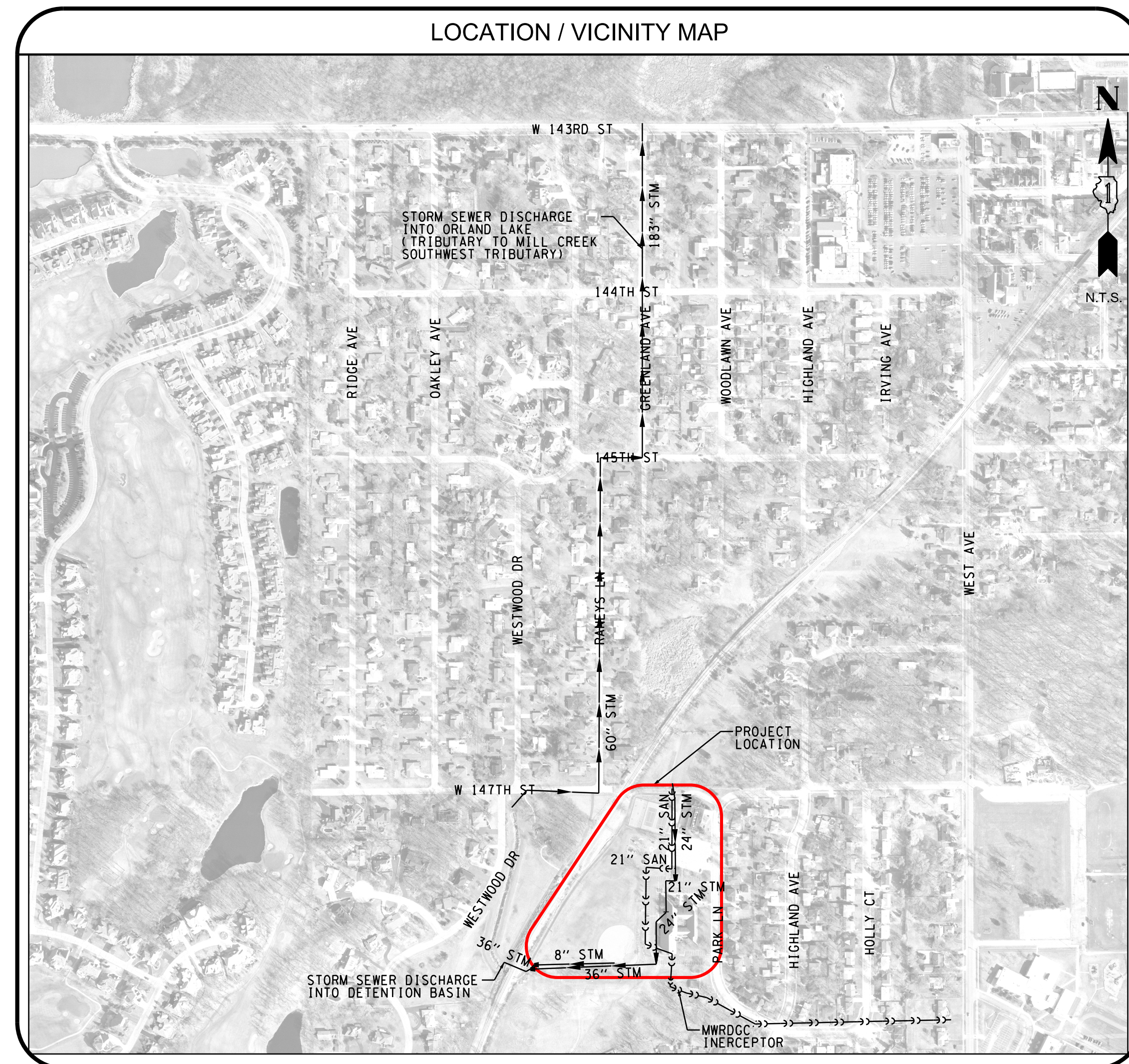


VILLAGE OF ORLAND PARK

DOOGAN PARK IMPROVEMENTS

EXHIBIT A - CONTRACT PLANS
RFP #26-020 - Doogan Park, Construction

INDEX	
SHEET NO.	SHEET TITLE
1	COVER SHEET
2	GENERAL NOTES
3	MWRD GENERAL NOTES
4	SUMMARY OF QUANTITIES
5	ALIGNMENT, TIES, AND BENCHMARKS
6	EXISTING AND PROPOSED TYPICAL SECTIONS
7-8	REMOVAL PLAN
9-10	PROPOSED SITE PLAN
11-13	GRADING PLAN
14	EARTHWORK TABLES
15	EARTHWORK LABELS
16	SOIL EROSION AND CONTROL PLAN
17-19	UTILITY PLAN
20-22	LANDSCAPE PLAN
23	PLAYGROUND DETAIL
24-25	LANDSCAPE DETAILS
26	DRAINAGE EXHIBIT
27	MAINTENANCE AND MONITORING PLAN
28-32	CONSTRUCTION DETAILS
33-34	SOIL EROSION AND CONTROL DETAILS



IDOT STANDARDS	
STANDARDS SYMBOLS, ABBREVIATIONS AND PATTERNS	STD. 000001-08
TEMPORARY EROSION CONTROL SYSTEMS	STD. 280001-07
FRAME AND LIDS TYPE 1	STD. 604001-05
CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER	STD. 606001-08
OFF-ROAD OPERATIONS - 2L, 2W, MORE THAN 15' AWAY	STD. 701001-02
OFF-RD OPERATIONS - 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE	STD. 701006-05
SIDEWALK, CORNER OR CROSSWALK CLOSURE	STD. 701801-06
TRAFFIC CONTROL DEVICES	STD. 701901-10
SIGN PANEL MOUNTING DETAILS	STD. 720001-01
SIGN PANEL ERECTION DETAILS	STD. 720006-04
METAL POSTS FOR SIGNS, MARKERS, & DELINEATORS	STD. 720011-01
TRAFFIC CONTROL DEVICES - DAY LABOR CONSTRUCTION	BLR17-4
TRAFFIC CONTROL DEVICES - DAY LABOR MAINTENANCE	BLR18-6
TRAFFIC CONTROL & PROTECTION FOR SIDE ROADS, INTERSECTIONS & DRIVEWAYS	TC-10
DISTRICT ONE TYPICAL PAVEMENT MARKINGS	TC-13

MAYOR:
JAMES DODGE

TRUSTEES:
DINA M. LAWRENCE
CYNTHIA NELSON KATSENES
JOANNA M. LIOTINE LEAFBLAD
JOHN LAWLER
MICHAEL R. MILANI
WILLIAM R. HEALY

VILLAGE CLERK:
MARY RYAN NORWELL

VILLAGE MANAGER:
GEORGE KOCZWARA

TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE STORMWATER AND DRAINAGE OF SURFACE WATERS MEET THE MINIMUM CRITERIA FOR STORMWATER MANAGEMENT IN ACCORDANCE WITH LOCAL AND COUNTY STANDARDS.

Kyle Berry
KYLE D. BERRY, PE, CFM

THERE ARE NO FLOOD PROTECTION AREAS LOCATED WITHIN 100 FEET OF THE DEVELOPMENT:

Kyle Berry
KYLE D. BERRY, PE, CFM

Contact the Metropolitan Water Reclamation District of Greater Chicago 2 days before starting work.

P (708) 588-4055
 E WMOJobStart@mwrdd.org

QAQC REVIEW BY

GARY ROZWADOWSKI 01/27/26
 REVIEWER DATE

BENCHMARK

SEE ALIGNMENT, TIES, AND BENCHMARKS SHEET 6

LOCATION

CALL JULIE 811 WITH THE FOLLOWING:
 COUNTY COOK
 CITY-TOWNSHIP ORLAND PARK

48 HOURS BEFORE YOU DIG. EXCLUDING SAT., SUN., & HOLIDAYS

THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR JOB SITE SAFETY AS WELL AS SUPERVISION/DIRECTION AND MEANS/METHODS OF CONSTRUCTION

[Signature] 01/26/26
DANIEL J. DEM
 ILLINOIS REGISTRATION No. 062-070564
 EXPIRATION DATE: 11/30/27

CONSTRUCTABILITY REVIEW BY

OWEN WATTELLE 01/26/26
 REVIEWER DATE



CHRISTOPHER B. BURKE ENGINEERING, LTD.
 9575 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500

PROFESSIONAL DESIGN FIRM NO. 184-001175-0014
 EXPIRATION DATE: 04/30/27

SPECIFICATIONS, STANDARDS, AND SPECIAL PROVISIONS

- ALL REFERENCES TO STANDARD SPECIFICATIONS IN THESE GENERAL NOTES SHALL BE INTERPRETED TO MEAN THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION, JANUARY 1, 2022 AND THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", ADOPTED JANUARY 1, 2026.
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS; THE LATEST EDITION OF THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", (IMUTCD); THE "STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS", (SSTCI), "THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" JULY 2020 8TH EDITION, THE "DETAILS" IN THE PLANS AND THE "SPECIAL PROVISIONS, IDOT STANDARD DRAWINGS, AND VILLAGE OF ORLAND PARK STANDARD DRAWINGS" INCLUDED IN THE CONTRACT DOCUMENTS, THE AMERICANS WITH DISABILITIES ACT OF 1990 ACCESSIBILITY GUIDELINES, THE "DRAFT" REHABILITATION ACT OF 1973 (SECTION 504), AND THE PUBLIC RIGHTS-OF-WAY ACCESSIBILITY GUIDELINES.
- IN THE GENERAL NOTES, ALL REFERENCES TO ENGINEER SHALL BE INTERPRETED AS THE RESIDENT ENGINEER, AND ALL REFERENCES TO VILLAGE AND TO OWNER SHALL BE INTERPRETED AS THE VILLAGE OF ORLAND PARK.
- ALL TRAFFIC CONTROL AND OTHER ADVISORY SIGNS NEEDED FOR CONSTRUCTION ARE TO BE FURNISHED BY THE CONTRACTOR IN ACCORDANCE WITH SECTION 701 OF THE STANDARD SPECIFICATIONS.

STAKING

- THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL SECTION OR SUBSECTION MONUMENTS OR PROPERTY OR REFERENCE MARKERS UNTIL THE VILLAGE, ITS AGENT OR AN AUTHORIZED SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATIONS.
- THE STATION/OFFSET/ELEVATIONS NOTED FOR ALL DRAINAGE STRUCTURES LOCATED IN THE CURB LINE REFER TO THE POSITION OF THE ADJACENT PROPOSED EDGE OF PAVEMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE OFFSET NECESSARY FOR EACH STRUCTURE TO SET THE FRAME AND GRATE IN THE PROPER LOCATION. ALL OTHER STRUCTURES ARE DIMENSIONED TO THE CENTER OF STRUCTURE.
- PAVEMENT GRADES: THE ELEVATIONS INDICATED ON THE PLANS ARE FINISHED GRADES OF PROPOSED PAVEMENT, UNLESS OTHERWISE INDICATED.

UTILITIES

- PRIOR TO THE START OF THE CONSTRUCTION OPERATIONS, THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES. THE LOCATION OF PUBLIC OR PRIVATE UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE AND THE VILLAGE DOES NOT GUARANTEE THEIR ACCURACY. THE CONTRACTOR WILL BE REQUIRED TO ASCERTAIN THE EXACT LOCATION OF SUCH UTILITIES AND EXERCISE CARE DURING CONSTRUCTION OPERATIONS SO AS NOT TO DAMAGE THEM IN ACCORDANCE WITH THE SPECIAL PROVISIONS AND ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE OWNERS OF ALL EXISTING UTILITIES SO THAT THEIR FACILITIES MAY BE LOCATED AND ADJUSTED OR MOVED.
- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, GAS, WATER, SEWER, AND CABLE TELEVISION FACILITIES. 48 HOURS NOTIFICATION IS REQUIRED.
- THE VILLAGE WILL LOCATE EXISTING SANITARY AND WATER WITHIN THE PROJECTS LIMITS. THESE WILL BE LOCATED ONE TIME ONLY. FROM THEN ON THE CONTRACTOR SHALL DOCUMENT AND BE RESPONSIBLE FOR MAINTAINING KNOWLEDGE OF THE LOCATIONS OF THESE FACILITIES. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING AS-BUILT KNOWLEDGE OF THE LOCATION (INCLUDING ELEVATIONS) OF ANY NEWLY INSTALLED SERVICES AND MAINS. THE VILLAGE WILL NOT BE RESPONSIBLE FOR LOCATING NEW MAINS OR SERVICES FOR THE CONTRACTOR. THIS IS IN EFFECT UNTIL FINAL PAYMENT FROM THE VILLAGE. FOR THE DURATION OF THE CONTRACT, THE CONTRACTOR SHALL MAKE THE AS-BUILT UNDERGROUND UTILITY INFORMATION AVAILABLE TO THE VILLAGE WHENEVER REQUESTED. IN THE EVENT OF A "JULIE" CALL WITHIN THE PROJECT LIMITS, THE VILLAGE OR ITS AGENT WILL NOTIFY THE CONTRACTOR TO MARK ANY UTILITIES STILL UNDER THE CONTRACTORS RESPONSIBILITY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL ABOVE AND BELOW GROUND UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER OR THE VILLAGE. THIS WORK SHALL BE AT THE CONTRACTOR'S EXPENSE.
- GRADATION OF TRENCH BACKFILL MATERIAL SHALL BE CA-6, AND SHALL BE PLACED IN UNIFORM LAYERS NOT EXCEEDING 12 INCHES (LOOSE MEASURE) AND COMPACTED WITH MECHANICAL EQUIPMENT TO 95% OF STANDARD PROCTOR DENSITY. PIPE BEDDING SHALL BE A MINIMUM OF 4 INCHES THICK.
- ANY EXISTING OR PROPOSED SEWER DAMAGED BY THE CONSTRUCTOR DURING CONSTRUCTION SHALL BE REPLACED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER AT NO COST TO THE OWNER.
- THE CONTRACTOR SHALL RECEIVE NO ADDITIONAL COMPENSATION FOR CONSTRUCTION STAGING NECESSARY TO ACCOMMODATE UTILITY RELOCATION OR ADJUSTMENT AND/OR FOR DELAYS CAUSED BY UTILITY RELOCATION OR ADJUSTMENT.

WATER, STORM & SANITARY SEWER

- THE CONTRACTOR SHALL DETERMINE WHEN FLAT SLAB TOPS ARE REQUIRED ON MANHOLES. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED FOR THE USE OF FLAT SLAB TOPS.
- RIM ELEVATIONS GIVEN ON THE PLANS ARE ONLY TO ASSIST THE CONTRACTOR IN DETERMINING THE APPROXIMATE OVERALL HEIGHT OF THE STRUCTURE. FRAMES OF ALL NEW, ADJUSTED OR RECONSTRUCTED STRUCTURES WILL BE ADJUSTED TO THE FINAL ELEVATION OF THE AREA IN WHICH THEY ARE LOCATED AS PART OF THE STRUCTURE, ADJUSTMENT OR RECONSTRUCTION COST.
- WHENEVER DURING CONSTRUCTION OPERATIONS ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES SUCH THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, IT SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL UTILITY STRUCTURES SHALL BE FREE FROM DIRT AND DEBRIS. THE WORK SPECIFIED ABOVE WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE STORM SEWER PAY ITEMS.
- ANY EXISTING OR PROPOSED STORM SEWER DAMAGED BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE REPLACED BY THE CONTRACTOR AT NO COST TO THE VILLAGE.
- THE CONTRACTOR SHALL USE RUBBER "O-RING" JOINTS FOR ALL STORM PIPE. MASTIC MATERIAL WILL NOT BE ALLOWED.

PAVING AND CURB & GUTTER

- THE CONTRACTOR SHALL SAW CUT PAVEMENT, CURB & GUTTER, AND SIDEWALK AS INDICATED ON THE PLANS TO SEPARATE THE EXISTING MATERIAL TO BE REMOVED BY MEANS OF AN APPROVED CONCRETE SAW TO A DEPTH AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE COST OF THE ITEM BEING REMOVED.
- BASE COURSE SHALL NOT BE PLACED ADJACENT TO CURB AND GUTTER UNTIL THE CURB AND GUTTER HAS BEEN PROPERLY CURED AND BACKFILLED TO THE SATISFACTION OF THE ENGINEER.

EROSION AND SEDIMENT CONTROL

- PRIOR TO BEGINNING ANY REMOVAL ITEMS, CONTRACTOR SHALL INSTALL INLET PROTECTION IN ALL EXISTING OPEN LIDDED DRAINAGE STRUCTURES AS SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER.
- CONTRACTOR SHALL NOT DISTURB LANDSCAPED AREAS OUTSIDE OF THE IMPROVEMENT LIMITS.
- UPON COMPLETION OF PROJECT, AT DIRECTION OF ENGINEER, CONTRACTOR SHALL REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROL ITEMS.

TREE TRIMMING, REMOVAL, CLEARING AND HEDGE REMOVAL

- ALL TREES ARE DESIGNATED TO BE SAVED UNLESS OTHERWISE NOTED ON THE PLANS, AND SHALL BE PROTECTED IN ACCORDANCE WITH THE PROVISIONS OF ARTICLE 201.05 OF THE STANDARD SPECIFICATIONS.
- ALL CLEARING AND REMOVAL OF BUSHES, HEDGES AND TREES UNDER 6" IN DIAMETER SHALL BE INCLUDED IN THE COST OF THE RESTORATION PAY ITEMS.

MISCELLANEOUS

- DIMENSIONS: IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION.
- PAY ITEMS IN THE SUMMARY OF QUANTITIES HAVE BEEN ESTIMATED. IF, IN THE ENGINEER'S OPINION, THE WORK IS NOT REQUIRED, THE ITEM WILL BE DEDUCTED FROM THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- ALL WASTE MATERIAL SHALL BE LEGALLY DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT-OF-WAY AT THE CONTRACTOR'S EXPENSE.
- USE OF CCDD FILL OPERATIONS: PER PUBLIC ACT 97-0137, IF THE CONTRACTOR CHOOSES TO DISPOSE OF UNCONTAMINATED SOIL OR UNCONTAMINATED SOIL MIXED WITH CLEAN CONSTRUCTION AND DEMOLITION DEBRIS (CCDD) AT A CCDD FILL OPERATION, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PERFORM ALL NECESSARY FIELD AND LABORATORY ANALYSIS AND TO OBTAIN THE LICENSED PROFESSIONAL ENGINEER'S CERTIFICATION REQUIRED AS PER PUBLIC ACT 96-1416 TO USE THE SITE. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE COST OF EARTH EXCAVATION OR RELATED REMOVAL PAY ITEM, AND NO ADDITIONAL COMPENSATION WILL BE PROVIDED.
- ALL PEDESTRIAN ROUTES CONSTRUCTED AS PART OF THIS PROJECT SHALL BE ADA COMPLIANT.
- DEPRESSED CURBS ACCESSIBLE TO THE HANDICAPPED SHALL BE PROVIDED AS SHOWN IN THE PLANS. THE TRANSITION FROM FULL HEIGHT CURB TO DEPRESSED CURB WILL BE AS SHOWN IN PLANS AND HIGHWAY STANDARDS. THIS WORK IS INCLUDED IN THE COST OF THE ASSOCIATED CONC. CURB AND GUTTER.
- MINIMUM CURB HEIGHT OF 3" OUTSIDE OF RAMP/FLARE/DRIVEWAY AREAS (SEE SPECIFICATIONS).
- WHEN DIRECTED BY THE ENGINEER, SUPPLEMENTAL WATERING SHALL BE APPLIED TO AREAS AT A RATE SPECIFIED BY THE ENGINEER AND IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.
- THE CONTRACTOR SHALL ADHERE TO LIMITS OF RESTORATION SHOWN. AREAS OUTSIDE THESE LIMITS THAT ARE DAMAGED OR DISTURBED BY THE CONTRACTOR SHALL BE RESTORED BY THE CONTRACTOR AT HIS EXPENSE, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

UTILITY COORDINATION

CONTACT INFO	DATE SENT TO UTILITY COMPANY	FINAL RESPONSE DATE	COMMENTS/CONFLICTS
AT&T (Distribution) Jamel McGinnis 1000 Commerce Drive, Floor 1 Oak Brook, IL 60523 jm548v@att.com // g05258@att.com	March 11, 2025	March 13, 2025	No anticipated conflicts.
Comcast Martha Gieras 888 Industrial Drive Elmhurst, IL 60126 martha_gieras@cable.comcast.com // Ted_Wyman@comcast.com	March 11, 2025		
ComEd Lisa Argast N/A - Electronic Submittals Lisa.argast@exeloncorp.com	March 11, 2025	April 24, 2025	No anticipated conflicts.
Metropolitan Water Reclamation District Margarita Johnson 100 E. Erie Street Chicago, IL 60611 JohnsonM11@mwrdd.org	March 11, 2025	April 17, 2025	Contractor shall be responsible for protecting MWRD facilities from all construction operations, vibrations, and heavy equipment.
Nicor Gas Charles "Chip" Parrott 1844 Ferry Road Naperville, IL 60563 gasmaps@southernco.com	March 11, 2025	March 27, 2025	No anticipated conflicts.

CHRISTOPHER B. BURKE ENGINEERING, LTD.
 9575 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500

CLIENT:



ORLAND PARK

NO.	DATE	NATURE OF REVISION	CHKD.	MODEL:
				Default
FILE NAME	N:\ORLANDPARK\240606\Civil\02_NOT01_240606.SHT			

TITLE: **VILLAGE OF ORLAND PARK
DOOGAN PARK IMPROVEMENTS
GENERAL NOTES**

PROJ. NO. 240606
 DATE: 2/10/2026
 SHEET 2 OF 34
 DRAWING NO.
NOT01

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 ORLAND PARK 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).
- THE VILLAGE OF ORLAND PARK 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). CONVERSION FACTOR IS 0 FT.
- 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 18-INCH TO 27-INCH DIAMETER F/DY=46	ASTM D-3034 ASTM F-679	ASTM D-3212 ASTM D-3212
HIGH DENSITY POLYETHYLENE (HDPE)	ASTM D-3350 ASTM D-3035	ASTM D-3261,F-2620 (HEAT FUSION) ASTM D-3212,F-477 (GASKETED)
WATER MAIN QUALITY PVC 4-INCH TO 36-INCH 4-INCH TO 12-INCH 14-INCH TO 48-INCH	ASTM D-2241 AWWA C900 AWWA C905	ASTM D-3139 ASTM D-3139 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) A CIRCULAR SAW-CUT OF SEWER MAIN BY PROPER TOOLS ("SEWER-TAP" MACHINE OR SIMILAR) AND PROPER INSTALLATION OF HUBWYE SADDLE OR HUB-TEE SADDLE.
 b) REMOVE AN ENTIRE SECTION OF PIPE (BREAKING ONLY THE TOP OF ONE BELL) AND REPLACE WITH A WYE OR TEE BRANCH SECTION.
 c) 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 WATERMANS 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:
 a) UPON COMPLETION OF INITIAL EROSION AND SEDIMENT CONTROL MEASURES, PRIOR TO ANY SOIL DISTURBANCE.
 b) 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 SCRAPING 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, WATERMANS 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.

CHRISTOPHER B. BURKE ENGINEERING, LTD.
 9575 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500

CLIENT:



ORLAND PARK

NO.	DATE	NATURE OF REVISION	CHKD.	MODEL:
FILE NAME	N:\ORLANDPARK\240606\Civil\03_NOT02_240606.SHT			Default

TITLE: **VILLAGE OF ORLAND PARK DOOGAN PARK IMPROVEMENTS MWRD NOTES**

PROJ. NO.	240606
DATE:	2/10/2026
SHEET	3 OF 34
DRAWING NO.	NOT02

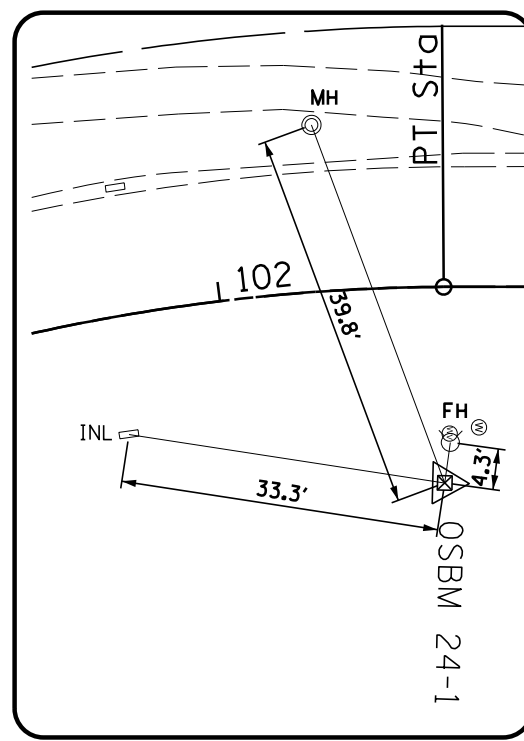
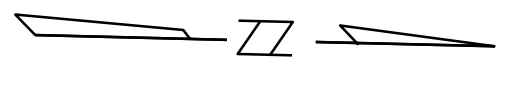
SP	ITEM #	ITEM	UNIT	TOTAL QUANTITY	SP	ITEM #	ITEM	UNIT	TOTAL QUANTITY	SP	ITEM #	ITEM	UNIT	TOTAL QUANTITY
*	20101000	TEMPORARY FENCE	FOOT	3070		72000100	SIGN PANEL - TYPE 1	SQ FT	20	*	N/A	LANDSCAPING - SHADE TREES - HONEY LOCUST	EACH	8
	20101100	TREE TRUNK PROTECTION	EACH	23		72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	2	*	N/A	LANDSCAPING - SHADE TREES - KENTUCKY COFFEETREE	EACH	2
	20101200	TREE ROOT PRUNING	EACH	19		72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	50	*	N/A	LANDSCAPING - SHADE TREES - SWAMP WHITE OAK	EACH	7
	20200100	EARTH EXCAVATION	CU YD	6160		78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	2230	*	N/A	LANDSCAPING - SHADE TREES - SYCAMORE	EACH	7
	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	400		78006100	PREFORMED THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	240	*	N/A	LANDSCAPING - SHRUBS - BLACK CHOKEBERRY	EACH	4
	20700220	POROUS GRANULAR EMBANKMENT	CU YD	70		84200500	REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	10	*	N/A	LANDSCAPING - SHRUBS - MAPLE LEAF VIBURNUM	EACH	20
*	20800150	TRENCH BACKFILL	CU YD	70		84200804	REMOVAL OF POLE FOUNDATION	EACH	10	*	N/A	LANDSCAPING - SHRUBS - OAKLEAF HYDRANGEA	EACH	31
	28100105	STONE RIPRAP, CLASS A3	SQ YD	35	*	N/A	ABANDON EXISTING STORM SEWER, FILL WITH CLSM	FOOT	40	*	N/A	LANDSCAPING - SHRUBS - RED TWIG DOGWOOD	EACH	22
	28200200	FILTER FABRIC	SQ YD	35	*	N/A	ACRYLIC COLOR COATING SYSTEM, SPECIAL	SQ YD	150	*	N/A	LANDSCAPING - SHRUBS - SHRUBBY ST. JOHNS WORT	EACH	13
	21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	7920	*	N/A	ATHLETIC SEED MIX	SQ YD	12510	*	N/A	LANDSCAPING - SHRUBS - VIRGINIA SWEETSPIRE	EACH	9
	25000100	SEEDING, CLASS 1	ACRE	2	*	N/A	BACKSTOP & SIDELINE FENCING (SPECIAL)	EACH	1	*	N/A	LANDSCAPING - UNDERSTORY TREES - ALLEGHENY SERICEBERRY	EACH	4
	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	190	*	N/A	BASKETBALL STANDARD, BACKBOARD, HOOP & NET	EACH	1	*	N/A	LANDSCAPING - UNDERSTORY TREES - PRAIRIEFIRE CRABAPPLE	EACH	2
	25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	190	*	N/A	BOCCO COURT	L SUM	1	*	N/A	LANDSCAPING - UNDERSTORY TREES - FOX VALLEY RIVER BIRCH	EACH	7
	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	190	*	N/A	BIO-INFILTRATION SOIL MIX	CU YD	450	*	N/A	NO MOW SEEDING	SQ YD	5180
	25100630	EROSION CONTROL BLANKET	SQ YD	7920	*	N/A	CONCRETE CURB, TYPE B - BOCCO COURT	FOOT	440	*	N/A	MEADOW MIX SEEDING	SQ YD	1050
	25200200	SUPPLEMENTAL WATERING	UNIT	50	*	N/A	CONCRETE CURB, TYPE B - PLAYGROUND	FOOT	350	*	N/A	OBSERVATION WELL	EACH	10
	28000400	PERIMETER EROSION BARRIER	FOOT	2840	*	N/A	DEBRIS HOOD	EACH	1	*	N/A	PARKING LOT COBBLE	TON	3
	28000510	INLET FILTERS	EACH	30	*	N/A	DETENTION BOTTOM SEED MIX	SQ YD	1460	*	N/A	PARK SIGN REMOVAL	EACH	2
	31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	1340	*	N/A	DETENTION POND CONNECTIONS	EACH	1	*	N/A	PLAYERS BENCHES	EACH	2
	31101810	SUBBASE GRANULAR MATERIAL, TYPE B 12"	SQ YD	2450	*	N/A	INFIELD FURNISH AND PLACE, 6"	SQ YD	1080	*	N/A	PLAYGROUND SAFETY SURFACE SUBBASE	SQ FT	6380
	40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	4560	*	N/A	ITEMS AS ORDERED BY THE ENGINEER	UNIT	50000	*	N/A	REINFORCED CONCRETE PIPE, 12"	FOOT	70
	40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	360	*	N/A	LANDSCAPING - EVERGREEN TREES - BALSAM FIR	EACH	3	*	N/A	REMOVAL OF PLAY EQUIPMENT AND FOUNDATIONS	L SUM	1
	40604060	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50	TON	800	*	N/A	LANDSCAPING - EVERGREEN TREES - EASTERN REDCEDAR	EACH	3	*	N/A	REMOVE EXISTING BIKE RACKS	EACH	1
	42000300	PORTLAND CEMENT CONCRETE PAVEMENT 8"	SQ YD	70	*	N/A	LANDSCAPING - EVERGREEN TREES - WHITE PINE	EACH	3	*	N/A	SAND SOIL MIX	CY	6
*	42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	8100	*	N/A	LANDSCAPING - NATIVE GRASSES - AUTUMN MOOR GRASS	EACH	14	*	N/A	SOCCER GOALS, SPECIAL	L SUM	1
*	42400300	PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH	SQ FT	510	*	N/A	LANDSCAPING - NATIVE GRASSES - BROME HUMMOCK SEDGE	EACH	13	*	N/A	STORM CONNECTION TO EXISTING MANHOLE	EACH	1
	42400800	DETECTABLE WARNINGS	SQ FT	50	*	N/A	LANDSCAPING - NATIVE GRASSES - NORTHWIND SWITCH GRASS	EACH	32	*	N/A	TRAFFIC CONTROL PLAN	L SUM	1
*	44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SQ YD	4930	*	N/A	LANDSCAPING - NATIVE GRASSES - PURPLE LOVEGRASS	EACH	21	*	X0320067	BENCH REMOVAL	EACH	5
*	44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	60	*	N/A	LANDSCAPING - NATIVE GRASSES - SIDE-OATS GRAMA	EACH	5	*	X0326806	WASHOUT BASIN	L SUM	1
*	44000165	HOT-MIX ASPHALT SURFACE REMOVAL, 4"	SQ YD	2910	*	N/A	LANDSCAPING - NATIVE GRASSES - THE BLUES LITTLE BLUESTERN	EACH	39	*	X0328034	AS-BUILT DRAWINGS	L SUM	1
	44000300	CURB REMOVAL	FOOT	1440	*	N/A	LANDSCAPING - PERENNIALS - BLAZING STAR	EACH	10	*	X3110100	COARSE AGGREGATE	TON	160
	44000900	COMBINATION CURB AND GUTTER REMOVAL	FOOT	1260	*	N/A	LANDSCAPING - PERENNIALS - BLUE WILD INDIGO	EACH	14	*	X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	15
	44000600	SIDEWALK REMOVAL	SQ FT	2260	*	N/A	LANDSCAPING - PERENNIALS - CAT'S PAJAMAS CATMINT	EACH	50	*	X6640104	FENCE REMOVAL	FOOT	160
	54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	1	*	N/A	LANDSCAPING - PERENNIALS - COMMON YARROW	EACH	13	*	XX000503	SPLIT RAIL FENCE	FOOT	230
	55106010	STORM SEWER INSTALLATION 6"	FOOT	1310	*	N/A	LANDSCAPING - PERENNIALS - HUSKER RED BEAR TONGUE	EACH	41	*	XX005770	STRUCTURE TO BE ABANDONED	EACH	6
*	60108104	PIPE UNDERDRAINS, TYPE 1, 4"	FOOT	620	*	N/A	LANDSCAPING - PERENNIALS - MOONBEAM TICKSEED	EACH	42	*	XX009224	CLASS D PATCHES, SPECIAL	SQ YD	250
	60200105	CATCH BASINS, TYPE A 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	1	*	N/A	LANDSCAPING - PERENNIALS - NODDING WILD ONION	EACH	11	*	Z0003850	BENCHES	EACH	5
	60218400	MANHOLES, TYPE A 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	*	N/A	LANDSCAPING - PERENNIALS - WILD BERGAMONT	EACH	11	*	Z0003855	BICYCLE RACKS	EACH	16
	60400105	FRAMES, TYPE 1	EACH	15	*	N/A	LANDSCAPING - SHADE TREES - AMERICAN LINDEN	EACH	5	*	Z0013798	CONSTRUCTION LAYOUT	L SUM	1
*	60403800	LIDS, TYPE 1, CLOSED LID	EACH	15	*	N/A	LANDSCAPING - SHADE TREES - BALD CYPRESS	EACH	4	*	Z0018600	DRAINAGE STRUCTURES TO BE RECONSTRUCTED	EACH	11
*	60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-8.12	FOOT	1740	*	N/A	LANDSCAPING - SHADE TREES - COMMON HACKBERRY	EACH	6	*	Z0019600	DUST CONTROL WATERING	UNIT	20
	67100100	MOBILIZATION	L SUM	1	*	N/A	LANDSCAPING - SHADE TREES - FREEMAN'S MAPLE	EACH	7					

CHRISTOPHER B. BURKE ENGINEERING, LTD.
 9575 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500

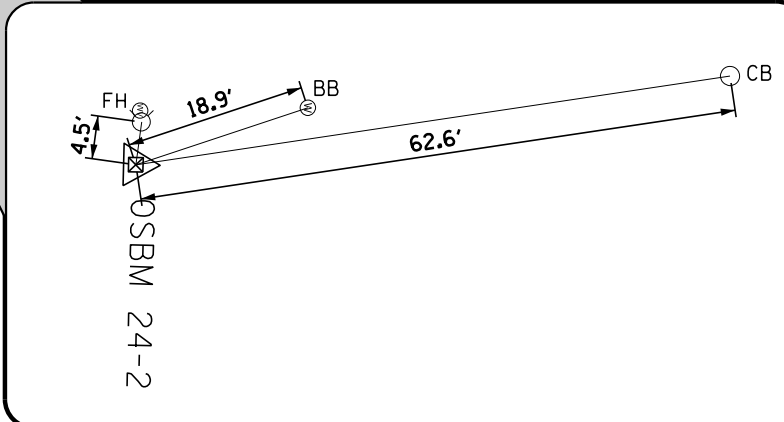


NO.	DATE	NATURE OF REVISION	CHKD.	MODEL:
FILE NAME	N:\ORLANDPARK\240606\Civil\04_S00_240606.SHT			

DSGN. DWN. CHKD. DJD SCALE: N.T.S. PLOT DATE: 2/10/2026 CAD USER: rmarkham MODEL: Default	TITLE: VILLAGE OF ORLAND PARK DOOGAN PARK IMPROVEMENTS SUMMARY OF QUANTITIES	PROJ. NO. 240606 DATE: 2/10/2026 SHEET 4 OF 34 DRAWING NO. S00
--	---	---



CP #1



CP #2

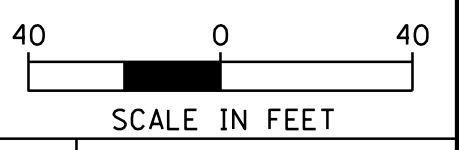
PROP. CURVE PARK1
 PI STA. = 101+24.49
 $\Delta = 63^\circ 00' 15''$ (RT)
 $D = 28^\circ 12' 23''$
 $R = 203.13'$
 $T = 124.49'$
 $L = 223.37'$
 $E = 35.11'$
 $e = \text{-----}$
 $T.R. = \text{-----}$
 $S.E. RUN = \text{-----}$
 $P.C. STA. = 100+00.00$
 $P.T. STA. = 102+23.37$

PROP. CURVE PARK2
 PI STA. = 109+10.76
 $\Delta = 89^\circ 24' 24''$ (RT)
 $D = 58^\circ 33' 17''$
 $R = 97.85'$
 $T = 96.84'$
 $L = 152.69'$
 $E = 39.82'$
 $e = \text{-----}$
 $T.R. = \text{-----}$
 $S.E. RUN = \text{-----}$
 $P.C. STA. = 108+13.91$
 $P.T. STA. = 109+66.60$

ELEVATION BENCHMARKS DATUM: NAVD '88 (GPS OBSERVED)		
NO.	DESCRIPTION	ELEV.
OSBM 24-1	EAST BOLT OF HYDRANT IN FRONT OF ADDRESS #14785 PARK LN.	698.04
OSBM 24-1	EAST BOLT OF HYDRANT IN FRONT OF ADDRESS #14755 PARK LN.	697.06

PC Sta 100+00.00
 PI Sta 101+24.49
 PT Sta 102+23.37
 N 1,804,634.49
 E 1,111,909.19

PC Sta 108+13.91
 PI Sta 109+10.76
 PT Sta 109+66.60
 N 1,805,502.56
 E 1,111,872.77



