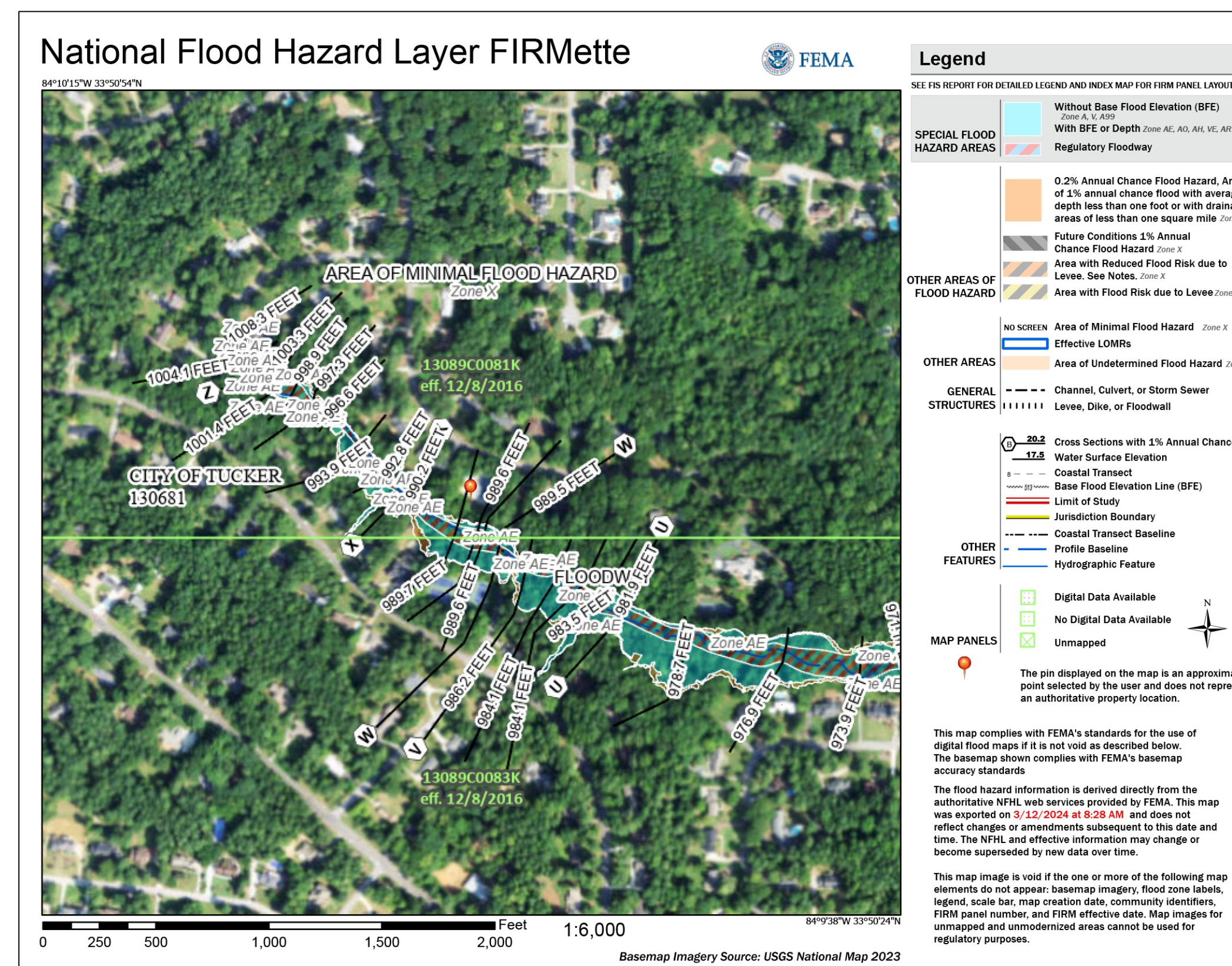
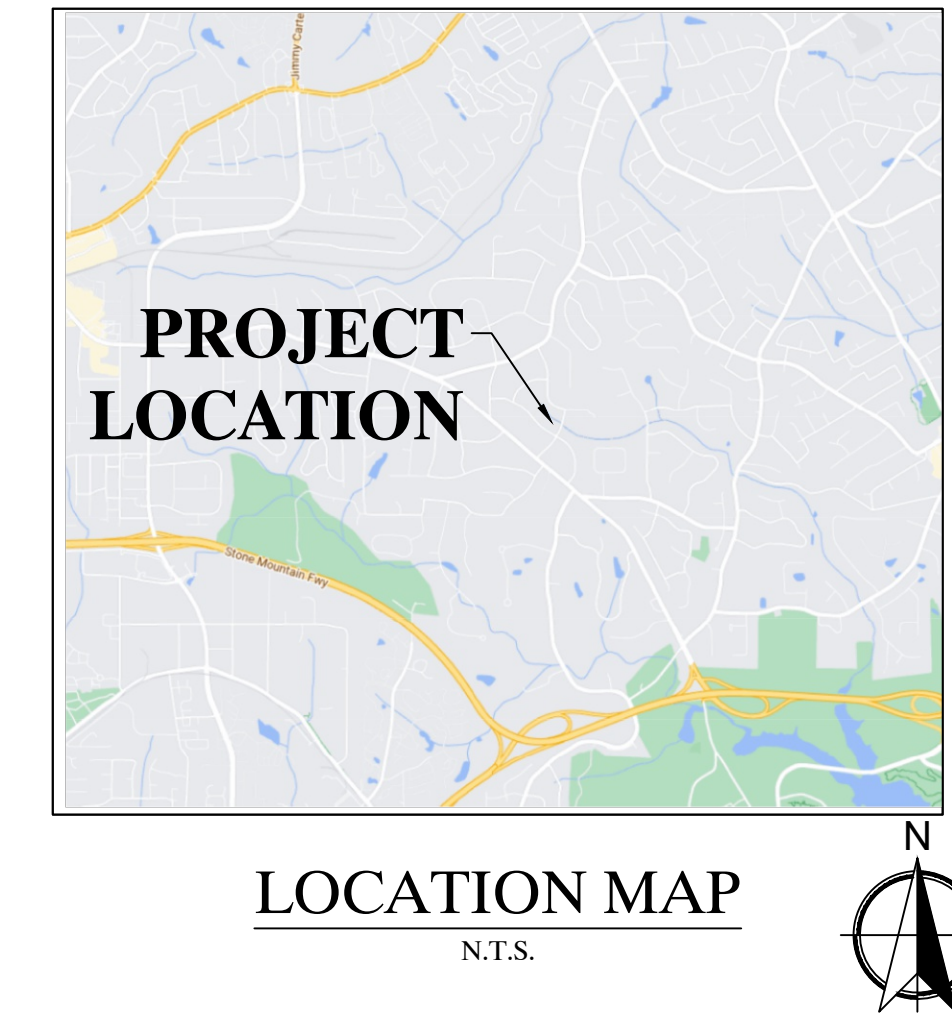
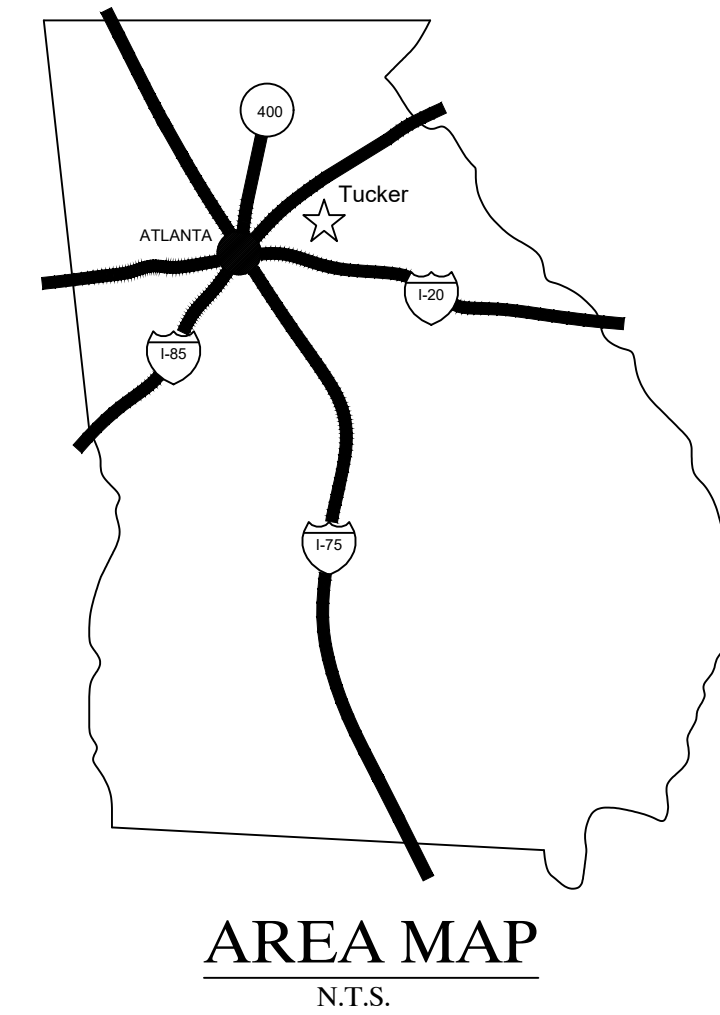


Construction Drawings for the Rosenfeld Park Improvements

2088 Glacier Drive
Tucker, Dekalb, Georgia
April 20, 2026

OWNED BY:
City of Tucker
1975 Lakeside Parkway, Suit 350
Tucker, GA 30084
(470)273-3076
Contacts: Sara Holmes

DEVELOPED BY:
Keck and Wood
3090 Premiere Pkwy, Suite 200
Duluth, GA 30097
(678)417-4000



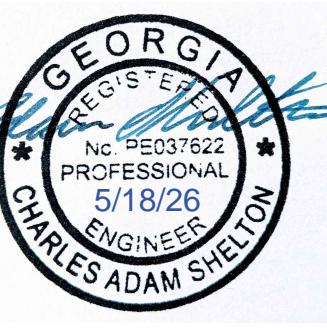
SITE PLANS

SHEET NUMBER

- C-0.0
- C-0.1
- C-1.0
- C-2.0
- C-3.0
- C-4.0
- C-4.1
- C-4.2
- D-1.0
- D-2.0
- D-3.0
- D-4.0
- D-5.0
- D-6.0
- D-7.0
- D-8.0
- D-9.0
- EC-0.1
- EC-0.2
- EC-0.3
- EC-0.4
- EC-1.0
- EC-1.1
- EC-1.2
- EC-2.0
- EC-2.1
- L-1.0
- L-2.0
- E-0.1
- E-0.2
- E-1.0
- E-2.0
- E-3.0
- E-4.0

SHEET TITLE

- COVER SHEET
- GENERAL NOTES AND LEGEND
- EXISTING CONDITIONS PLAN
- DEMOLITION PLAN
- SITE PLAN
- GRADING PLAN
- STORM DRAINAGE PLAN
- DRAINAGE PROFILES
- CONSTRUCTION DETAILS
- CONSTRUCTION DETAILS
- CONSTRUCTION DETAILS
- CONSTRUCTION DETAILS
- CONSTRUCTION DETAILS
- CONSTRUCTION DETAILS
- CONSTRUCTION DETAILS
- CONSTRUCTION DETAILS
- ESPCP NOTES
- ESPCP NOTES
- ESPCP NOTES & LEGEND
- ESPCP CHECKLIST
- ESPCP - PHASE 1
- ESPCP - PHASE 2
- ESPCP - PHASE 3
- ESPCP DETAILS
- ESPCP DETAILS
- CONSTRUCTION DETAILS
- LANDSCAPE PLAN
- LANDSCAPE DETAILS
- NOTES & LEGENDS - ELECTRICAL
- COMCHECK - ELECTRICAL
- DEMOLITION - ELECTRICAL
- PHOTOMETRICS - ELECTRICAL
- LIGHTING & POWER - ELECTRICAL
- RISER DIAGRAM & LIGHTING SCHEDULE



NO.	REVISION	DATE
	Issued for Bidding	05/18/2026

Rosenfeld Park Improvements
2088 Glacier Drive
Tucker, Georgia
COVER SHEET

THIS BAR IS
1 INCH LONG
PLOTTED FULL SCALE

Project Manager:
Adam Shelton, P.E.
Drawn By: KR
Checked By: BF
Date: 05/18/2026
Scale: As Shown

Project No.:
220238
Drawing No.:
C-0.0

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GENERAL NOTES:

- TOTAL DISTURBED AREA = 1.42 AC. A NOI WILL BE REQUIRED FOR THIS PROJECT.
- THE HORIZONTAL DATUM FOR THIS SURVEY IS THE GEORGIA COORDINATE SYSTEM, WEST ZONE. VERTICAL DATUM USED IS NAVD 83.
- EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO LAND DISTURBANCE ACTIVITIES AND SHALL BE MAINTAINED AT ALL TIMES. ADDITIONAL EROSION AND SEDIMENT CONTROL DEVICES SHALL BE INSTALLED IF DEEMED NECESSARY BY ON SITE INSPECTION OR AS DIRECTED BY THE ENGINEER.
- CONTRACTOR SHALL PERFORM CONSTRUCTION LAYOUT NECESSARY FOR PROPER GUIDANCE AND CONTROL IN THE PERFORMANCE OF ALL ITEMS OF WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. THIS SHALL INCLUDE ALL ACTIVITIES NECESSARY FOR THE PLACING, REPLACING IF NECESSARY AND MAINTAINING OF ALL CONSTRUCTION LAYOUT POINTS.
- CONTRACTOR TO COORDINATE WITH CITY ON ALL UTILITIES TO BE ADJUSTED TO FINISHED GRADE UNLESS NOTED OTHERWISE, INCLUDING, BUT NOT LIMITED TO, SANITARY SEWER MANHOLES, WATER METERS, WATER VALVES, GAS METERS, GAS VALVES, AND FIRE HYDRANTS. NO ADDITIONAL PAYMENT. GRADING COMPLETE
- THE CONTRACTOR SHALL REPLACE OR REPAIR ANY FEATURES DAMAGED DURING CONSTRUCTION NOT INTENDED FOR DEMOLITION; INCLUDING, BUT NOT LIMITED TO, PAVEMENT, CURING, SIDEWALKS, LANDSCAPING, SIGNS, UTILITIES OR HARDSCAPE ITEMS.
- PRIOR TO COMMENCING WORK, CONTRACTOR SHALL ACCURATELY LOCATE ABOVE AND BELOW GROUND UTILITIES WHICH MAY BE AFFECTED BY THE WORK. MARK THE LOCATION OF EXISTING UTILITIES AND PRESERVE AND PROTECT ALL UTILITIES NOT DESIGNATED FOR REMOVAL, RELOCATION OR REPLACEMENT IN THE COURSE OF CONSTRUCTION. PROVIDE AT LEAST 72 HOURS ADVANCE NOTICE TO THE UTILITY OWNER PRIOR TO BEGINNING CONSTRUCTION IN THE VICINITY OF THE EXISTING UTILITY LINE. FOR EXISTING LOCATION ASSISTANCE, CONTACT THE 'UNDERGROUND UTILITIES PROTECTION CENTER' AT GEORGIA 811.
- UTILITIES SHOWN ON PLANS ARE APPROXIMATELY LOCATED. ALL EXISTING UTILITIES MAY NOT HAVE BEEN FIELD LOCATED. UTILITIES ARE SHOWN FOR THE CONVENIENCE OF THE CONTRACTOR ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION OF AND PRESERVING ALL UTILITIES INCLUDING THOSE NOT SHOWN OR INCORRECTLY SHOWN ON THE PLANS. UTILITIES IN THE AREA INCLUDE, BUT ARE NOT LIMITED TO; GAS, WATER, ELECTRICAL, SANITARY SEWER, CABLE AND TELEPHONE.
- CONTRACTOR TO FIELD VERIFY LOCATIONS AND ELEVATIONS OF EXISTING IMPROVEMENTS WHICH EFFECT NEW WORK PRIOR TO COMMENCING CONSTRUCTION. CONTRACTOR TO NOTIFY ENGINEER IMMEDIATELY IF ANY DISCREPANCIES EXIST.
- IF THE CONTRACTOR, IN THE COURSE OF THE WORK, FINDS ANY DISCREPANCY BETWEEN THE PLANS AND THE PHYSICAL CONDITIONS OF THE SITE, THE CONTRACTOR SHALL PROMPTLY NOTIFY THE OWNER AND ENGINEER IN WRITING OR BY OTHER MEANS DICTATED BY THE CONTRACT. ANY WORK DONE AFTER SUCH DISCOVERY, UNTIL AUTHORIZED, WILL BE AT THE CONTRACTOR'S RISK.
- CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE LOCATION AND PROTECTION OF EXISTING ABOVE AND BELOW GRADE UTILITIES AND STRUCTURES. ANY AND ALL MAINS OR INDIVIDUAL SERVICES PRESENTLY IN SERVICE WHICH ARE DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED IMMEDIATELY AT NO ADDITIONAL EXPENSE TO THE OWNER OR UTILITY PROVIDER.
- CONTRACTOR IS TO MAINTAIN UTILITY SERVICES, INCLUDING WATER, SANITARY SEWER, STORM SEWER, NATURAL GAS, ELECTRIC, AND TELEPHONE AT ALL TIMES DURING CONSTRUCTION.
- CONTRACTOR IS TO KEEP ALL PARKING AREAS, ALLEYS, AND STREETS ADJACENT TO THE CONSTRUCTION SITE CLEAN AT ALL TIMES DURING CONSTRUCTION.
- SIGNING OF THE CONSTRUCTION AREA SHALL COMPLY WITH THE FEDERAL HIGHWAY ADMINISTRATION'S "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS". ALL SIGNAGE INCLUDING REGULATORY AND WARNING SIGNS WHICH ARE OWNED AND MAINTAINED BY GDOT ARE TO REMAIN THROUGHOUT THE DEMOLITION AND CONSTRUCTION PHASES. ALL SIGNS WHICH NEED TO BE REMOVED ARE TO BE RELOCATED IMMEDIATELY. CONTRACTOR TO SHOW SIGNAGE FOR PARK BEING CLOSED; DETAIL OF "PARK CLOSED" SIGNAGE TO BE PROVIDED.
- THE CONTRACTOR SHALL ENSURE POSITIVE AND ADEQUATE DRAINAGE IS MAINTAINED AT ALL TIMES WITHIN THE PROJECT LIMITS.
- ALL WORK TO BE DONE IN ACCORDANCE WITH THE CURRENT GEORGIA DEPARTMENT OF TRANSPORTATION (GDOT) STANDARD DETAILS AND THE GDOT STANDARD SPECIFICATIONS FOR THE CONSTRUCTION OF TRANSPORTATION SYSTEMS, 2021 EDITION, AND SUPPLEMENTS THERETO, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION.
- ALL UNDERGROUND UTILITIES ARE TO BE LOCATED BY THE UTILITY OWNER OR A "LOCATE" FIRM PRIOR TO EARTH DISTURBING ACTIVITIES. NO ADDITIONAL PAYMENT.
- THE CONTRACTOR SHALL STRICTLY ADHERE TO DUST CONTROL REGULATIONS. ALL AREAS SUBJECTED TO DUST FORMATION MUST BE PERIODICALLY WATERED SUFFICIENT TO RETARD DUST.
- TYPE OF GRASS OR SOD USED ON THIS PROJECT WILL BE REQUIRED TO MATCH TYPE OF GRASS OR SOD WHICH MAY BE PLANTED AND GROWING ON THE ADJACENT LAWN. I.E. BERMUDA SOD FOR BERMUDA SOD, ZOYSIA FOR ZOYSIA ETC.
- INGRESS AND EGRESS SHALL BE MAINTAINED AT ALL TIMES TO ADJACENT PROPERTIES. REFER TO SUB-SECTION 107.07 OF THE GDOT STANDARD SPECIFICATIONS.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FURNISH SUITABLE BORROW MATERIAL FOR THE PROJECT AND DISPOSE OF ANY UNSUITABLE OR WASTE MATERIAL.
- CONTRACTOR IS TO PREVENT DAMAGE TO BUILDINGS, UTILITIES, AND OTHER FEATURES TO REMAIN. CONTRACTOR TO REPAIR DAMAGED FEATURES TO ORIGINAL CONDITION OR BETTER AT CONTRACTORS EXPENSE.
- ALL SIDEWALKS AND DRIVEWAYS SHALL MEET GDOT AND ADA STANDARDS.
- CONTRACTOR TO REMOVE SIGNS AND OTHER STREET ITEMS AS NEEDED, PRIOR TO DEMOLITION, AND REINSTALL AFTER SIDEWALK AND CURB & GUTTER COMPLETION. REINSTALL SIGNS AT PREVIOUS LOCATIONS OR AS CLOSE AS POSSIBLE FOR CLEAR VISIBILITY.
- AMOUNT OF ADDITIONAL ASPHALT REMOVAL ALONG CURB SHOULD BE LIMITED TO THAT REQUIRED FOR DEMOLITION AND CURB FORM PLACEMENT UNLESS OTHERWISE SPECIFIED. CONTRACTOR TO SAWCUT ASPHALT AS NEEDED TO PROVIDE A SMOOTH AND STRAIGHT EDGE FOR PAVEMENT REPAIR. SEE PAVEMENT DETAIL ON SHEET D-3.0, DETAIL 15.
- TAPER PROPOSED CURBS & GUTTERS TO MATCH EXISTING CURBS & GUTTERS. PROPOSED CURB AND GUTTER TO MATCH ADJACENT PAVEMENT ELEVATIONS UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL OBSERVE ALL APPLICABLE LOCAL, STATE, AND FEDERAL SAFETY REGULATIONS REGARDING PIPE INSTALLATION IN TRENCHES.

