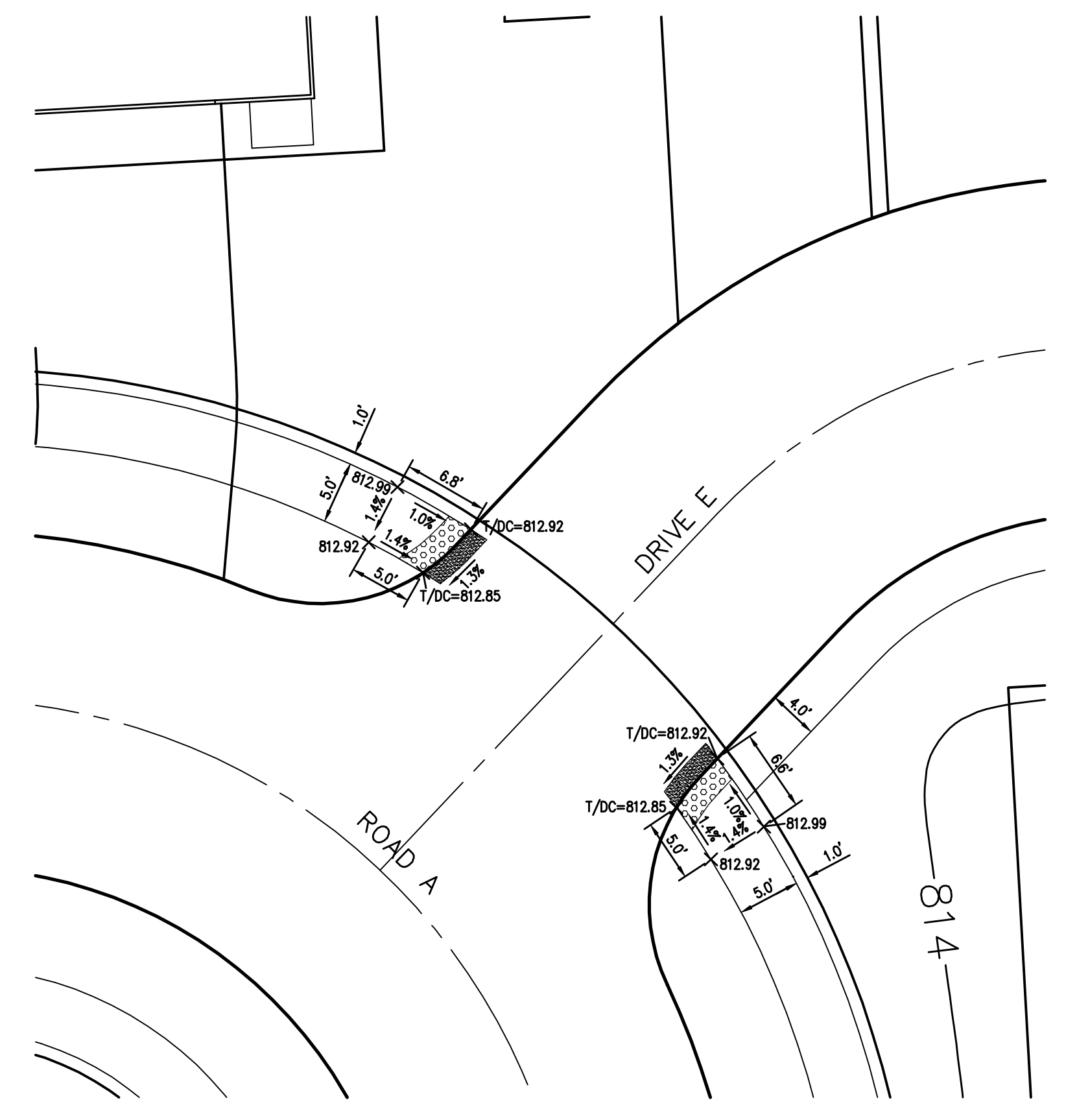


**LEGEND**

- INDICATES TYPE M-3.12 CURB & GUTTER
- ▨ INDICATES DETECTABLE WARNING STRIP
- ▩ INDICATES DEPRESSED CURB



**ADA KEY MAP**

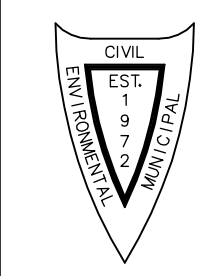


**4** ROAD A AND PRIVATE DRIVE E

NOTE:  
 DETECTABLE WARNING WITHIN COUNTY ROW  
 SHALL BE CAST IRON IN ACCORDANCE WITH  
 COUNTY SPECIAL PROVISION 310  
 DETECTABLE WARNING (SPECIAL), CAST IRON

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REVISIONS					
NO.	DATE	DESCRIPTION	NO.	DATE	DESCRIPTION

ADA RAMP DETAILS				
WISE COMMONS				
FILE NAME: ADAWALK	DSGN. BY: CRM	JOB NO.: 402161	FLD. BK./PG.: N/A	SHEET NO.
DIR: 402161	DRN. BY: LAL	DATE: 08-27-24	SCALE: 1" = 10'	16 of 27