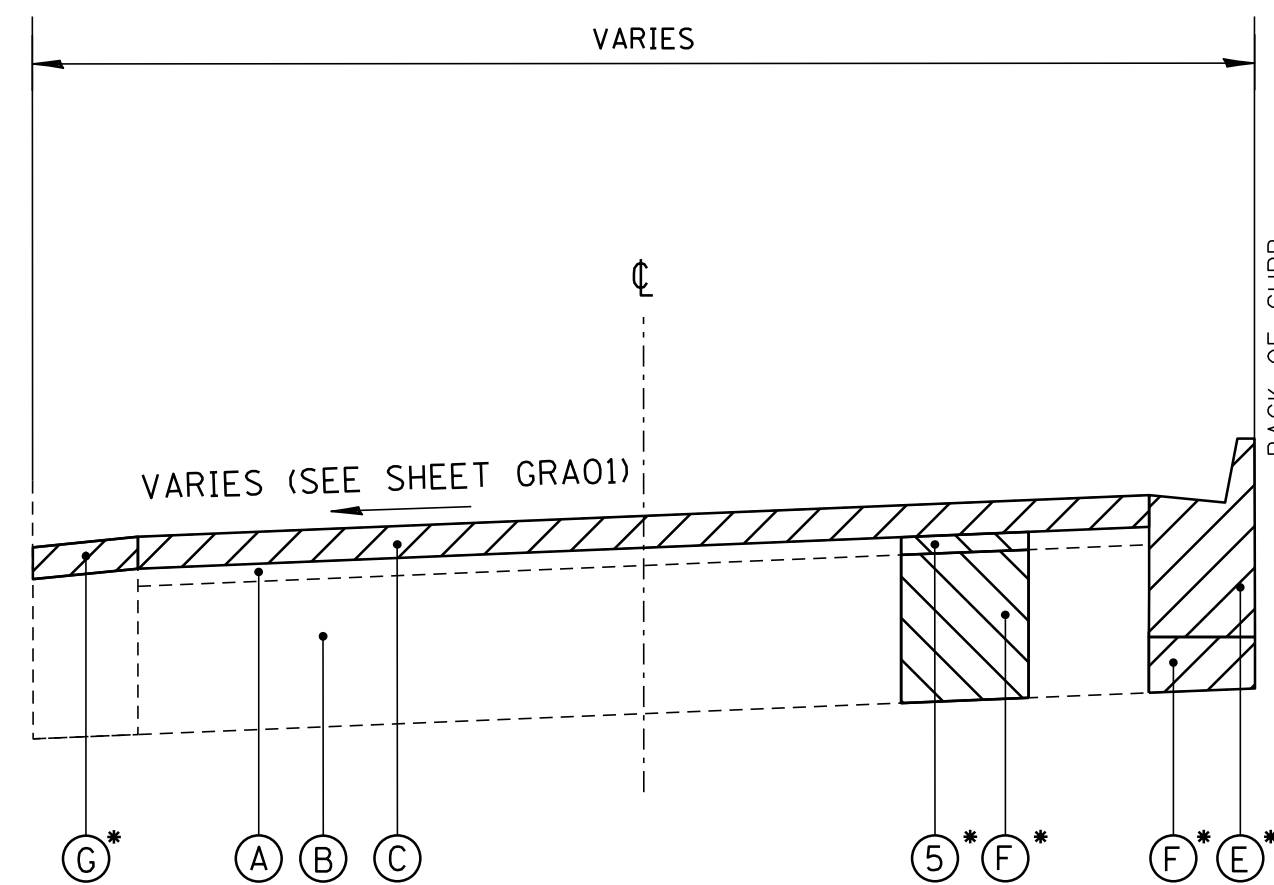
CB CHRISTOPHER B. BURKE ENGINEERING, LTD.
 9575 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500



NO.	DATE	NATURE OF REVISION	CHKD.	MODEL:

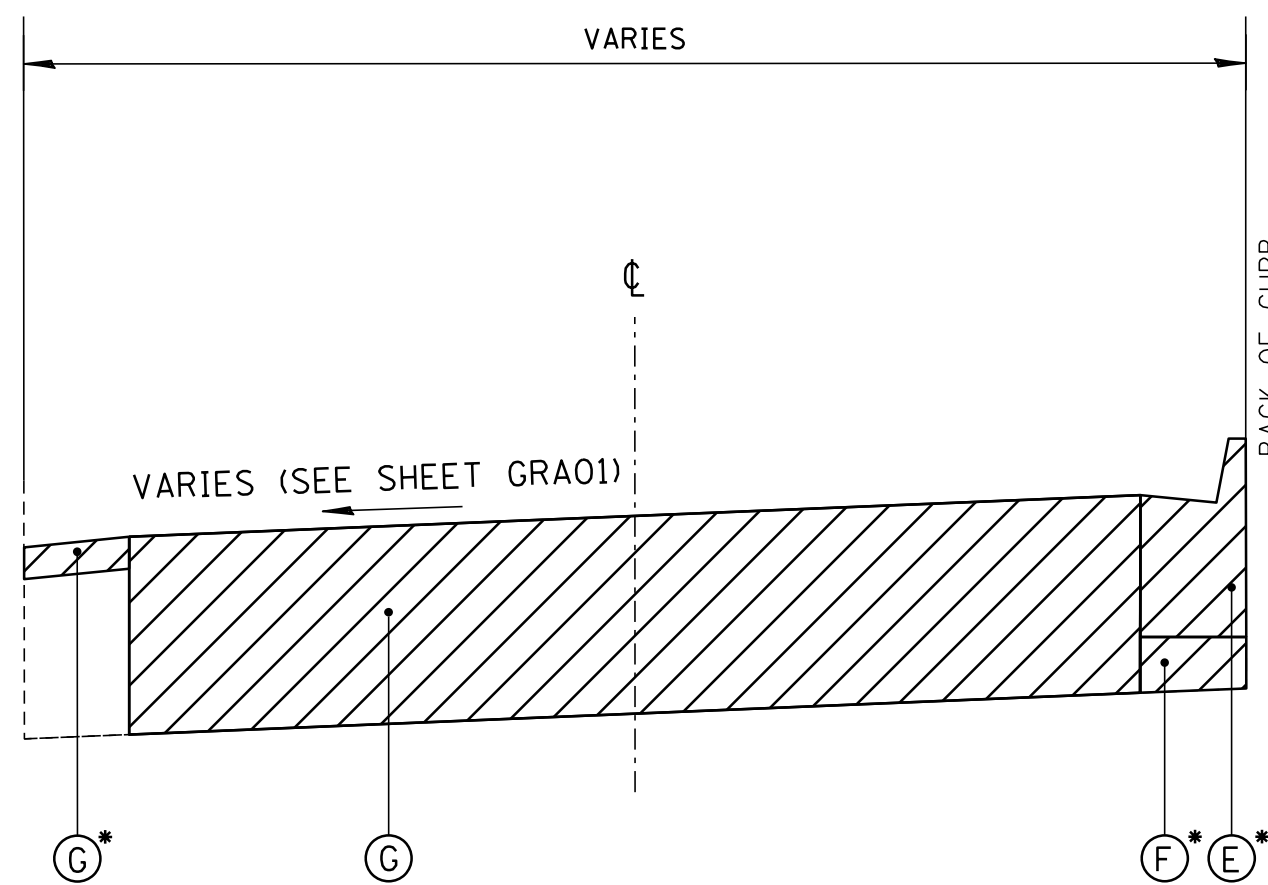
TITLE: **VILLAGE OF ORLAND PARK
 DOOGAN PARK IMPROVEMENTS
 ALIGNMENT, TIES, AND BENCHMARKS**

PROJ. NO. 240606
 DATE: 2/10/2026
 SHEET 5 OF 34
 DRAWING NO. **BNH01**



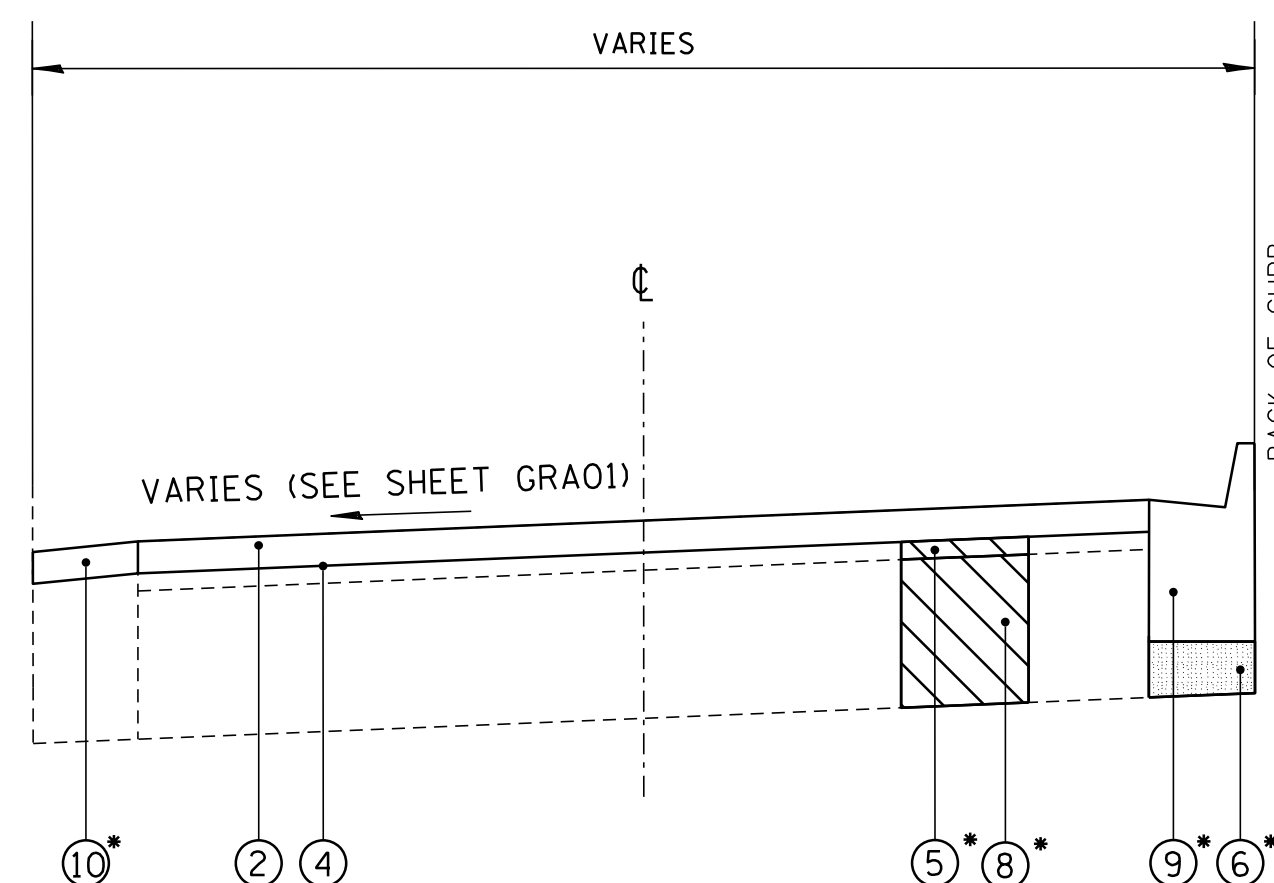
**EXISTING TYPICAL SECTION
PARKING/PATH RESURFACING**

* AT LOCATIONS AS DIRECTED BY THE ENGINEER



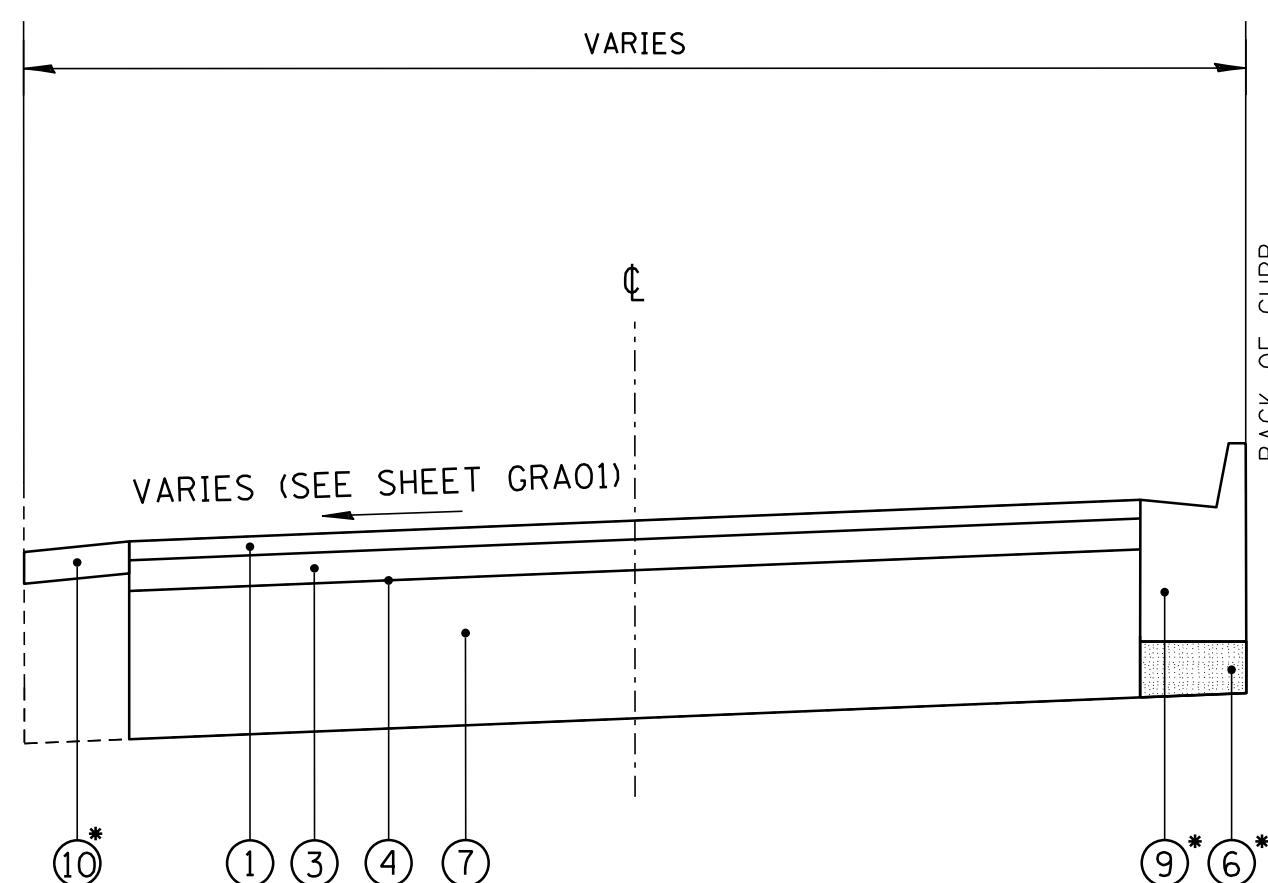
**EXISTING TYPICAL SECTION
PARKING/PATH RECONSTRUCTION**

* AT LOCATIONS AS DIRECTED BY THE ENGINEER



**PROPOSED TYPICAL SECTION
PARKING/PATH RESURFACING**

* AT LOCATIONS AS DIRECTED BY THE ENGINEER



**PROPOSED TYPICAL SECTION
PARKING/PATH RECONSTRUCTION**

* AT LOCATIONS AS DIRECTED BY THE ENGINEER

EXISTING LEGEND

- (A) EXISTING HMA PAVEMENT 3-5", SEE CORE DATA
- (B) EXISTING SUBBASE 10-12", SEE CORE DATA
- (C) HOT-MIX ASPHALT SURFACE REMOVAL, 2.5" (44000159)
- (D) HOT-MIX ASPHALT SURFACE REMOVAL, 4" (44000165)
- (E) COMBINATION CURB AND GUTTER REMOVAL (44000500)
- (F) REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (20201200)
- (G) EARTH EXCAVATION (20200100)

LEGEND

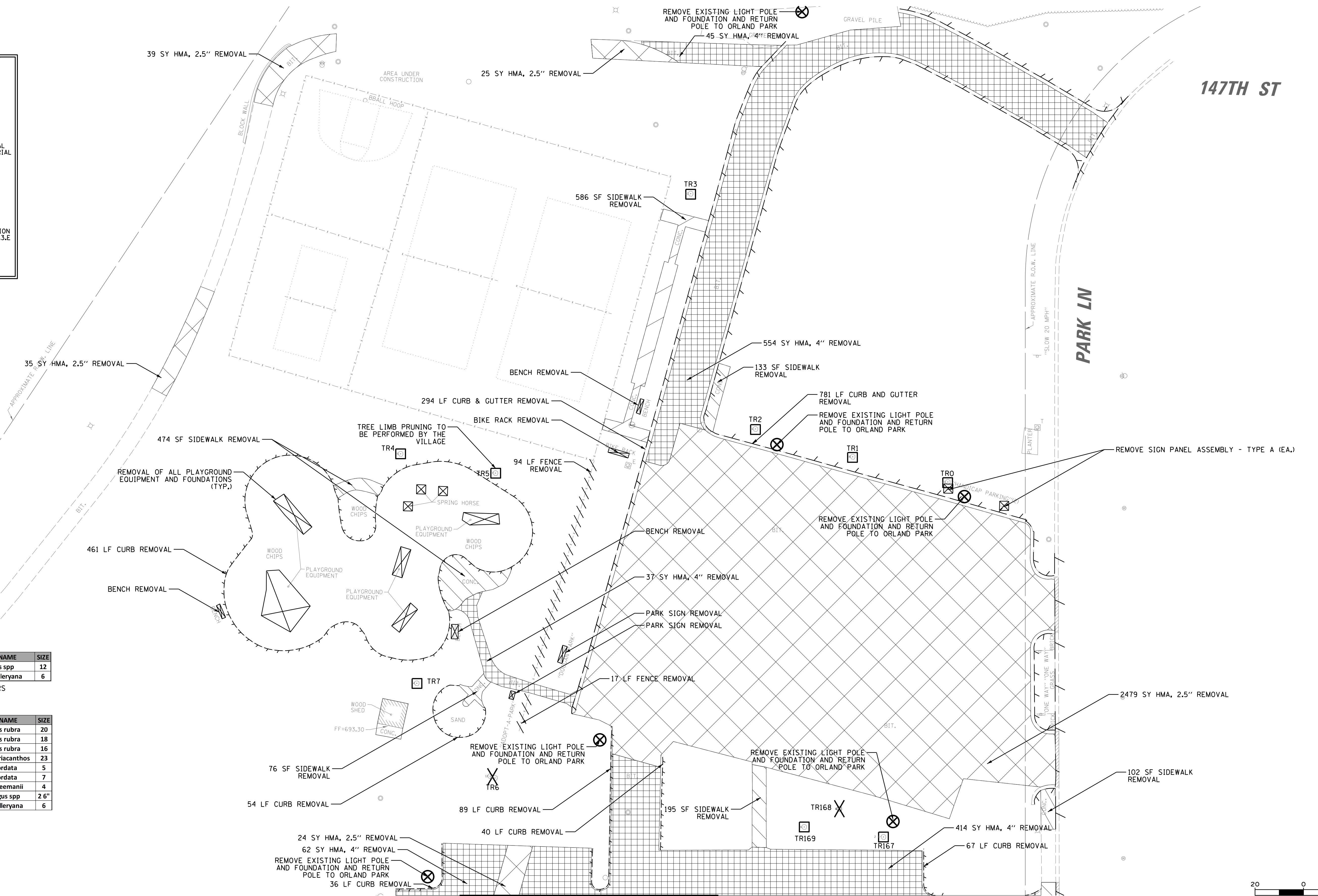
- (1) HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50; 1.5" (40604060)
- (2) HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50; 2.5" (40604060)
- (3) HOT MIX ASPHALT BINDER COURSE, IL-19.0, N50; 2.5" (40603080)
- (4) BITUMINOUS MATERIALS (TACK COAT) (40600290)
- (5) CLASS D PATCHES, SPECIAL (XX009224)
- (6) SUBBASE GRANULAR MATERIAL, TYPE B 4" (31101200)
- (7) SUBBASE GRANULAR MATERIAL, TYPE B 12" (31101810)
- (8) POROUS GRANULAR EMBANKMENT (20700220)
- (9) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (60603800)
- (10) TOPSOIL FURNISH AND PLACE, 4" (21101615)
SEEDING, CLASS 1 (25000100)

HOT-MIX ASPHALT MIXTURE REQUIREMENTS	
ITEM	VOIDS
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm), 1.5"-2.5"	4% @ 50 GYR.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2.5"	3.5% @ 50 GYR.
CLASS "D" PATCHES, SPECIAL, IL-19.0, N50, 2"	4% @ 70 GYR.

NOTE:

1. THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE IS 112 LBS/SY/IN
2. THE HIGH SIDE OF THE ROADWAY SHALL BE PAVED FIRST.

LEGEND	
	HMA, 2.5" REMOVAL
	HMA, 4" REMOVAL
	SIDEWALK REMOVAL
	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL
	CURB REMOVAL
	CURB & GUTTER REMOVAL
	TREE REMOVAL (BY OTHERS)
	TREE TRUNK PROTECTION PER SECTION 6-305.F.3.E
	FENCE REMOVAL
	REMOVE EXISTING LIGHT POLE



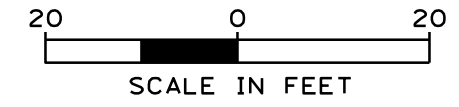
ID	TREE ID	COMMON NAME	LATIN NAME	SIZE
TR6	38655	MULBERRY-SPP	Morus spp	12
TR168	38886	PEAR-CALLERY	Pyrus calleryana	6

TREE REMOVAL TO BE PERFORMED BY OTHERS

ID	TREE ID	COMMON NAME	LATIN NAME	SIZE
TR0	38639	OAK-RED	Quercus rubra	20
TR1	38640	OAK-RED	Quercus rubra	18
TR2	38644	OAK-RED	Quercus rubra	16
TR3	38648	HONEYLOCUST	Gleditsia triacanthos	23
TR4	38650	LINDEN-AMERICAN	Tilia cordata	5
TR5	38651	LINDEN-AMERICAN	Tilia cordata	7
TR7	38656	MAPLE-AUTUMN BLAZE	Acer x freemanii	4
TR167	38885	HAWTHORN-SPP	Crataegus spp	2.6'
TR169	38887	PEAR-CALLERY	Pyrus calleryana	6

TREE TRUNK PROTECTION

MATCH LINE A-A



CHRISTOPHER B. BURKE ENGINEERING, LTD.
 9575 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500



NO.	DATE	NATURE OF REVISION	CHKD.	MODEL:

TITLE: **VILLAGE OF ORLAND PARK DOOGAN PARK IMPROVEMENTS REMOVAL PLAN**

PROJ. NO. 240606
 DATE: 2/10/2026
 SHEET 7 OF 34
 DRAWING NO. **REM01**

MATCH LINE A-A

LEGEND

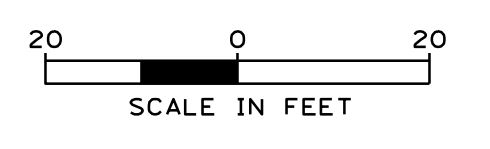
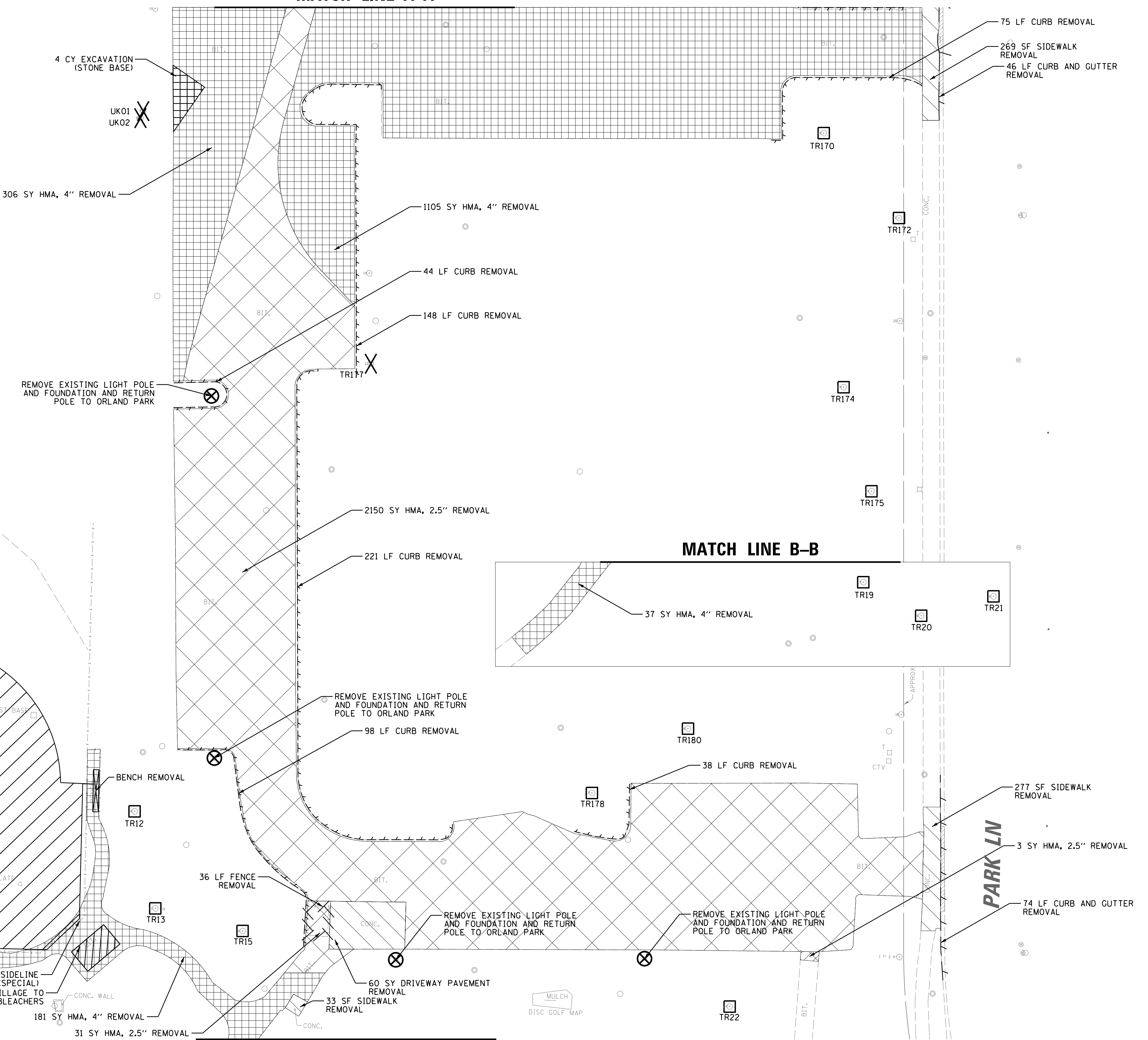
- HMA, 2.5" REMOVAL
- HMA, 4" REMOVAL
- SIDEWALK REMOVAL
- REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL
- CURB REMOVAL
- CURB & GUTTER REMOVAL
- TREE REMOVAL (BY OTHERS)
- TREE TRUNK PROTECTION PER SECTION 6-305.F.3.E
- FENCE REMOVAL
- REMOVE EXISTING LIGHT POLE

ID	TREE ID	COMMON NAME	LATIN NAME	SIZE
TR12	38662	HONEYLOCUST	Gleditsia triacanthos	8
TR13	38663	SWEEETGUM	Liquidambar styraciflua	10
TR15	38665	LINDEN-AMERICAN	Tilia cordata	6
TR19	38673	MAPLE-AUTUMN BLAZE	Acer x freemanii	7
TR20	38677	LINDEN-AMERICAN	Tilia cordata	6
TR21	38678	MAPLE-RED	Acer rubrum	6
TR22	38680	HONEYLOCUST	Gleditsia triacanthos	24
TR166	38883	ELM-HYBRID	Ulmus x spp	8
TR170	38888	OAK-PIN	Quercus palustris	14
TR172	38890	HONEYLOCUST	Gleditsia triacanthos	17
TR174	38892	OAK-PIN	Quercus palustris	24
TR175	38893	HONEYLOCUST	Gleditsia triacanthos	24
TR178	38899	MAPLE-RED	Acer rubrum	7
TR180	38902	OAK-PIN	Quercus palustris	16

TREE TRUNK PROTECTION

ID	TREE ID	COMMON NAME	LATIN NAME	SIZE
TR177	38896	OAK-PIN	Quercus palustris	12
UK01		UNKNOWN	Unknown	7
UK02		UNKNOWN	Unknown	8
UK03		UNKNOWN	Unknown	6

TREE REMOVAL TO BE PERFORMED BY OTHERS



MATCH LINE C-C

MATCH LINE C-C

MATCH LINE B-B

MATCH LINE B-B

CHRISTOPHER B. BURKE ENGINEERING, LTD.
 9575 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500

CLIENT:

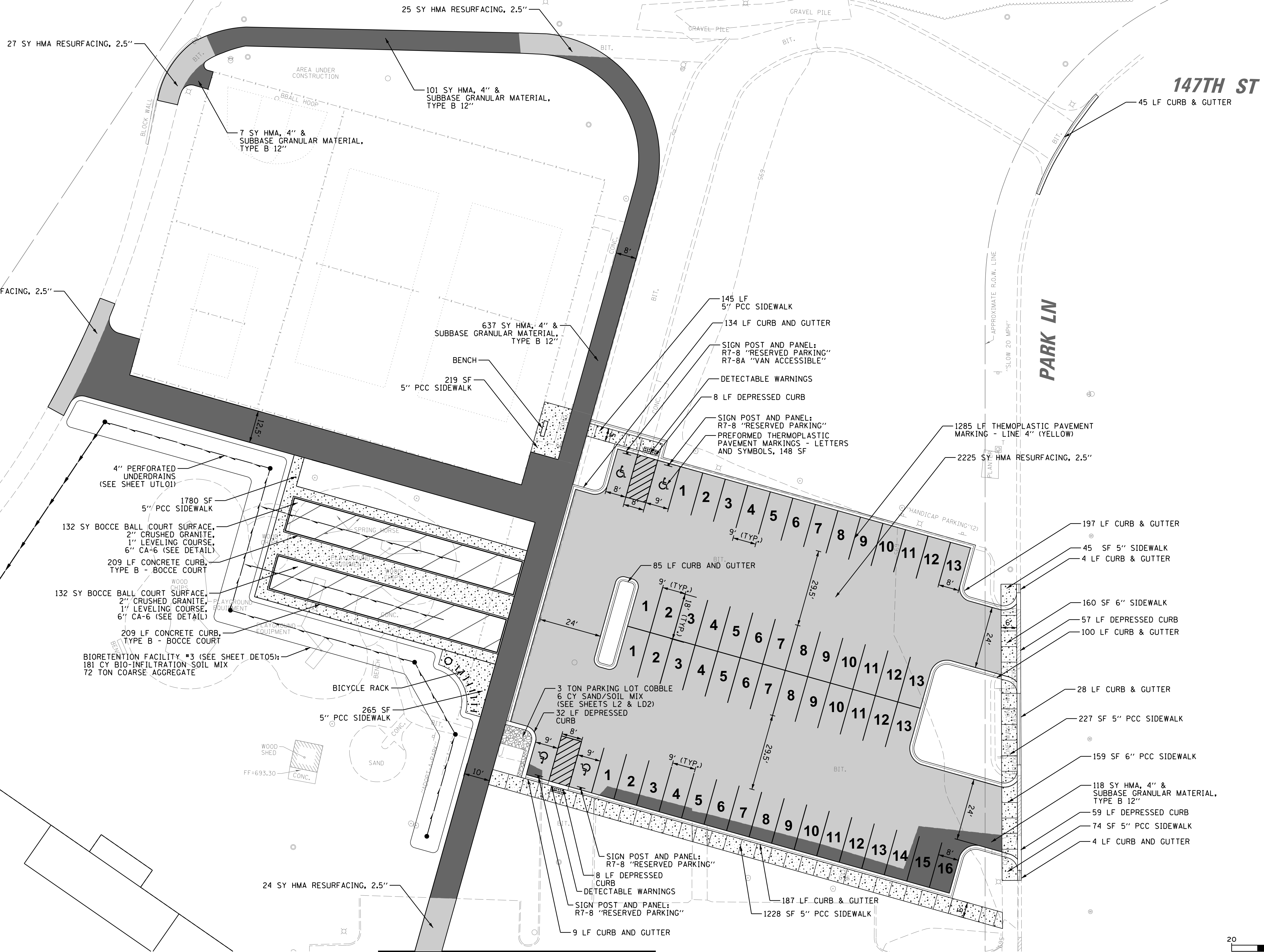
ORLAND PARK

NO.	DATE	NATURE OF REVISION	CHKD.	MODEL:

TITLE: **VILLAGE OF ORLAND PARK DOOGAN PARK IMPROVEMENTS REMOVAL PLAN**

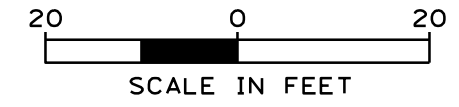
PROJ. NO. 240606
DATE: 2/10/2026
SHEET 8 OF 34
DRAWING NO. REM02

LEGEND	
	PCC SIDEWALK (DEPTH VARIES)
	CURB & GUTTER
	DEPRESSED CURB
	BOCCE BALL COURT SURFACE
	HMA RESURFACING, 2.5"
	HMA, 4" & SUBBASE GRANULAR MATERIAL, TYPE B 12"
	FENCE
	DETECTABLE WARNINGS



NOTE: ANY GAPS LESS THAN 12" WIDE BETWEEN EXISTING PAVEMENT AND NEW CURB AND GUTTER SHALL BE FILLED WITH PCC BASE COURSE

MATCH LINE A-A



CHRISTOPHER B. BURKE ENGINEERING, LTD.
 9575 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500

CLIENT:

ORLAND PARK

NO.	DATE	NATURE OF REVISION	CHKD.	MODEL:

TITLE:
**VILLAGE OF ORLAND PARK
 DOOGAN PARK IMPROVEMENTS
 PROPOSED SITE PLAN**

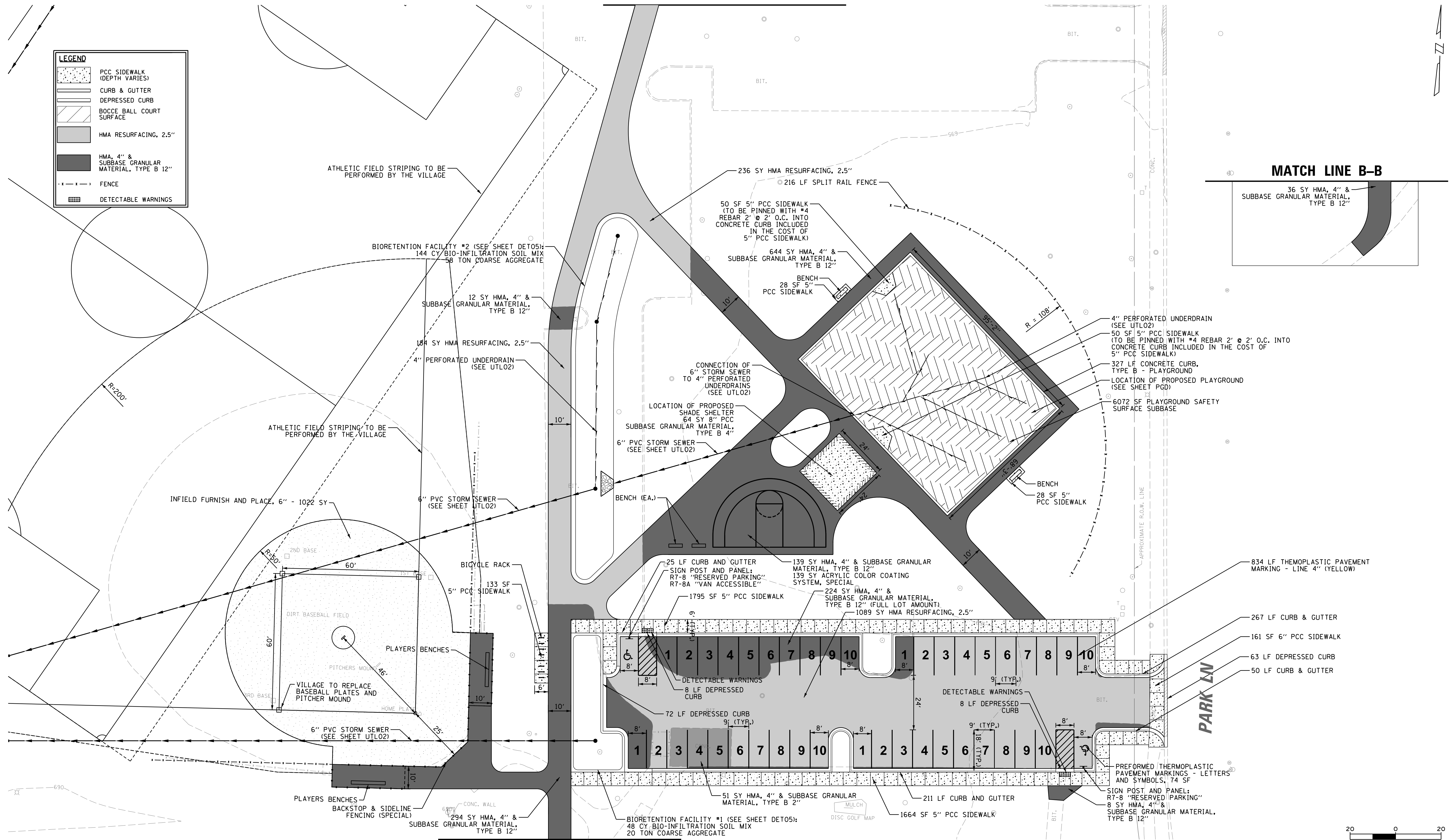
PROJ. NO. 240606
 DATE: 2/10/2026
 SHEET 9 OF 34
 DRAWING NO.
PR001

MATCH LINE A-A

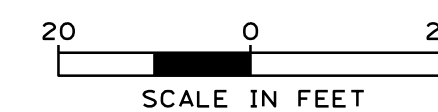
LEGEND	
	PCC SIDEWALK (DEPTH VARIES)
	CURB & GUTTER
	DEPRESSED CURB
	BOCCE BALL COURT SURFACE
	HMA RESURFACING, 2.5"
	HMA, 4" & SUBBASE GRANULAR MATERIAL, TYPE B 12"
	FENCE
	DETECTABLE WARNINGS