- AT LOCATIONS WHERE NEW PAVEMENT IS TO BE PLACED ADJACENT TO EXISTING PAVEMENT WITHOUT AN OVERLAY OR WHERE CURBING IS TO BE PLACED ACROSS A PAVED AREA, A JOINT SHALL BE SAWS ON A LINE ESTABLISHED BY THE ENGINEER TO ENSURE PAVEMENT REMOVAL TO A NEAT LINE.
- THE CONTRACTOR'S ATTENTION IS DIRECTED TO ARTICLES 104.05 AND 107.07 OF THE STANDARD SPECIFICATIONS AND THE SPECIAL PROVISIONS FOR TRAFFIC CONTROL AND SEQUENCE OF OPERATIONS IN REGARDS TO MAINTENANCE OF TRAFFIC DURING CONSTRUCTION.
- ALL TEMPORARY SIGNING AND PAVEMENT MARKING SHALL BE IN ACCORDANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", CURRENT EDITION AND/OR AS DIRECTED BY THE ENGINEER.
- ALL CUT AND FILL SLOPES SHALL BE GRASSED AS DIRECTED BY THE ENGINEER IMMEDIATELY AFTER THE SLOPES ARE ESTABLISHED IN ORDER TO REDUCE EROSION, IF THE SEASON DOES NOT PERMIT GRASSING, TEMPORARY MULCH SHALL BE USED AS DIRECTED BY THE ENGINEER.
- ALL SILT FENCES MUST BE PLACED AS ACCESS IS OBTAINED DURING CLEARING, NO GRADING SHALL BE DONE UNTIL SILT FENCE INSTALLATION IS COMPLETE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN ALL SILT FENCES AND TO REPAIR OR REPLACE ANY SILT FENCE THAT IS NOT SATISFACTORY. EROSION CONTROL GATES SHALL BE PLACED IMMEDIATELY AFTER DRAINAGE STRUCTURES ARE IN PLACE. ALL EROSION CONTROL DEVICES SHALL BE PLACED ACCORDING TO THE PLANS AND AS DIRECTED BY THE ENGINEER. SEE THE GEORGIA STANDARD SPECIFICATIONS AND THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA", CURRENT EDITION REGARDING EROSION CONTROL.
- THE USE OF PRECAST STRUCTURES FOR STORM SEWER IMPROVEMENTS WILL BE DONE SO AT THE CONTRACTOR'S RISK. NO ADDITIONAL PAYMENT WILL BE MADE FOR A REPLACEMENT STRUCTURE DUE TO UTILITY CONFLICTS.
- CONTRACTOR TO ENSURE THAT ALL PROPOSED CONCRETE IS FINISHED TO THE SATISFACTION OF THE CITY OF TUCKER. CONTRACTOR TO COORDINATE WITH THE CITY OF TUCKER AND ENGINEER TO REVIEW THE FIRST CONCRETE POUR, PRIOR TO MOVING FORWARD WITH THE REMAINING CONCRETE PLACEMENT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING A MARKED-UP SET OF DESIGN DRAWINGS SHOWING "AS-BUILT" CONDITIONS. THESE "RECORD DRAWINGS" SHALL BE MADE AVAILABLE TO THE DESIGNER, OWNER, AND/OR THE INSPECTOR UPON REQUEST. THE MARK-UPS SHALL BE KEPT AT THE SITE AT ALL TIMES DURING CONSTRUCTION AND PROVIDED TO THE OWNER AT THE END OF CONSTRUCTION.
- COMPACTION REQUIREMENTS SHALL BE IN ACCORDANCE WITH GDOT STANDARDS.
- ALL PIPE ELEVATIONS SHOWN ARE TO THE INVERT UNLESS NOTED OTHERWISE.
- DEMOLITION DEBRIS SHALL BECOME THE PROPERTY OF THE CONTRACTOR UNLESS OTHERWISE NOTED IN THE CONTRACT OR PROJECT SPECIFICATIONS. ALL WASTE SOILS, VEGETATION, AND OTHER DELETERIOUS MATERIALS SHALL BE HAULED OFF-SITE AND DISPOSED OF AT AN APPROVED LOCATION IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS. BURNING WILL NOT BE ALLOWED ON THIS PROJECT UNLESS WRITTEN APPROVAL IS OBTAINED FROM THE CITY.
- CONTRACTOR SHALL VERIFY WITH HOMEOWNER IF AN IRRIGATION SYSTEM IS PRESENT ON THE PROPERTY. IF IRRIGATION SYSTEM IS PRESENT, CONTRACTOR TO VISUALLY VERIFY WITH HOMEOWNER THAT EXISTING IRRIGATION SYSTEM IS IN GOOD WORKING ORDER PRIOR TO BEGINNING WORK. ALL DAMAGES TO IRRIGATION SYSTEM SHALL BE REPAIRED AT NO ADDITIONAL EXPENSE TO THE OWNER OR HOMEOWNER.

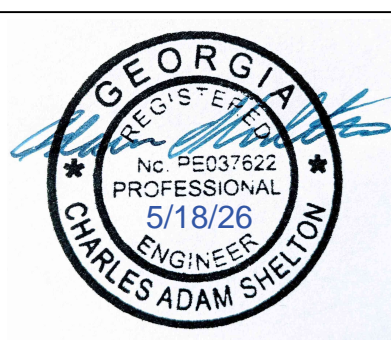
	EXISTING	PROPOSED
SANITARY SEWER		
SANITARY MANHOLE		
SANITARY SEWER LINE		
SANITARY SEWER SERVICE		
SEWER FORCE MAIN		
AIR RELEASE VALVE		
POTABLE WATER		
FIRE HYDRANT		
WATER SERVICE		
WATER VALVE		
TEE		
TAP		
REDUCER		
BLOWOFF		
STUBOUT		
WATERLINE		
FIRE LINE		
WELL		
STORM SEWER		
FLARED END SECTION		
TYPE 1 CATCH BASIN		
TYPE 9 CATCH BASIN		
STORM DRAIN JUNCTION BOX		
DROP INLET		
STORM DRAIN		
STORM DRAIN EASEMENT		
GRADING / EROSION CONTROL		
MAJOR CONTOUR		
MINOR CONTOUR		
TEMPORARY CONTOUR		
SPOT ELEVATION		
TOP OF WALL ELEVATION		
BOTTOM OF WALL ELEVATION		
TEMPORARY INLET PROTECTION		
LIMITS OF CONSTRUCTION		
LIMITS OF DISTURBANCE		
TEMPORARY DIVERSION DIKE		
TEMPORARY DIVERSION SWALE		
PERMANENT SWALE/DITCH		
EXISTING SWALE/DITCH		
SILT FENCE		
TIME OF CONCENTRATION		
TEMPORARY SEDIMENT TRAP		
BASIN		
WATER QUALITY BASIN		
TEMPORARY GRAVEL CONSTRUCTION ENTRANCE		
CHECK DAM		
TEMPORARY FILTER BERM		
TREE PROTECTION FENCING		
CONCRETE WASHOUT AREA		

	EXISTING	PROPOSED
DRY UTILITIES		
LIGHT POLE		
POWER POLE		
GUY WIRE		
ELECTRICAL TRANSFORMER		
ELECTRICAL BOX		
TELEPHONE PEDESTAL		
TRANSMISSION TOWER		
OVERHEAD ELECTRIC		
UNDERGROUND ELECTRIC		
GAS VALVE		
GAS LINE		
UNDERGROUND TELEPHONE		
SITE PLAN		
ACCESSIBLE RAMP		
SIGN		
DOUBLE POLE SIGN		
ACCESSIBLE PARKING SPACE		
CROSSWALK		
DIRECTIONAL ARROWS (FOR INFORMATION ONLY)		
DIRECTIONAL ARROWS (TO BE PAINTED)		
CONCRETE SIDEWALK		
BOLLARD		
MAIL BOX		
REVISION MARKER		
OTHER LINE TYPES		
ROAD CENTERLINE		
PROPERTY LINE		
PROPERTY BOUNDARY		
WOOD FENCE		
BARBED WIRE FENCE		
CHAIN LINK FENCE		
CITY LIMITS		
PHASE LINES		
STREAM		
STREAM BUFFER		
CURB AND GUTTER		
EDGE OF PAVEMENT		
SETBACK		
AIR LINES		
PETRO LINES		
PERMANENT EASEMENT		
TEMPORARY EASEMENT		
RIGHT OF WAY		

SURVEY	
EXISTING IRON PIN	
NEW IRON PIN (5/8" REBAR)	
CALCULATED POINT	
BENCHMARK	

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Keck+Wood
 COLLABORATION BY DESIGN
 3090 Premiere Parkway, Suite 200
 Duluth, GA 30097
 (678) 417-4000
 keckwood.com



NO.	DATE	REVISION
	05/18/2026	Issued for Bidding

Rosenfeld Park Improvements
 2088 Glacier Drive
 Tucker, Georgia

GENERAL NOTES

THIS BAR IS
 1 INCH LONG
 PLOTTED FULL SCALE

Project Manager:
 Adam Shelton, P.E.

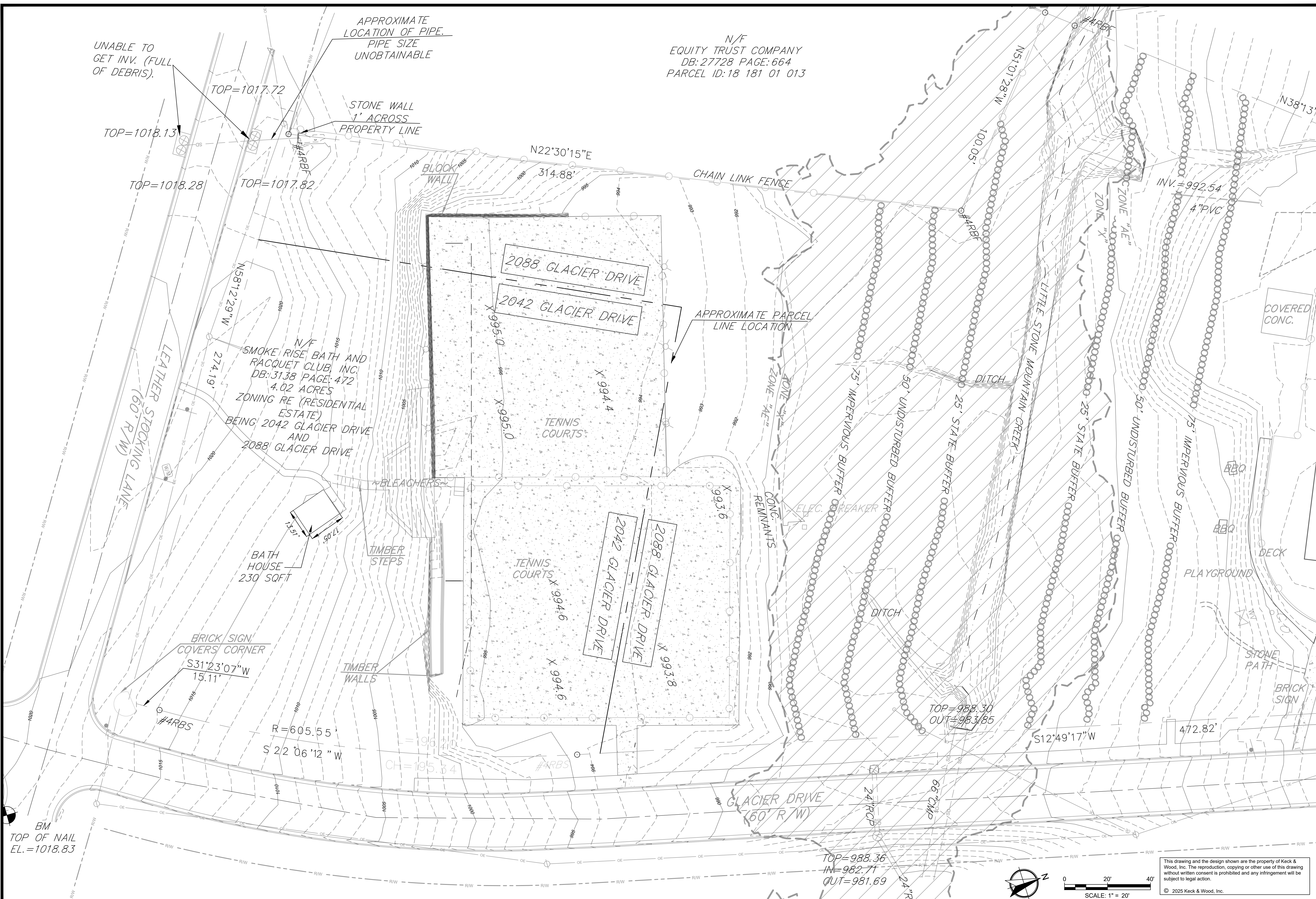
Drawn By: KR Checked By: BF

Date: 05/18/2026

Scale: As Shown

Project No.:
 220238

Drawing No.:
 C-0.1



UNABLE TO GET INV. (FULL OF DEBRIS).

N/F
EQUITY TRUST COMPANY
DB: 27728 PAGE: 664
PARCEL ID: 18 181 01 013

APPROXIMATE LOCATION OF PIPE.
PIPE SIZE UNOBTAINABLE

STONE WALL
1' ACROSS
PROPERTY LINE

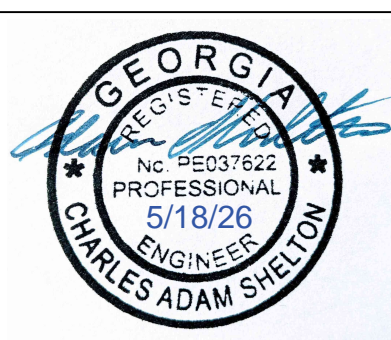
APPROXIMATE PARCEL
LINE LOCATION

N/F
SMOKE RISE BATH AND
RACQUET CLUB, INC.
DB: 3138 PAGE: 472
4.02 ACRES
ZONING RE (RESIDENTIAL
ESTATE)
BEING 2042 GLACIER DRIVE
AND
2088 GLACIER DRIVE

BRICK SIGN
COVERS CORNER

BM
TOP OF NAIL
EL. = 1018.83

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Rosenfeld Park Improvements
2088 Glacier Drive
Tucker, Georgia

EXISTING CONDITIONS PLAN

THIS BAR IS
1 INCH LONG
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Project Manager:
Adam Shelton, P.E.