MATCH LINE B-B

36 SY HMA, 4" & SUBBASE GRANULAR MATERIAL, TYPE B 12"



NOTE: ANY GAPS LESS THAN 12" WIDE BETWEEN EXISTING PAVEMENT AND NEW CURB AND GUTTER SHALL BE FILLED WITH PCC BASE COURSE



MATCH LINE B-B

CHRISTOPHER B. BURKE ENGINEERING, LTD.
 9575 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500



NO.	DATE	NATURE OF REVISION	CHKD.	MODEL:

TITLE: **VILLAGE OF ORLAND PARK
DOOGAN PARK IMPROVEMENTS
PROPOSED SITE PLAN**

PROJ. NO. 240606
 DATE: 2/10/2026
 SHEET 10 OF 34
 DRAWING NO.
PRO02

LEGEND

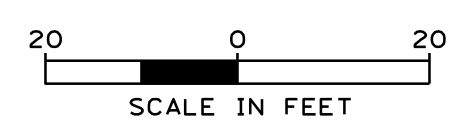
XXX.XX PROPOSED SPOT ELEVATION
XXX.XX EXISTING SPOT ELEVATION
 -693- EXISTING CONTOUR
 -695- PROPOSED CONTOUR
 DRAINAGE DIRECTION ARROW



147TH ST

PARK LN

MATCH LINE A-A



CHRISTOPHER B. BURKE ENGINEERING, LTD.
 9575 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500

CLIENT:

ORLAND PARK

NO.	DATE	NATURE OF REVISION	CHKD.	MODEL:
				Default

TITLE: **VILLAGE OF ORLAND PARK
 DOOGAN PARK IMPROVEMENTS
 GRADING PLAN**

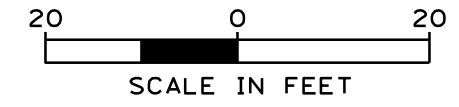
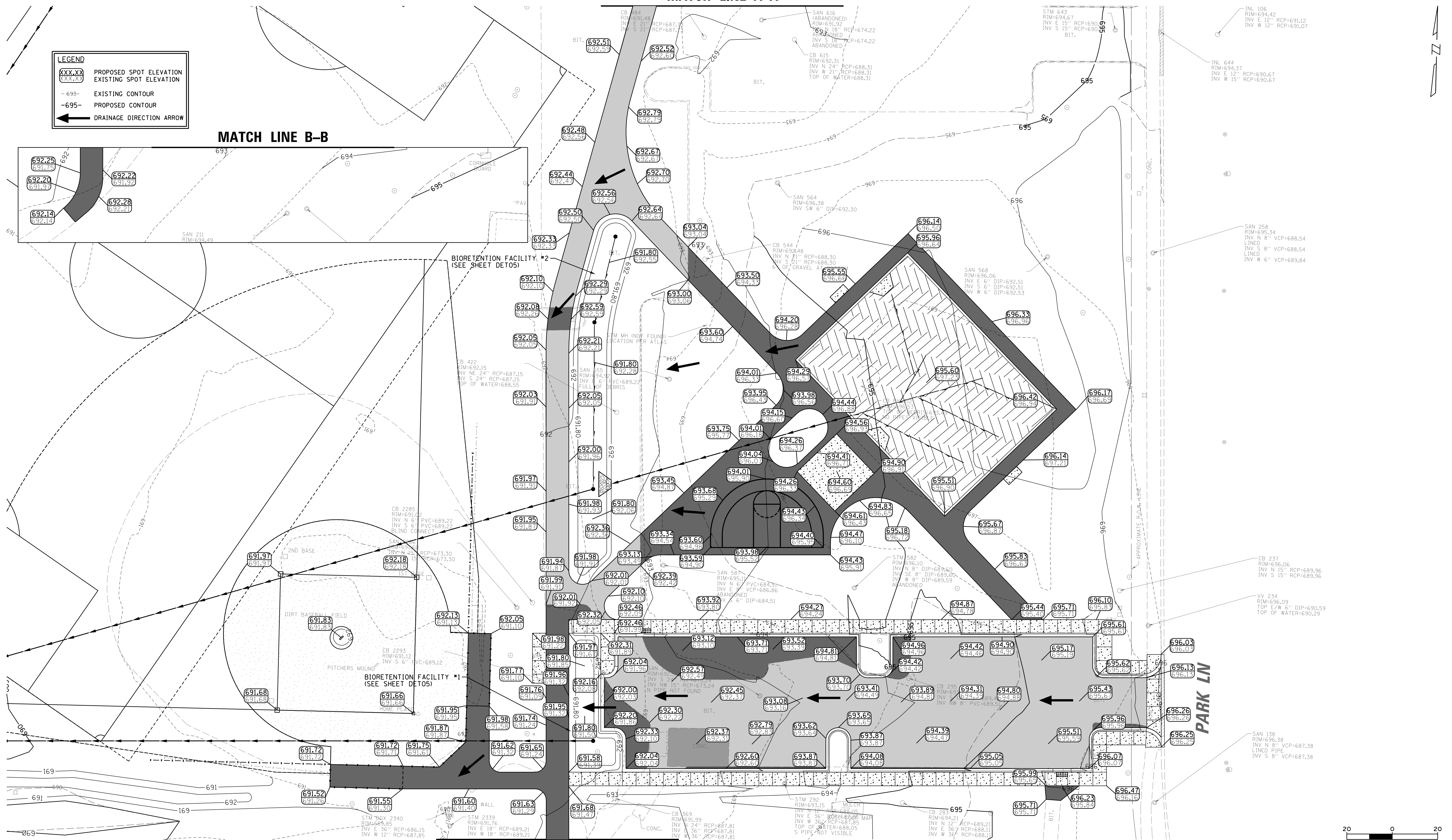
PROJ. NO. 240606
 DATE: 2/10/2026
 SHEET 11 OF 34
 DRAWING NO.
GRA01

MATCH LINE A-A

LEGEND

XXX.XX	PROPOSED SPOT ELEVATION
XXX.XX	EXISTING SPOT ELEVATION
-693-	EXISTING CONTOUR
-695-	PROPOSED CONTOUR
←	DRAINAGE DIRECTION ARROW

MATCH LINE B-B



MATCH LINE B-B

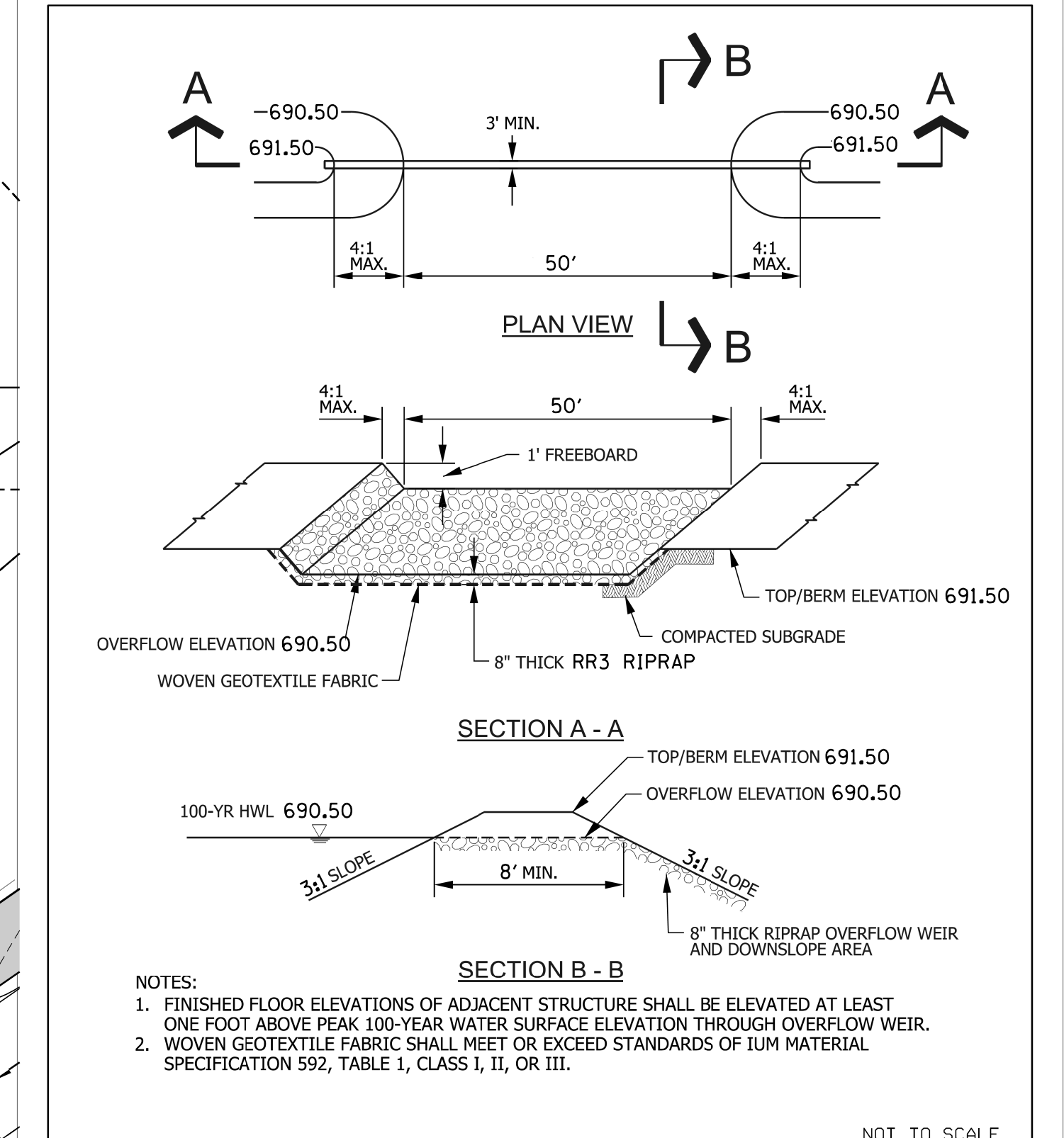
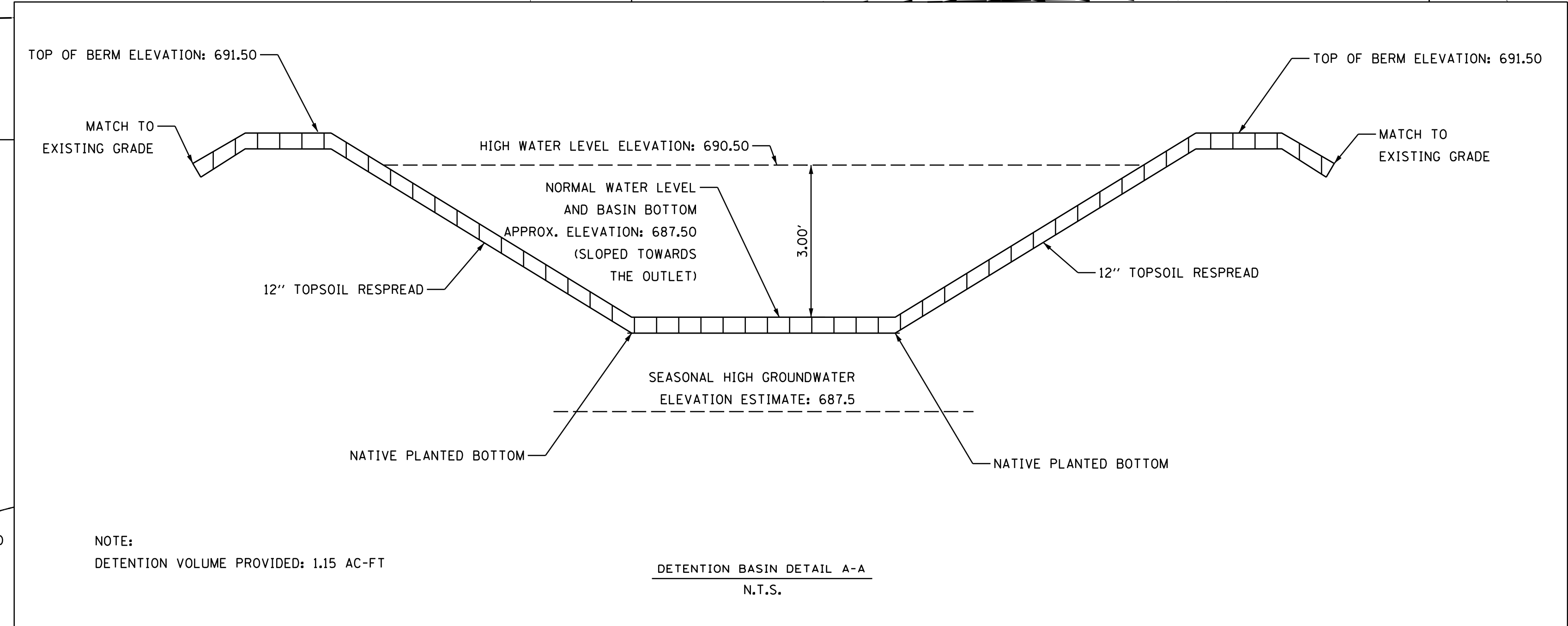
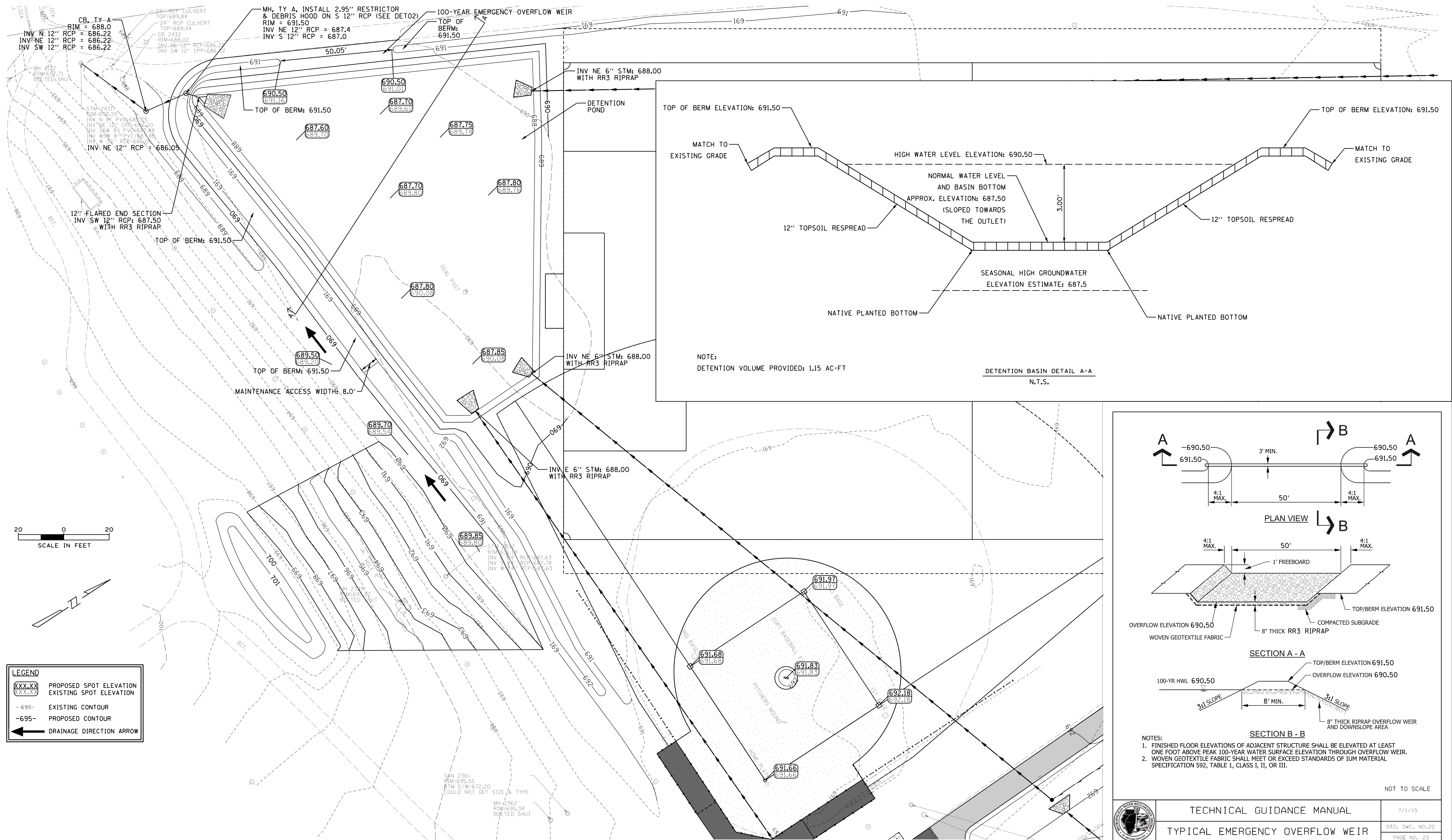
CHRISTOPHER B. BURKE ENGINEERING, LTD.
 9575 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500



NO.	DATE	NATURE OF REVISION	CHKD.	MODEL:
FILE NAME	N:\ORLANDPARK\240606\CIVIL\2_GRA02_240606.SHT			

TITLE:
VILLAGE OF ORLAND PARK
DOOGAN PARK IMPROVEMENTS
GRADING PLAN

PROJ. NO. 240606
 DATE: 2/10/2026
 SHEET NO. OF 34
 DRAWING NO.
GRA02



LEGEND

XXX.XX	PROPOSED SPOT ELEVATION
xxx.x	EXISTING SPOT ELEVATION
-693-	EXISTING CONTOUR
-695-	PROPOSED CONTOUR
←	DRAINAGE DIRECTION ARROW

CHRISTOPHER B. BURKE ENGINEERING, LTD.
 9575 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500

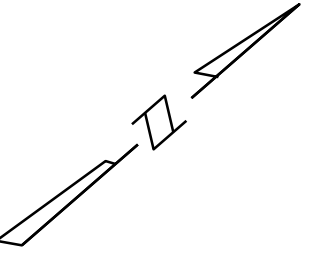
CLIENT:

ORLAND PARK

NO.	DATE	NATURE OF REVISION	CHKD.	MODEL:
FILE NAME	N:\ORLANDPARK\240606\Civil\3_GRA03_240606.SHT			

TITLE: **VILLAGE OF ORLAND PARK DOOGAN PARK IMPROVEMENTS GRADING PLAN**

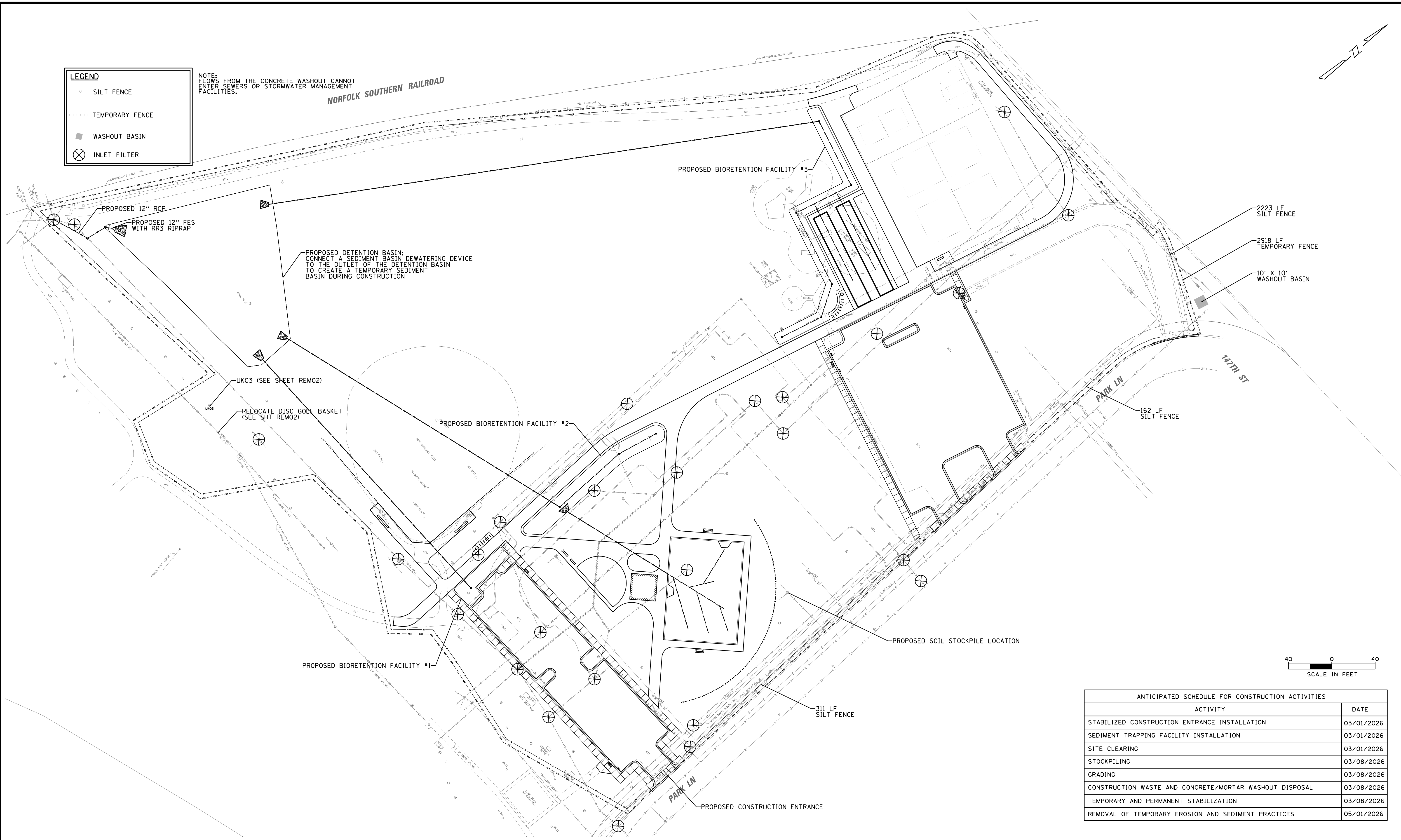
PROJ. NO. 240606
 DATE: 2/10/2026
 SHEET 13 OF 34
 DRAWING NO. **GRA03**



LEGEND	
	SILT FENCE
	TEMPORARY FENCE
	WASHOUT BASIN
	INLET FILTER

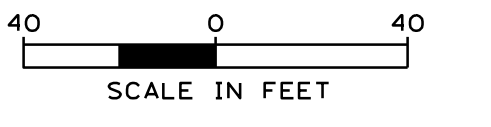
NOTE: FLOWS FROM THE CONCRETE WASHOUT CANNOT ENTER SEWERS OR STORMWATER MANAGEMENT FACILITIES.

NORFOLK SOUTHERN RAILROAD



2223 LF SILT FENCE
 2918 LF TEMPORARY FENCE
 10' X 10' WASHOUT BASIN

162 LF SILT FENCE



ANTICIPATED SCHEDULE FOR CONSTRUCTION ACTIVITIES	
ACTIVITY	DATE
STABILIZED CONSTRUCTION ENTRANCE INSTALLATION	03/01/2026
SEDIMENT TRAPPING FACILITY INSTALLATION	03/01/2026
SITE CLEARING	03/01/2026
STOCKPILING	03/08/2026
GRADING	03/08/2026
CONSTRUCTION WASTE AND CONCRETE/MORTAR WASHOUT DISPOSAL	03/08/2026
TEMPORARY AND PERMANENT STABILIZATION	03/08/2026
REMOVAL OF TEMPORARY EROSION AND SEDIMENT PRACTICES	05/01/2026

CB CHRISTOPHER B. BURKE ENGINEERING, LTD.
 9575 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500



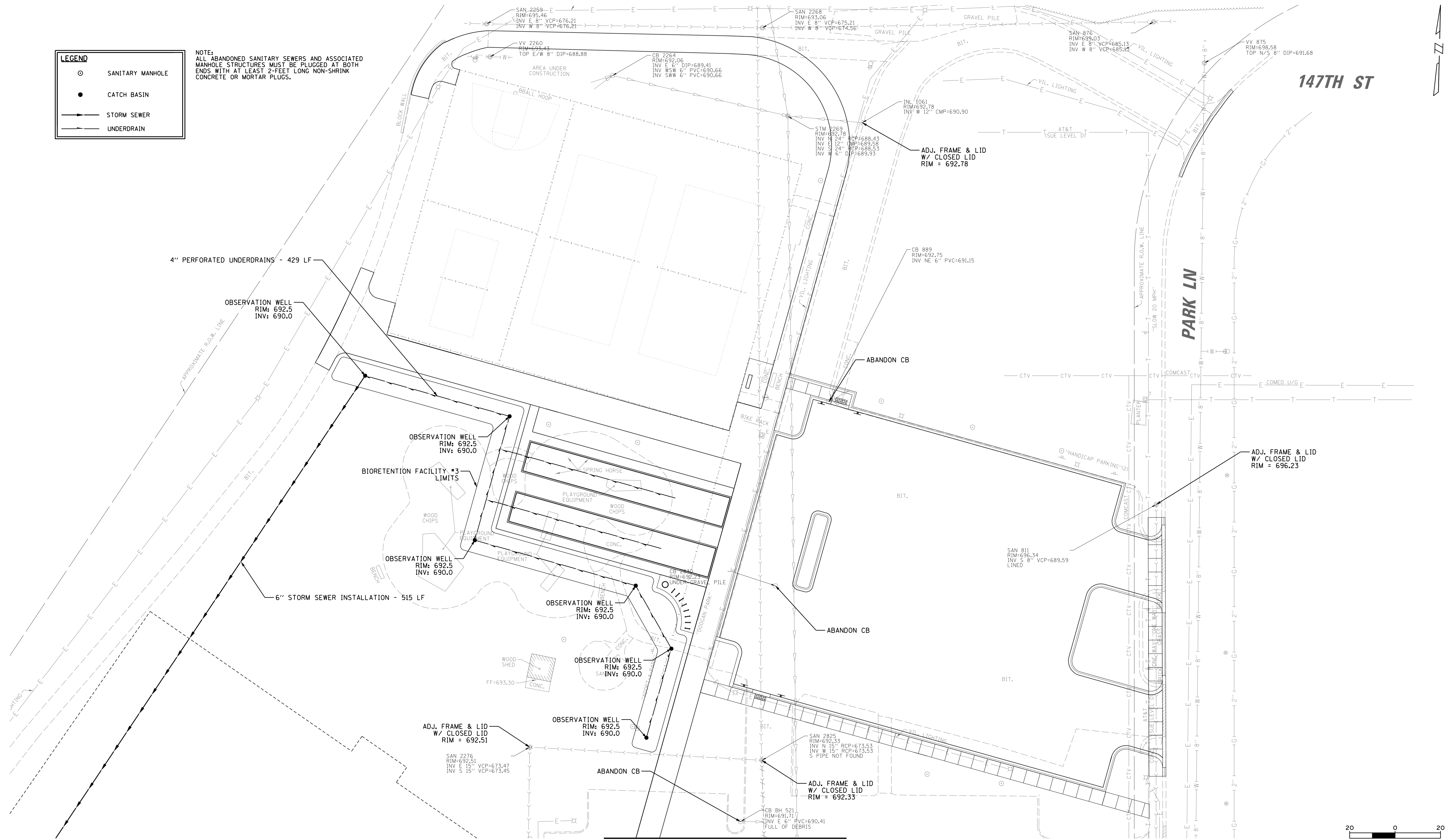
NO.	DATE	NATURE OF REVISION	CHKD.	MODEL:

TITLE: **VILLAGE OF ORLAND PARK
 DOOGAN PARK IMPROVEMENTS
 SOIL EROSION AND CONTROL PLAN**

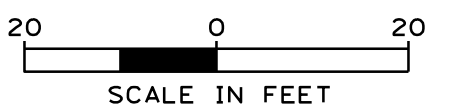
PROJ. NO. 240606
 DATE: 2/10/2026
 SHEET 16 OF 34
 DRAWING NO.
SESC

LEGEND	
○	SANITARY MANHOLE
●	CATCH BASIN
—	STORM SEWER
—	UNDERDRAIN

NOTE:
ALL ABANDONED SANITARY SEWERS AND ASSOCIATED MANHOLE STRUCTURES MUST BE PLUGGED AT BOTH ENDS WITH AT LEAST 2-FEET LONG NON-SHRINK CONCRETE OR MORTAR PLUGS.



MATCH LINE A-A



CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

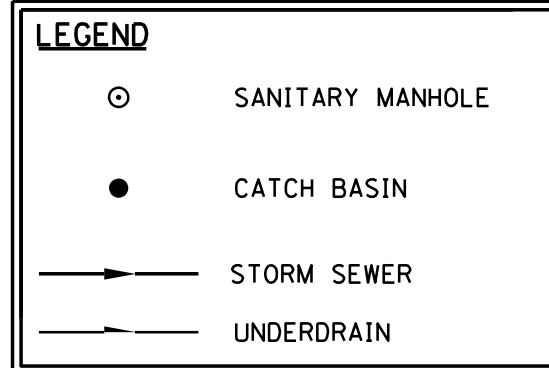


NO.	DATE	NATURE OF REVISION	CHKD.	MODEL:

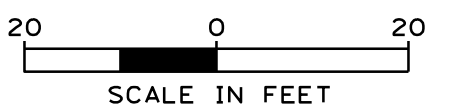
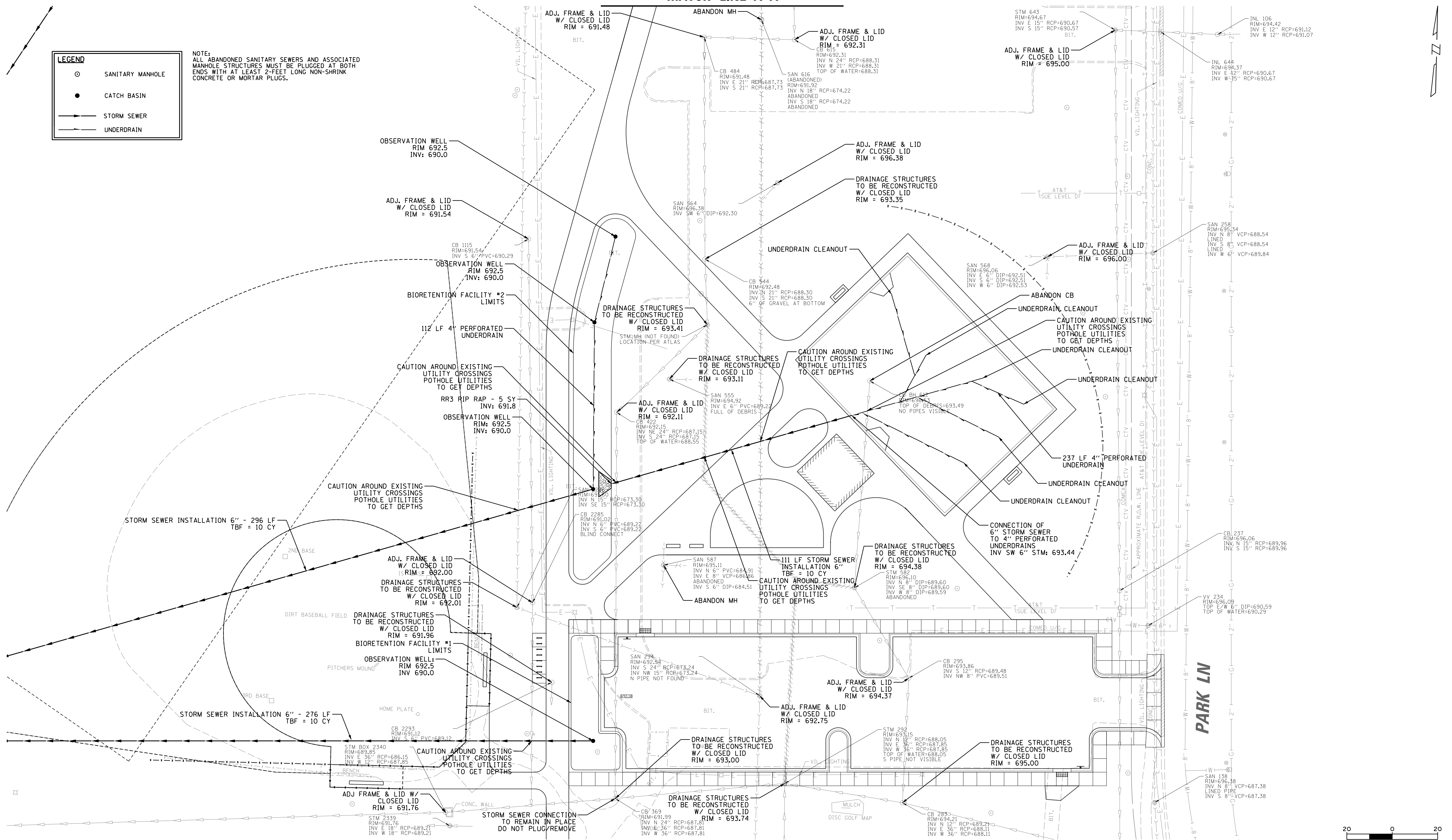
TITLE: **VILLAGE OF ORLAND PARK
DOOGAN PARK IMPROVEMENTS
UTILITY PLAN**

PROJ. NO. 240606
DATE: 2/10/2026
SHEET 17 OF 34
DRAWING NO.
UTL01

MATCH LINE A-A



NOTE:
ALL ABANDONED SANITARY SEWERS AND ASSOCIATED MANHOLE STRUCTURES MUST BE PLUGGED AT BOTH ENDS WITH AT LEAST 2-FOOT LONG NON-SHRINK CONCRETE OR MORTAR PLUGS.

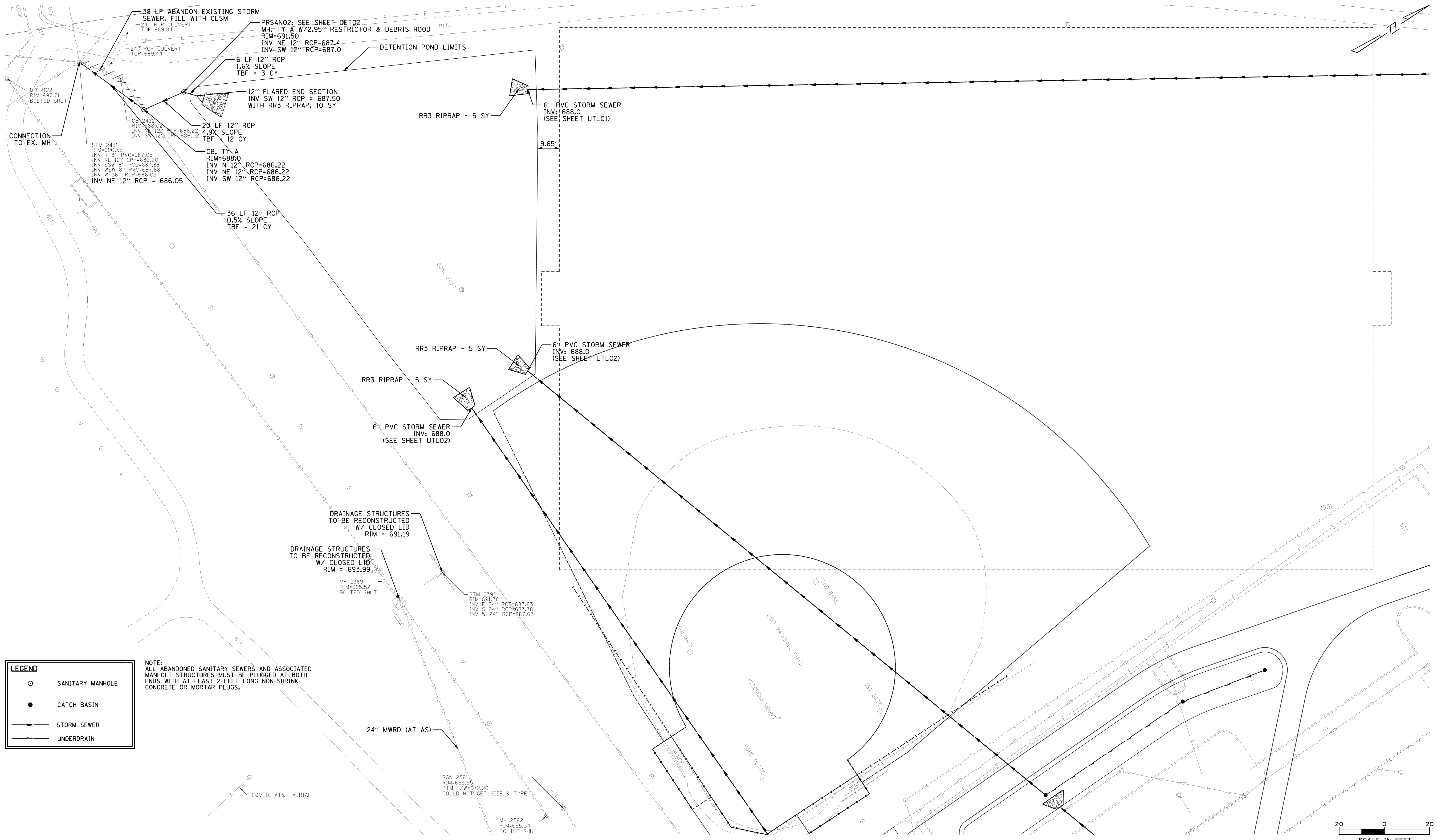


CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500



NO.	DATE	NATURE OF REVISION	CHKD.	MODEL:
FILE NAME	N:\ORLANDPARK\240606\Civil\UTL02_240606.SHT			

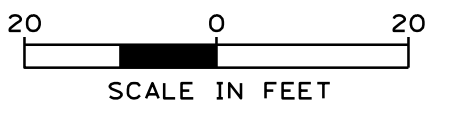
DSGN.	DJD	TITLE: VILLAGE OF ORLAND PARK DOOGAN PARK IMPROVEMENTS UTILITY PLAN
DWN.	REM	
CHKD.	DJD	
SCALE:	20'	
PLOT DATE:	2/10/2026	
CAD USER:	rmarkham	PROJ. NO. 240606
MODEL:	Default	DATE: 2/10/2026
		SHEET 18 OF 34
		DRAWING NO. UTL02



LEGEND

○	SANITARY MANHOLE
●	CATCH BASIN
—	STORM SEWER
—	UNDERDRAIN

NOTE:
ALL ABANDONED SANITARY SEWERS AND ASSOCIATED MANHOLE STRUCTURES MUST BE PLUGGED AT BOTH ENDS WITH AT LEAST 2-FOOT LONG NON-SHRINK CONCRETE OR MORTAR PLUGS.



CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500



NO.	DATE	NATURE OF REVISION	CHKD.	MODEL:
FILE NAME	N:\ORLANDPARK\240606\Civil\19_UTL03_240606.SHT			

TITLE: **VILLAGE OF ORLAND PARK
DOOGAN PARK IMPROVEMENTS
UTILITY PLAN**

PROJ. NO.	240606
DATE:	2/10/2026
SHEET	19 OF 34
DRAWING NO.	UTL03

SEED MIXES

DETENTION BOTTOM SEED MIX

IDOT Class 4B Wetland Grass & Sedge Mix

Species	Weight
Blue Joint Grass	0.12
Lake-Bank Sedge	0.06
Awl-Fruited Sedge	0.06
Tussock Sedge	0.06
Fox Sedge	0.06
Needle Spike Rush	0.03
Blunt Spike Rush	0.03
Fowl Manna Grass	0.14
Common Rush	0.06
Slender Rush	0.06
Torrey's Rush	0.06
Rice Cut Grass	0.1
Hard-Stemmed Bulrush	0.03
Dark Green Rush	0.03
River Bulrush	0.03
Softstem Bulrush	0.03
Card Grass	0.04

12lbs/acre

Cover Crop	
Annual Ryegrass	25 lbs. / acre
Spring Oats	25 lbs. / acre
Application Rate	62 lbs / acre

MEADOW MIX

Low Profile Salt Tolerant Mix

50% Topsoil / 50% Compost incidental to seed

Species	lb. / ac
Common Water Plantain	0.5
Panicled Aster	0.5
Nodding Bur Marigold	0.5
Nebraska Sedge	0.125
Expressway Sedge	0.125
Awl-fruited Sedge	0.125
Fox Sedge	2
Salt Grass	2
Creeping Spike Rush	0.125
Lake Shore Rush	0.375
Common Rush	0.06
Joint Rush	0.06
Alkali Bulrush	0.75
Chairmakers Rush	0.5
Blue Vervain	1
Red Top Grass	6
Seed Oats	64
Italian Rye	10
Creeping Bent	4
Alkali Grass	10

102.745

Application Rate	102.745
------------------	---------

NO MOW

Advanced TTTF Blend

Advanced Turf Solutions

50% Topsoil / 50% Compost incidental to seed

Species	%
Lifeguard Tall Fescue	35
Rain Dance Tall Fescue	35
Cumberland Tall Fescue	30

SEED MIX

IDOT Class 1 Lawn Mix

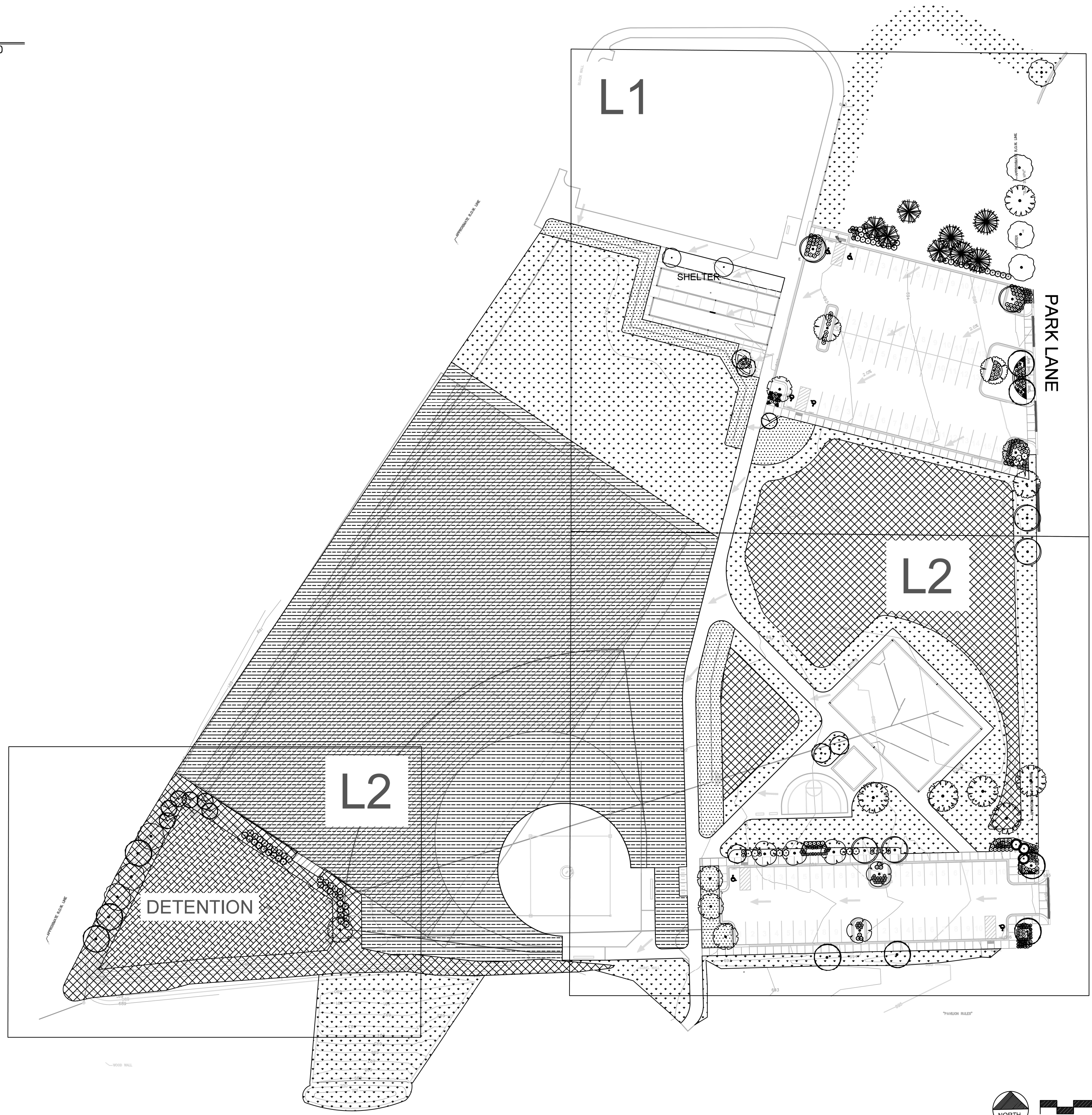
Species	lb / ac
Kentucky Bluegrass	200
Perennial Ryegrass	120
Creeping Red Fescue	80
	400

ATHLETIC SEED MIX

ConservFS Field of Dreams

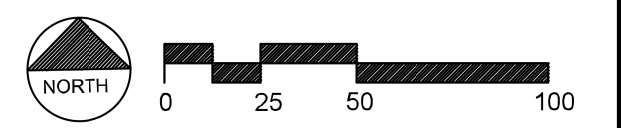
50% Topsoil / 50% Compost incidental to seed

Species	lb/ac
Kentucky Bluegrass	65
Two Different Varieties	
Perennial Ryegrass	65
Two Different Varieties	
	130



	DETENTION BOTTOM SEED MIX 1,390 SY
	MEADOW MIX 991 SY
	NO MOW / BASIN SIDE SLOPE BUFFER 4,924 SY

	SEEDING, CLASS 1 7,540 SY
	ATHLETIC SEED MIX 11,908 SY
	CORE AERATION AREA 8,490 SY



CHRISTOPHER B. BURKE ENGINEERING, LTD.
 9575 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500

CLIENT:

ORLAND PARK

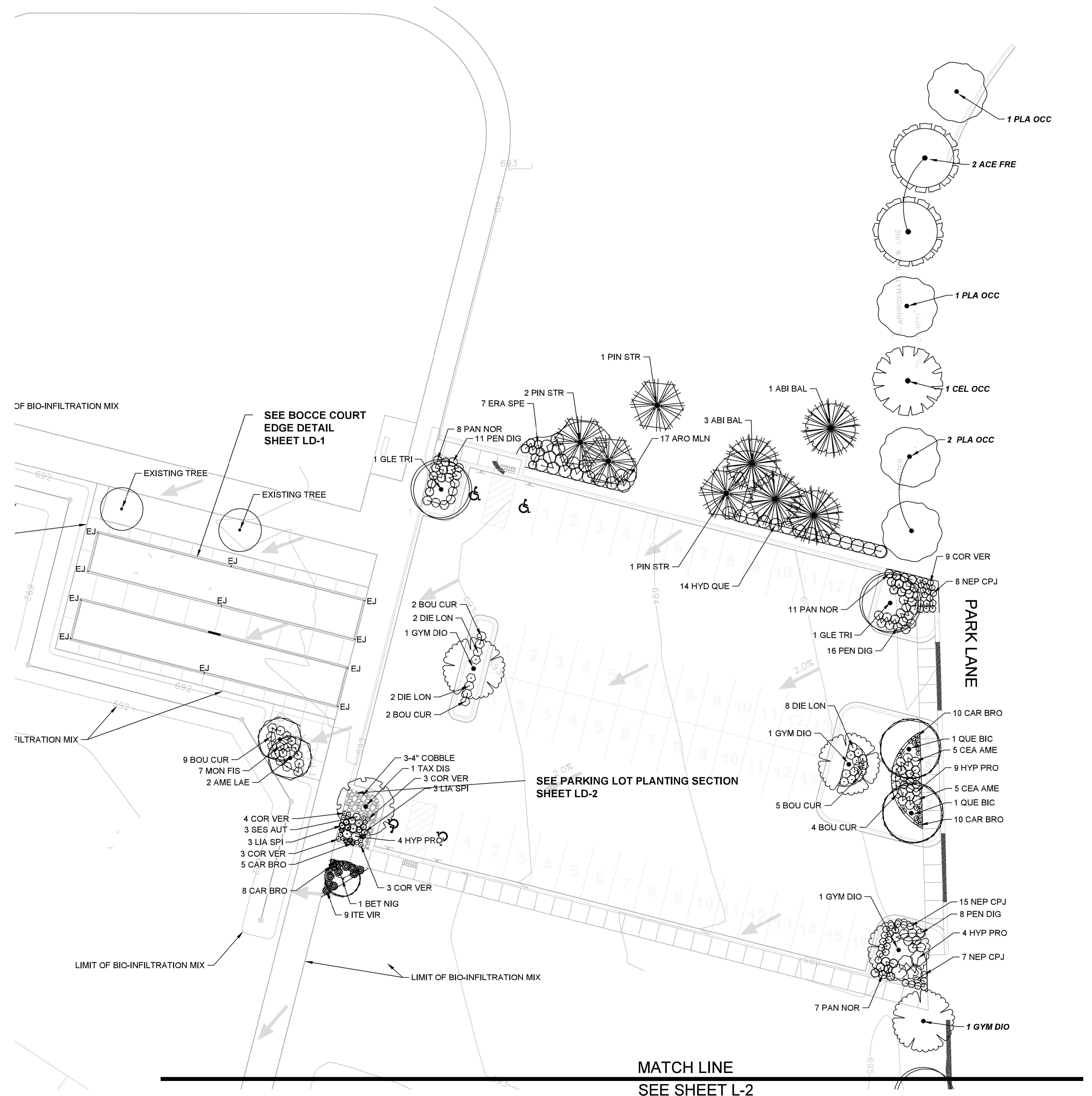
NO.	DATE	NATURE OF REVISION	CHKD.	MODEL:

TITLE: **VILLAGE OF ORLAND PARK
DOOGAN PARK IMPROVEMENTS
LANDSCAPE PLAN OVERVIEW**

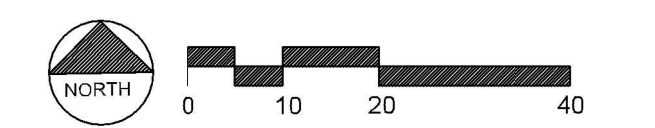
PROJ. NO.	240606
DATE:	2/10/2026
SHEET	20 OF 34
DRAWING NO.	L0

PLANT LIST

SHADE TREES 50 PLANTSWITHTHEMAX. OF ANY SPECIES=40%					
CODE	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	QTY
ACE FRE	Acer x freemanii	Freeman's Maple	2.5" Cal.	B&B	7
CEL OCC	Celtis occidentalis	Common Hackberry	2.5" Cal.	B&B	6
GLE TRI	Gleditsia triacanthos	Honey Locust	2.5" Cal.	B&B	6
GYM DIO	Gymnocladus dioicus	Kentucky Coffeetree	2.5" Cal.	B&B	6
QUE BIC	Quercus bicolor	Swamp White Oak	2.5" Cal.	B&B	7
PLA OCC	Platanus occidentalis	Sycamore	2.5" Cal.	B&B	7
TAX DIS	Taxodium distichum	Bald Cypress	2.5" Cal.	B&B	5
TIL AME	Tilia americana	American Linden	2.5" Cal.	B&B	5
					49
EVERGREEN TREES 9 PLANTSWITHTHEMAX. OF ANY SPECIES=45%					
ABI BAL	Abies balsamea	Balsam Fir	8' Ht.	B&B	4
JUN EAS	Juniperus virginiana	Eastern Redcedar	8' Ht.	B&B	4
PIN STR	Pinus strobus	White Pine	8' Ht.	B&B	3
					11
UNDERSTORY TREES 13 PLANTSWITHTHEMAX. OF ANY SPECIES=60%					
AME LAE	Amelanchier laevis	Allegheny Spicebush	6' Ht.	B&B	3
BET NIG	Betula nigra 'Little King'	Fox Valley River Birch	6' Ht.	B&B	7
MAL PRA	Malus Prairiefire	Prairiefire Crabapple	2.5" Cal.	B&B	2
					12
SHRUBS 99 PLANTSWITHTHEMAX. OF ANY SPECIES=40%					
ARO MLN	Aronia melanocarpa	Black Chokeberry	#5	Container	21
CEA AME	Ceanothus americanus	New Jersey Tea	#3	Container	10
COR RES	Cornus sericea	Red Twig Dogwood	#5	Container	22
DIE LON	Diervilla lonicera	Dwarf Bush Honeysuckle	#3	Container	12
HYD QUE	Hydrangea quercifolia	Oakleaf Hydrangea	#5	Container	14
HYP PRO	Hypericum prolificum	Shrubby St. Johns Wort	#3	Container	17
ITE VIR	Itea virginica 'Sprich'	Virginia Sweetpire	#3	Container	9
VID ACE	Viburnum acerifolium	Maple Leaf Viburnum	#5	Container	20
					125
PERENNIALS 192 PLANTSWITHTHEMAX. OF ANY SPECIES=30%					
ACH MIL	Achillea millefolium	Common Yarrow	#1	Container	13
ALL CER	Allium cernuum	Nodding Wild Onion	#1	Container	11
BAPAUS	Baptisia australis	Blue Wild Indigo	#1	Container	14
COR VER	Coreopsis verticillata 'Moonbeam'	Moonbeam Tickseed	#1	Container	46
LIA SPI	Liatris spicata	Blazing Star	#1	Container	21
MON FIS	Monarda fistulosa	Wild Bergamont	#1	Container	18
NEP CPJ	Nepeta x 'Cat's Pajamas'	Cat's Pajamas Catmint	#1	Container	52
PEN DIG	Penstemon digitalis 'Husker Red'	Husker Red Beardtongue	#1	Container	42
					217
NATIVE GRASSES 106 PLANTSWITHTHEMAX. OF ANY SPECIES=30%					
BOU CUR	Bouteloua curtipendula	Side-Oats Grama	#1	Container	27
CAR BRO	Carex bromoides	Brome Hummock Sedge	#1	Container	41
ERASPE	Eragrostis spectabilis	Purple Lovegrass	#1	Container	18
PAN NOR	Panicum virgatum 'Northwind'	Northwind Switch Grass	#1	Container	32
SCH SCO	Schizachyrium scoparium 'The Blues'	The Blues Little Bluestem	#1	Container	32
SES AUT	Sesleria autumnalis	Autumn Moor Grass	#1	Container	15
					97



NOTE: NEW PARKWAY TREES ARE INDICATED WITH BOLD AND ITALIC LABELS



CHRISTOPHER B. BURKE ENGINEERING, LTD.
 9575 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500

CLIENT:
ORLAND PARK

NO.	DATE	NATURE OF REVISION	CHKD.	MODEL:
FILE NAME	N:\ORLANDPARK\240606\Civil\21.LI.240606.SHT			

DSGN.	DJD
DWN.	REM
CHKD.	DJD
SCALE:	20'
PLOT DATE:	2/10/2026
CAD USER:	rmarkham
MODEL:	Default

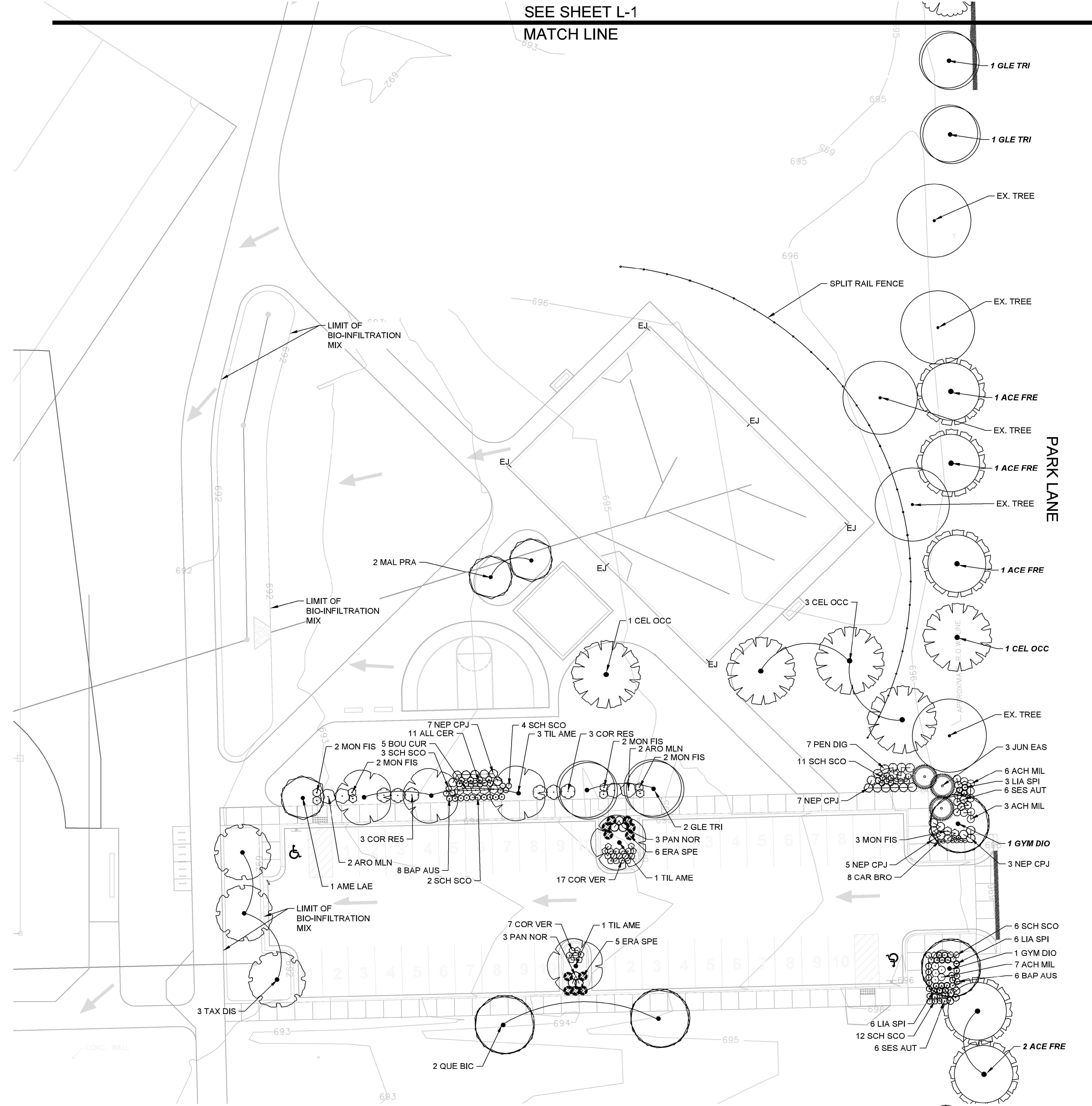
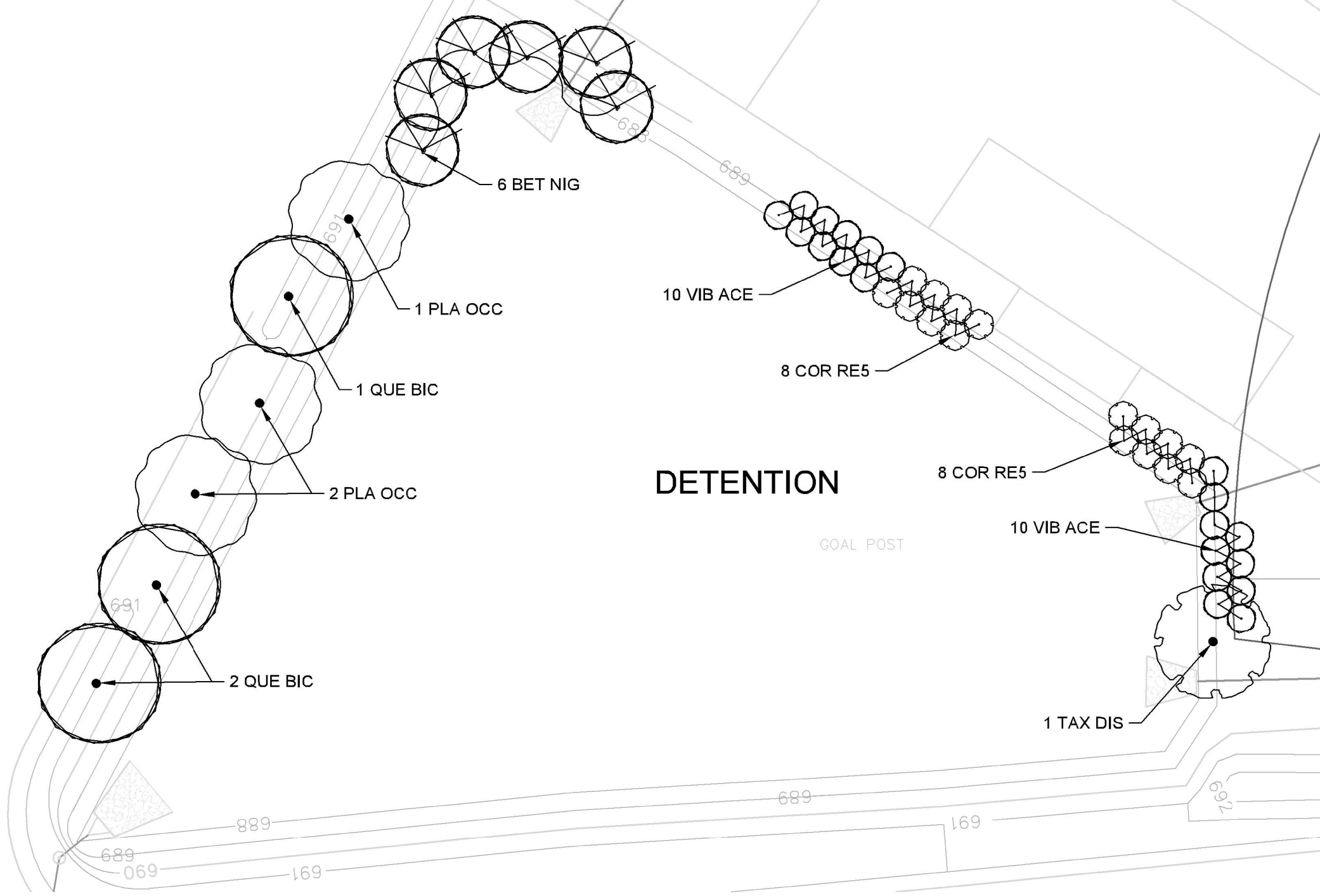
TITLE: **VILLAGE OF ORLAND PARK DOOGAN PARK IMPROVEMENTS LANDSCAPE SHEETS**

PROJ. NO.	240606
DATE:	2/10/2026
SHEET	21 OF 34
DRAWING NO.	L1

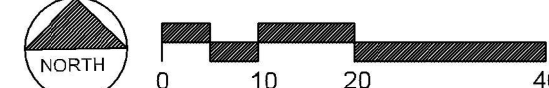
PLANT LIST

Table with columns: CODE, BOTANICAL NAME, COMMON NAME, SIZE, CONTAINER, QTY. Includes sections for SHADE TREES, EVERGREEN TREES, UNDERSTORY TREES, SHRUBS, PERENNIALS, and NATIVE GRASSES.

SEE SHEET L-1
MATCH LINE



NOTE: NEW PARKWAY TREES ARE INDICATED WITH BOLD AND ITALIC LABELS



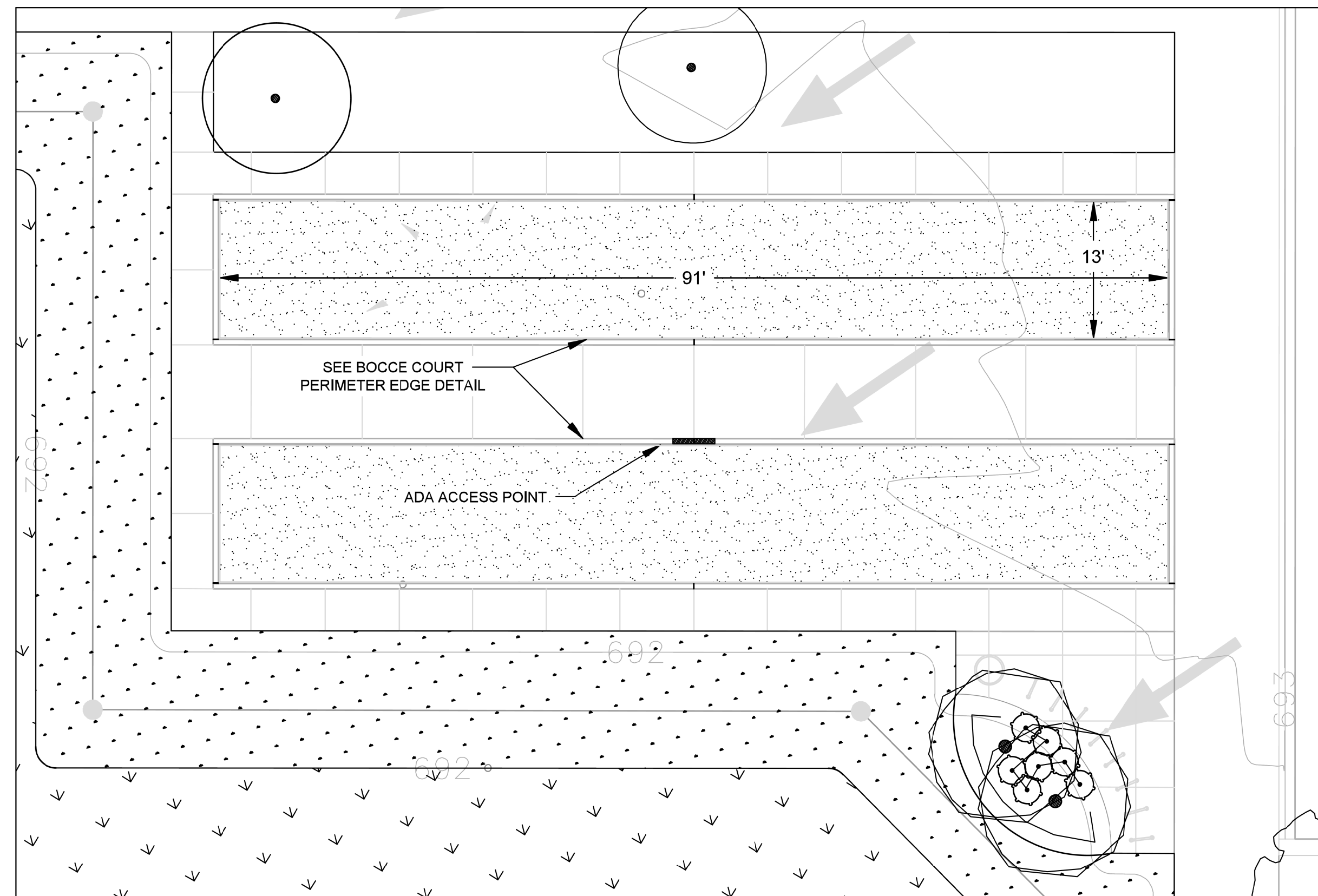
CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500



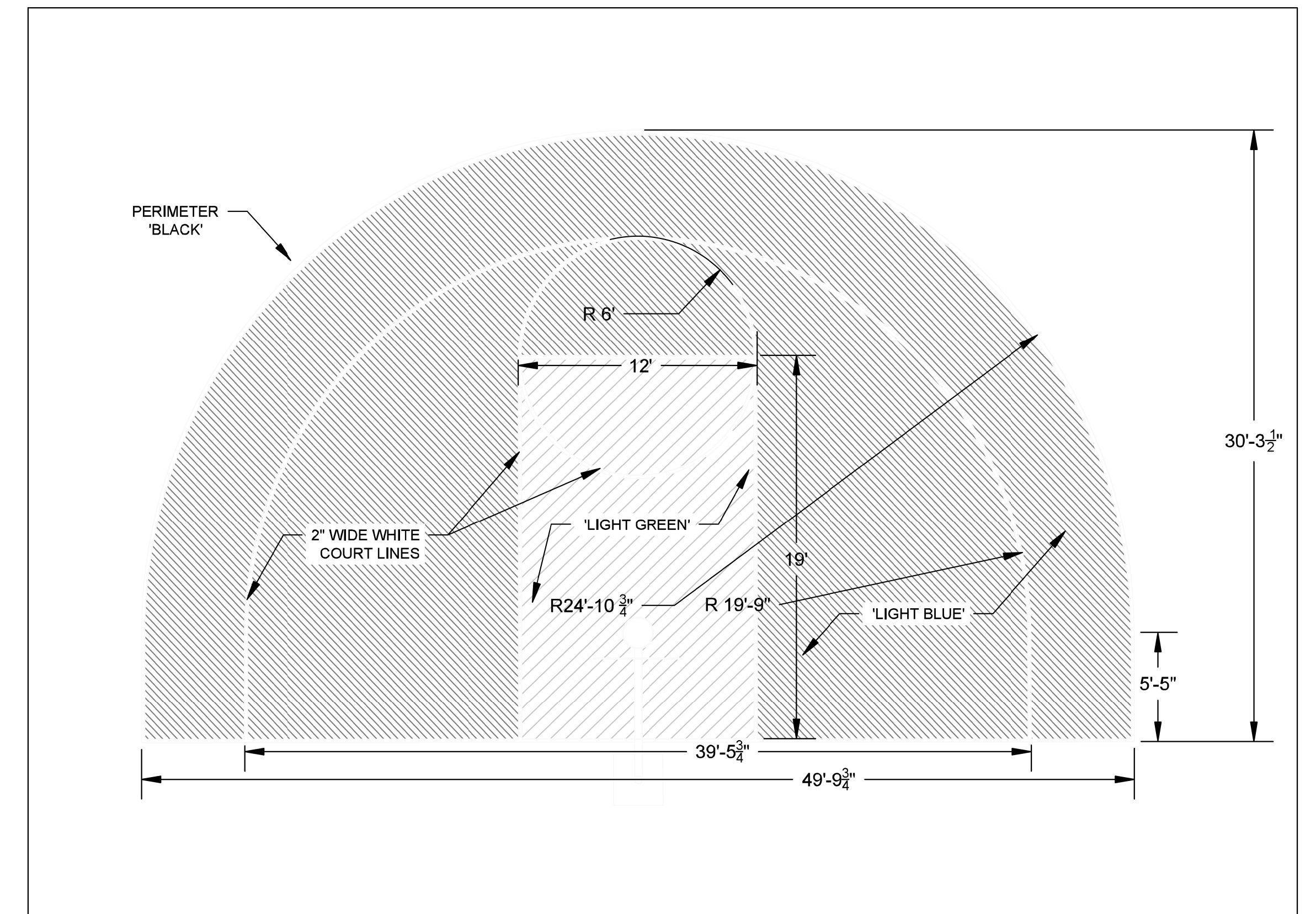
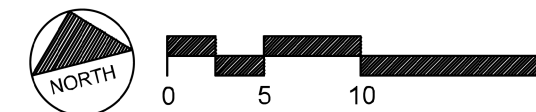
Revision table with columns: NO., DATE, NATURE OF REVISION, CHKD., MODEL.