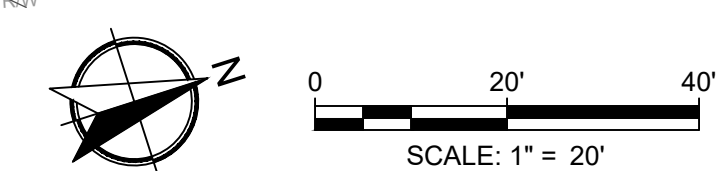
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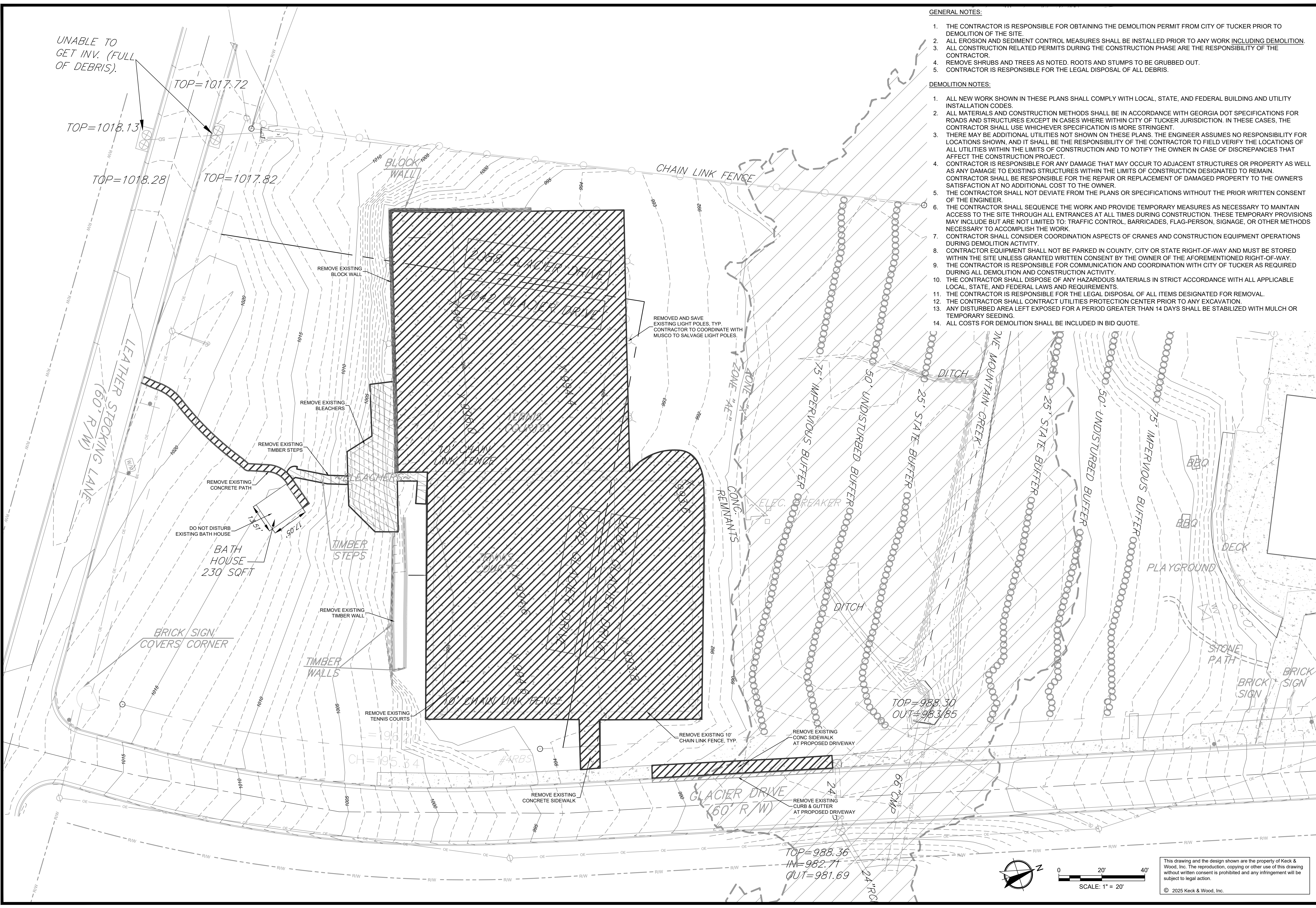
Project No.:
220238

Drawing No.:
C-1.0

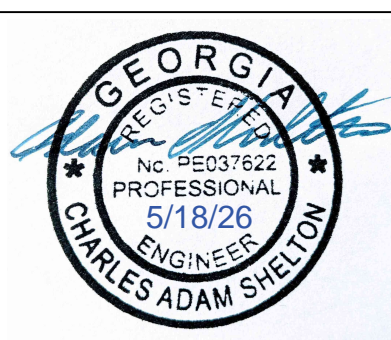


© Shared Drive 2025 Project 220238 - Rosenfeld Park Improvements CAD Drawing Rosenfeld Park Construction 11-21-2025.dwg

UNABLE TO GET INV. (FULL OF DEBRIS).



- GENERAL NOTES:**
1. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING THE DEMOLITION PERMIT FROM CITY OF TUCKER PRIOR TO DEMOLITION OF THE SITE.
 2. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO ANY WORK INCLUDING DEMOLITION.
 3. ALL CONSTRUCTION RELATED PERMITS DURING THE CONSTRUCTION PHASE ARE THE RESPONSIBILITY OF THE CONTRACTOR.
 4. REMOVE SHRUBS AND TREES AS NOTED. ROOTS AND STUMPS TO BE GRUBBED OUT.
 5. CONTRACTOR IS RESPONSIBLE FOR THE LEGAL DISPOSAL OF ALL DEBRIS.
- DEMOLITION NOTES:**
1. ALL NEW WORK SHOWN IN THESE PLANS SHALL COMPLY WITH LOCAL, STATE, AND FEDERAL BUILDING AND UTILITY INSTALLATION CODES.
 2. ALL MATERIALS AND CONSTRUCTION METHODS SHALL BE IN ACCORDANCE WITH GEORGIA DOT SPECIFICATIONS FOR ROADS AND STRUCTURES EXCEPT IN CASES WHERE WITHIN CITY OF TUCKER JURISDICTION. IN THESE CASES, THE CONTRACTOR SHALL USE WHICHEVER SPECIFICATION IS MORE STRINGENT.
 3. THERE MAY BE ADDITIONAL UTILITIES NOT SHOWN ON THESE PLANS. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR LOCATIONS SHOWN, AND IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY THE LOCATIONS OF ALL UTILITIES WITHIN THE LIMITS OF CONSTRUCTION AND TO NOTIFY THE OWNER IN CASE OF DISCREPANCIES THAT AFFECT THE CONSTRUCTION PROJECT.
 4. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE THAT MAY OCCUR TO ADJACENT STRUCTURES OR PROPERTY AS WELL AS ANY DAMAGE TO EXISTING STRUCTURES WITHIN THE LIMITS OF CONSTRUCTION DESIGNATED TO REMAIN. CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OR REPLACEMENT OF DAMAGED PROPERTY TO THE OWNER'S SATISFACTION AT NO ADDITIONAL COST TO THE OWNER.
 5. THE CONTRACTOR SHALL NOT DEVIATE FROM THE PLANS OR SPECIFICATIONS WITHOUT THE PRIOR WRITTEN CONSENT OF THE ENGINEER.
 6. THE CONTRACTOR SHALL SEQUENCE THE WORK AND PROVIDE TEMPORARY MEASURES AS NECESSARY TO MAINTAIN ACCESS TO THE SITE THROUGH ALL ENTRANCES AT ALL TIMES DURING CONSTRUCTION. THESE TEMPORARY PROVISIONS MAY INCLUDE BUT ARE NOT LIMITED TO: TRAFFIC CONTROL, BARRICADES, FLAG-PERSON, SIGNAGE, OR OTHER METHODS NECESSARY TO ACCOMPLISH THE WORK.
 7. CONTRACTOR SHALL CONSIDER COORDINATION ASPECTS OF CRANES AND CONSTRUCTION EQUIPMENT OPERATIONS DURING DEMOLITION ACTIVITY.
 8. CONTRACTOR EQUIPMENT SHALL NOT BE PARKED IN COUNTY, CITY OR STATE RIGHT-OF-WAY AND MUST BE STORED WITHIN THE SITE UNLESS GRANTED WRITTEN CONSENT BY THE OWNER OF THE AFOREMENTIONED RIGHT-OF-WAY.
 9. THE CONTRACTOR IS RESPONSIBLE FOR COMMUNICATION AND COORDINATION WITH CITY OF TUCKER AS REQUIRED DURING ALL DEMOLITION AND CONSTRUCTION ACTIVITY.
 10. THE CONTRACTOR SHALL DISPOSE OF ANY HAZARDOUS MATERIALS IN STRICT ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL LAWS AND REQUIREMENTS.
 11. THE CONTRACTOR IS RESPONSIBLE FOR THE LEGAL DISPOSAL OF ALL ITEMS DESIGNATED FOR REMOVAL.
 12. THE CONTRACTOR SHALL CONTRACT UTILITIES PROTECTION CENTER PRIOR TO ANY EXCAVATION.
 13. ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.
 14. ALL COSTS FOR DEMOLITION SHALL BE INCLUDED IN BID QUOTE.



NO.	DATE	REVISION
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Rosenfeld Park Improvements
2088 Glacier Drive
Tucker, Georgia

DEMOLITION PLAN

THIS BAR IS 1 INCH LONG PLOTTED FULL SCALE

Project Manager:
Adam Shelton, P.E.

Drawn By: KR
Checked By: BF

Date: 05/18/2026
Scale: As Shown

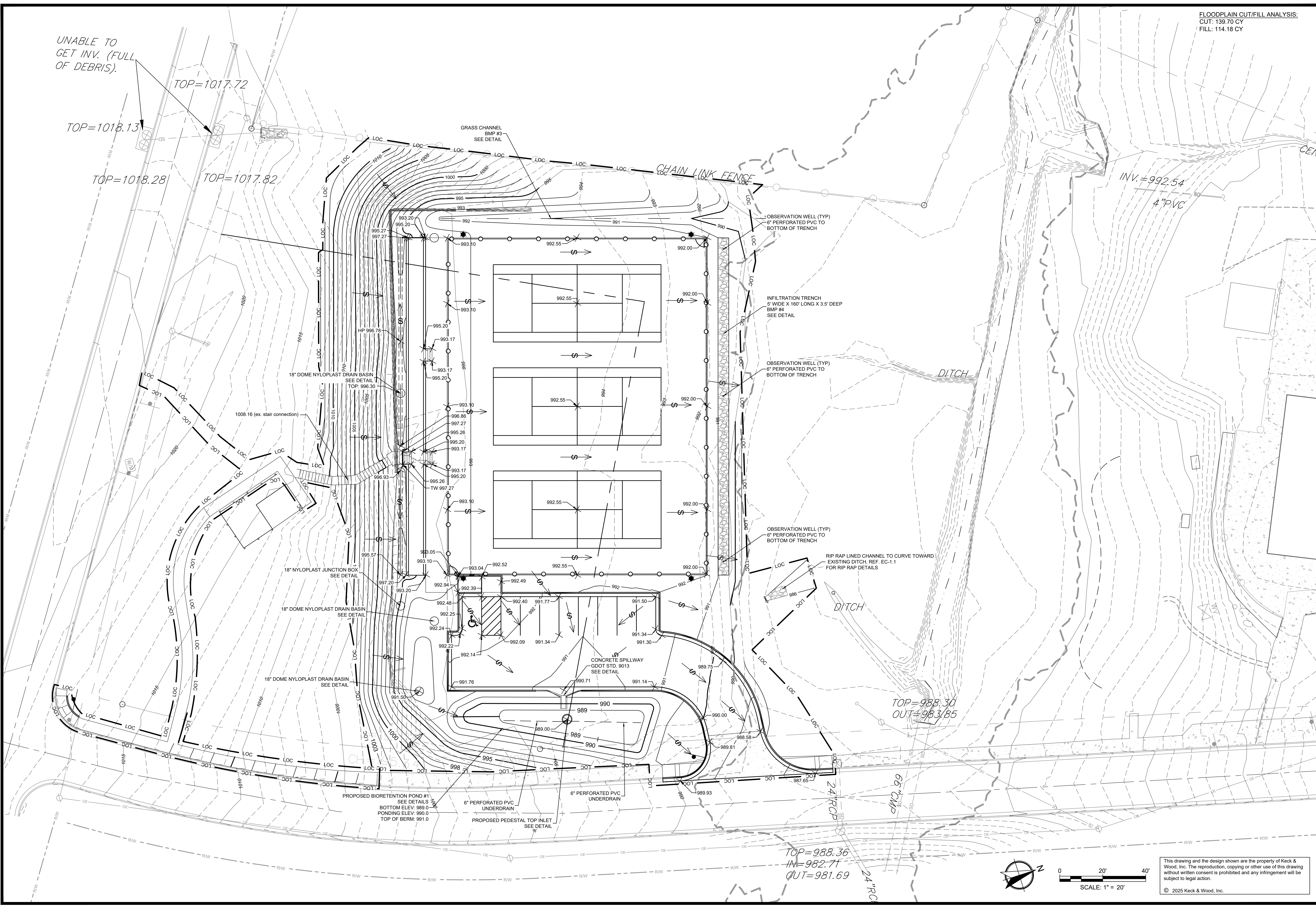
Project No.: 220238
Drawing No.: C-2.0

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G:\Shared Drive\2023 Project\220238 - Rosenfeld Park Improvements\CAD\Drawings\2088 Glacier Drive Demolition Plan Construction\1-21-26\220238.dwg

FLOODPLAIN CUT/FILL ANALYSIS:
 CUT: 139.70 CY
 FILL: 114.18 CY

UNABLE TO
 GET INV. (FULL
 OF DEBRIS).



NO.	DATE	REVISION
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Rosenfeld Park Improvements
 2088 Glacier Drive
 Tucker, Georgia
GRADING PLAN

THIS BAR IS
 1 INCH LONG
 PLOTTED FULL SCALE

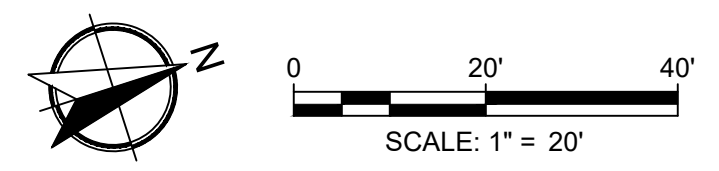
Project Manager:
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Drawn By: KR
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Date: 05/18/2026
 Scale: As Shown

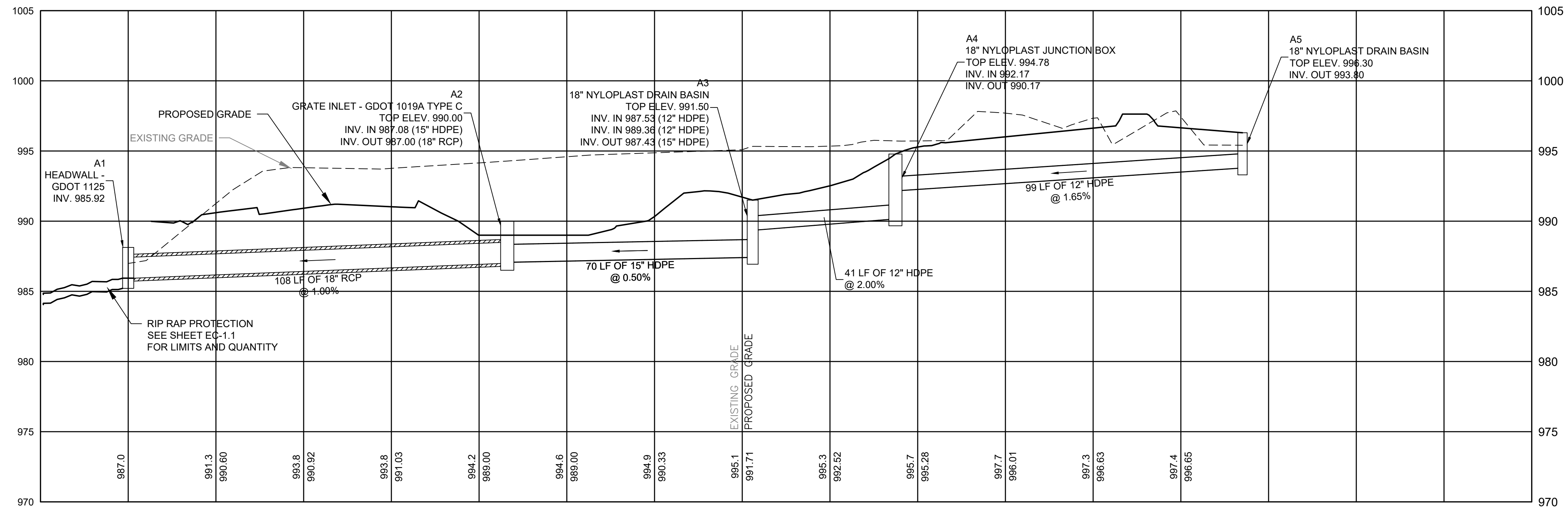
Project No.:
 220238

Drawing No.:
 C-4.0



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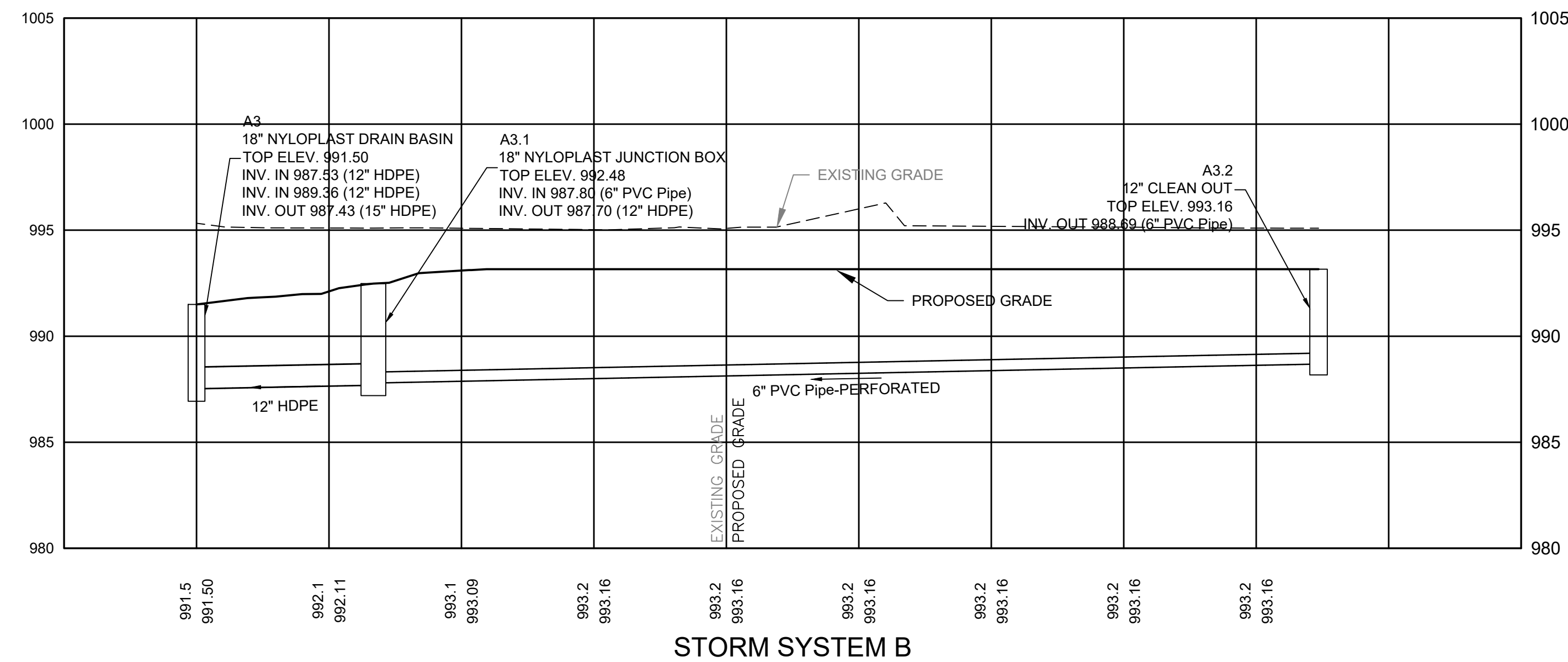
C:\Shared\Drawings\2025\Projects\220238 - Rosenfeld Park Improvements\CADD\Drawings\Rosenfeld Park Construction\11-21-25-2026.dwg