TITLE: VILLAGE OF ORLAND PARK
DOOGAN PARK IMPROVEMENTS
LANDSCAPE SHEETS

PROJ. NO. 240606
DATE: 2/10/2026
SHEET 22 OF 34
DRAWING NO.
L2

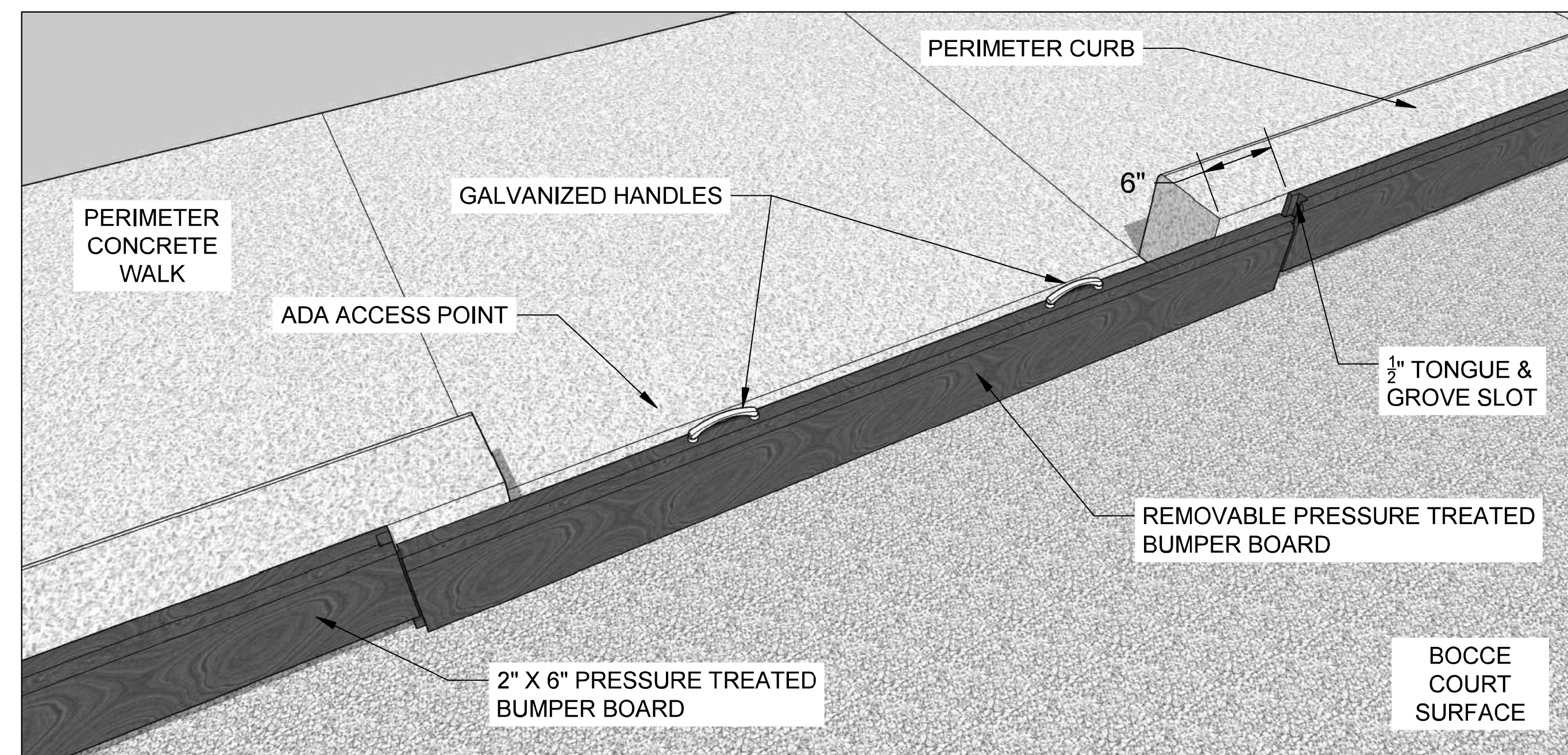


BOCCE BALL COURT LAYOUT DETAIL



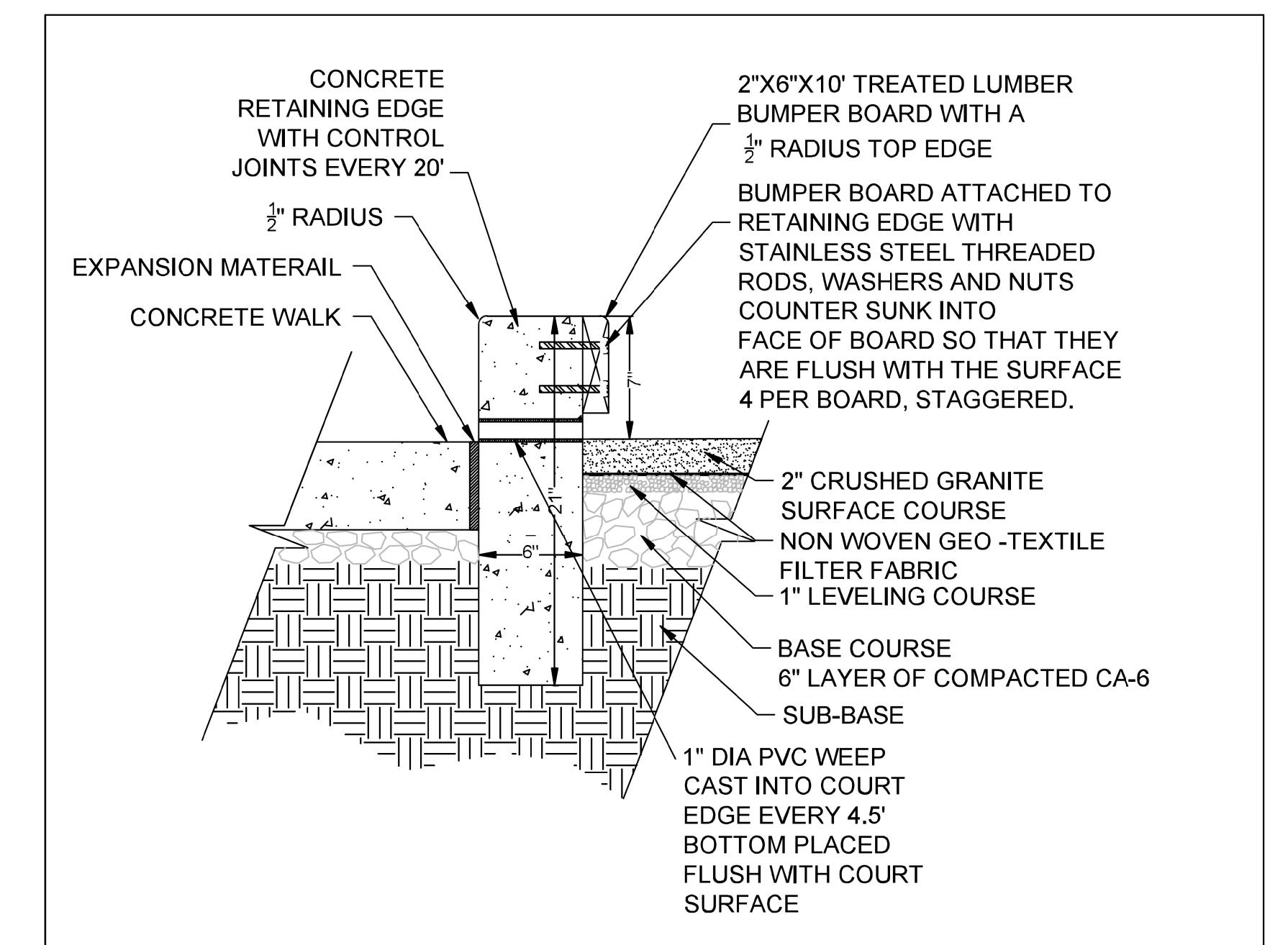
BASKETBALL COURT LAYOUT DETAIL
(ACRYLIC COLOR COATING SYSTEM, SPECIAL)

3/16" = 1'-0"



BOCCE BALL COURT ADA ACCESS GATE DETAIL

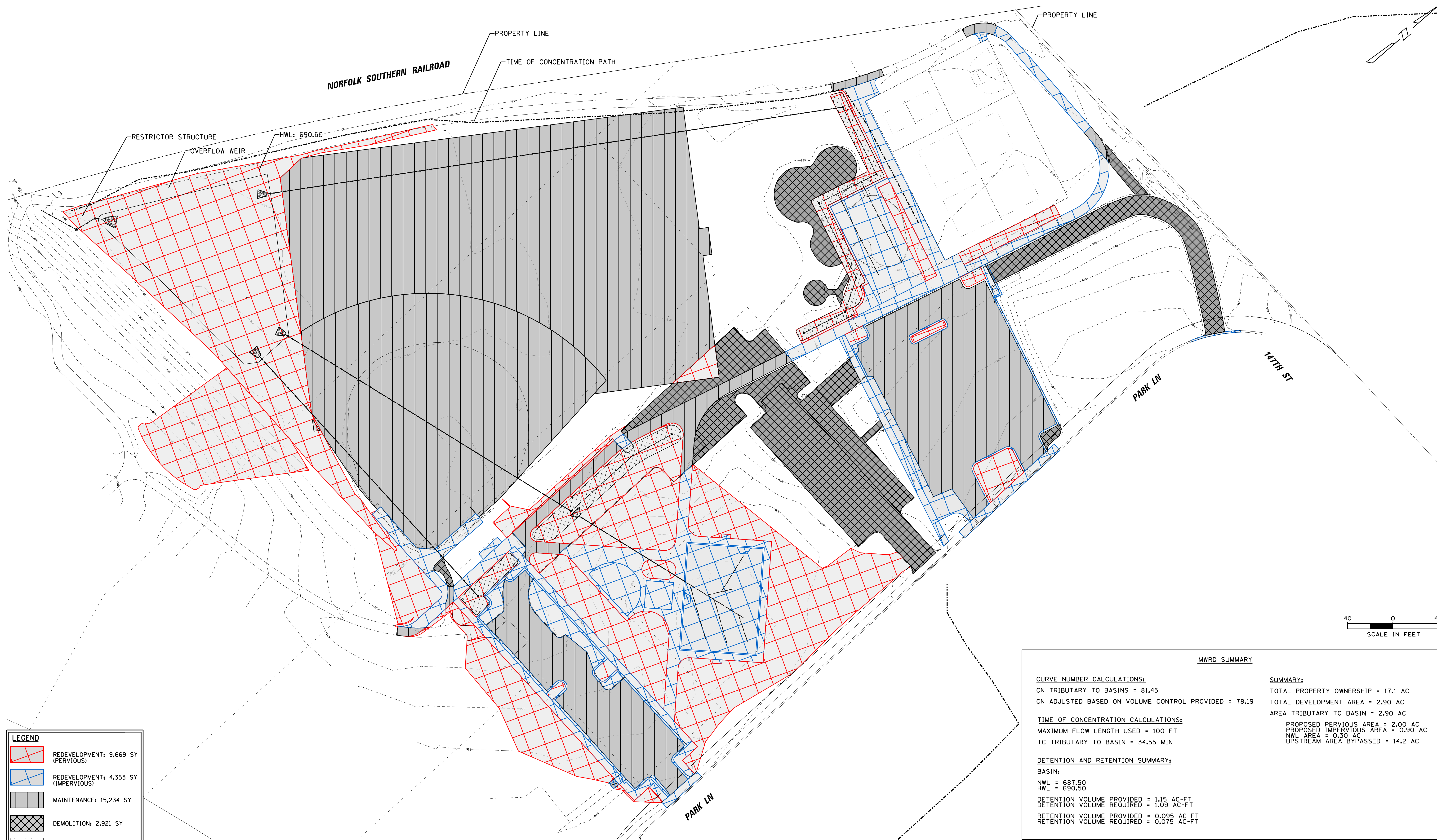
NTS



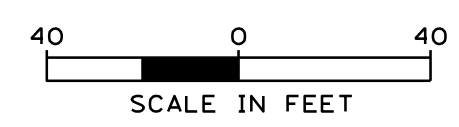
BOCCE COURT PERIMETER EDGE DETAIL

See sheet L1 for the locations of the perimeter edge expansion joint (EJ) locations.

1 1/2" = 1'-0"



LEGEND	
	REDEVELOPMENT: 9,669 SY (PERVIOUS)
	REDEVELOPMENT: 4,353 SY (IMPERVIOUS)
	MAINTENANCE: 15,234 SY
	DEMOLITION: 2,921 SY
	VOLUME CONTROL AREA



MWRD SUMMARY	
CURVE NUMBER CALCULATIONS:	SUMMARY:
CN TRIBUTARY TO BASINS = 81.45	TOTAL PROPERTY OWNERSHIP = 17.1 AC
CN ADJUSTED BASED ON VOLUME CONTROL PROVIDED = 78.19	TOTAL DEVELOPMENT AREA = 2.90 AC
	AREA TRIBUTARY TO BASIN = 2.90 AC
TIME OF CONCENTRATION CALCULATIONS:	PROPOSED PERVIOUS AREA = 2.00 AC
MAXIMUM FLOW LENGTH USED = 100 FT	PROPOSED IMPERVIOUS AREA = 0.90 AC
TC TRIBUTARY TO BASIN = 34.55 MIN	NWL AREA = 0.30 AC
	UPSTREAM AREA BYPASSED = 14.2 AC
DETENTION AND RETENTION SUMMARY:	
BASIN:	
NWL = 687.50	
HWL = 690.50	
DETENTION VOLUME PROVIDED = 1.15 AC-FT	
DETENTION VOLUME REQUIRED = 1.09 AC-FT	
RETENTION VOLUME PROVIDED = 0.095 AC-FT	
RETENTION VOLUME REQUIRED = 0.075 AC-FT	

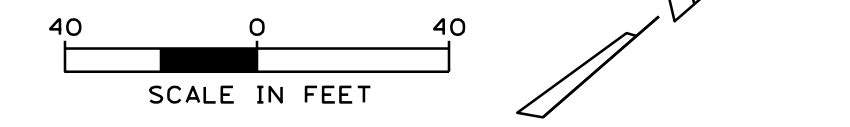
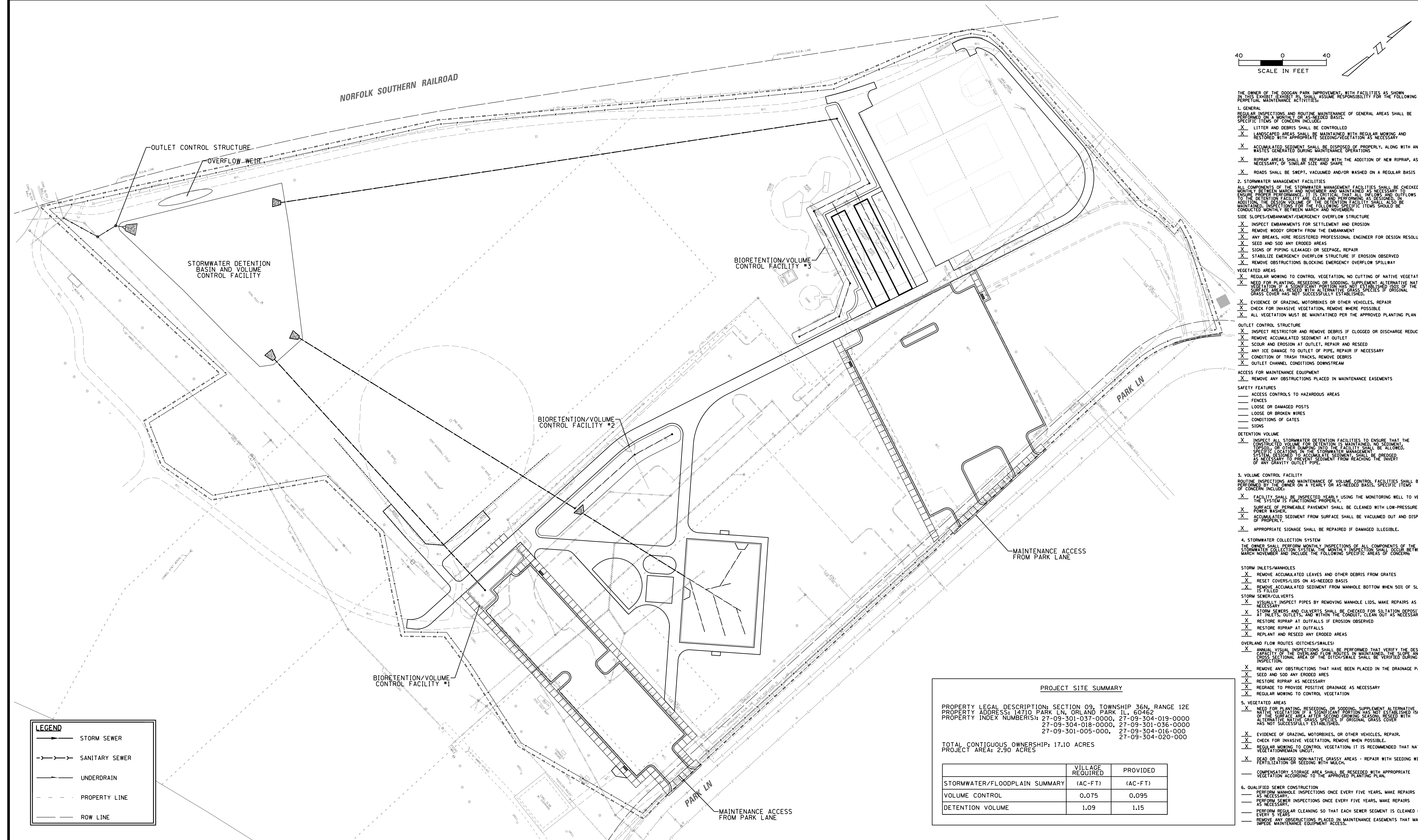
CHRISTOPHER B. BURKE ENGINEERING, LTD.
 9575 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500

CLIENT:
ORLAND PARK

NO.	DATE	NATURE OF REVISION	CHKD.	MODEL:
				Default

TITLE: **VILLAGE OF ORLAND PARK
 DOOGAN PARK IMPROVEMENTS
 DRAINAGE EXHIBIT**

PROJ. NO. 240606
DATE: 2/10/2026
SHEET 26 OF 34
DRAWING NO. RAM



- THE OWNER OF THE DOOGAN PARK IMPROVEMENTS, WITH FACILITIES AS SHOWN IN THIS EXHIBIT (EXHIBIT B), SHALL ASSUME RESPONSIBILITY FOR THE FOLLOWING PERIODIC MAINTENANCE ACTIVITIES:
- GENERAL
 - REGULAR INSPECTIONS AND ROUTINE MAINTENANCE OF GENERAL AREAS SHALL BE PERFORMED ON A MONTHLY OR AS-NEEDED BASIS. SPECIFIC ITEMS OF CONCERN INCLUDE:
 - LITTER AND DEBRIS SHALL BE CONTROLLED
 - LANDSCAPED AREAS SHALL BE MAINTAINED WITH REGULAR MOWING AND RESTORED WITH APPROPRIATE SEEDING/VEGETATION AS NECESSARY
 - ACCUMULATED SEDIMENT SHALL BE DISPOSED OF PROPERLY, ALONG WITH ANY WASTES GENERATED DURING MAINTENANCE OPERATIONS
 - RIPPAP AREAS SHALL BE REPAIRED WITH THE ADDITION OF NEW RIPRAP, AS NECESSARY, OF SIMILAR SIZE AND SHAPE
 - ROADS SHALL BE SWEEPED, VACUUMED AND/OR WASHED ON A REGULAR BASIS
 - STORMWATER MANAGEMENT FACILITIES
 - ALL COMPONENTS OF THE STORMWATER MANAGEMENT FACILITIES SHALL BE CHECKED MONTHLY BETWEEN MARCH AND NOVEMBER AND MAINTAINED AS NECESSARY TO ENSURE PROPER PERFORMANCE. IT IS CRITICAL THAT ALL INFLOWS AND OUTFLOWS TO THE DETENTION FACILITY ARE CLEAR AND PERFORMING AS DESIGNED. IN ADDITION, THE DESIGN VOLUME OF THE DETENTION FACILITY SHALL ALSO BE MAINTAINED. INSPECTIONS FOR THE FOLLOWING SPECIFIC ITEMS SHOULD BE CONDUCTED MONTHLY BETWEEN MARCH AND NOVEMBER:
 - SIDE SLOPES/EMBANKMENT/EMERGENCY OVERFLOW STRUCTURE
 - INSPECT EMBANKMENTS FOR SETTLEMENT AND EROSION
 - REMOVE WOODY GROWTH FROM THE EMBANKMENT
 - ANY BREAKS, HIRE REGISTERED PROFESSIONAL ENGINEER FOR DESIGN RESOLUTION
 - SEED AND SOO ANY ERODED AREAS
 - SIGNS OF PIPING (LEAKAGE) OR SEEPAGE, REPAIR
 - STABILIZE EMERGENCY OVERFLOW STRUCTURE IF EROSION OBSERVED
 - REMOVE OBSTRUCTIONS BLOCKING EMERGENCY OVERFLOW SPILLWAY
 - VEGETATED AREAS
 - REGULAR MOWING TO CONTROL VEGETATION, NO CUTTING OF NATIVE VEGETATION
 - NEED FOR PLANTING, RESEEDING OR SOODING, SUPPLEMENT ALTERNATIVE NATIVE VEGETATION IF A SIGNIFICANT PORTION HAS NOT ESTABLISHED 150% OF THE SURFACE AREA AFTER SECOND GROWING SEASON, RESEED WITH ALTERNATIVE GRASS SPECIES IF ORIGINAL GRASS COVER HAS NOT SUCCESSFULLY ESTABLISHED.
 - EVIDENCE OF GRAZING, MOTORBIKES OR OTHER VEHICLES, REPAIR
 - CHECK FOR INVASIVE VEGETATION, REMOVE WHEN POSSIBLE
 - ALL VEGETATION MUST BE MAINTAINED PER THE APPROVED PLANTING PLAN
 - OUTLET CONTROL STRUCTURE
 - INSPECT RESTRICTOR AND REMOVE DEBRIS IF CLOGGED OR DISCHARGE REDUCED
 - REMOVE ACCUMULATED SEDIMENT AT OUTLET
 - SCOUR AND EROSION AT OUTLET, REPAIR AND RESEED
 - ANY ICE DAMAGE TO OUTLET OF PIPE, REPAIR IF NECESSARY
 - CONDITION OF TRASH TRACKS, REMOVE DEBRIS
 - OUTLET CHANNEL CONDITIONS DOWNSTREAM
 - ACCESS FOR MAINTENANCE EQUIPMENT
 - REMOVE ANY OBSTRUCTIONS PLACED IN MAINTENANCE EASEMENTS
 - SAFETY FEATURES
 - ACCESS CONTROLS TO HAZARDOUS AREAS
 - FENCES
 - LOOSE OR DAMAGED POSTS
 - LOOSE OR BROKEN WIRES
 - CONDITIONS OF GATES
 - SIGNS
 - DETENTION VOLUME
 - INSPECT ALL STORMWATER DETENTION FACILITIES TO ENSURE THAT THE CONSTRUCTED VOLUME FOR DETENTION IS MAINTAINED, NO SEDIMENT TOPSOIL OR OTHER DUMPING INTO THE FACILITY SHALL BE ALLOWED. SPECIFIC LOCATIONS IN THE STORMWATER MANAGEMENT SYSTEM DESIGNED TO ACCUMULATE SEDIMENT SHALL BE DREGGED AS NECESSARY TO PREVENT SEDIMENT FROM REACHING THE INVERT OF ANY GRAVITY OUTLET PIPE.
 - VOLUME CONTROL FACILITY
 - ROUTINE INSPECTIONS AND MAINTENANCE OF VOLUME CONTROL FACILITIES SHALL BE PERFORMED BY THE OWNER ON A YEARLY OR AS-NEEDED BASIS. SPECIFIC ITEMS OF CONCERN INCLUDE:
 - FACILITY SHALL BE INSPECTED YEARLY USING THE MONITORING WELL TO VERIFY THE SYSTEM IS FUNCTIONING PROPERLY.
 - SURFACE OF PERMEABLE PAVEMENT SHALL BE CLEANED WITH LOW-PRESSURE POWER WASHER.
 - ACCUMULATED SEDIMENT FROM SURFACE SHALL BE VACUUMED OUT AND DISPOSED OF PROPERLY.
 - APPROPRIATE SIGNAGE SHALL BE REPAIRED IF DAMAGED ILLEGIBLE.
 - STORMWATER COLLECTION SYSTEM
 - THE OWNER SHALL PERFORM MONTHLY INSPECTIONS OF ALL COMPONENTS OF THE STORMWATER COLLECTION SYSTEM. THE MONTHLY INSPECTION SHALL OCCUR BETWEEN MARCH AND NOVEMBER AND INCLUDE THE FOLLOWING SPECIFIC AREAS OF CONCERN:
 - STORM INLETS/MANHOLES
 - REMOVE ACCUMULATED LEAVES AND OTHER DEBRIS FROM GRATES
 - RESET COVERS/LIDS ON AS-NEEDED BASIS
 - REMOVE ACCUMULATED SEDIMENT FROM MANHOLE BOTTOM WHEN 50% OF SLUMP IS FILLED
 - STORM SEWER/CULVERTS
 - VISUALLY INSPECT PIPES BY REMOVING MANHOLE LIDS, MAKE REPAIRS AS NECESSARY
 - STORM SEWERS AND CULVERTS SHALL BE CHECKED FOR SILTATION DEPOSITS AT INLETS, OUTLETS, AND WITHIN THE CONDUIT, CLEAN OUT AS NECESSARY
 - RESTORE RIPRAP AT OUTFALLS IF EROSION OBSERVED
 - RESTORE RIPRAP AT OUTFALLS
 - REPLANT AND RESEED ANY ERODED AREAS
 - OVERLAND FLOW ROUTES (DITCHES/SWALES)
 - ANNUAL VISUAL INSPECTIONS SHALL BE PERFORMED THAT VERIFY THE DESIGN CAPACITY OF THE OVERLAND FLOW ROUTES IS MAINTAINED, THE SLOPE AND CROSS-SECTIONAL AREA OF THE DITCH/SWALE SHALL BE VERIFIED DURING INSPECTION.
 - REMOVE ANY OBSTRUCTIONS THAT HAVE BEEN PLACED IN THE DRAINAGE PATH
 - SEED AND SOO ANY ERODED AREAS
 - RESTORE RIPRAP AS NECESSARY
 - REGRADE TO PROVIDE POSITIVE DRAINAGE AS NECESSARY
 - REGULAR MOWING TO CONTROL VEGETATION
 - VEGETATED AREAS
 - NEED FOR PLANTING, RESEEDING OR SOODING, SUPPLEMENT ALTERNATIVE NATIVE VEGETATION IF A SIGNIFICANT PORTION HAS NOT ESTABLISHED 150% OF THE SURFACE AREA AFTER SECOND GROWING SEASON, RESEED WITH ALTERNATIVE GRASS SPECIES IF ORIGINAL GRASS COVER HAS NOT SUCCESSFULLY ESTABLISHED.
 - EVIDENCE OF GRAZING, MOTORBIKES, OR OTHER VEHICLES, REPAIR.
 - CHECK FOR INVASIVE VEGETATION, REMOVE WHEN POSSIBLE.
 - REGULAR MOWING TO CONTROL VEGETATION; IT IS RECOMMENDED THAT NATIVE VEGETATION REMAIN UNCLUT.
 - LAND OR DAMAGED NON-NATIVE GRASSY AREAS - REPAIR WITH SEEDING WITH FERTILIZATION OR SEEDING WITH MULCH.
 - COMPENSATORY STORAGE AREA SHALL BE RESEEDED WITH APPROPRIATE VEGETATION ACCORDING TO THE APPROVED PLANTING PLAN.
 - QUALIFIED SEWER CONSTRUCTION
 - PERFORM MANHOLE INSPECTIONS ONCE EVERY FIVE YEARS, MAKE REPAIRS AS NECESSARY.
 - PERFORM SEWER INSPECTIONS ONCE EVERY FIVE YEARS, MAKE REPAIRS AS NECESSARY.
 - PERFORM REGULAR CLEANING SO THAT EACH SEWER SEGMENT IS CLEANED ONCE EVERY 5 YEARS
 - REMOVE ANY OBSTRUCTIONS PLACED IN MAINTENANCE EASEMENTS THAT MAY IMPEDE MAINTENANCE EQUIPMENT ACCESS.

PROJECT SITE SUMMARY

PROPERTY LEGAL DESCRIPTION: SECTION 09, TOWNSHIP 36N, RANGE 12E
 PROPERTY ADDRESS: 14710 PARK LN, ORLAND PARK, IL, 60462
 PROPERTY INDEX NUMBERS: 27-09-301-037-0000, 27-09-304-019-0000
 27-09-304-018-0000, 27-09-301-036-0000
 27-09-301-005-000, 27-09-304-016-000
 27-09-304-020-000

TOTAL CONTIGUOUS OWNERSHIP: 17.10 ACRES
 PROJECT AREA: 2.90 ACRES

	VILLAGE REQUIRED (AC-FT)	PROVIDED (AC-FT)
STORMWATER/FLOODPLAIN SUMMARY		
VOLUME CONTROL	0.075	0.095
DETENTION VOLUME	1.09	1.15

LEGEND

- STORM SEWER
- - - - - SANITARY SEWER
- UNDERDRAIN
- - - - - PROPERTY LINE
- ROW LINE

CHRISTOPHER B. BURKE ENGINEERING, LTD.
 9575 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500

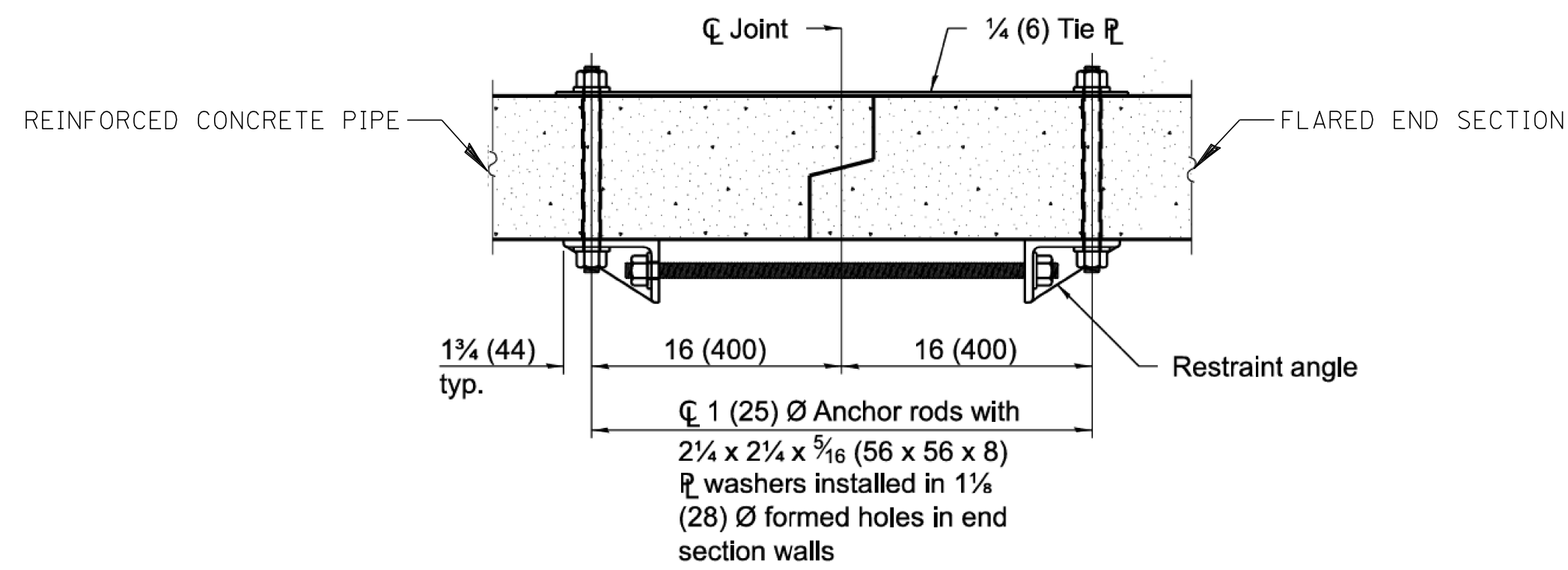
CLIENT:
 **ORLAND PARK**

NO.	DATE	NATURE OF REVISION	CHKD.	MODEL:
				Default

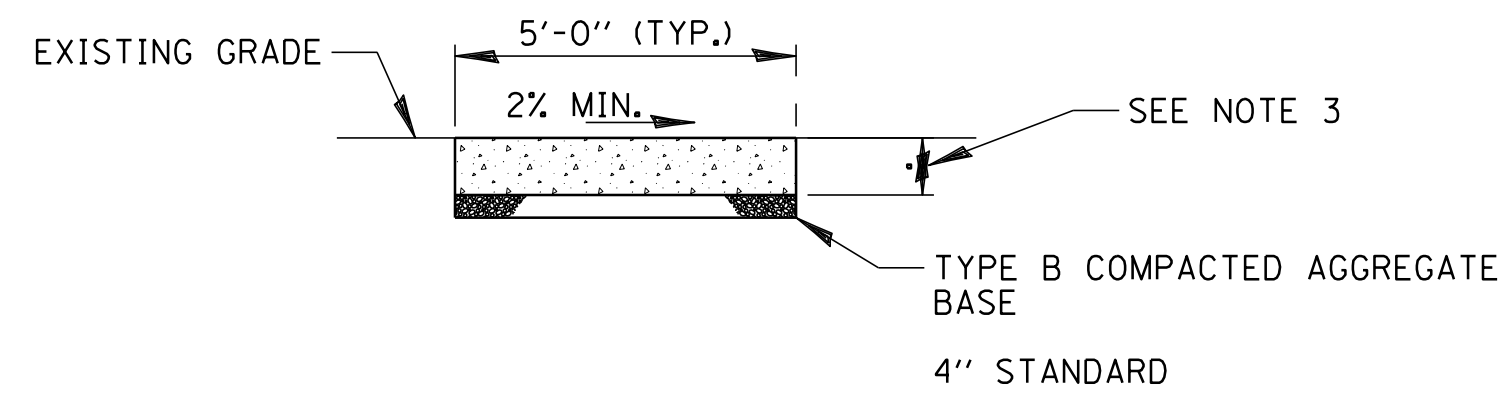
DSGN. DJD
 DWN. REM
 CHKD. DJD
 SCALE: 40'
 PLOT DATE: 2/10/2026
 CAD USER: rmarkham

TITLE: **VILLAGE OF ORLAND PARK
 DOOGAN PARK IMPROVEMENTS
 MAINTENANCE AND MONITORING PLAN**

PROJ. NO. 240606
 DATE: 2/10/2026
 SHEET 27 OF 34
 DRAWING NO.
MM



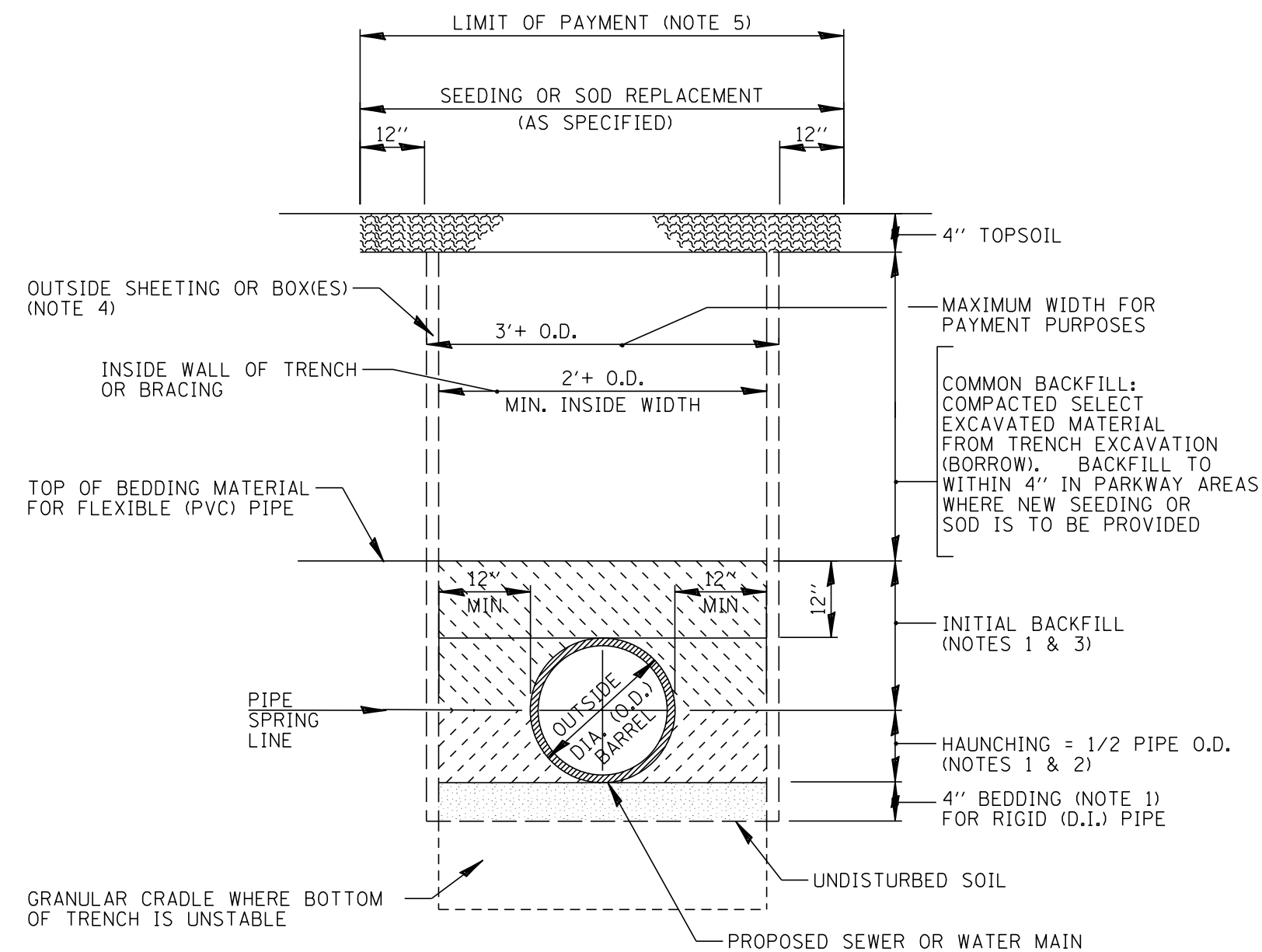
DETENTION POND CONNECTION, DETAIL



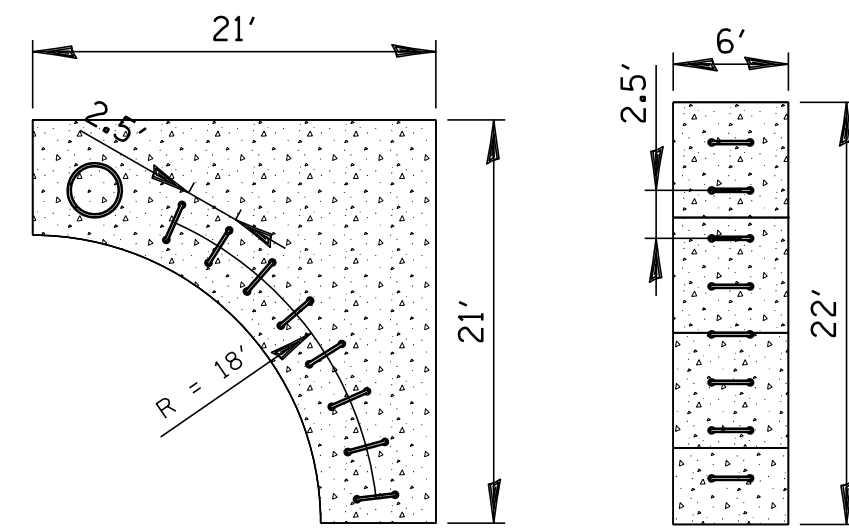
NOTES:

1. SIDEWALK CONSTRUCTION SHALL CONFORM WITH VILLAGE STANDARDS.
2. CROSS SLOPE SHALL BE MAXIMUM 2% OR AS OTHERWISE SHOWN.
3. SIDEWALK DEPTH SHALL BE 5 INCHES STANDARD, 6" THROUGH DRIVEWAY AND SHALL BE PAID FOR AS PCC SIDEWALK, 5" AND PCC SIDEWALK, 6" ACCORDINGLY.

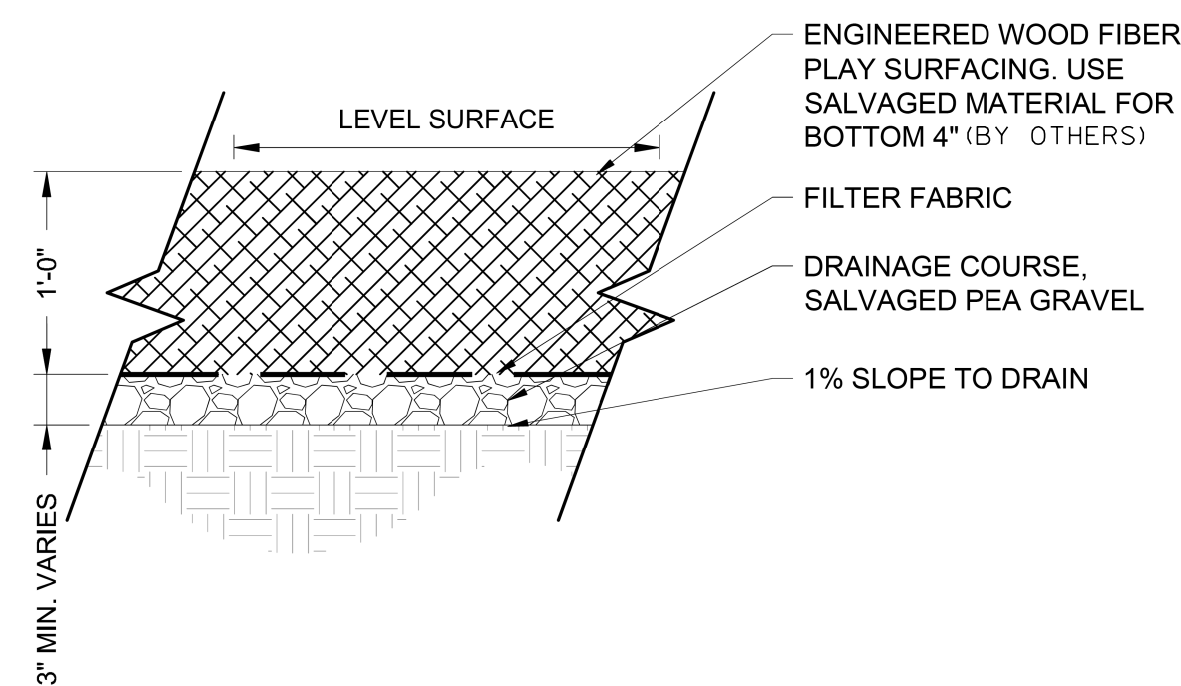
P.C.C. SIDEWALK, DETAIL



WITHIN PARKWAY AREAS (COMMON BACKFILL)



BICYCLE RACK LAYOUT DETAIL



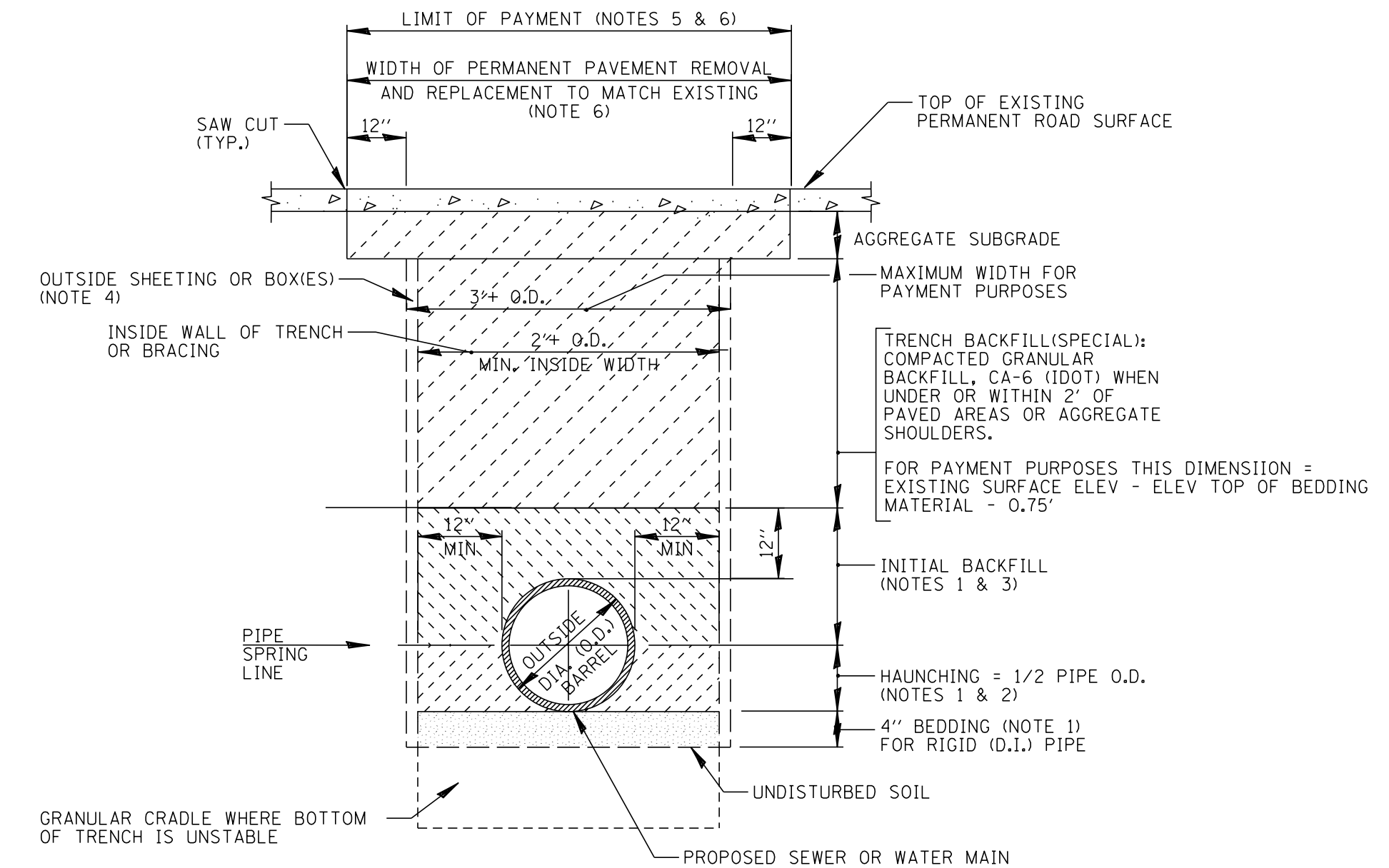
11 PLAY SURFACE - ENGINEERED WOOD FIBER MULCH
SCALE: 1"=1'-0"

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SY/IN.
THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.

HOT-MIX ASPHALT MIXTURE REQUIREMENTS	
MIXTURE TYPE	AIR VOIDS @Ndes
CLASS D PATCHES, 2"	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	4% @ 50 GYR

TRENCH BACKFILL NOTES:

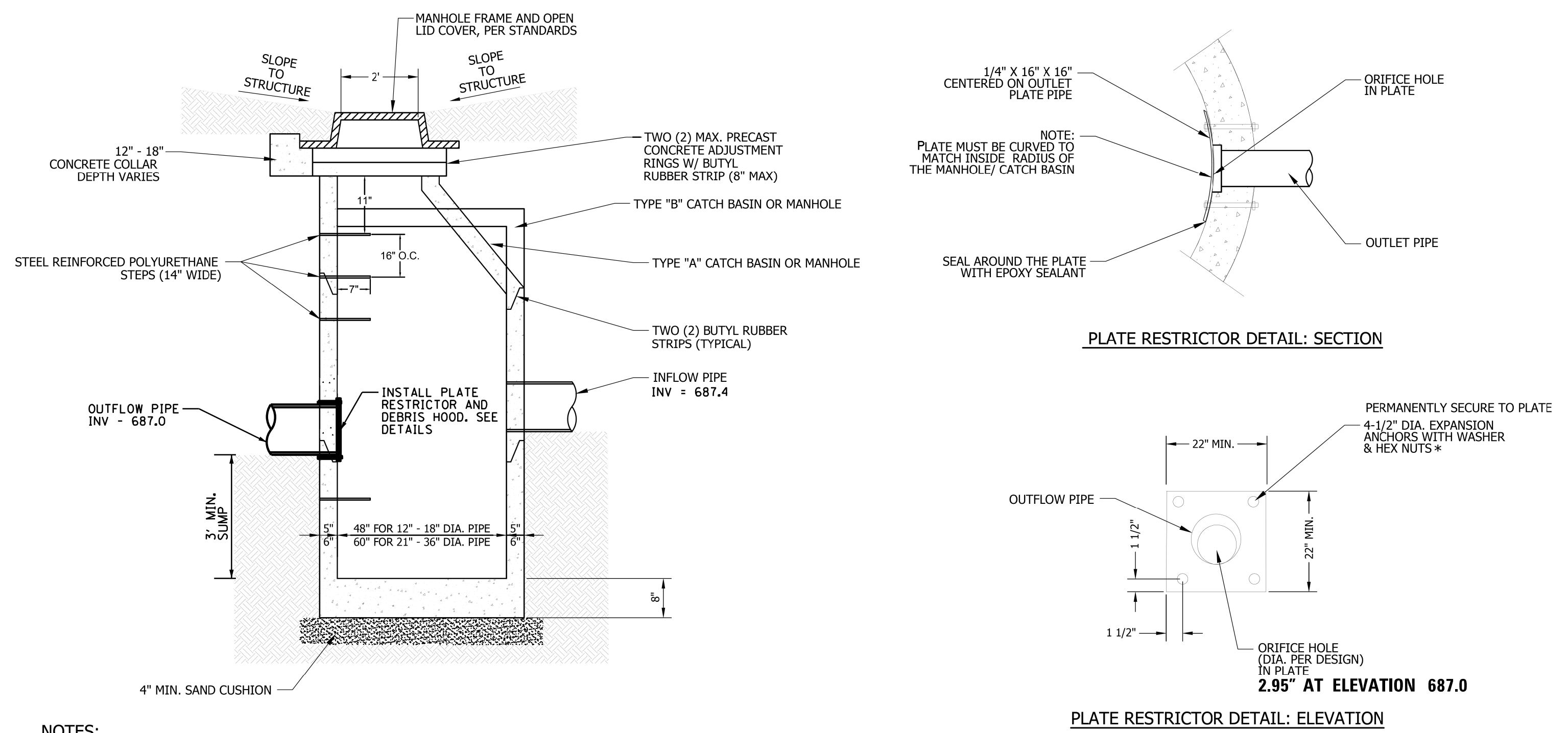
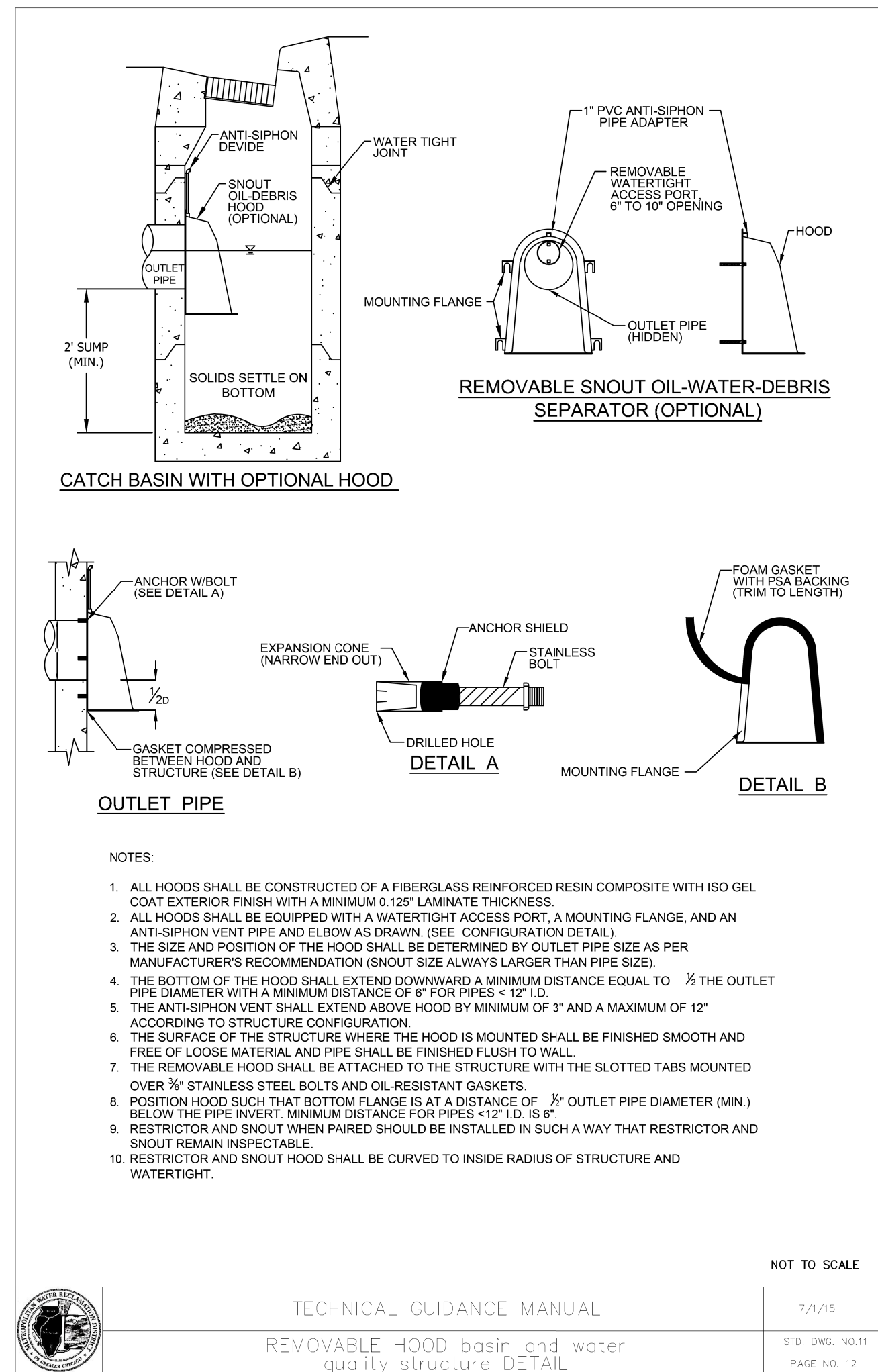
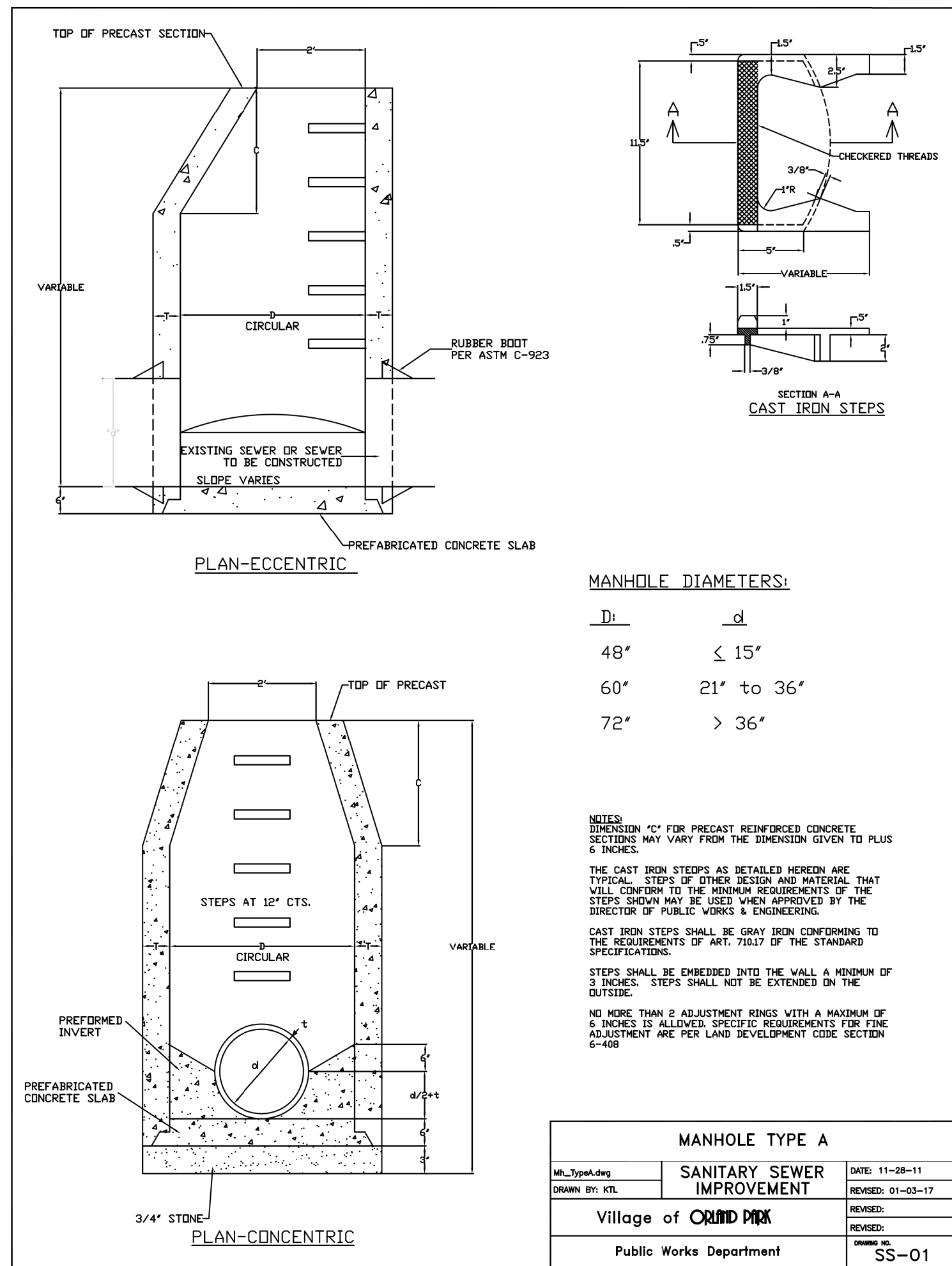
1. BEDDING/HAUNCHING/INITIAL BACKFILL:
 - A. FOR FLEXIBLE (PVC) PIPE THE BEDDING MATERIAL SHALL CONFORM TO IDOT CA-7, CA-11, OR CA-13 GRADATION.
 - B. FOR RIGID (D.I.) PIPE THE BEDDING MATERIAL SHALL BE CA-7, CA-11, OR CA-13 AND THE HAUNCHING/INITIAL BACKFILL SHALL MATCH THE TRENCH BACKFILL MATERIAL.
2. AFTER BEDDING HAS BEEN PLACED/COMPACTED/BROUGHT TO GRADE, PLACE AND COMPACT HAUNCHING TO PIPE SPRING LINE.
3. PLACE INITIAL BACKFILL IN TWO STAGES AS FOLLOWS: 1st STAGE - PLACE & COMPACT TO TOP OF PIPE; 2nd STAGE - PLACE & COMPACT AT LEAST 12" OVER TOP OF PIPE.
4. VOIDS LEFT BY SHEETING/BRACING WHEN REMOVED SHALL BE FILLED WITH FINE SAND AND SHALL BE CONSIDERED INCIDENTAL TO THE WORK. SHEETING TO BE LEFT IN PLACE WHEN SPECIFIED ON THE PLANS.
5. CONTRACTOR IS RESPONSIBLE FOR ALL RESTORATION BEYOND THE LIMIT OF PAYMENT AS SHOWN. THE LIMIT OF PAYMENT FOR DRIVEWAY RESTORATION MAY BE MODIFIED AS NOTED BELOW (NOTE 6).
6. TRENCH BACKFILL MEETING THE REQUIREMENTS OF ARTICLE 208.02 OF THE IDOT STANDARD SPECIFICATIONS IS REQUIRED FOR ANY OPEN TRENCHES WITHIN COUNTY ROW.
7. ALL DISTURBED GRASS AREAS WITHIN COUNTY ROW ARE TO BE RESTORED WITH 4" TOPSOIL AND SOD.



WITHIN PAVED, DRIVEWAY OR WALKWAY AREAS (STRUCTURAL BACKFILL)

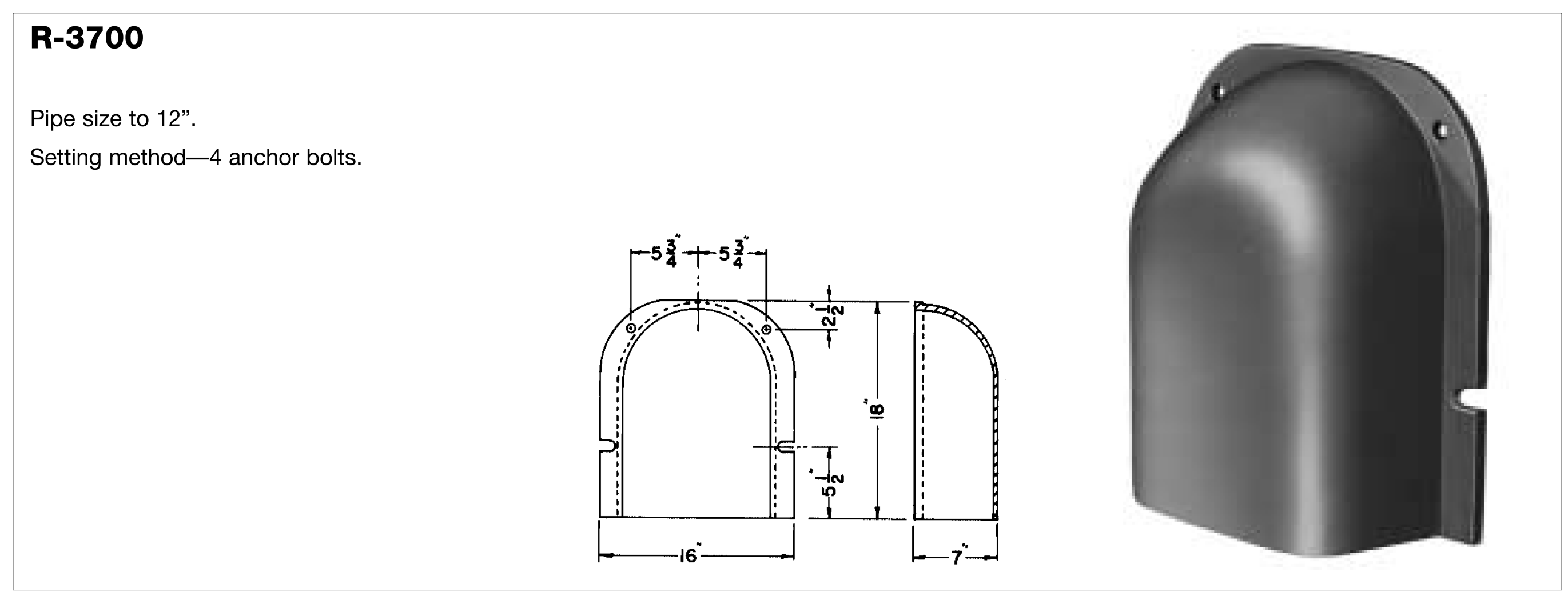
TYPICAL TRENCH BACKFILL DETAILS & TRENCHING NOTES FOR PARKWAY AREAS AND PAVED AREAS

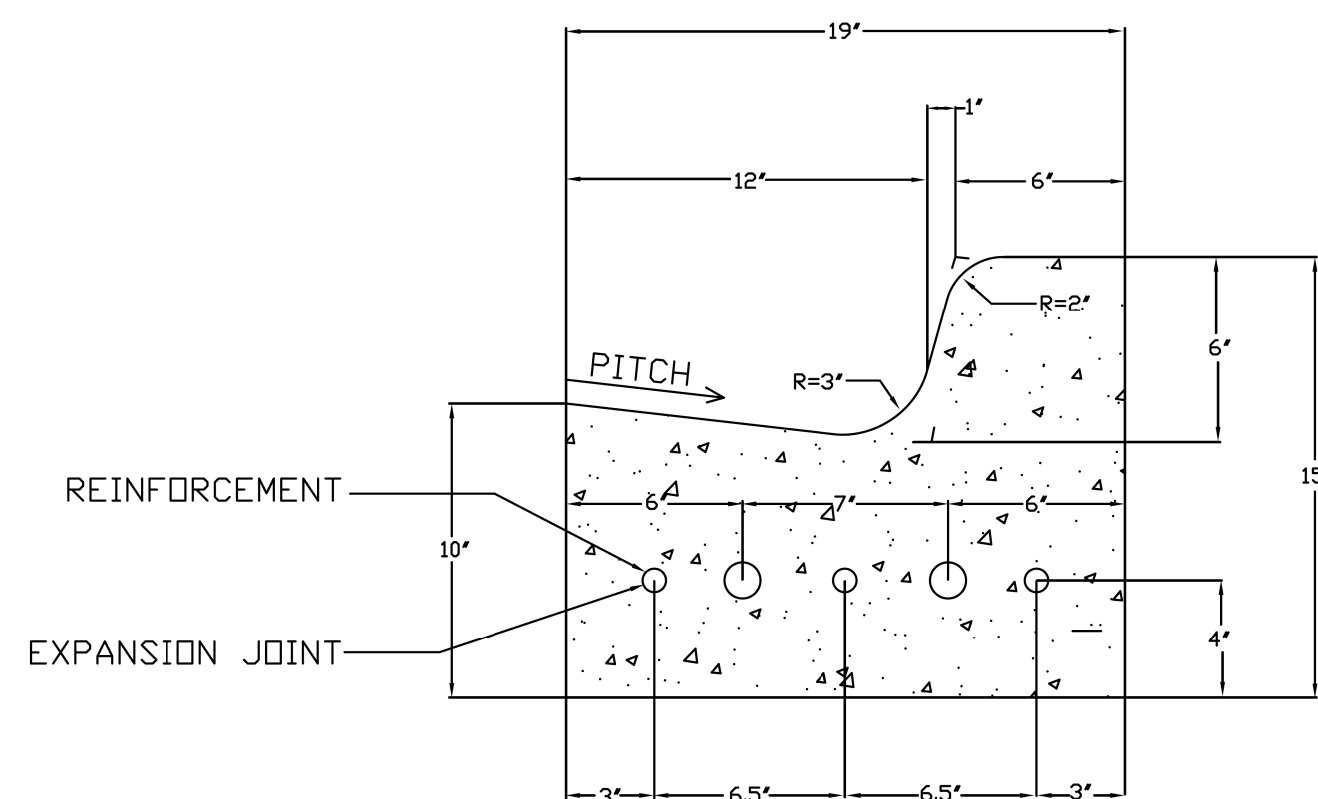
NO.	DATE	NATURE OF REVISION	CHKD.	MODEL:
FILE NAME	N:\ORLANDPARK\240606\Civil\28_DETOL240606.SHT			



- NOTES:
- CATCH BASINS MUST CONFORM TO ASTM C-478.
 - CATCH BASIN SECTIONS TO BE TONGUE AND GROOVED.
 - NON-SHRINKGROUT OR CEMENT TO BE USED ON ALL PENETRATIONS INSIDE AND OUTSIDE OF STRUCTURE.
 - ALL PIPE PENETRATIONS TO BE CORED, RUBBER BOOTED AND INTERIOR GROUTED (NON-SHRINK) OR CEMENTED, ASTM C923 CONNECTORS IN COMBINED SEWER AREAS.

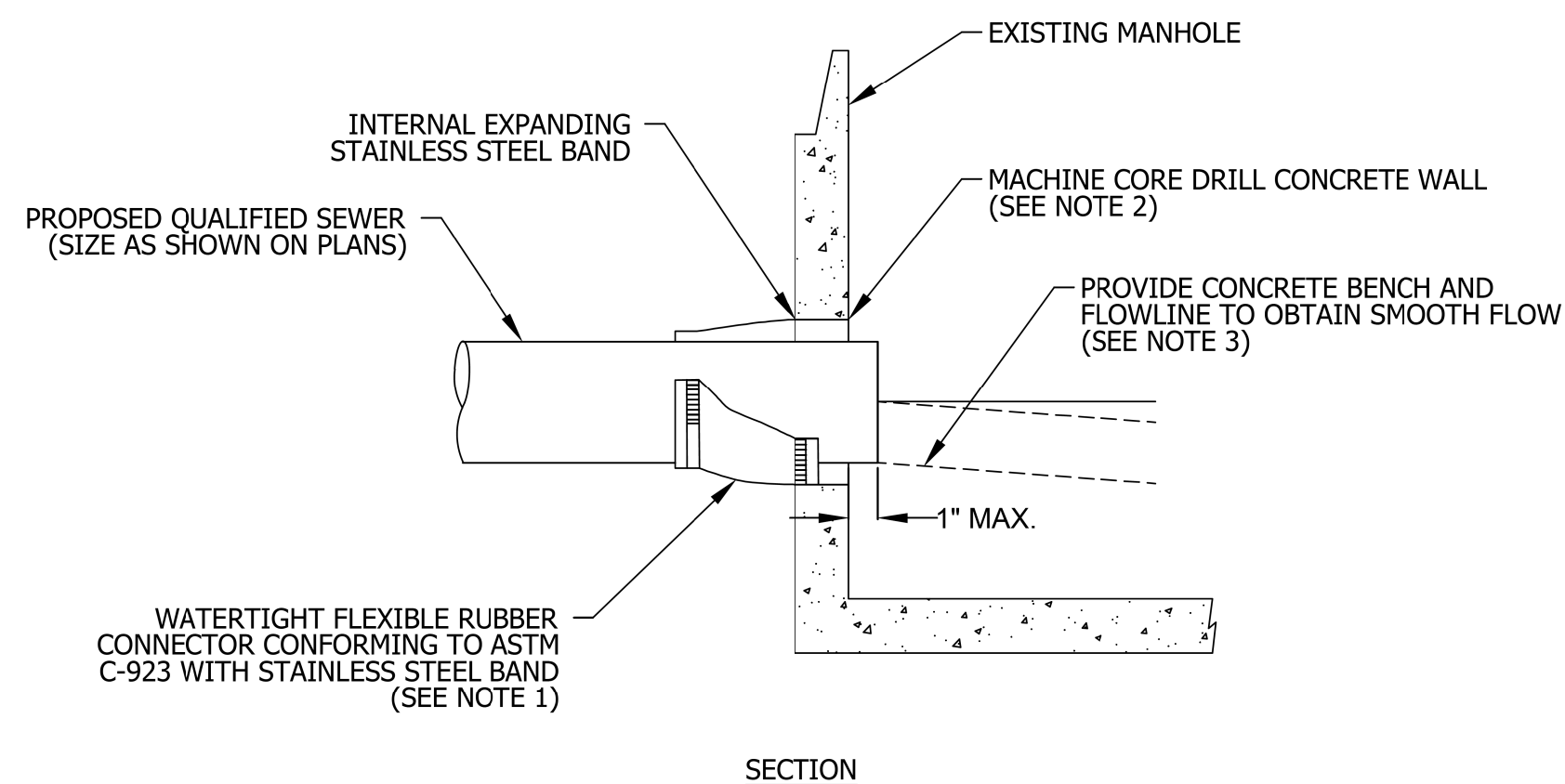
TECHNICAL GUIDANCE MANUAL
 PLATE RESTRICTOR DETAIL (INSTALLED IN MANHOLE/CATCH BASIN)





- NOTES:
1. REINFORCEMENT SHALL BE THREE (3) #5 REINFORCING BARS CONTINUOUS BETWEEN EXPANSION JOINTS, WITH LOCATION SPACING AS INDICATED ABOVE.
 2. EXPANSION JOINT: 3/4" THICK BITUMINOUS FILLER MATERIAL- PROVIDE TWO (2) #6 X 24" SMOOTH BARS WITH EXPANSION CAPS AT EACH EXPANSION JOINT. INSTALL AT ENDS OF ALL RADII AND NO FURTHER THAN SIXTY (60') FEET APART.
 3. SAW THREE (3) EQUALLY SPACED CONTRACTION JOINTS AT TWENTY (20') FEET INTERVALS BETWEEN EXPANSION JOINTS. CONTRACTION JOINTS SHALL BE SAW-CUT IN THE UPPER ONE-THIRD OF CURB AND GUTTER WITHIN 3 DAYS OF PLACEMENT.
 4. COST OF BARS SHALL BE INCLUDED IN THE UNIT PRICE (PER LINEAL FOOT) FOR CURB AND GUTTER.

B - 6.12 CURB AND GUTTER		
B-812.DWG	STREET & PAVEMENT	DATE:
DRAWN BY:		REVISED:
Village of ORLAND PARK		REVISED: 2-14-08 JF
Engineering Department		REVISED: 2-8-08 KTL
		DRAWING NO. STR-04

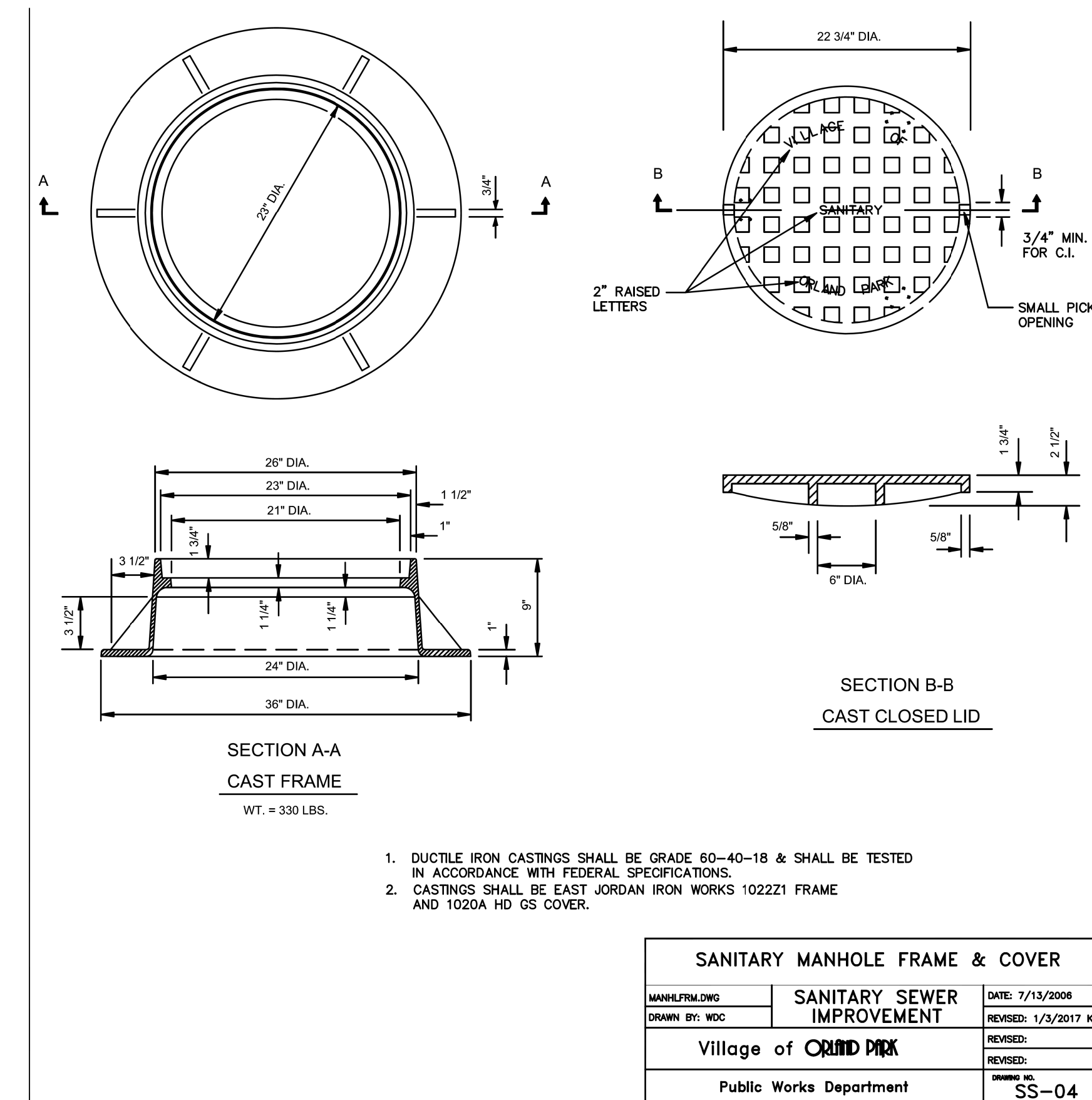


- NOTES:
1. RESILIENT CONNECTOR COMPLYING WITH ASTM STANDARD C-923 (MOST RECENT EDITION) SHALL BE USED.
 2. MACHINE CORE/DRILL CIRCULAR OPENING IN STRUCTURE WALL. OPENING DIAMETER TO FIT THE REQUIRED RESILIENT CONNECTOR PER MANUFACTURER'S RECOMMENDATION.
 3. CUT, SHAPE, AND SLOPE NEW INVERT CHANNEL IN THE EXISTING CONCRETE BENCH FOR SMOOTH FLOW.
 4. CLEAN EXISTING STRUCTURE AND SEWER PIPE OF ANY DIRT, CONCRETE, OR DEBRIS WHICH MAY ACCUMULATE DURING THE CONSTRUCTION PROCESS.
 5. ANY DAMAGE TO THE EXISTING MANHOLE SHALL BE REPAIRED BY THE CONTRACTOR.
 6. REINFORCED CONCRETE COLLAR MAY BE SUBSTITUTED FOR PIPE DIAMETERS LARGER THAN 36-INCHES.