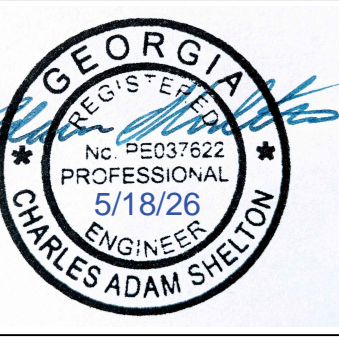
STORM SYSTEM A

Storm Sewer Tabulation Page 1

Station	Len	Dmg Area		Rnoff coeff	Area x C		Tc	Rain (l)	Total flow	Cap full	Vel	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID		
		Incr (ac)	Total (ac)		Incr	Total						Inlet (min)	Syst (min)	Size (in)	Slope (%)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)		Dn (ft)	Up (ft)
1	End	108.000	0.28	1.32	0.65	0.18	0.57	5.0	7.4	8.1	4.56	10.95	5.27	18	0.93	986.00	987.00	986.68	987.82	0.00	990.00	A2-A1
2	1	70.000	0.38	1.04	0.40	0.15	0.38	5.0	7.0	8.3	3.17	4.95	4.26	15	0.50	987.08	987.43	987.82	988.15	900.00	900.74	A3-A2
3	2	80.000	0.43	0.66	0.35	0.15	0.23	5.0	6.2	8.6	2.00	4.95	2.77	15	0.50	987.53	987.93	988.58	988.49	900.74	900.88	A4-A3
4	3	70.000	0.23	0.23	0.35	0.08	0.08	5.0	5.0	9.3	0.75	2.73	2.62	12	0.50	988.03	988.38	988.49	988.74	900.88	900.88	A5-A4



STORM SYSTEM B



NO.	DATE	REVISION
	05/18/2026	Issued for Bidding

Rosenfeld Park Improvements
2088 Glacier Drive
Tucker, Georgia

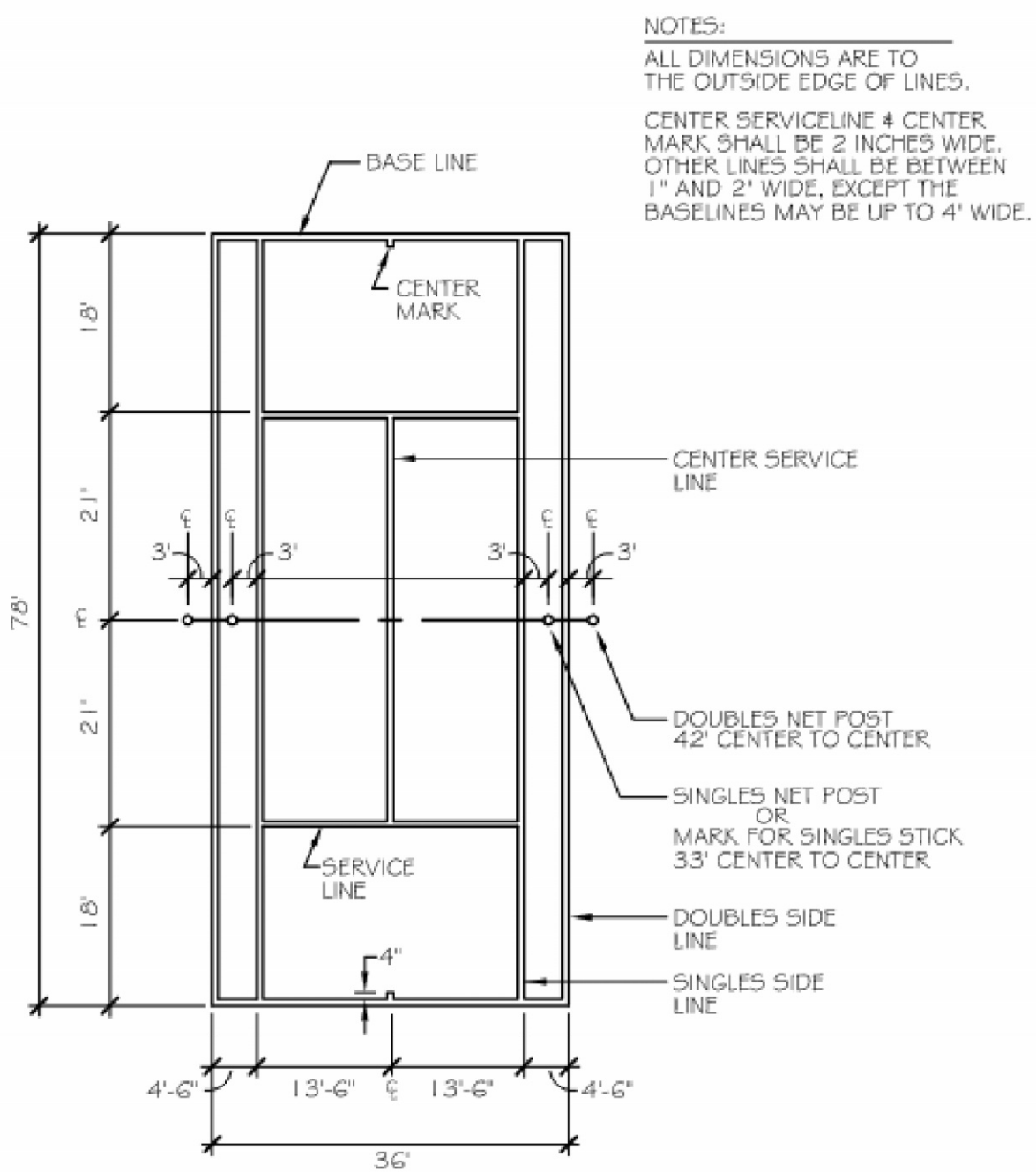
STORM DRAINAGE PROFILE

THIS BAR IS
1 INCH LONG
PLOTTED FULL SCALE

Project Manager:
Adam Shelton, P.E.
Drawn By: KR
Checked By: BF
Date: 05/18/2026
Scale: As Shown

Project No.:
220238
Drawing No.:
C-4.2

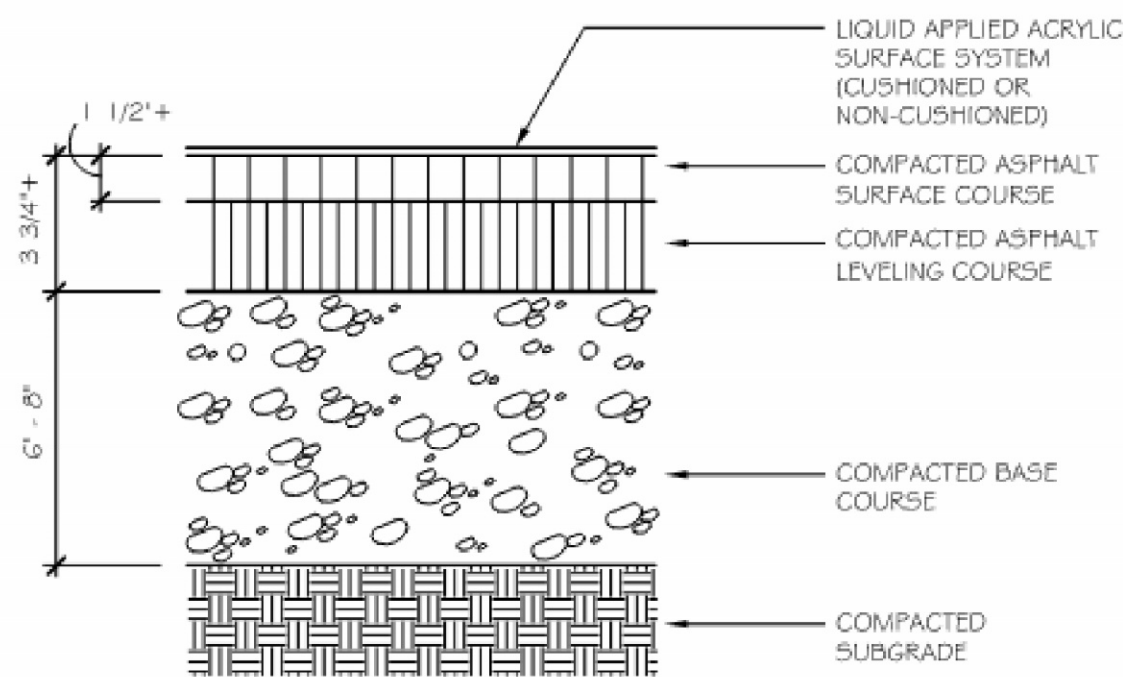
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NOTES:
ALL DIMENSIONS ARE TO THE OUTSIDE EDGE OF LINES.
CENTER SERVICELINE & CENTER MARK SHALL BE 2 INCHES WIDE. OTHER LINES SHALL BE BETWEEN 1" AND 2" WIDE, EXCEPT THE BASELINES MAY BE UP TO 4" WIDE.

NOTES:
STRIPING TO BE PROVIDED BY COURT SURFACE VENDOR, INCLUDE IN SUBMITTAL

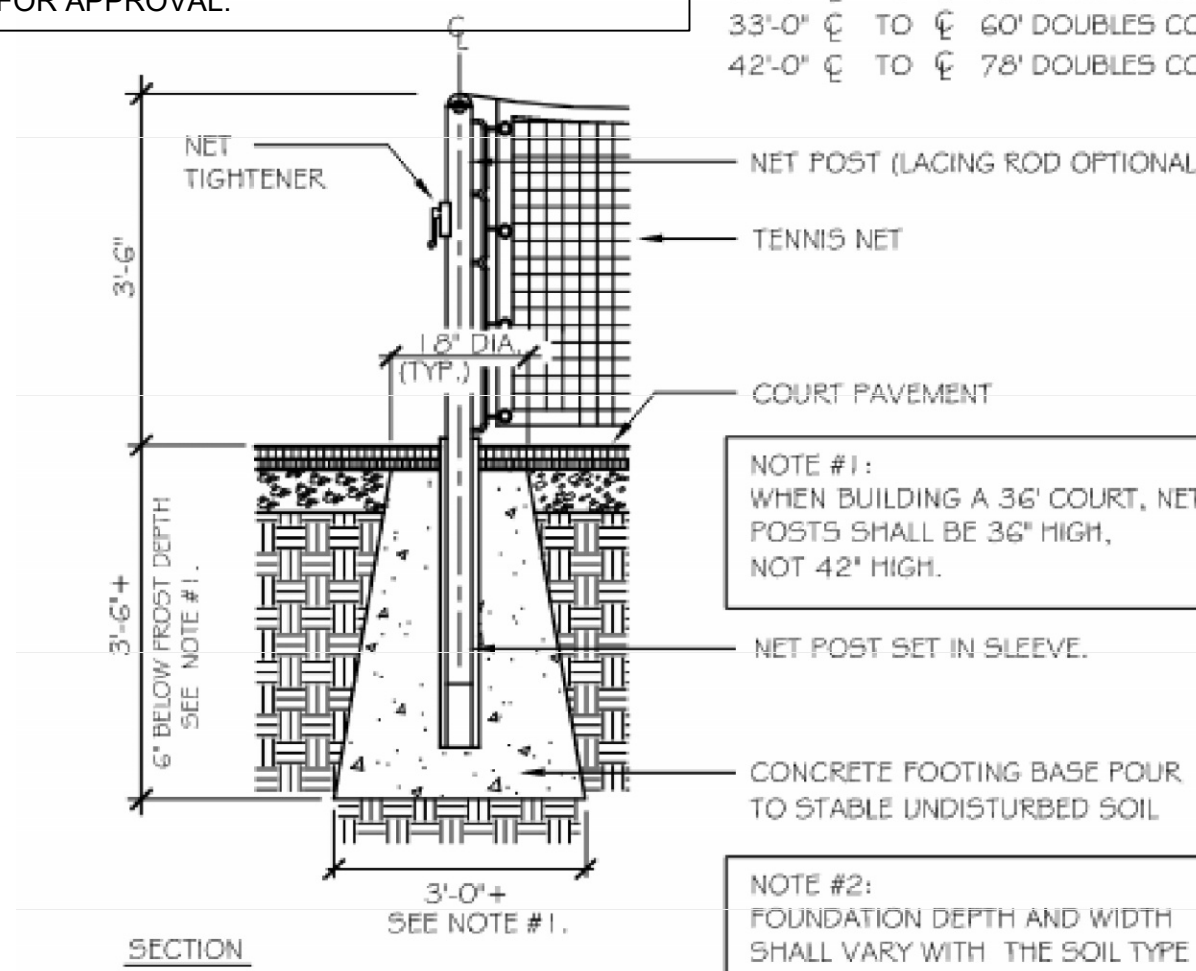
78' COURT - PLAYING LINE LAYOUT
NOT TO SCALE



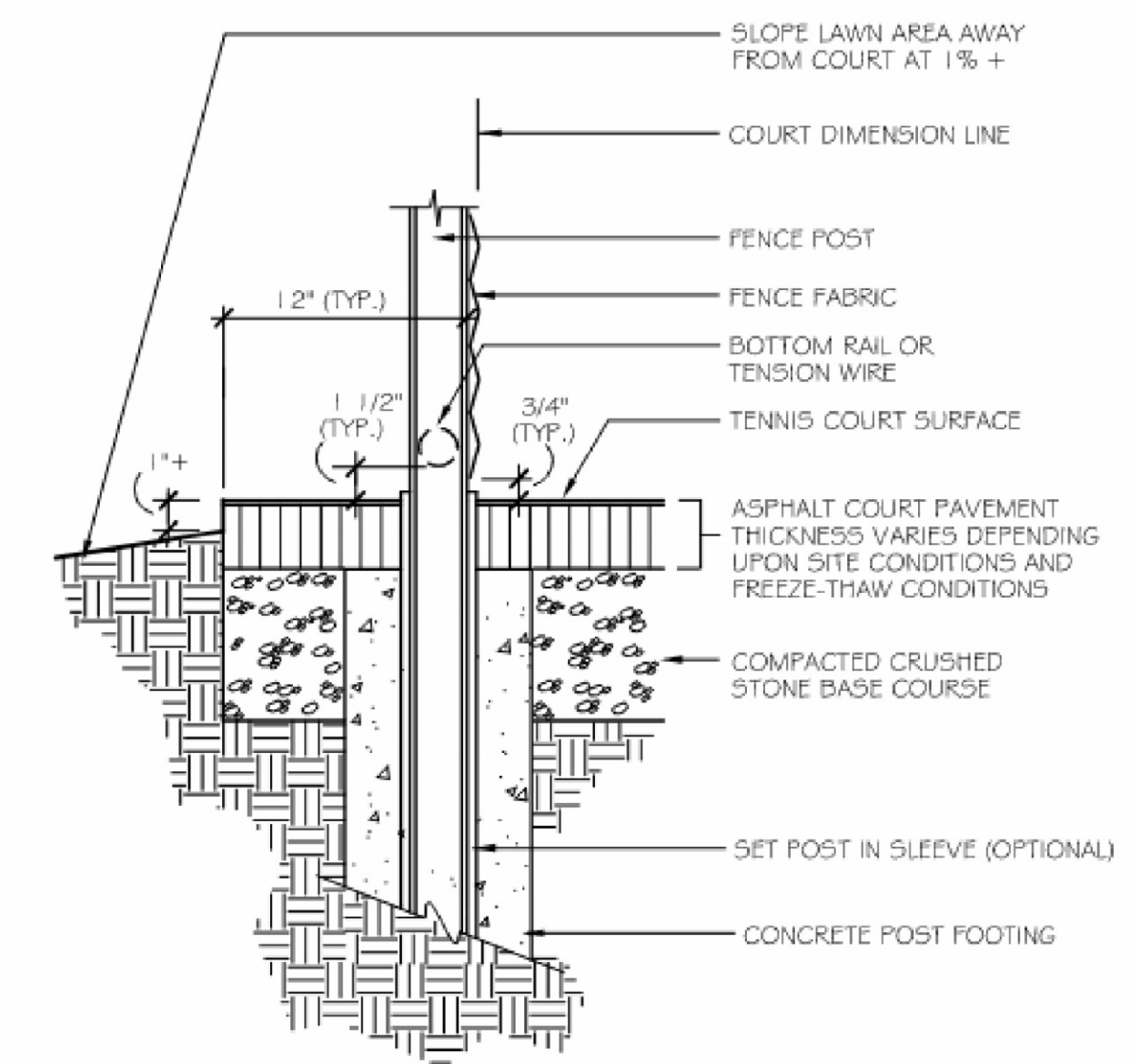
ASPHALT COURT FOR FREEZE/THAW CLIMATE
NOT TO SCALE

NOTE:
FOOTING FOR INFORMATION PURPOSES ONLY.
CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR APPROVAL.

NET POST LOCATIONS:
33'-0" ϵ TO ϵ 78' SINGLES COURT
33'-0" ϵ TO ϵ 60' DOUBLES COURT
42'-0" ϵ TO ϵ 78' DOUBLES COURT



SECTION
NOTE #1:
WHEN BUILDING A 36' COURT, NET POSTS SHALL BE 36" HIGH, NOT 42" HIGH.
NOTE #2:
FOUNDATION DEPTH AND WIDTH SHALL VARY WITH THE SOIL TYPE AND STRENGTH OF THE NET POST
PLAN
TENNIS NET POST FOOTING - PYRAMID SHAPE
NOT TO SCALE



EXTENDED APRON SECTION AT ASPHALT COURT EDGE
NOT TO SCALE

1 PLAYING LINE LAYOUT

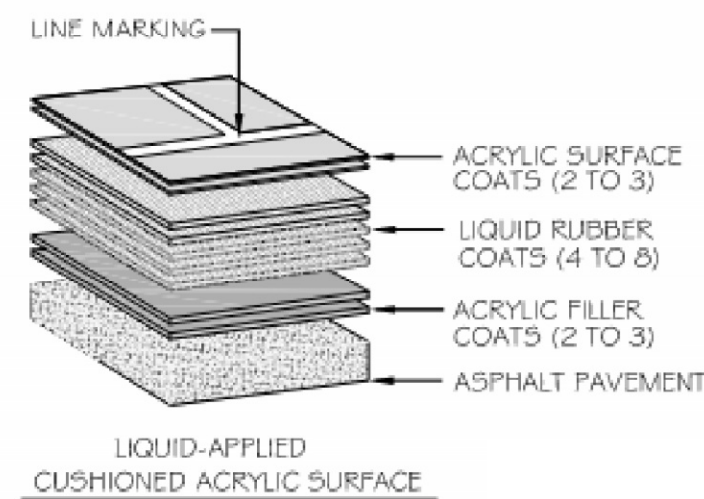
2 ASPHALT COURT SECTION

3 TENNIS NET POST FOOTING

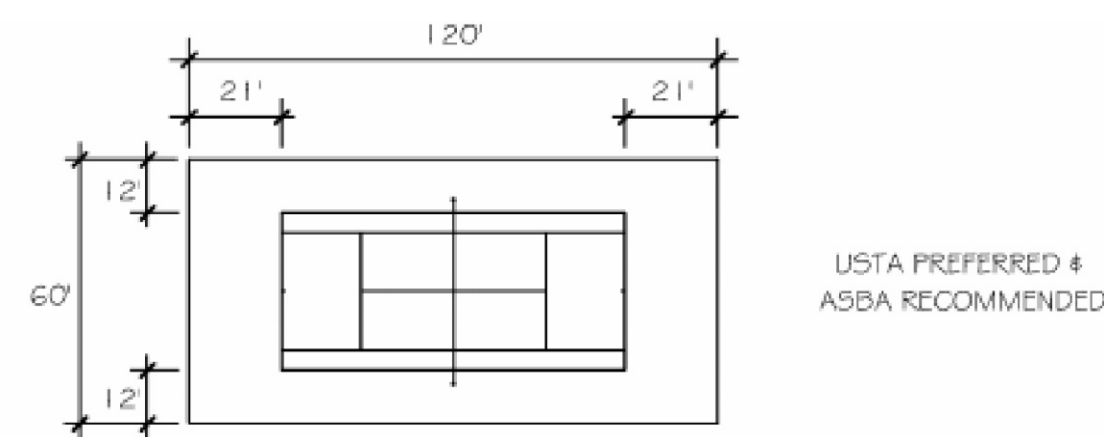
4 EXTENDED APRON SECTION - ASPHALT COURT

NOTES:
TENNIS COURT SURFACE TO BE NOVACUSHION COLOR FINISH SYSTEM BY NOVA SPORTS U.S.A. INC. (800 USA NOVA) / WWW.NOVASPORTS.COM, OR CITY APPROVED EQUAL

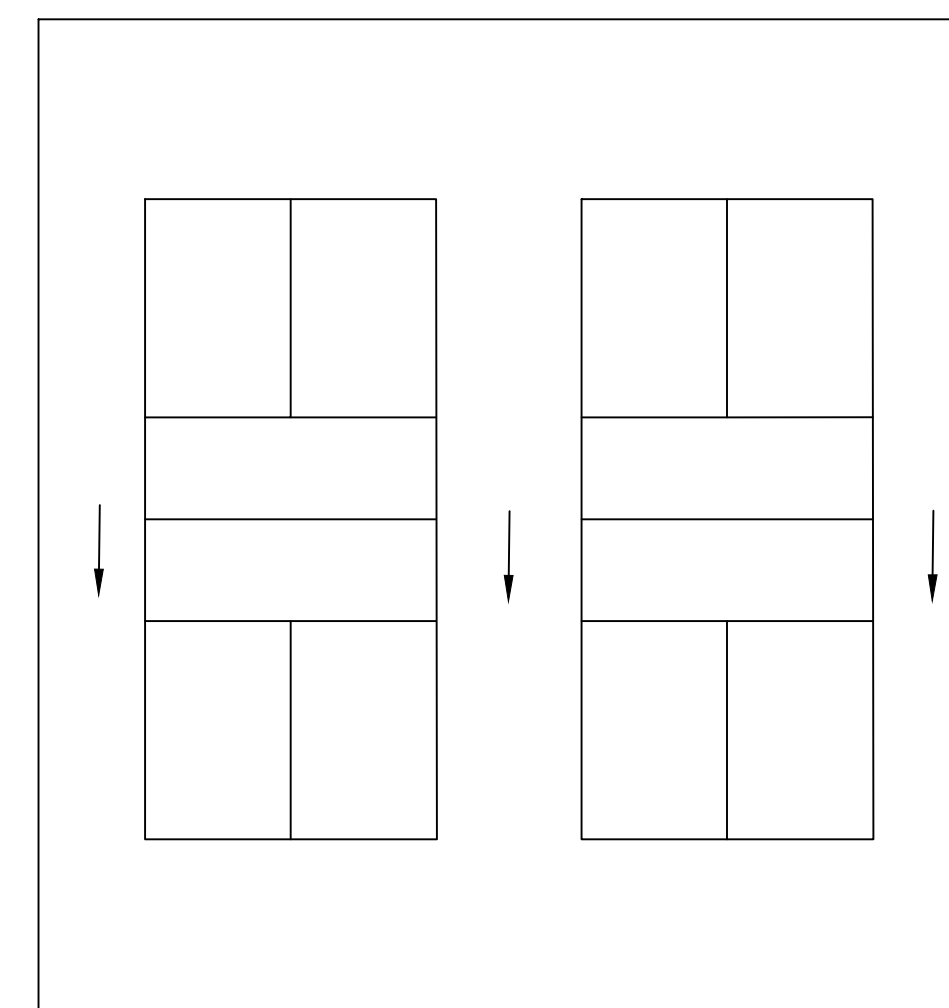
SURFACING SHALL BE A COMPLETE SYSTEM INSTALLATION, WITH ALL PREPARATION, PRODUCTS, ETC. AS REQUIRED BY THE MANUFACTURER'S SPECIFICATIONS. DEPENDING ON SELECTED MANUFACTURER, SURFACE CONDITIONS OF THE ASPHALT MAY DIFFER. INCLUDE MODIFICATIONS TO ASPHALT SYSTEM AS RECOMMENDED BY THE MANUFACTURER AS PART OF THE BID PRICE. SUBMIT PRODUCT INFORMATION FOR REVIEW AND COLOR SAMPLES FOR APPROVAL PRIOR TO ANY ORDERING, INSTALLATION, ETC.



COURT SURFACE SYSTEMS I - ASPHALT
NOT TO SCALE



TYPICAL COURT OVERRUNS
NOT TO SCALE



DRAINAGE IN A SINGLE PLAN

NOTES:
MAXIMUM RECOMMENDED LENGTH OF SLOPE ACROSS COURT SURFACES IS 180'. LONGER LENGTHS CAN LEAD TO EROSION OF THE SURFACE OR SURROUNDING AREAS.

TYPICAL DRAINAGE PATTERN FOR MULTIPLE TENNIS COURTS
(NOT TO SCALE)

TENNIS EQUIPMENT SPECIFICATION:
DOUGLAS INDUSTRIES, INC. WWW.DOUGLAS-SPORTS.COM
FOR EACH COURT PROVIDE:

NET: TN-28DM TOURNAMENT TENNIS NET (ITEM NO. 30060)
SIDEWINDER CRANK, 3.5", GREEN (63005);
GS-24 STEEL GROUND SLEEVE FOR 3.5" O.D. POST;
DELUXE ACS ADJUSTABLE CENTER STRAP (20600),
CENTER TIE-DOWN ANCHOR (63428)

ALL EQUIPMENT: PROVIDE MANUFACTURER'S CUTSHEETS FOR COLOR REVIEW AND APPROVAL. INSTALL ALL COMPONENTS PER MANUFACTURER'S RECOMMENDATIONS. MANUFACTURERS SHALL BE THOSE LISTED, OR CITY APPROVED EQUAL.

8 TENNIS EQUIPMENT

5 COURT SURFACE SYSTEMS

6 TYPICAL COURT OVERRUNS

7 DRAINAGE PATTERN

NO.	DATE	REVISION
	05/18/2026	Issued for Bidding

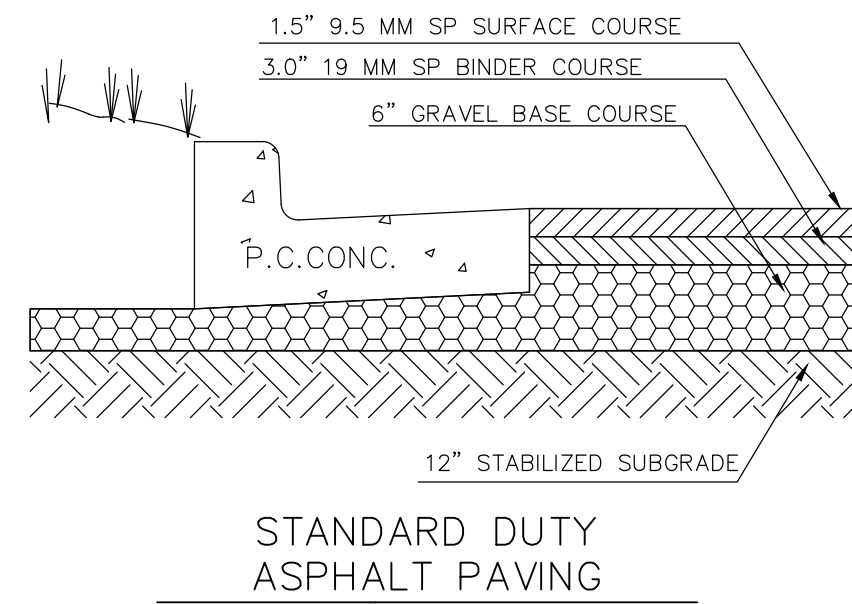
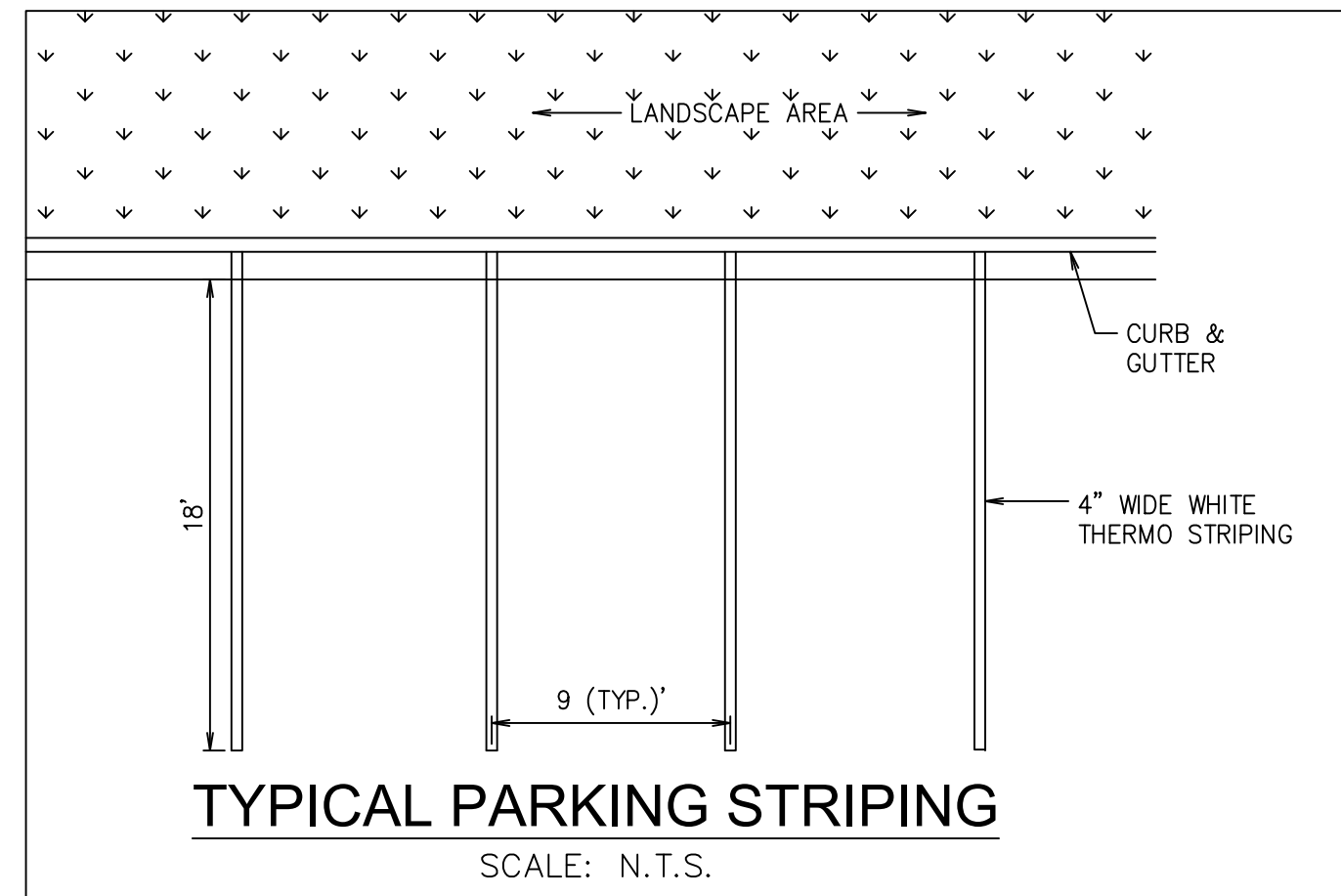
Rosenfeld Park Improvements
2088 Glacier Drive
Tucker, Georgia
CONSTRUCTION DETAILS

THIS BAR IS 1 INCH LONG PLOTTED FULL SCALE

Project Manager:
Adam Shelton, P.E.
Drawn By: KR
Checked By: BF
Date: 05/18/2026
Scale: As Shown

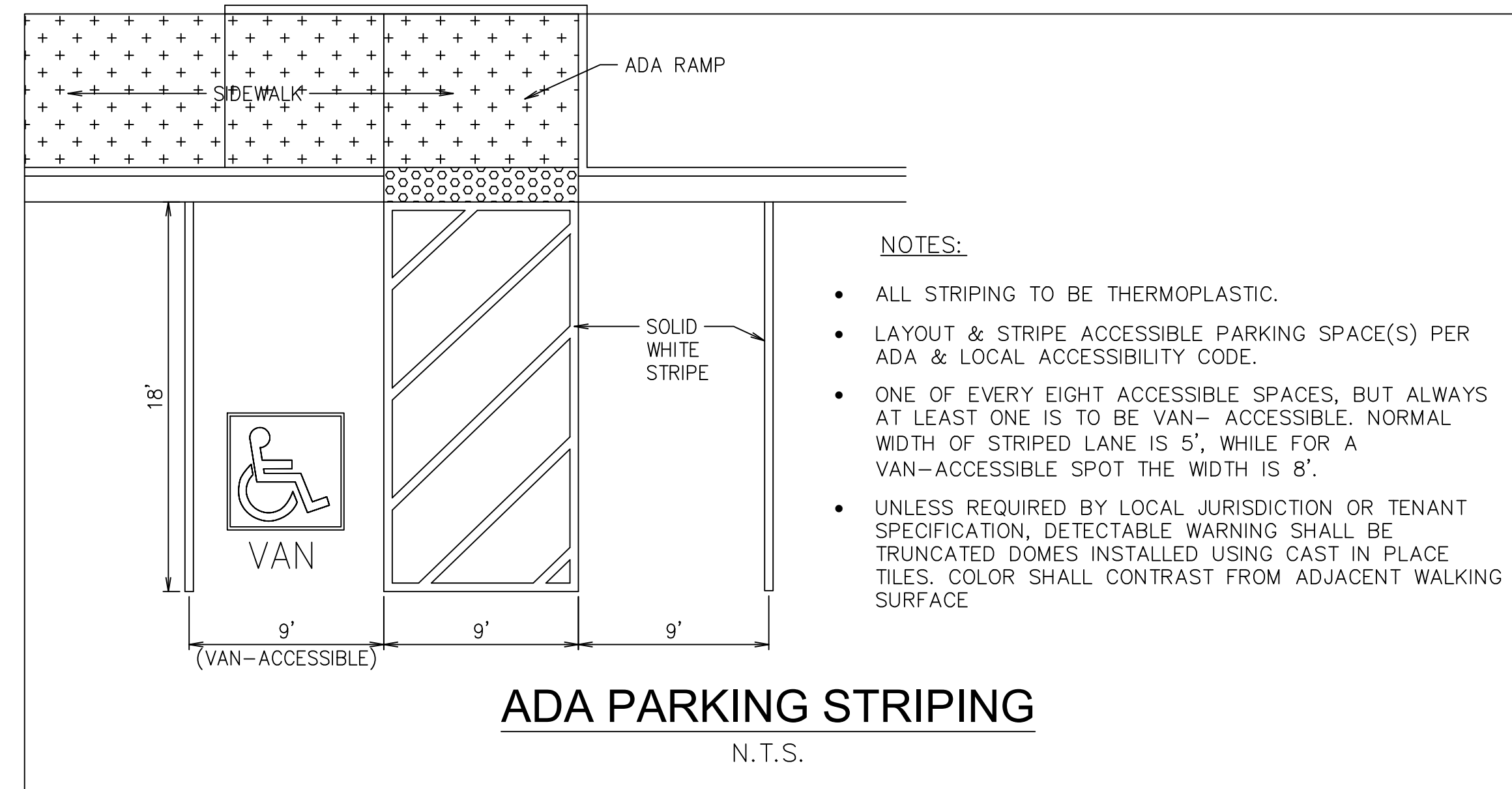
Project No.: 220238
Drawing No.: D-1.0

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GENERAL NOTES

- FOR PREPARATION OF PAVEMENT SUBGRADE, FILL PLACED WITHIN 24 INCHES OF FINISHED SUBGRADE ELEVATION IN FILL AREAS AND AT LEAST THE UPPER 12 INCHES OF SUBGRADE IN CUT AREAS TO BE PAVED SHALL BE COMPACTED TO AT LEAST 98% OF THE MATERIAL'S MAXIMUM STANDARD PROCTOR DRY DENSITY (ASTM D-698). FILL PLACED BELOW 24 INCHES SHALL BE COMPACTED TO AT LEAST 95% OF THE MATERIAL'S MAXIMUM STANDARD PROCTOR DENSITY.
- AFTER PROOFROLLING WITH A LOADED TANDEM AXLE DUMP TRUCK AND REPAIRING DEEP SUBGRADE DEFICIENCIES, THE ENTIRE SUBGRADE SHALL BE SCARIFIED TO A DEPTH OF 12 INCHES AND UNIFORMLY COMPACTED TO AT LEAST 98% OF STANDARD PROCTOR.
- GRAVEL BASE COURSE AGGREGATES SHALL CONFORM TO THE REQUIREMENTS OF SECTION 815 (PAGE 969) OF THE STATE OF GEORGIA "STANDARD SPECIFICATIONS FOR CONSTRUCTION OF ROADS AND BRIDGES", 2021 EDITION. COMPACTION OF GRAVEL BASE COURSE SHALL CONFORM TO REQUIREMENTS OF SECTION 310 (PAGE 226).
- ASPHALTIC WEARING AND BINDER COURSE MIXTURES SHALL BE IN ACCORDANCE WITH STATE OF GEORGIA "GUIDELINES FOR SUPERPAVE AND OTHER MIX TYPE SOLUTIONS" DATED JANUARY 30, 2002 AND STATE OF GEORGIA STANDARD SPECIFICATIONS CONSTRUCTION OF TRANSPORTATION SYSTEM, 2021 EDITION.
- THE PORTLAND CEMENT CONCRETE PAVEMENT MIXTURE SHALL BE IN ACCORDANCE WITH AIR-ENTRAINED CONCRETE FOR PAVEMENT SECTION 430 (PAGE 294) OF THE STATE OF GEORGIA "STANDARD SPECIFICATIONS FOR CONSTRUCTION OF ROADS AND BRIDGES", 2021 EDITION. THE MIXTURE SHALL BE DESIGNED TO DEVELOP A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS WITH A 4 INCH MAXIMUM SLUMP AND 5 TO 7% ENTRAINED AIR. CONTRACTOR SHALL PROVIDE A PRIME COAT AND TACK COAT TO CURB WHERE CURB CONTACTS ASPHALT.