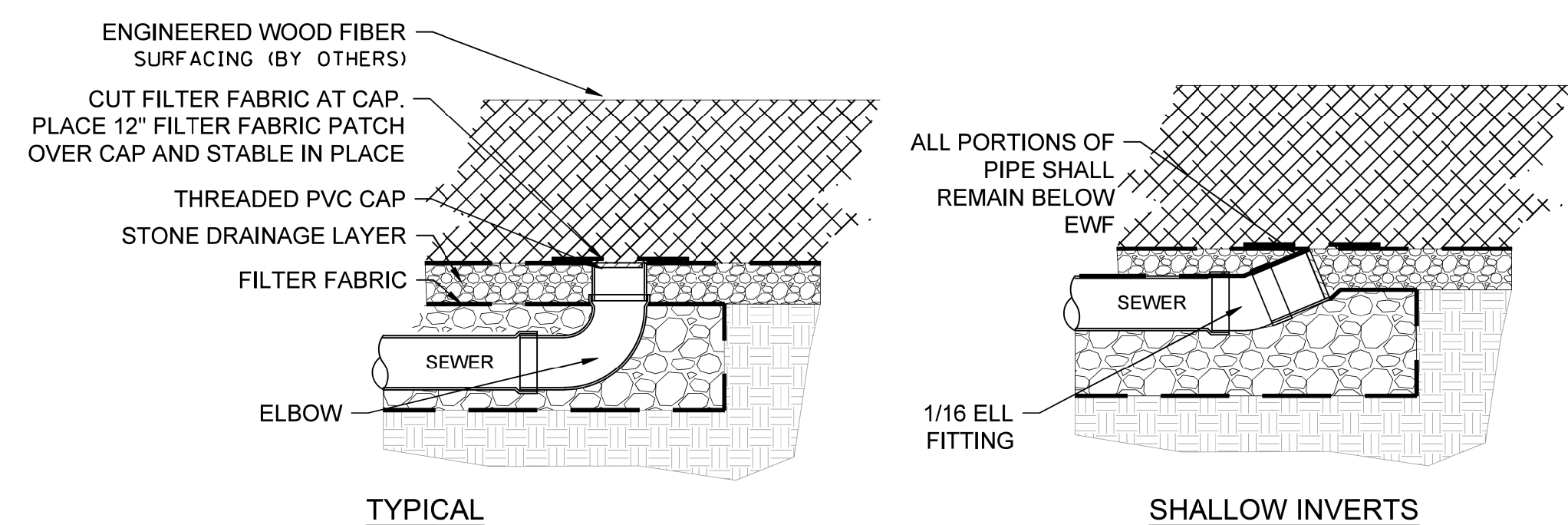


TECHNICAL GUIDANCE MANUAL
PIPE TO EXISTING MANHOLE CONNECTION DETAIL

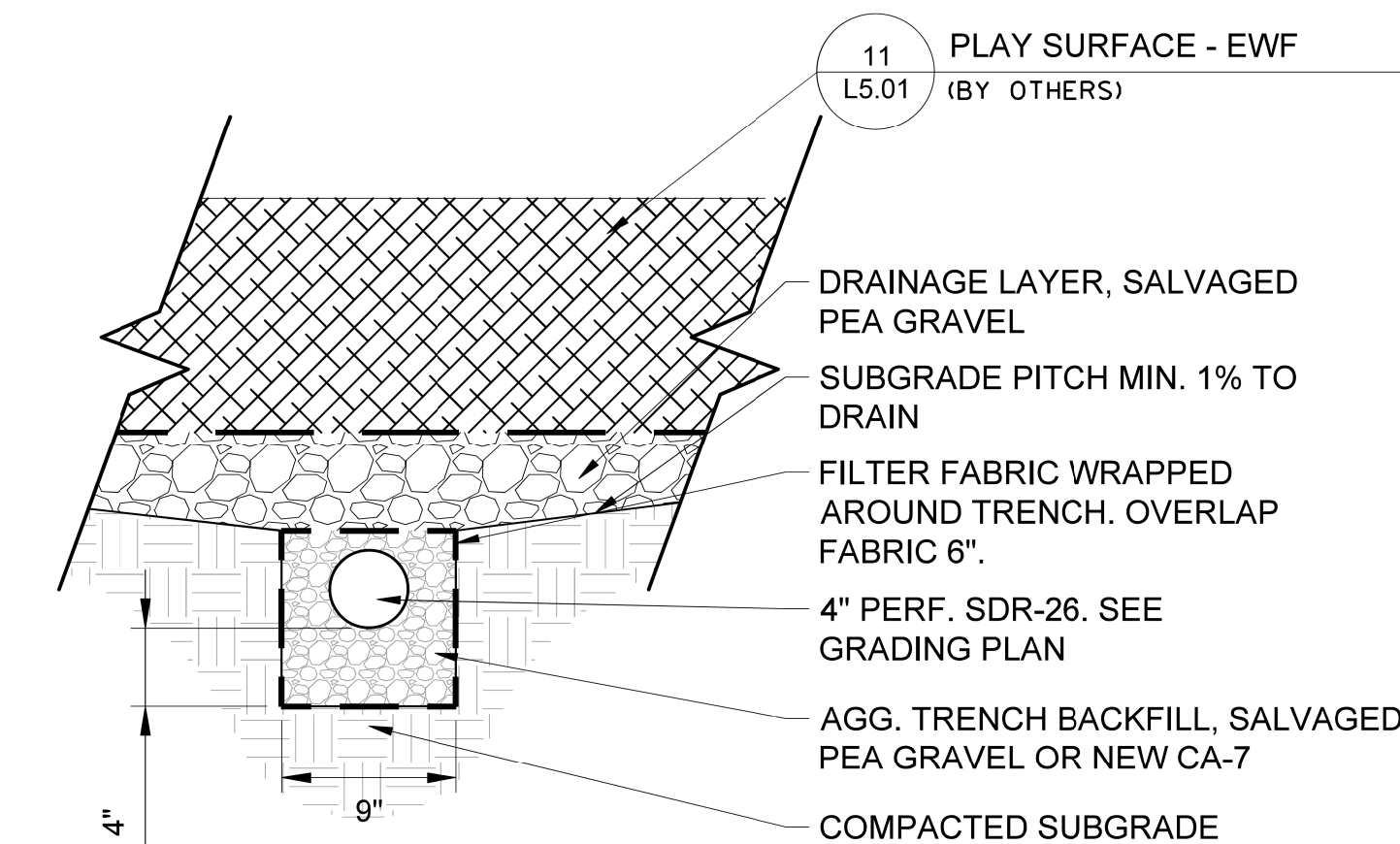
NOT TO SCALE
10/02/18
STD. DWG. NO. 42
PAGE NO. 43



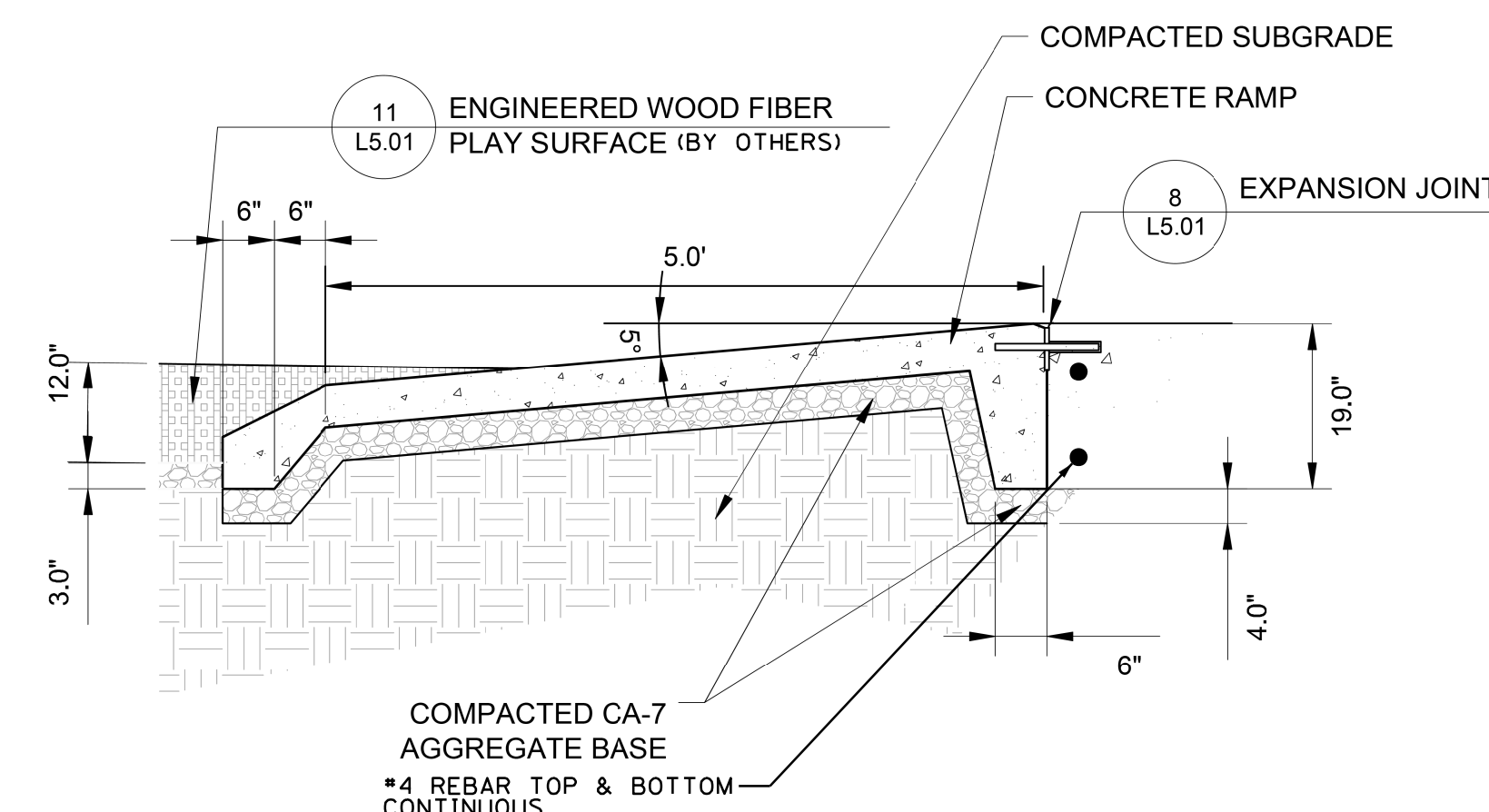
SANITARY MANHOLE FRAME & COVER		
MANHOLE.DWG	SANITARY SEWER IMPROVEMENT	DATE: 7/13/2008
DRAWN BY: WDC		REVISED: 1/2/2017 KTL
Village of ORLAND PARK		REVISED:
Public Works Department		DRAWING NO. SS-04



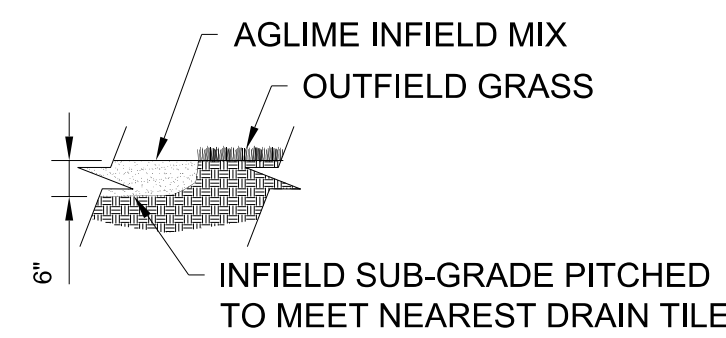
2 CLEAN OUT
SCALE: 1"=1'-0"



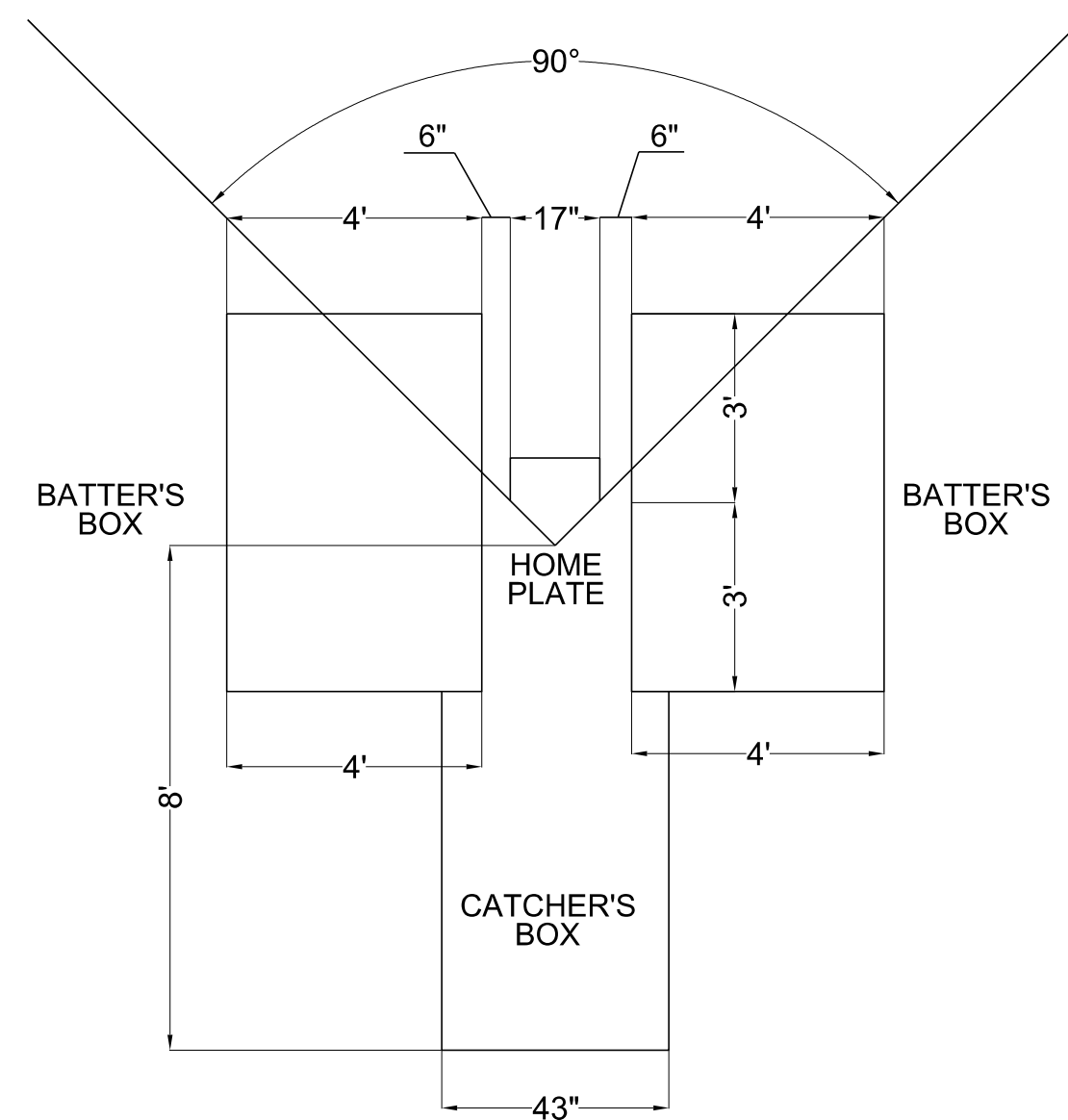
3 PLAYGROUND UNDERDRAINAGE
SCALE: 1/2"=1'-0"



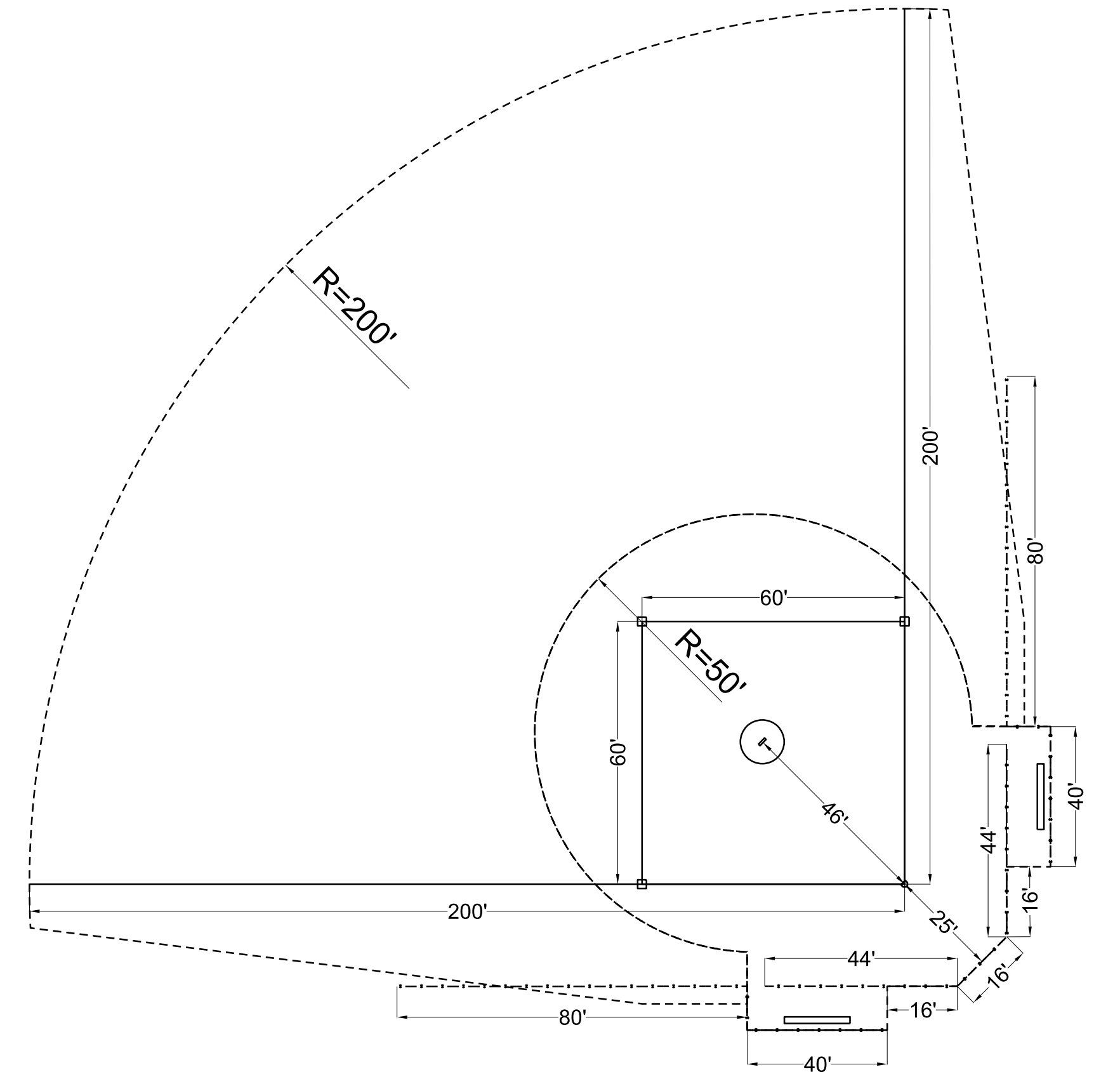
10 PLAYGROUND RAMP
SCALE: 1"=1'-0"



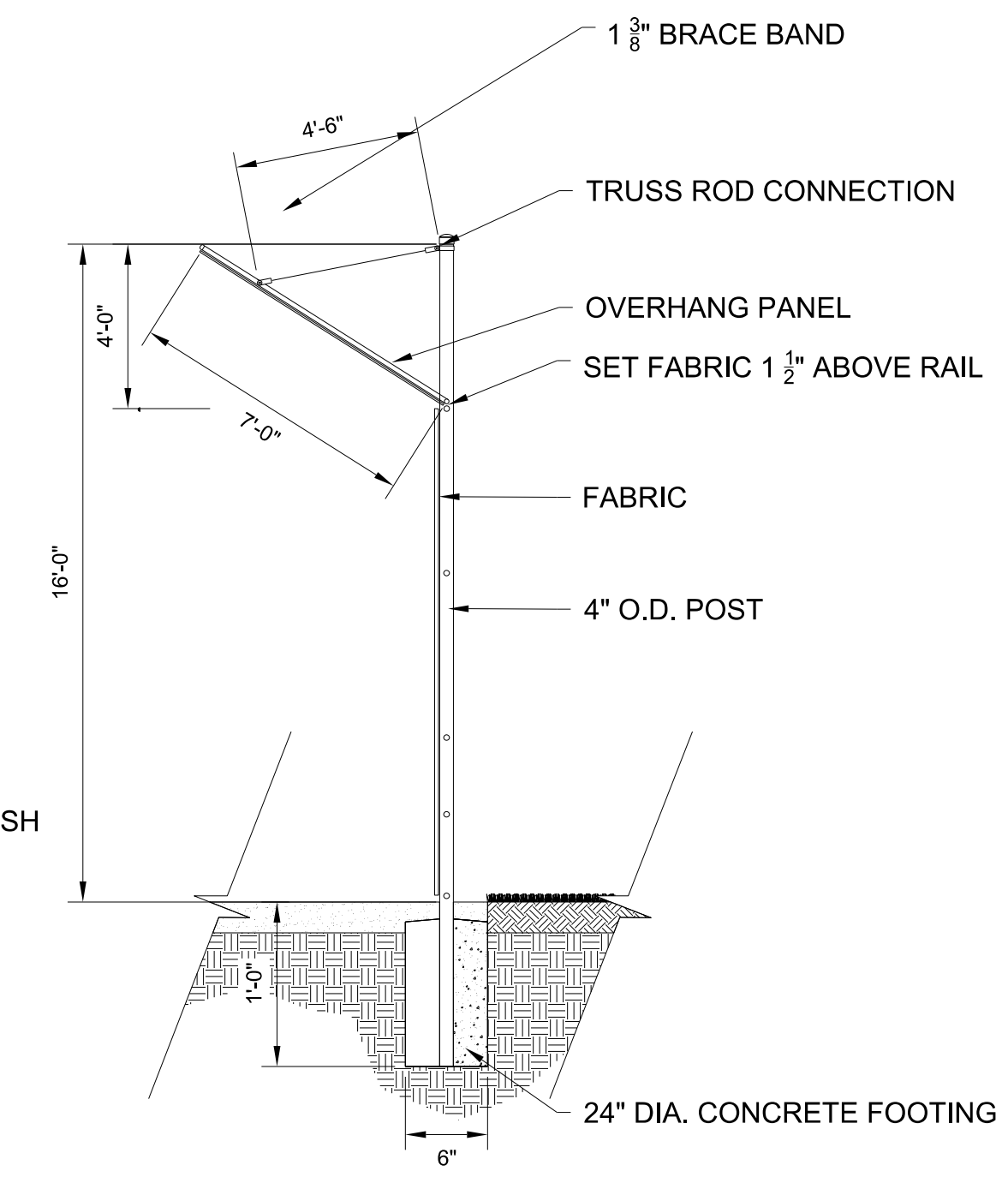
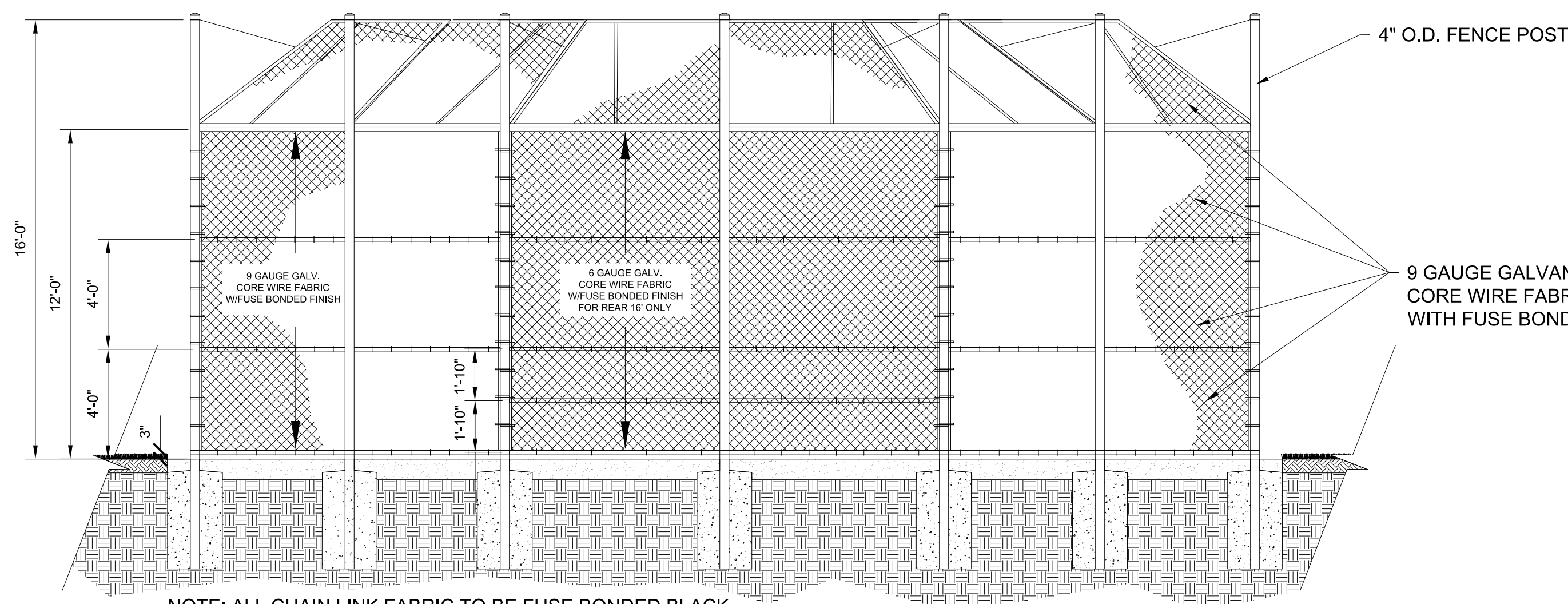
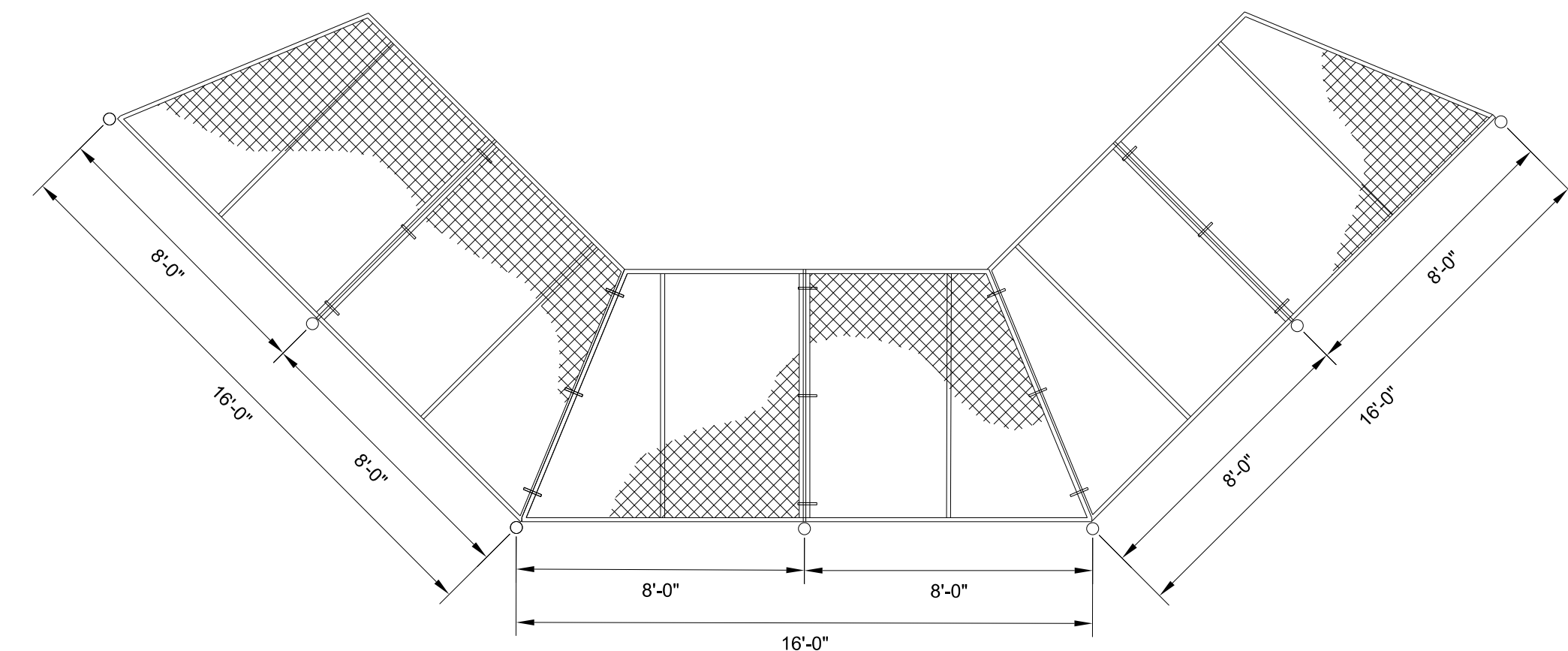
TYP. INFIELD SECTION



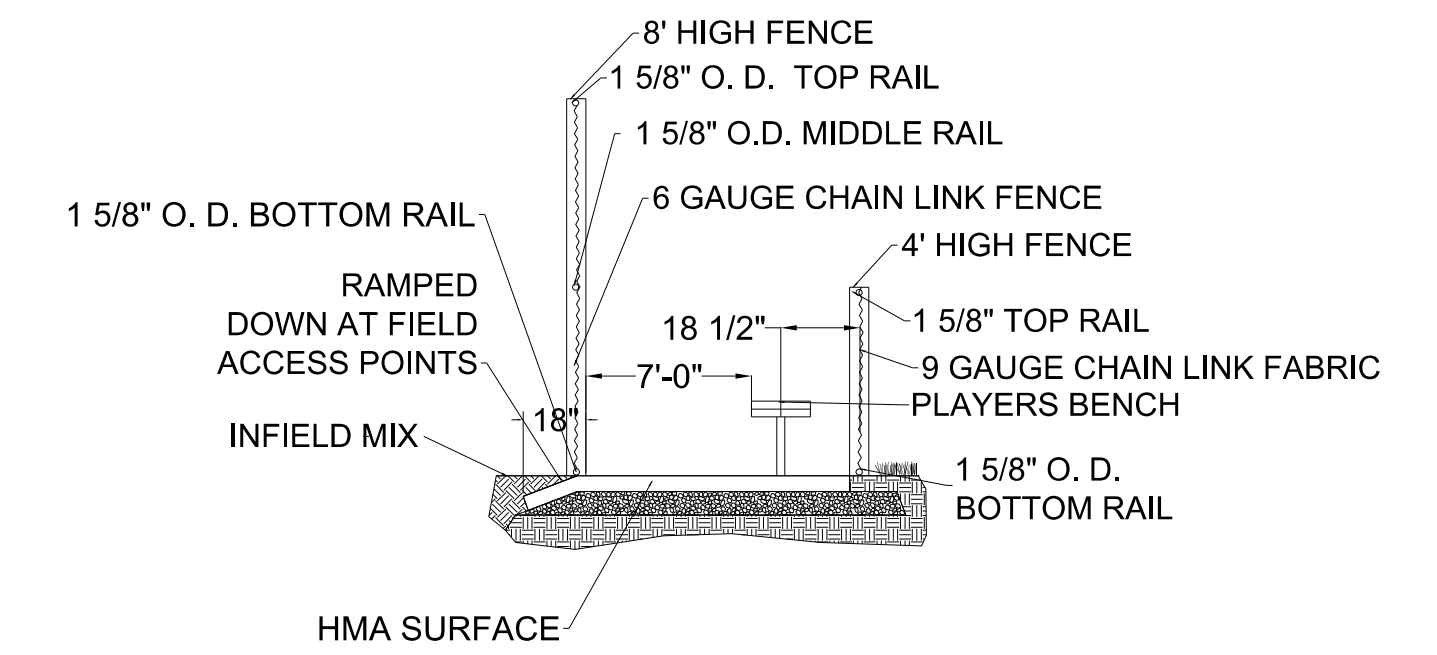
BATTERS BOX PLAN VIEW



BALLFIELD PLAN VIEW



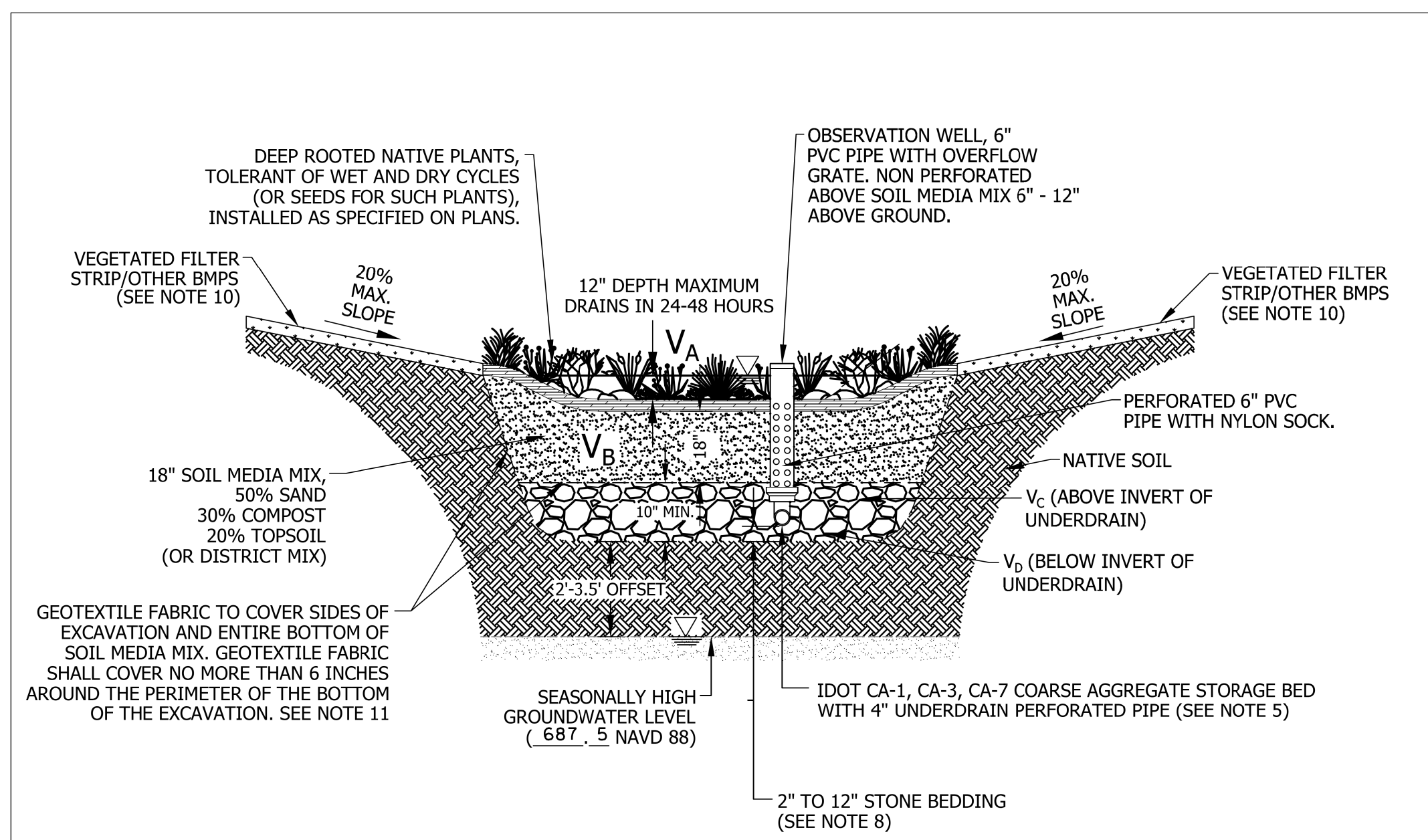
SECTION OF REAR PANEL



PLAYERS BENCH AREA SECTION

NOTE: ALL CHAIN LINK FABRIC TO BE FUSE BONDED BLACK

NO.	DATE	NATURE OF REVISION	CHKD.	MODEL:
				Default



BIORETENTION FACILITY #1 TABLE

BOTTOM OF THE FACILITY:	ELEV. 689.5
SEASONALLY HIGH GROUNDWATER:	ELEV. 687.5
SEPARATION:	FEET 2.0

VOLUME TYPE	SURFACE AREA	DEPTH	POROSITY	STORAGE VOLUME	VOLUME PROVIDED
V _A : SURFACE STORAGE	0.02 AC	2"	1.00	1.00 X V _A	0.003 AC-FT
V _B : SOIL MEDIA MIX	0.02 AC	18"	0.25	0.50 X 0.25 X V _B	0.004 AC-FT
V _C : COARSE AGGREGATE (ABOVE INVERT)	0.02 AC	4"	0.36	0.50 X 0.36 X V _C	0.001 AC-FT
V _D : COARSE AGGREGATE (BELOW INVERT)	0.02 AC	6"	0.36	0.36 X V _D	0.004 AC-FT
TOTAL					0.012 AC-FT

- NOTES:
- 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 TANKS/FIELDS, OR OTHER UNDERGROUND TANKS.
 - 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 TO WATER MAIN QUALITY STANDARDS, OR IT SHALL BE ENCASED WITH A WATER MAIN QUALITY CARRIER PIPE WITH THE ENDS SEALED.
 - AVOID INSTALLATION ON SLOPES GREATER THAN 3.00%. AVOID COMPACTING NATIVE SOILS. SCARIFY ANY COMPACTED SOIL.
 - GEOTEXTILE FABRIC SHALL MEET REQUIREMENTS OF IUM MATERIAL SPECIFICATION 592. FOR WOVEN: APPARENT OPENING SIZE OF 0.50 MM (TABLE 1, CLASS I). FOR NON WOVEN: APPARENT OPENING SIZE OF 0.30 MM (TABLE 2, CLASS II).
 - STONE STORAGE OPTIONS ARE IDOT CA-1, CA-3, CA-7, DISTRICT VULCAN MIX, OR APPROVED ALTERNATE. NO RECYCLED MATERIALS.
 - MINIMUM DISTANCE OF 2 FEET (3.5 FEET IN COMBINED SEWER AREAS) BETWEEN BOTTOM OF BMP AND SEASONALLY HIGH GROUNDWATER LEVEL.
 - UNDERDRAINS ARE REQUIRED IN TYPICAL CLAYEY SOILS WHERE INFILTRATION RATES ARE LESS THAN 0.5 INCH/HOUR. 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/SOCK.
 - MINIMUM UNDERDRAIN BEDDING OF 2 INCHES, MAXIMUM OF 12 INCHES.
 - FOLLOW THE REQUIRED PRETREATMENT MEASURES LISTED ON THE VOLUME CONTROL PRETREATMENT MEASURES DETAIL.
 - CHOKING STONE MAY BE SUBSTITUTED FOR GEOTEXTILE FABRIC, PER APPROVAL BY THE ENGINEER.