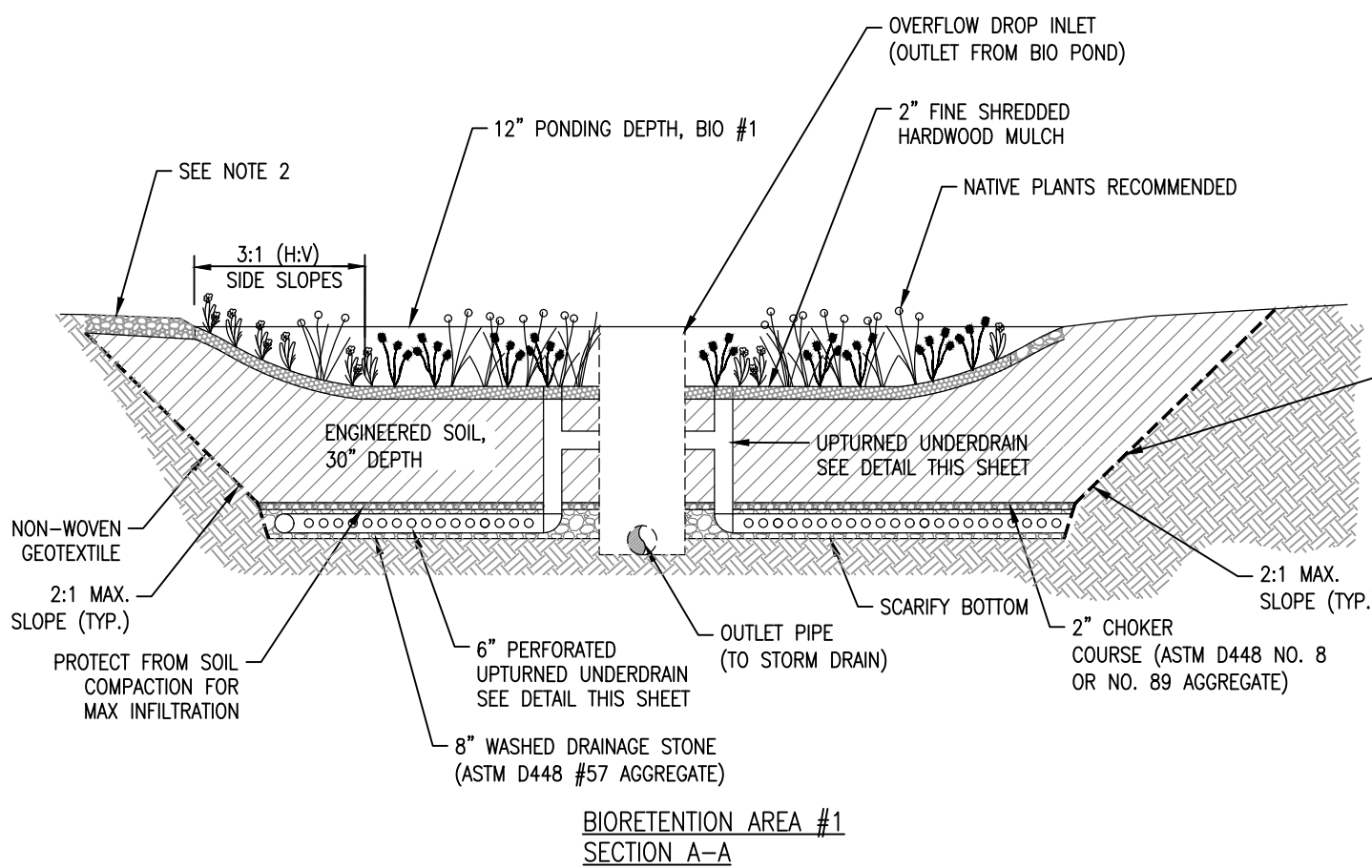
NOTES:

- ALL STRIPING TO BE THERMOPLASTIC.
- LAYOUT & STRIPE ACCESSIBLE PARKING SPACE(S) PER ADA & LOCAL ACCESSIBILITY CODE.
- ONE OF EVERY EIGHT ACCESSIBLE SPACES, BUT ALWAYS AT LEAST ONE IS TO BE VAN- ACCESSIBLE. NORMAL WIDTH OF STRIPED LANE IS 5', WHILE FOR A VAN-ACCESSIBLE SPOT THE WIDTH IS 8'.
- UNLESS REQUIRED BY LOCAL JURISDICTION OR TENANT SPECIFICATION, DETECTABLE WARNING SHALL BE TRUNCATED DOMES INSTALLED USING CAST IN PLACE TILES. COLOR SHALL CONTRAST FROM ADJACENT WALKING SURFACE

13 PARKING STRIPING DETAIL

14 PAVEMENT SECTION DETAIL

15 ADA PARKING STRIPING DETAIL



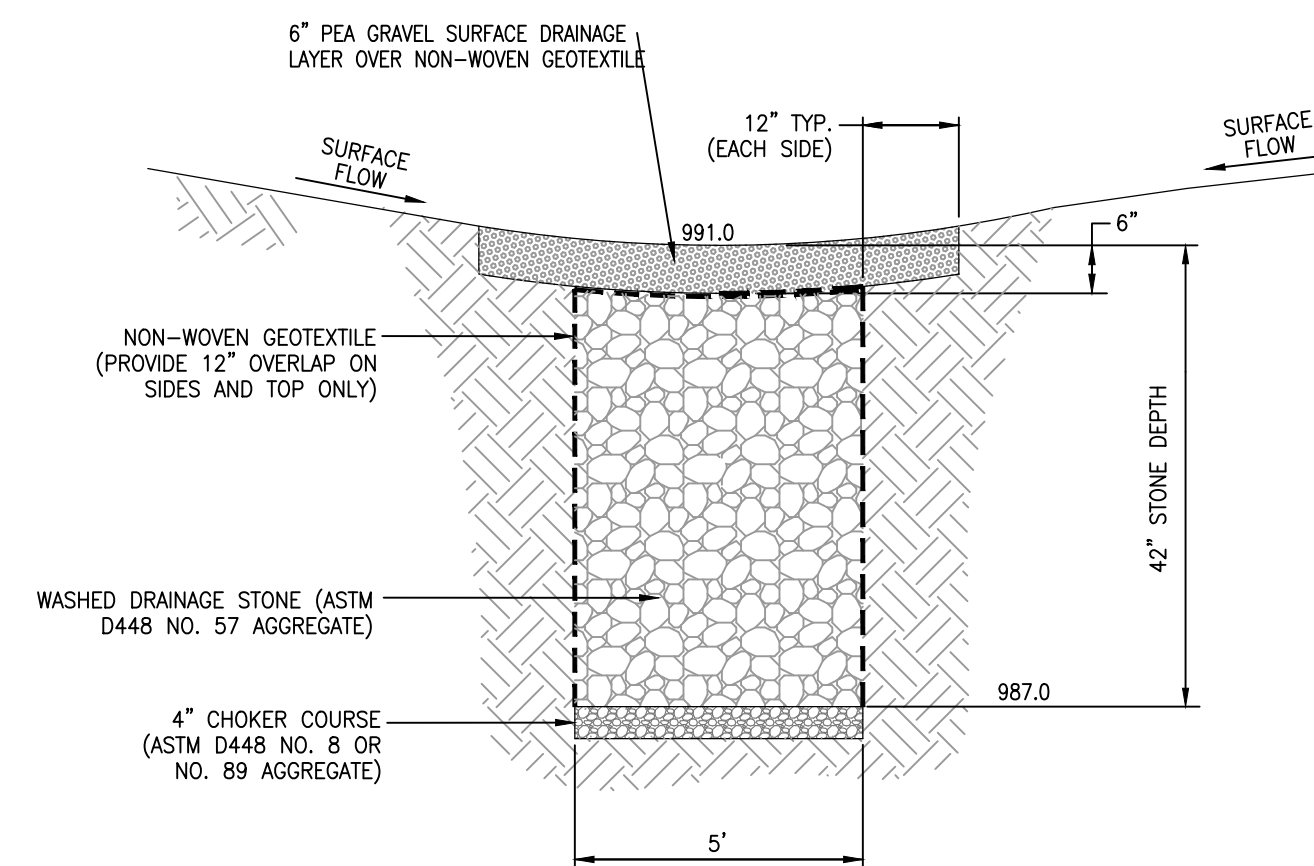
NOTES:

- BIORETENTION AREA SIZE AND LAYOUT SHALL BE AS INDICATED ON THE PLANS.
- APPROPRIATE NATIVE PLANTS AND PLANTING SCHEDULE SHALL BE PROVIDED.
 - WOODY VEGETATION SHALL NOT BE PLANTED WITHIN TWO FEET OF INFLOW OR OUTFLOW STRUCTURES.
- APPROPRIATE MULCH LAYER SHALL BE PROVIDED (2" MIN. OF FINE SHREDDED HARDWOOD) AND SHALL BE INSTALLED ONCE FINAL STABILIZATION HAS BEEN COMPLETED FOR CONTRIBUTING DRAINAGE AREA.
- ENGINEERED SOIL MIX SHALL BE MINIMUM OF 30" DEEP. REFER TO SPECIFICATIONS FOR REQUIREMENTS OF ENGINEERED SOIL MIX. GREATER DEPTH OF ENGINEERED SOIL MAY BE NEEDED DEPENDING ON PLANT TYPE AND SPECIFICATIONS. ENGINEERED SOILS SHALL BE INSTALLED ONCE FINAL STABILIZATION HAS BEEN COMPLETED FOR CONTRIBUTING DRAINAGE AREA.
 - CONTRACTOR TO PROVIDE AN ENGINEERED SOIL MIX THAT FOLLOWS THE SPECIFICATIONS STATED IN THE GEORGIA STORMWATER MANAGEMENT MANUAL (GSM).
 - TEXTURE: SANDY LOAM OR LOAMY SAND SHOULD BE USED.
 - SAND CONTENT: SOILS SHOULD CONTAIN 85%-88% CLEAN, WASHED SAND.
 - TOPSOIL CONTENT: SOILS SHOULD CONTAIN 8%-12% TOPSOIL.
 - ORGANIC MATTER CONTENT: SOILS SHOULD CONTAIN MAX 3% ORGANIC MATTER.
 - INFILTRATION RATE: SOILS SHOULD HAVE AN INFILTRATION RATE OF AT LEAST 0.25 INCHES PER HOUR (IN./HR.), ALTHOUGH AN INFILTRATION RATE OF BETWEEN 1 AND 2 IN./HR. IS PREFERRED.
 - pH: SOILS SHOULD HAVE A pH OF 6-8
 - CONTRACTOR IS REQUIRED TO SUBMIT ENGINEERED SOIL MIX TO BE USED FOR REVIEW BY ENGINEER. CONTRACTOR TO KEEP DELIVERY TICKET OF ENGINEERED SOIL FOR REVIEW BY ENGINEER.
- GRAVEL AND PERFORATED PIPE UNDERDRAIN SYSTEM
 - DRAINAGE STONE: 8" LAYER ASTM D448 SIZE NO. 57 WASHED STONE AND SHOULD BE SEPARATED BY A THIN 2" TO 4" LAYER OF CHOKER STONE (ASTM D448 SIZE NO. 8, 3/8" TO 1/8" OR ASTM D 448 SIZE NO. 89, 3/8" TO 1/16").
 - PERFORATED PIPE: 6" PERFORATED HDPE (AASHTO M 252), 3/8" PERFORATION SPACED 6 FEET ON CENTER. NO SOCK PIPES SHALL BE PERMITTED.
 - NON-WOVEN SEPARATION GEOTEXTILE MAY BE UTILIZED ON THE SIDE SURFACE INTERFACES ONLY.
- INSTALLATION SHALL OCCUR AFTER THE CONTRIBUTING DRAINAGE AREAS TO THE BIORETENTION AREA HAVE BEEN STABILIZED. IF THIS IS NOT FEASIBLE, STORMWATER FLOW SHALL BE DIVERTED AROUND THE BIORETENTION AREA. PROTECT AREA WITH TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES. IF SEDIMENT ACCUMULATES IT MUST BE REMOVED.
- INSTALLATION OF ENGINEERED SOIL MIX MUST BE COMPLETED IN A MANNER THAT WILL ENSURE PRESERVATION OF THE INFILTRATIVE CAPACITY OF THE UNDERLYING SOILS. THE MOISTURE CONTENT OF THE SOIL SHALL BE LOW ENOUGH TO PREVENT CLUMPING AND COMPACTION DURING PLACEMENT.
- TO PREVENT COMPACTION WITHIN THE LIMITS OF THE BASINS, ONLY HAND LABORERS, SMALL EXCAVATION HOES WITH WIDE TRACKS, LIGHT EQUIPMENT WITH TURF TIES, MARSH EQUIPMENT OR WIDE-TRACK LOADERS MAY BE USED. NO HEAVY EQUIPMENT SHALL BE USED WITHIN 10 FEET OF THE PERIMETER OF THE BIORETENTION FACILITY BEFORE, DURING, OR AFTER THE PLACEMENT OF THE BIORETENTION SOIL MIX.
- SOIL SURFACES SHALL BE SCARIFIED TO AERATE AND REDUCE SOIL COMPACTION. SOIL SHALL BE PLACED IN 6" LOOSE DEPTH LIFTS AND LIGHTLY HAND-TAMPED OR COMPACTED WITH A WATER-FILLED LANDSCAPE ROLLER, TO REDUCE POTENTIAL FOR EXCESSIVE SETTLING. NO OTHER MECHANICAL EQUIPMENT SHALL BE USED TO COMPACT THE ENGINEERED SOIL MIX OR UNDERLYING SOILS.
- LOOSEN SUBGRADE SOILS THAT HAVE BEEN COMPACTED OR SMEARED BY RAKING, DISKING OR TILLING TO A MINIMUM DEPTH OF 6". SUBSOILS SHALL BE SCARIFIED (NOT COMPACTED) PRIOR TO PLACEMENT OF CLEAN, WASHED DRAINAGE STONE.
- UNIFORMLY GRADE BIORETENTION SOIL MIX TO ACHIEVE A SMOOTH SURFACE. DO NOT OVER-WORK OR EXCESSIVELY COMPACT BIORETENTION SOIL MIX. GRADE TO CROSS SECTIONS, THICKNESS AND ELEVATIONS INDICATED ON PLANS. SETTLING OF SOIL BY WALKING ON SURFACE, WORKING WITH HAND OR LOW GROUND PRESSURE EQUIPMENT IS ACCEPTABLE.
- DURING EXCAVATION, HEAVY MACHINERY SHALL NOT DRIVE OVER EXPOSED UNDERLYING SOILS.
- EXCAVATE IN DRY CONDITIONS AS MUCH AS PRACTICABLE.
- EXCAVATE FINAL 9" TO 12" WITH TEETH OF BUCKET (DO NOT SMEAR).

NOTES:

- REFER TO "BIORETENTION NOTES" FOR BIORETENTION CONSTRUCTION REQUIREMENTS.
- DETAILS OF PIPE CONNECTIONS TO PROPOSED/EXISTING STORM SYSTEM SHALL BE AS DESIGNED BY THE PROJECT DESIGNER.
- WHEN THERE IS NOT A CURB PRESENT, INCLUDE GRASS FILTER STRIP PRIOR TO BIORETENTION AREA FOR SHEET FLOW.

16 BIORETENTION DETAIL



NOTES:

- PROVIDE 6" DIAMETER PERFORATED PVC OBSERVATION WELL TO BOTTOM OF TRENCH AT LOCATIONS AS DETERMINED BY DESIGNER. IT SHOULD BE INSTALLED ALONG THE CENTERLINE OF THE INFILTRATION PRACTICE. FLUSH WITH THE ELEVATION OF THE SURFACE OF THE INFILTRATION PRACTICE. A VISIBLE FLOATING MARKER SHOULD BE PROVIDED WITHIN THE OBSERVATION WELL AND THE TOP OF THE WELL SHOULD BE CAPPED AND LOCKED.
- DURING EXCAVATION, HEAVY MACHINERY SHALL NOT DRIVE OVER EXPOSED UNDERLYING SOILS.
- EXCAVATE IN DRY CONDITIONS AS MUCH AS PRACTICABLE.
- USE TRACKED OR LOW GROUND PRESSURE VEHICLES.
- EXCAVATE FINAL 9" TO 12" WITH TEETH OF BUCKET (DO NOT SMEAR).
- SUBSOILS SHALL BE SCARIFIED (NOT COMPACTED) PRIOR TO PLACEMENT OF CLEAN, WASHED DRAINAGE STONE.
- ENSURE THAT LENGTH OF INFILTRATION TRENCH EXCEEDS DEPTH.

17 INFILTRATION TRENCH DETAIL

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NO.	DATE	REVISION
	05/18/2026	Issued for Bidding

THIS BAR IS 1 INCH LONG PLOTTED FULL SCALE

Project Manager:
Adam Shelton, P.E.
Drawn By: KR
Checked By: BF
Date: 05/18/2026
Scale: As Shown

Project No.:
220238
Drawing No.:
D-3.0

CONCRETE SPILLWAY DETAIL

NO.	DESCRIPTION	MIN.	MAX.
1	MIN. CURB HEIGHT	4"	6"
2	MIN. CURB WIDTH	12"	18"
3	MIN. CURB LENGTH	10'	15'
4	MIN. CURB THICKNESS	4"	6"
5	MIN. CURB RADIUS	10'	15'
6	MIN. CURB SLOPE	1:10	1:20
7	MIN. CURB FINISH	AS SHOWN	AS SHOWN
8	MIN. CURB MATERIAL	CONCRETE	CONCRETE
9	MIN. CURB JOINTS	10'	15'
10	MIN. CURB CONNECTIONS	AS SHOWN	AS SHOWN

DEPARTMENT OF TRANSPORTATION
 STATE OF GEORGIA
STANDARD
CONCRETE SPILLWAYS
 (TYPICAL USE ALONG ROADWAY AT END OF CURB)
 REV. FEBRUARY 1998
 NUMBER **9013**

18

SIDEWALK WHEELCHAIR RAMP DETAIL

NO.	DESCRIPTION	MIN.	MAX.
1	MIN. CURB HEIGHT	4"	6"
2	MIN. CURB WIDTH	12"	18"
3	MIN. CURB LENGTH	10'	15'
4	MIN. CURB THICKNESS	4"	6"
5	MIN. CURB RADIUS	10'	15'
6	MIN. CURB SLOPE	1:10	1:20
7	MIN. CURB FINISH	AS SHOWN	AS SHOWN
8	MIN. CURB MATERIAL	CONCRETE	CONCRETE
9	MIN. CURB JOINTS	10'	15'
10	MIN. CURB CONNECTIONS	AS SHOWN	AS SHOWN

DEPARTMENT OF TRANSPORTATION
 STATE OF GEORGIA
SPECIAL DETAIL
CONCRETE SIDEWALK DETAILS
CURB CUT (WHEELCHAIR RAMP)
 MARCH 01, 2002
 NUMBER **A3**

19

CURB & GUTTER DETAIL

PIPE SIZE	TYPE 'A'	TYPE 'B'	TYPE 'C'	TYPE 'E'
18"	18" x 18"	18" x 18"	18" x 18"	18" x 18"
24"	24" x 24"	24" x 24"	24" x 24"	24" x 24"
30"	30" x 30"	30" x 30"	30" x 30"	30" x 30"
36"	36" x 36"	36" x 36"	36" x 36"	36" x 36"
42"	42" x 42"	42" x 42"	42" x 42"	42" x 42"
48"	48" x 48"	48" x 48"	48" x 48"	48" x 48"
54"	54" x 54"	54" x 54"	54" x 54"	54" x 54"
60"	60" x 60"	60" x 60"	60" x 60"	60" x 60"

DEPARTMENT OF TRANSPORTATION
 STATE OF GEORGIA
STANDARD
CONCRETE CURB & GUTTER
CONCRETE CURBS, CONCRETE MEDIANS
 NOT TO SCALE
 MAR. 2003
 NUMBER **9032B**

20

PEDESTAL TOP INLET DETAIL

PIPE SIZE	TYPE 'A'	TYPE 'B'	TYPE 'C'	TYPE 'E'
18"	18" x 18"	18" x 18"	18" x 18"	18" x 18"
24"	24" x 24"	24" x 24"	24" x 24"	24" x 24"
30"	30" x 30"	30" x 30"	30" x 30"	30" x 30"
36"	36" x 36"	36" x 36"	36" x 36"	36" x 36"
42"	42" x 42"	42" x 42"	42" x 42"	42" x 42"
48"	48" x 48"	48" x 48"	48" x 48"	48" x 48"
54"	54" x 54"	54" x 54"	54" x 54"	54" x 54"
60"	60" x 60"	60" x 60"	60" x 60"	60" x 60"

DEPARTMENT OF TRANSPORTATION
 STATE OF GEORGIA
STANDARD
PRECAST DROP INLETS
 SCALE AS SHOWN
 AUG. 1999
 NUMBER **9032A**

21

Keck+Wood
 COLLABORATION BY DESIGN
 3090 Premiere Parkway, Suite 200
 Duluth, GA 30097
 (678) 417-4000
 keckwood.com

GEORGIA
 REGISTERED PROFESSIONAL ENGINEER
 5/18/26
 CHARLES ADAM SHELTON

NO.	REVISION	DATE	ISSUED FOR BIDDING
05/18/2026	Issued for Bidding		

Rosenfeld Park Improvements
 2088 Glacier Drive
 Tucker, Georgia

CONSTRUCTION DETAILS

THIS BAR IS
 1 INCH LONG
 PLOTTED FULL SCALE

Project Manager:
 Adam Shelton, P.E.

Drawn By: KR
 Checked By: BF

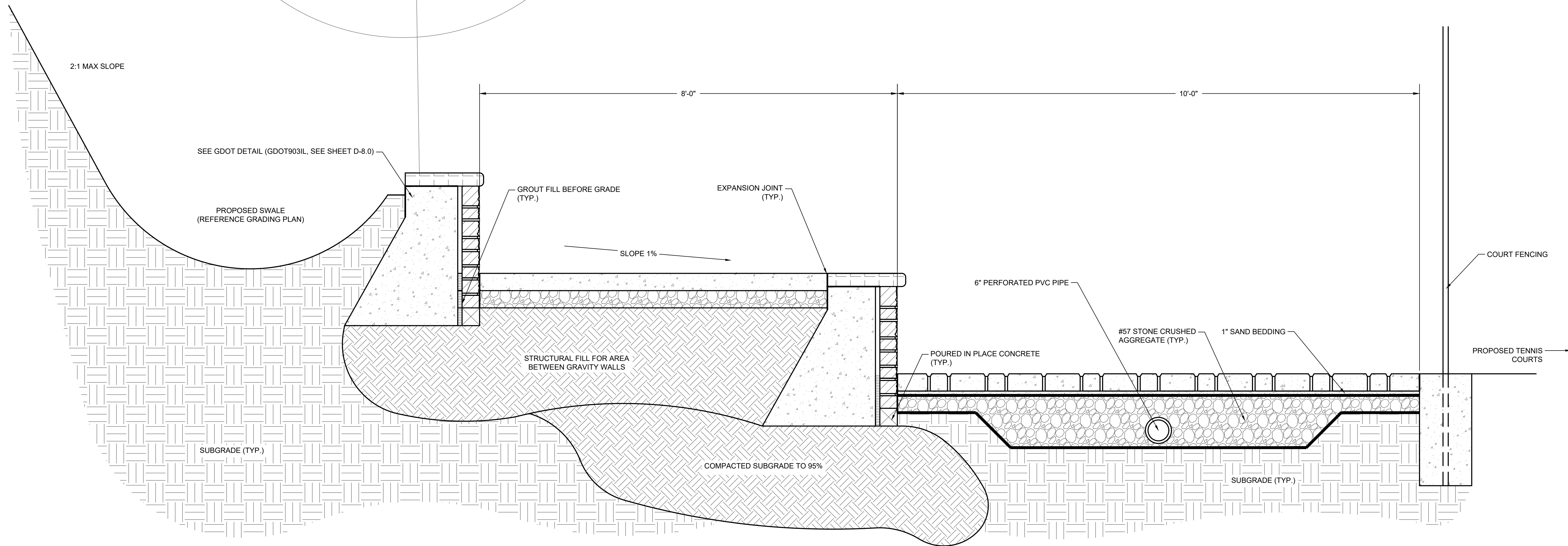
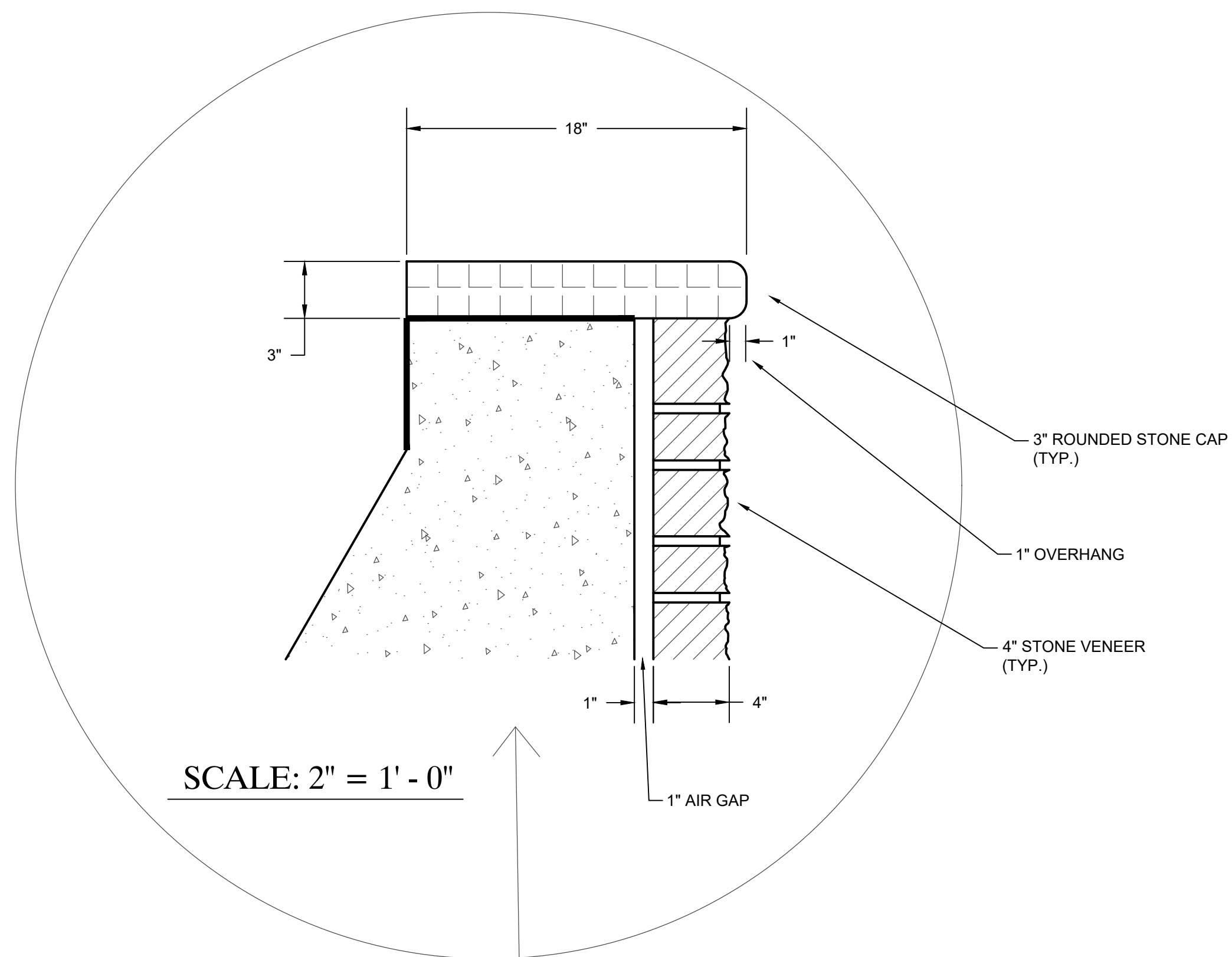
Date: 05/18/2026
 Scale: As Shown

Project No.:
 220238
 Drawing No.:
 D-4.0

22

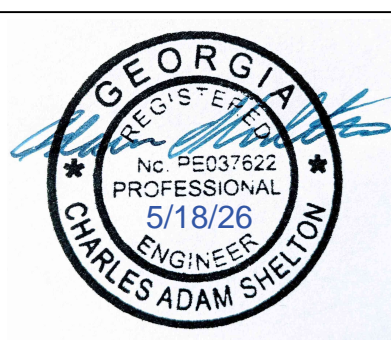
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TERRACED SEATING - SECTION CUT (A - A')

SCALE: 1" = 1' - 0"



NO.	DATE	REVISION
	05/18/2026	Issued for Bidding

Rosefeld Park Improvements
2088 Glacier Drive
Tucker, Georgia

CONSTRUCTION DETAILS

THIS BAR IS
1 INCH LONG
PLOTTED FULL SCALE

Project Manager:
Adam Shelton, P.E.

Drawn By: KR Checked By: BF

Date: 05/18/2026

Scale: As Shown

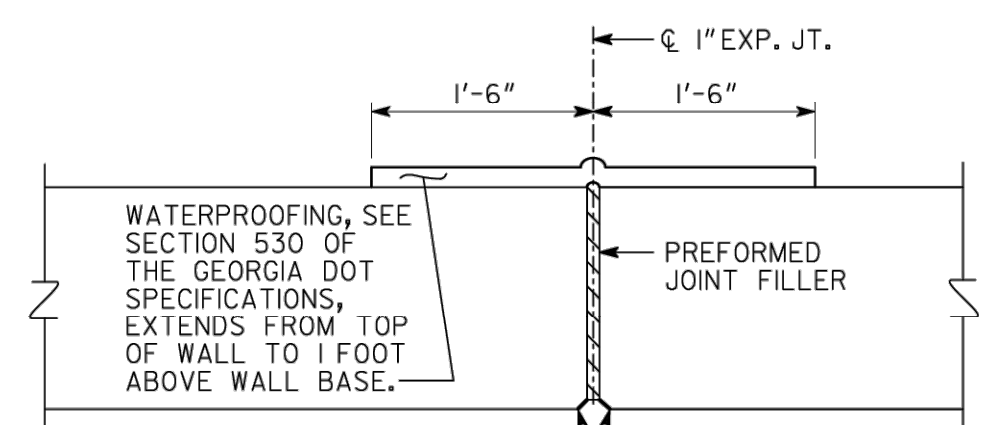
Project No.:
220238

Drawing No.:
D-7.0

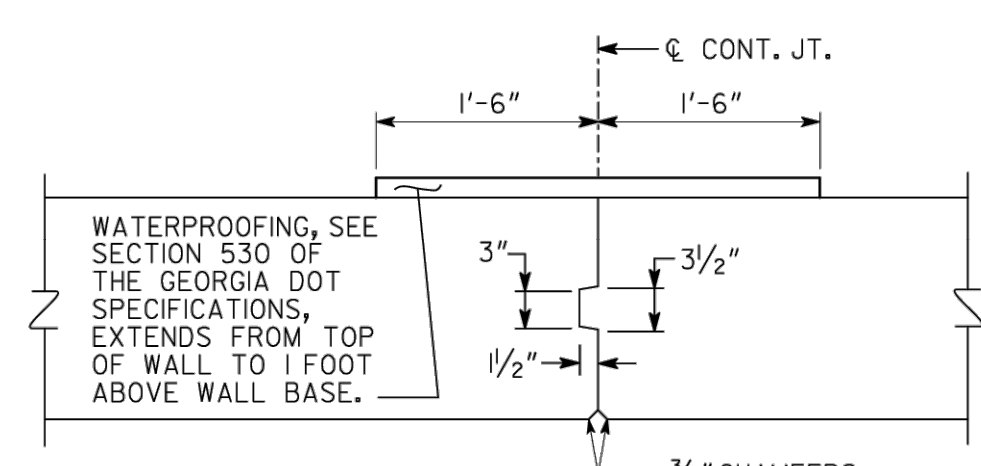
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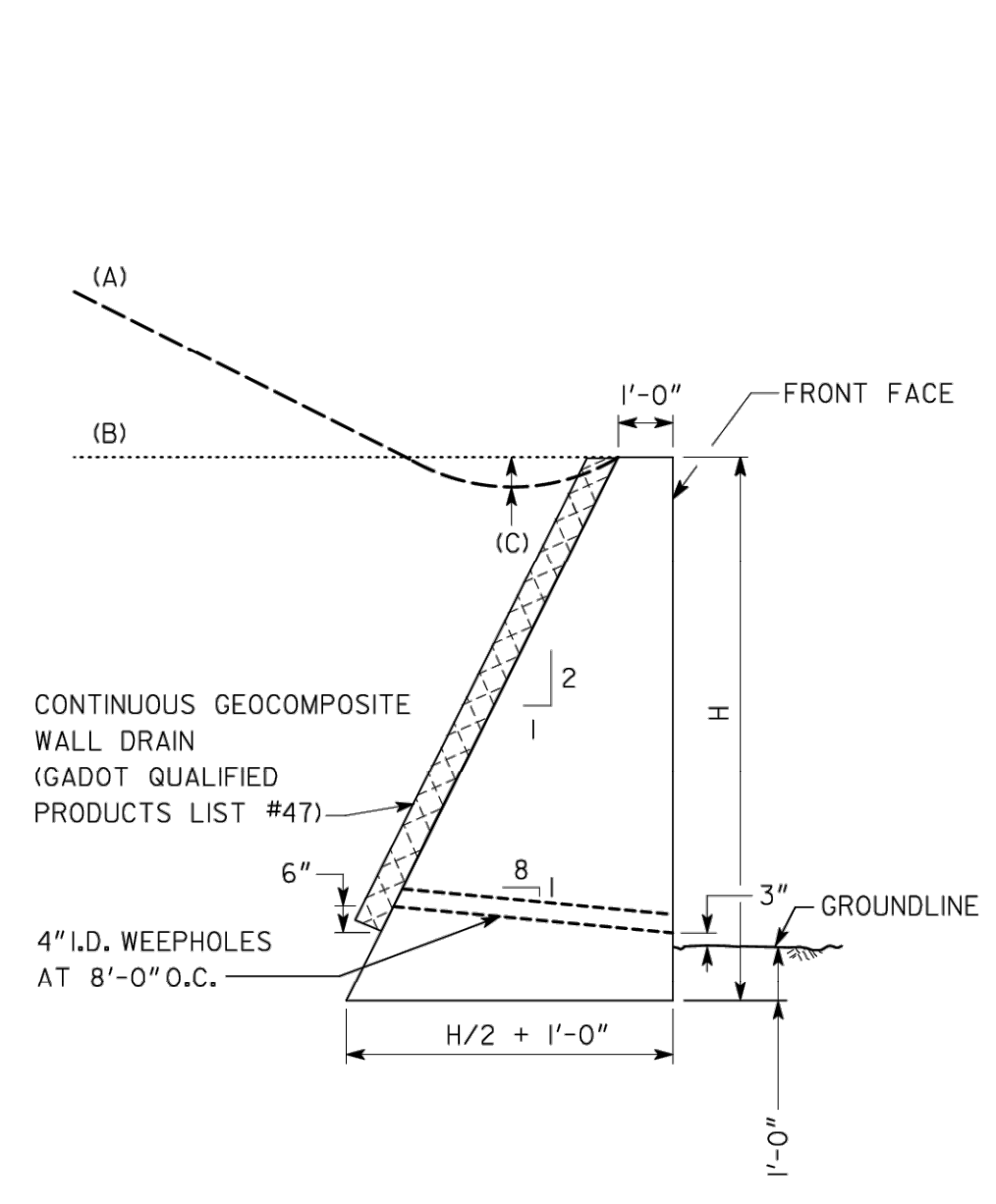
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			