NOT TO SCALE

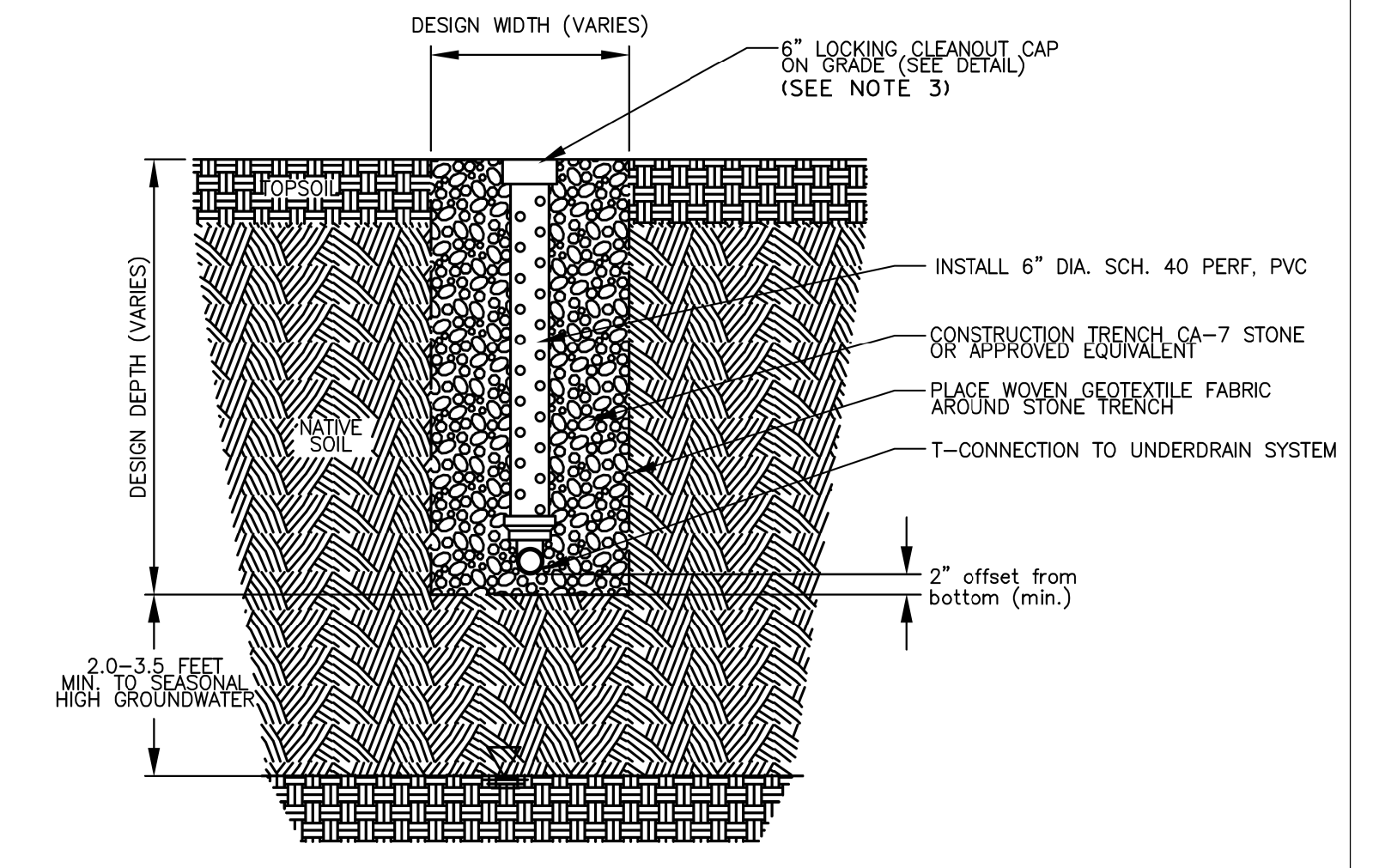
TECHNICAL GUIDANCE MANUAL

10/11/18

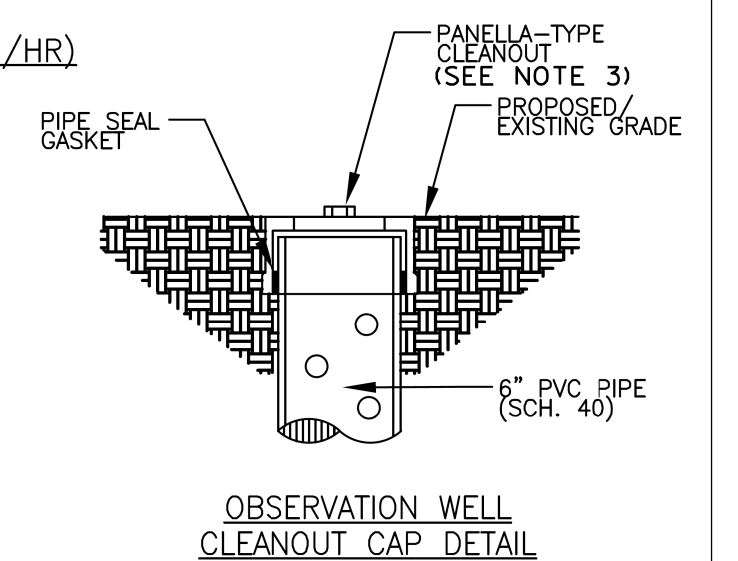
BIORETENTION FACILITY DETAIL

STD. DWG. NO.1

PAGE NO.1



WITH UNDERDRAIN
(SOIL INFILTRATION CAPACITY < 0.5 IN/HR)



NOT TO SCALE

- NOTES:
- ONE OBSERVATION WELL SHALL BE INSTALLED PER 6,000 SQ. FT. OF SURFACE AREA.
 - PERFORATIONS SHALL BE 3/8" CIRCULAR HOLES, 4" ON CENTER, 90° AROUND PIPE.
 - OBSERVATION WELL FOR BIORETENTION FACILITIES SHALL EXTEND 6"-12" ABOVE GRADE AND CONTAIN AN OVERFLOW GRATE INSTEAD OF LOCKING CAP.
 - PIPES/FITTINGS SHALL BE SCHEDULE 40 PVC OR HIGHER QUALITY, 6" DIAMETER MINIMUM.



TECHNICAL GUIDANCE MANUAL

10/11/18

TYPICAL OBSERVATION WELL DETAIL

STD. DWG. NO.8

PAGE NO. 9

BIORETENTION FACILITY #2 TABLE

BOTTOM OF THE FACILITY:	ELEV. 689.5
SEASONALLY HIGH GROUNDWATER:	ELEV. 687.5
SEPARATION:	FEET 2.0

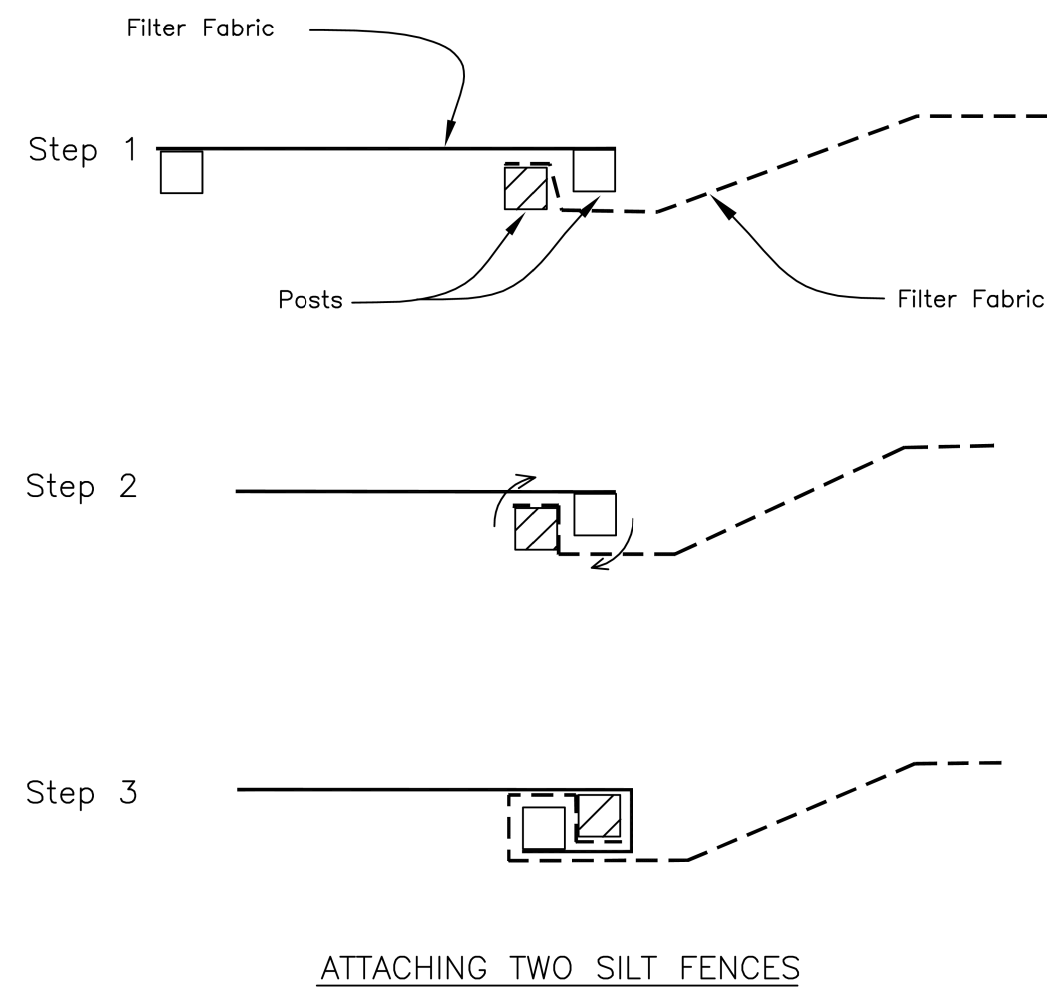
VOLUME TYPE	SURFACE AREA	DEPTH	POROSITY	STORAGE VOLUME	VOLUME PROVIDED
V _A : SURFACE STORAGE	0.06 AC	2"	1.00	1.00 X V _A	0.01 AC-FT
V _B : SOIL MEDIA MIX	0.06 AC	18"	0.25	0.50 X 0.25 X V _B	0.011 AC-FT
V _C : COARSE AGGREGATE (ABOVE INVERT)	0.06 AC	4"	0.36	0.50 X 0.36 X V _C	0.004 AC-FT
V _D : COARSE AGGREGATE (BELOW INVERT)	0.06 AC	6"	0.36	0.36 X V _D	0.011 AC-FT
TOTAL					0.036 AC-FT

BIORETENTION FACILITY #3 TABLE

BOTTOM OF THE FACILITY:	ELEV. 689.5
SEASONALLY HIGH GROUNDWATER:	ELEV. 687.5
SEPARATION:	FEET 2.0

VOLUME TYPE	SURFACE AREA	DEPTH	POROSITY	STORAGE VOLUME	VOLUME PROVIDED
V _A : SURFACE STORAGE	0.08 AC	2"	1.00	1.00 X V _A	0.013 AC-FT
V _B : SOIL MEDIA MIX	0.08 AC	18"	0.25	0.50 X 0.25 X V _B	0.015 AC-FT
V _C : COARSE AGGREGATE (ABOVE INVERT)	0.08 AC	4"	0.36	0.50 X 0.36 X V _C	0.005 AC-FT
V _D : COARSE AGGREGATE (BELOW INVERT)	0.08 AC	6"	0.36	0.36 X V _D	0.014 AC-FT
TOTAL					0.048 AC-FT

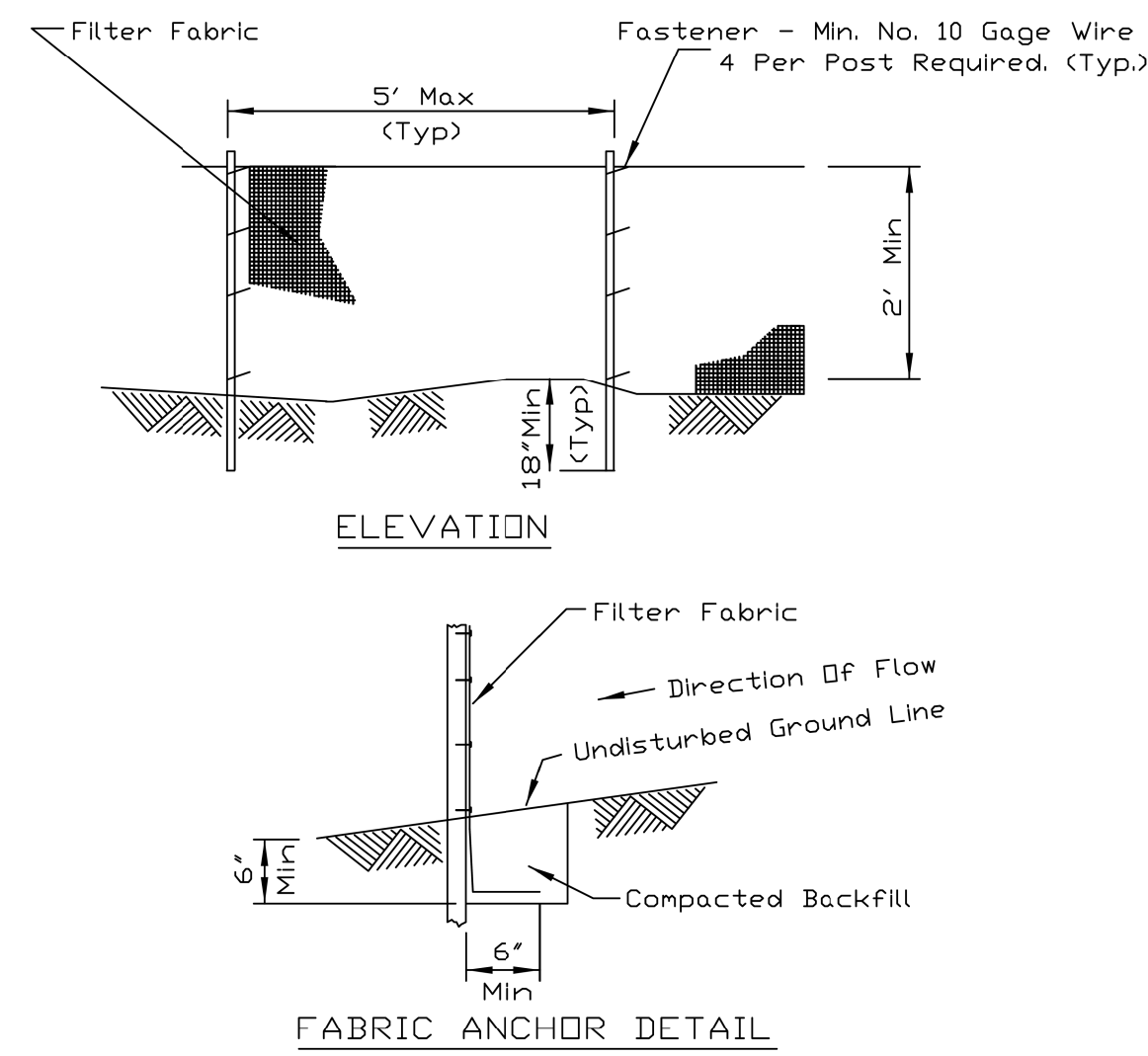
SILT FENCE



- NOTES:
- Place the end post of the second fence inside the end post of the first fence.
 - Rotate both posts at least 180 degrees in a clockwise direction to create a tight seal with the fabric material.
 - Drive both posts a minimum of 18 inches into the ground and bury the flap.

REFERENCE Project	_____		STANDARD DWG. NO.	IL-620(W)
Designed	_____		SHEET 2 OF 2	
Checked	_____		DATE	1-29-99
Approved	_____			

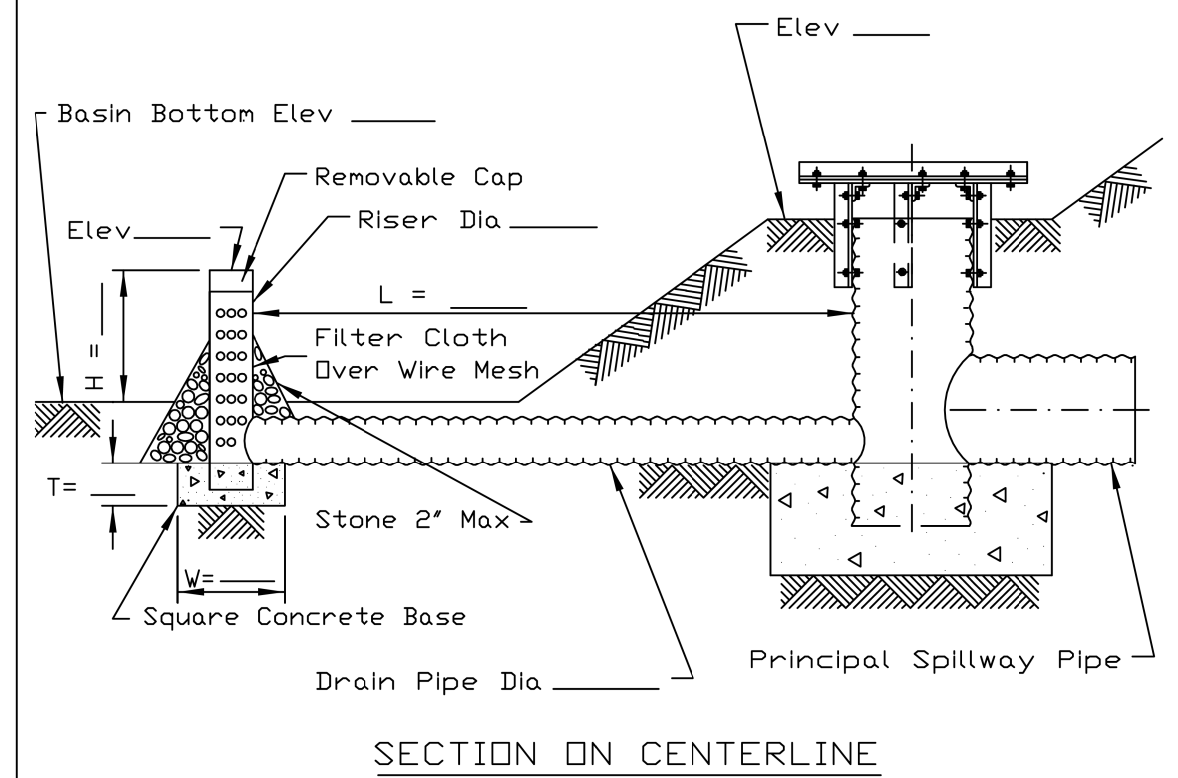
SILT FENCE PLAN



- NOTES:
- Temporary sediment fence shall be installed prior to any grading work in the area to be protected. They shall be maintained throughout the construction period and removed in conjunction with the final grading and site stabilization.
 - Filter fabric shall meet the requirements of material specification 592 Geotextile Table 1 or 2, Class I with equivalent opening size of at least 30 for nonwoven and 50 for woven.
 - Fence posts shall be either standard steel post or wood post with a minimum cross-sectional area of 3.0 sq. in.

REFERENCE Project	_____		STANDARD DWG. NO.	IL-620
Designed	_____		SHEET 1 OF 2	
Checked	_____		DATE	11-20-01
Approved	_____			

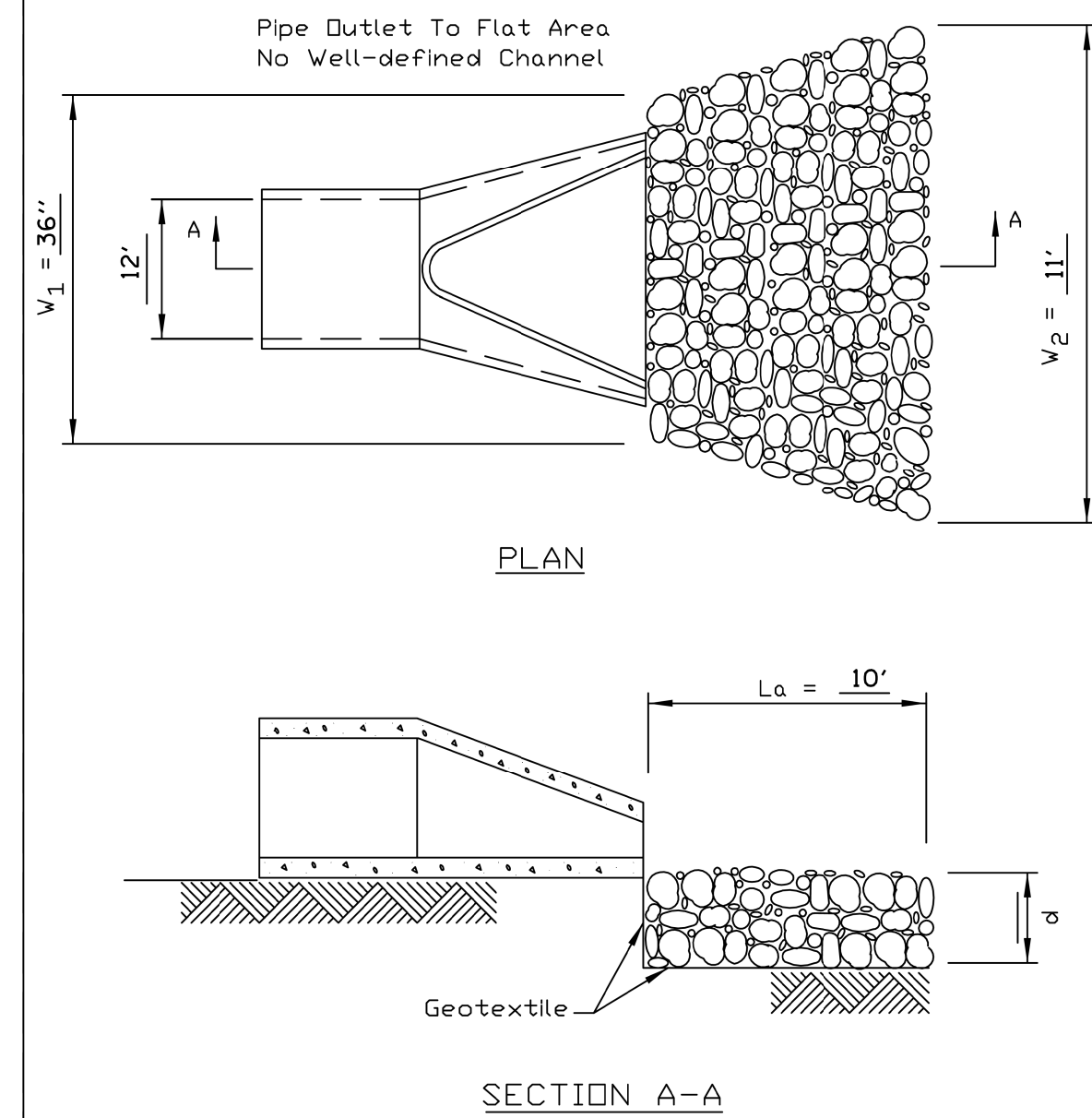
SEDIMENT BASIN DEWATERING DEVICE



- NOTES:
- Slotted inlets shall be fabricated from corrugated metal or smooth steel.
 - Slots shall be cut cleanly and deburred. Ends of slots may be round or square.
 - Gravel filter, if used, shall be pit run sand and gravel with a maximum particle diameter of 2".
 - Fabricated or standard elbow fabricated or standard tee with the pipe or plug in upstream end; or standard tee with one end embedded in concrete.
 - Thirty 1" diameter holes per foot of riser may be substituted for the 1"x4" slots for 6" diameter risers.
 - Drain pipe shall be the same material and gauge as the principle spillway pipe.
 - Slot spacing and size shall be as shown on standard drawing IL-580.
 - Coupling bands shall be as shown on standard drawing IL-580.

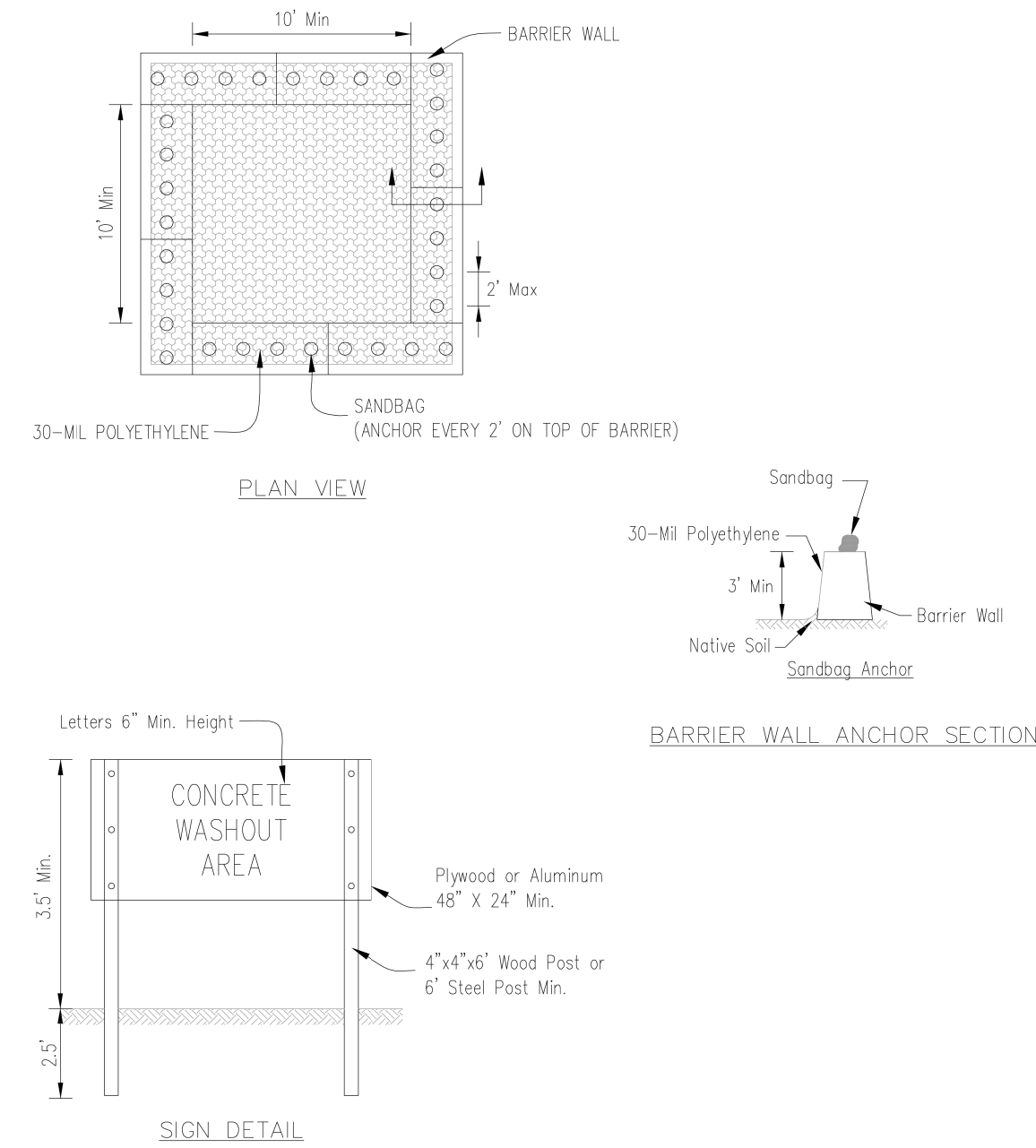
REFERENCE Project	_____		STANDARD DWG. NO.	IL-615
Designed	_____		SHEET 1 OF 1	
Checked	_____		DATE	9-28-93
Approved	_____			

PIPE OUTLET TO FLAT AREA



- NOTES:
- The filter fabric shall meet the requirements in material specifications 592 GEOTEXTILE Table 1 or 2, class I, II or III.
 - The rock riprap shall meet the IDDT requirements for the following gradation: RR 3, Quality 3.
 - The riprap shall be placed according to construction specification 61 LODSE ROCK RIPRAP. The rock may be equipment placed.

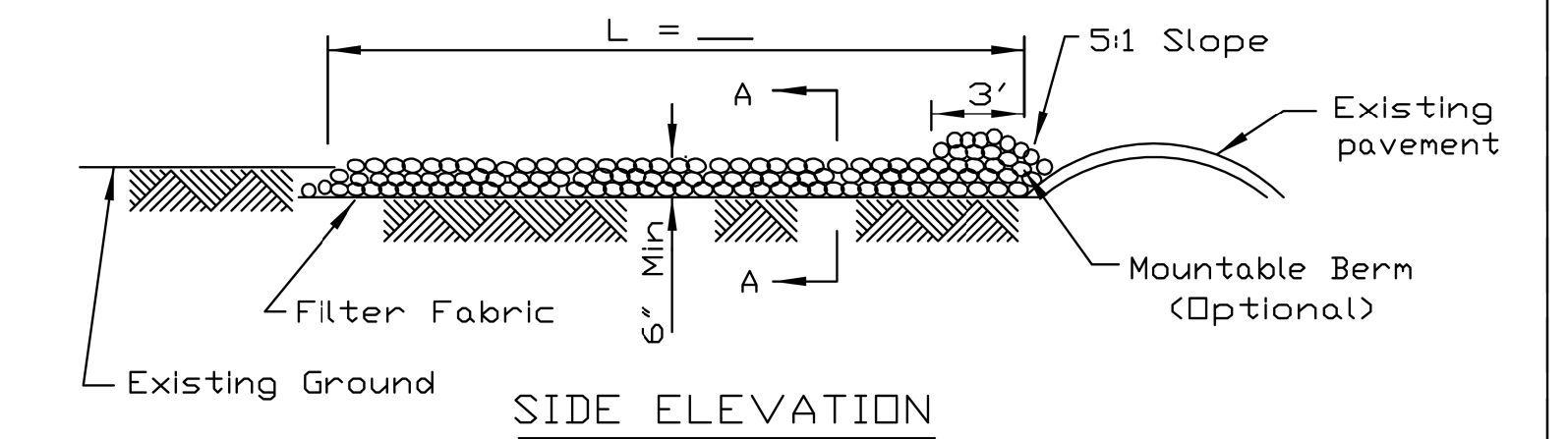
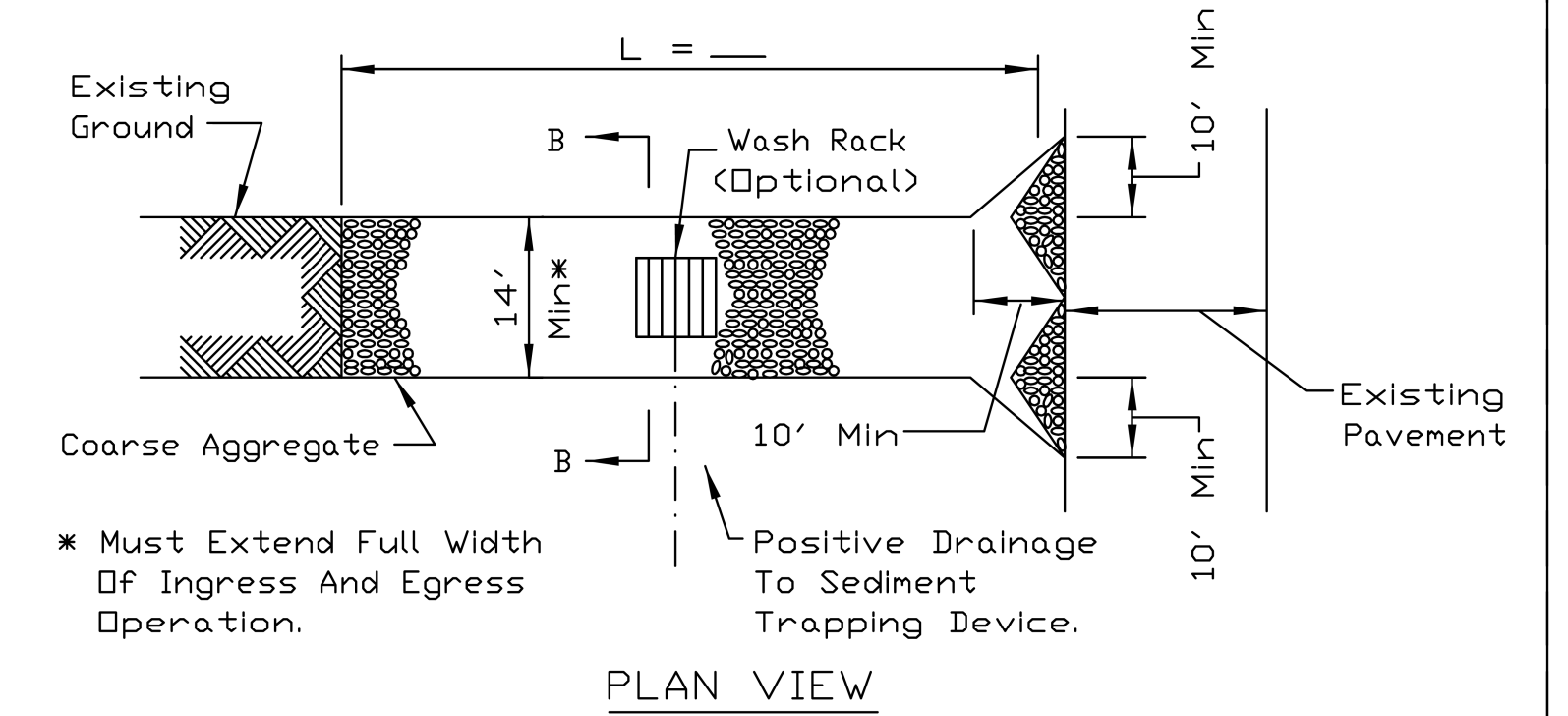
REFERENCE Project	_____		STANDARD DWG. NO.	IL-610
Designed	_____		SHEET 1 OF 1	
Checked	_____		DATE	9-15-93
Approved	_____			



- NOTES:
- Maintaining temporary concrete washout facilities shall include removing and disposing of hardened concrete and/or slurry and returning the facilities to a functional condition.
 - Facility shall be cleaned or reconstructed in a new area once washout becomes two-thirds full.

DESIGNED	_____		TEMPORARY CONCRETE WASHOUT FACILITY - BARRIER WALL	DATE	_____
CHECKED	_____				
APPROVED	_____				

STABILIZED CONSTRUCTION ENTRANCE PLAN



- NOTES:
- Filter fabric shall meet the requirements of material specification 592 GEOTEXTILE, Table I or 2, Class I, II or IV and shall be placed over the cleared area prior to the placing of rock.
 - Rock or reclaimed concrete shall meet one of the following IDDT coarse aggregate gradation, CA-1, CA-2, CA-3 or CA-4 and be placed according to construction specification 25 ROCKFILL using placement Method 1 and Class III compaction.
 - Any drainage facilities required because of washing shall be constructed according to manufacturers specifications.
 - If wash racks are used they shall be installed according to the manufacturer's specifications.

REFERENCE Project	_____		STANDARD DWG. NO.	IL-630
Designed	_____		SHEET 1 OF 2	
Checked	_____		DATE	8-18-94
Approved	_____			

CHRISTOPHER B. BURKE ENGINEERING, LTD.
 9575 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500

CLIENT:
ORLAND PARK

NO.	DATE	NATURE OF REVISION	CHKD.	MODEL:
				Default

TITLE: **VILLAGE OF ORLAND PARK DOOGAN PARK IMPROVEMENTS SOIL EROSION AND CONTROL DETAILS**

PROJ. NO. 240606
 DATE: 2/10/2026
 SHEET 33 OF 34
 DRAWING NO. **DET06**

ADS FLEXSTORM CATCH-IT INLET FILTERS

SQUARE/RECTANGULAR CURB INLET FILTER			SQUARE/RECTANGULAR INLET FILTER			ROUND INLET FILTER		
Clear Opening Size	Style P/N	Minimum Bypass Flow Rate (CFS)	Clear Opening Size	Style P/N	Minimum Bypass Flow Rate (CFS)	Clear Opening Size	Style P/N	Minimum Bypass Flow Rate (CFS)
Small: Up to 64" Perimeter	62SCBFX	2.4	Small: Up to 64" Perimeter	62SSQFX	2.4	Small: 10" - 16" Dia.	62SRDFX	1.6
Medium: 65" - 96" Perimeter	62MCBFX	3.5	Medium: 65" - 96" Perimeter	62MSQFX	3.5	Medium: 17" - 24" Dia.	62MRDFX	2.7
Large: 97" - 120" Perimeter	62LCBFX	5.0	Large: 97" - 120" Perimeter	62LSQFX	5.0	Large: 25" - 36" Dia.	62LRDFX	3.8
Extra-Large: 121" or Greater Perimeter	62XLCBFX	7.2	Extra-Large: 121" or Greater Perimeter	62XLSQFX	7.2			

SPECIFICATIONS BY NOMINAL SIZE RANGE (MIN. VALUES)			
Nominal Bag Size	Solids Storage (CuFt)	Flow Rate (CFS)*	TSS Removal Rate
Small	1.6	1.2	82% Large scale 3rd party testing per ASTM D 7351
Medium	2.1	1.7	using 7% concentration
Large	3.8	2.7	USDA Sandy Loam
Extra Large	4.2	3.6	

*Filter bag at 50% max solids storage capacity

INSTALLATION INSTRUCTIONS:

1. REMOVE GRATE
2. CLEAN GRATE LEDGE
3. SET INLET FILTER ON LOAD BEARING LEDGE OF STRUCTURE
4. REPLACE GRATE

NOTES:

1. ALL FRAMING IS CONSTRUCTED OF G90 GALVANIZED STEEL.
2. TOTAL BYPASS CAPACITY WILL VARY WITH EACH SIZE DRAINAGE STRUCTURE. ADS DESIGNS FRAMING BYPASS TO MEET OR EXCEED THE DESIGN FLOW OF THE PARTICULAR DRAINAGE STRUCTURE.
3. UPON ORDERING, CONFIRMATION OF THE INLET SPECIFICATION, PRECAST/FOUNDRY CASTING MAKE AND MODEL, OR DETAILED DIMENSIONAL FORMS MUST BE PROVIDED TO CONFIGURE AND ASSEMBLE AN INLET FILTER.
4. ALL FILTERS MEET ASTM D8057 SPECIFICATIONS.
5. FOR WRITTEN SPECIFICATIONS AND MAINTENANCE GUIDELINES VISIT WWW.ADPIPE.COM.

ALL PRODUCTS MANUFACTURED BY ADVANCED DRAINAGE SYSTEMS
WWW.ADPIPE.COM
 PH. 1-800-821-6710

SIZE	DATE	ISSUE NO.	REV.
C	02/06/2023	ADS FLEXSTORM CATCH-IT	A
SCALE	N/A		SHEET 1 OF 1

NYLOPLAST FLEXSTORM CATCH-IT

LONG CATCH-IT

12" - 30"

SHORT CATCH-IT

12" - 30"

STRUCTURE SIZE	A	B
12"	25.00	8.00
15"	25.00	9.00
18"	25.00	10.00
24"	25.00	11.90
30"	25.00	11.90

1 - CATCH-IT FRAME MATERIAL SHALL BE 304 STAINLESS STEEL.
 2 - CATCH-IT GEOTEXTILE MATERIAL SHALL BE PROPEX GEOTEX 117F.
 3 - CATCH-IT AVAILABLE FOR ALL 12" - 30" STRUCTURE OPTIONS (DRAIN BASIN, INLINE DRAIN, ROAD & HIGHWAY, & CURB INLET). INLINE DRAIN SHOULD ONLY BE USED WITH SHORT CATCH-IT.

THIS PRINT DISCLOSES SUBJECT MATTER IN WHICH NYLOPLAST HAS PROPRIETARY RIGHTS. THE RECEIPT OR POSSESSION OF THIS PRINT DOES NOT CONFER, TRANSFER, OR LICENSE THE USE OF THE DESIGN OR TECHNICAL INFORMATION SHOWN HEREIN. REPRODUCTION OF THIS PRINT OR ANY INFORMATION CONTAINED HEREIN, OR MANUFACTURE OF ANY ARTICLE HEREFROM, FOR THE DISCLOSURE TO OTHERS IS FORBIDDEN, EXCEPT BY SPECIFIC WRITTEN PERMISSION FROM NYLOPLAST. ©2013 NYLOPLAST

DRAWN BY	EBC	MATERIAL	 3130 VERONA AVE BUFORD, GA 30518 PHN (770) 932-2443 FAX (770) 932-2400 www.nyloplast-us.com
DATE	03-22-10		
REV'D BY	CCA	PROJECT NO./NAME	TITLE NYLOPLAST FLEXSTORM CATCH-IT
DATE	09-09-13		
DWG SIZE	A	SCALE 1:30 SHEET 1 OF 1	DWG NO. 7005-110-017 REV D