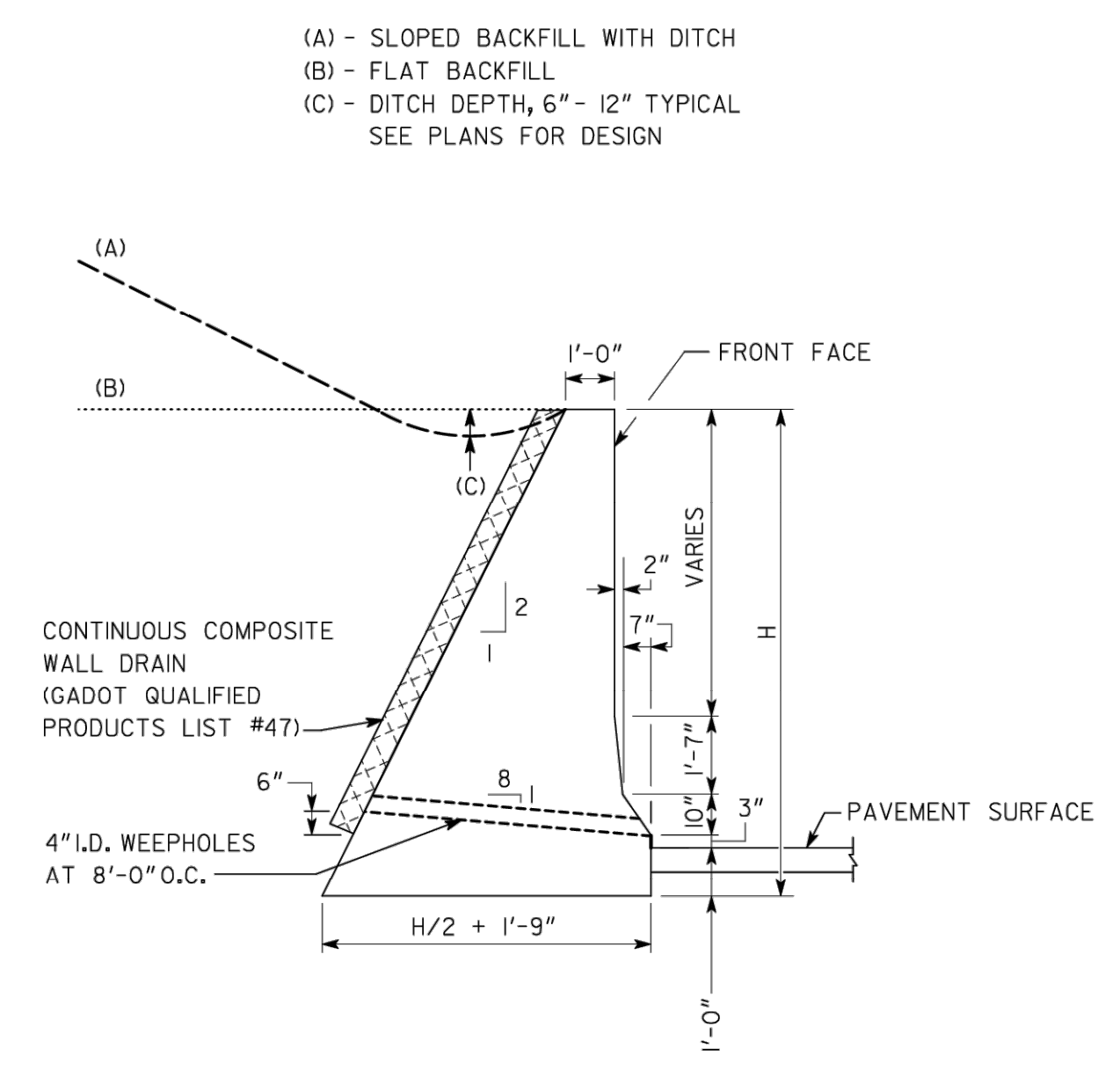
DETAIL OF EXPANSION JOINT
SEE GENERAL NOTE #3



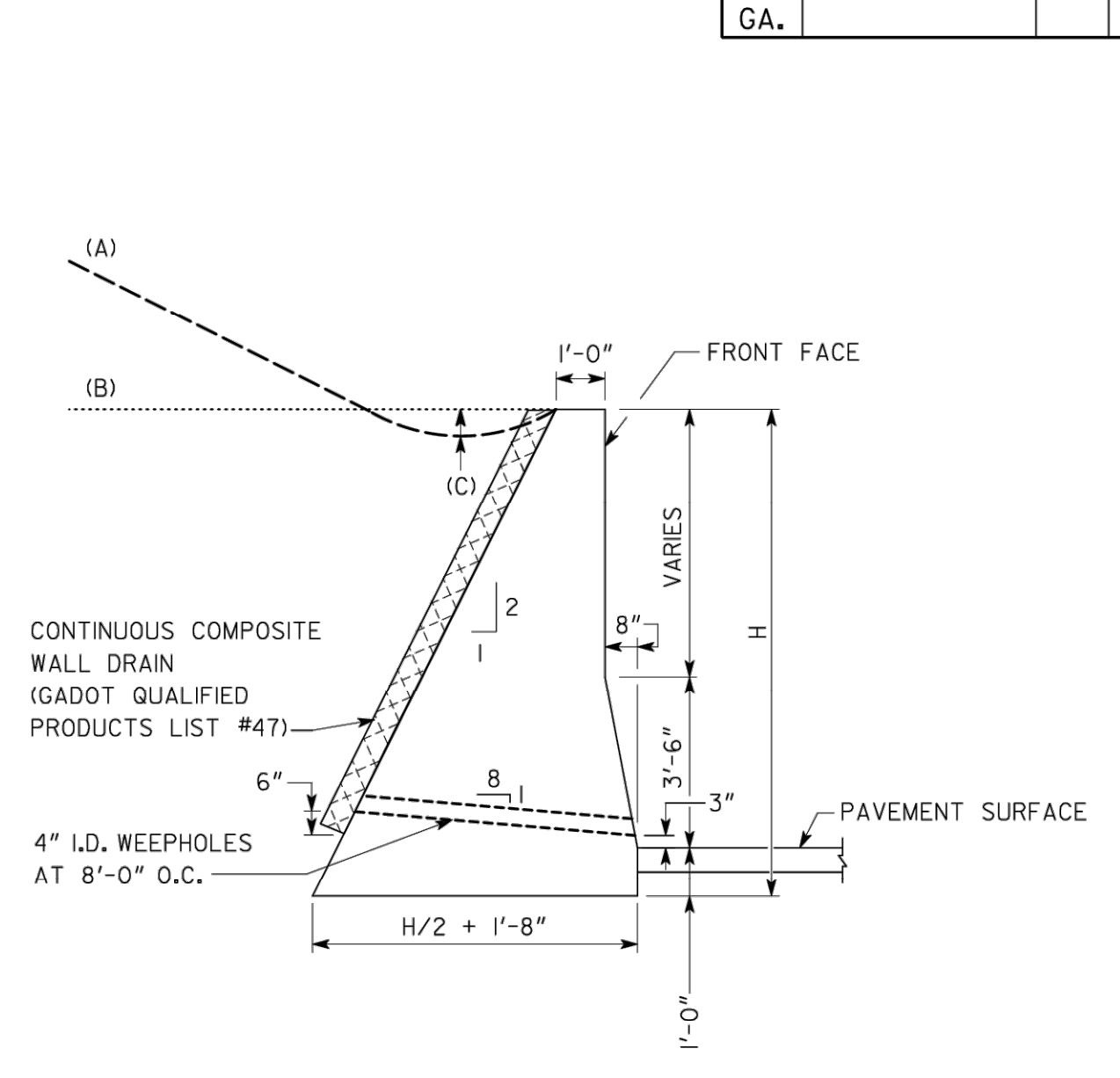
DETAIL OF CONTRACTION JOINT
SEE GENERAL NOTE #3



TYPICAL SECTION A



TYPICAL SECTION B
(NEW JERSEY BARRIER FACE)



TYPICAL SECTION C
(SINGLE SLOPE BARRIER FACE)

BACKSLOPE	MAXIMUM "H"*		
	TYP. SECTION A	TYP. SECTION B **	TYP. SECTION C **
FLAT	8'-6"	10'-0"	10'-0"
SLOPE TO 4:1	6'-3"	7'-0"	7'-0"
SLOPE TO 2:1	4'-6"	4'-9"	4'-9"

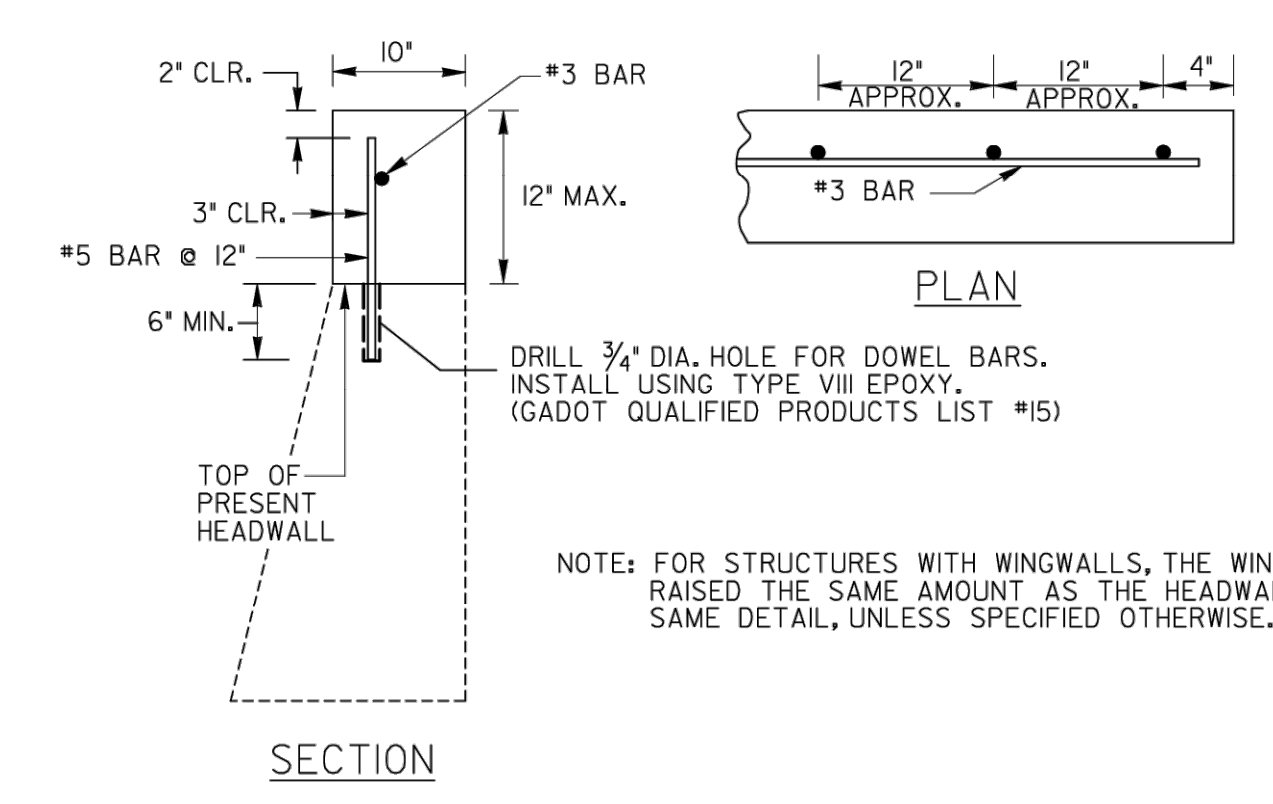
* GREATER "H" PERMITTED IF APPROVED BY BRIDGE DESIGN.
** TYPICAL SECTION B SHALL HAVE A MINIMUM H OF 3'-8"
TYPICAL SECTION C SHALL HAVE A MINIMUM H OF 4'-6"

GENERAL NOTES:

- GRAVITY WALLS SHALL NOT BE USED WHEN HORIZONTAL DISTANCE FROM EDGE OF TRAVEL WAY TO FRONT FACE OF WALL IS LESS THAN (H + 1'-0").
- GRAVITY WALLS DESIGNED FOR THE FOLLOWING SOIL PROPERTIES:

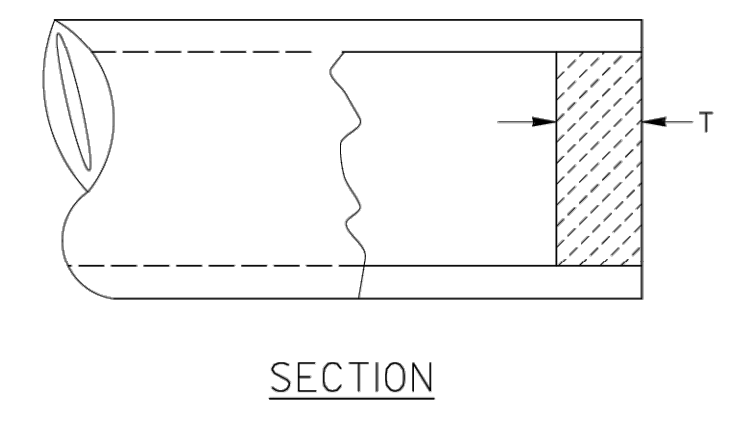
	FOUNDATION	BACKFILL
COHESION =	0 PSF	0 PSF
ϕ =	28°	28°
UNIT WEIGHT =	120 PCF	120 PCF
- EXPANSION JOINTS SHALL BE LOCATED AT A MAXIMUM SPACING OF 90'-0" AND EXTEND THROUGH THE WALL. CONTRACTION JOINTS SHALL BE LOCATED AT A MAXIMUM SPACING OF 30'-0".
- GRAVITY WALLS WITH A VERTICAL FRONT FACE SHALL BE PAID FOR AS "CLASS B CONCRETE OR MORTAR RUBBLE MASONRY, RETAINING WALL". GRAVITY WALLS WITH A BARRIER FRONT FACE SHALL BE PAID FOR AS "CLASS A CONCRETE, RETAINING WALL". WATERPROOFING, JOINT FILLER, WALL DRAIN, AND OTHER INCIDENTAL ITEMS SHALL BE INCLUDED IN OVERALL BID SUBMITTED.
- A CONCRETE DITCH DETAIL FOR THE TOP OF THE WALL SHOULD BE INCLUDED IN THE ROADWAY PLANS WHEN WATER IS FLOWING TOWARDS THE BACK OF THE WALL. SEE CONSTRUCTION DETAIL D-49.
- FINISH EXPOSED SURFACES OF THE WALL WITH A TYPE III FINISH.
- APPLY GRAFFITI PROOF COATING AS PER SECTIONS 500 AND 838 OF THE GEORGIA DOT SPECIFICATIONS.
- ALL NECESSARY FENCE AND HANDRAIL SHOULD BE INCLUDED IN THE ROADWAY PLANS WHEN APPROPRIATE.
- GRAVITY WALL TYPICAL SECTIONS A, B, AND C HAVE BEEN DESIGNED PER THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 7TH EDITION, 2014.

DETAIL FOR RAISING HEADWALL



NOTE: FOR STRUCTURES WITH WINGWALLS, THE WINGS SHALL BE RAISED THE SAME AMOUNT AS THE HEADWALL, USING THIS SAME DETAIL, UNLESS SPECIFIED OTHERWISE.

TYPICAL PIPE PLUG



D	T (MIN)	PIPE PLUG (CU. YDS.)
12"	8"	0.0194
15"	8"	0.0303
18"	8"	0.0436
24"	8"	0.0776
30"	8"	0.1212
36"	8"	0.1745
42"	8"	0.2376
48"	8"	0.3103
54"	12"	0.5890
60"	12"	0.7272
66"	12"	0.8799
72"	12"	1.0472

NOTE: PLAN PAY QUANTITIES ARE TO REFLECT PIPE PLUGS AS CU. YDS. OF CL. B CONCRETE. ON CONSTRUCTION PLUGS MAY BE BUILT WITH BRICK MASONRY, MORTAR RUBBLE MASONRY, CL. A CONC., OR CL. B CONC. WITH NO ADJUSTMENT IN PAYMENT MADE FOR ALTERNATES.

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

STANDARD
GRAVITY WALL TYPICAL SECTIONS,
RAISING HEADWALL, AND
TYPICAL PIPE PLUG

NO SCALE: REV. & REDR. SEPT, 2016

REV. & C.E.W. REDR.	(SUBMITTED)	STATE ROAD & AIRPORT DESIGN ENGR.	NUMBER 9031L
CHK. D.D.E.	(APPROVED)	STATE HIGHWAY ENGINEER	SHEET 1 OF 2

NO.	DATE	REVISION
	05/18/2026	Issued for Bidding

Rosenfeld Park Improvements
2088 Glacier Drive
Tucker, Georgia

CONSTRUCTION DETAILS

THIS BAR IS 1 INCH LONG PLOTTED FULL SCALE

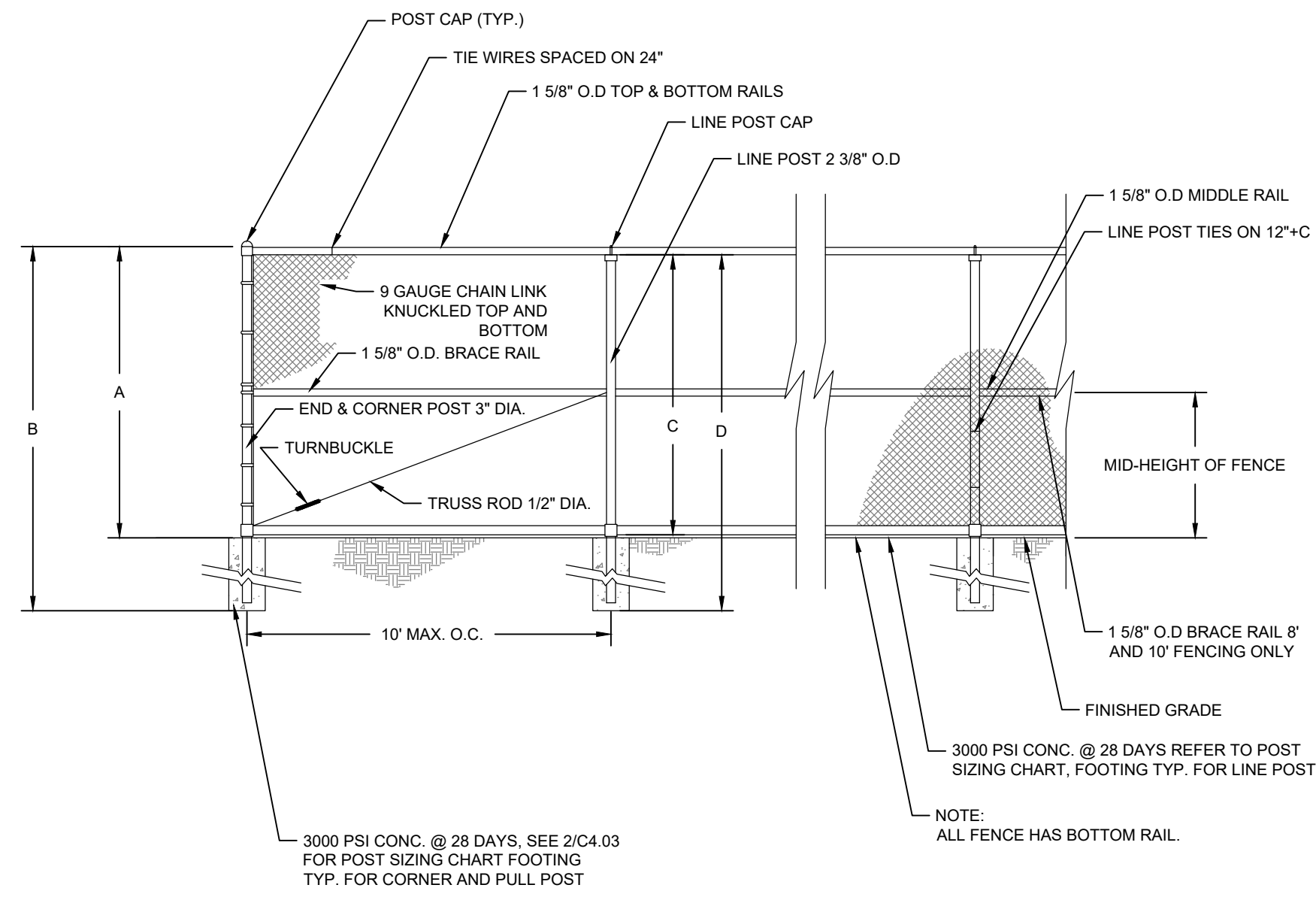
Project Manager:
Adam Shelton, P.E.

Drawn By: KR
Checked By: BF

Date: 05/18/2026
Scale: As Shown

Project No.: 220238
Drawing No.: D-8.0

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① CHAIN LINK FENCE

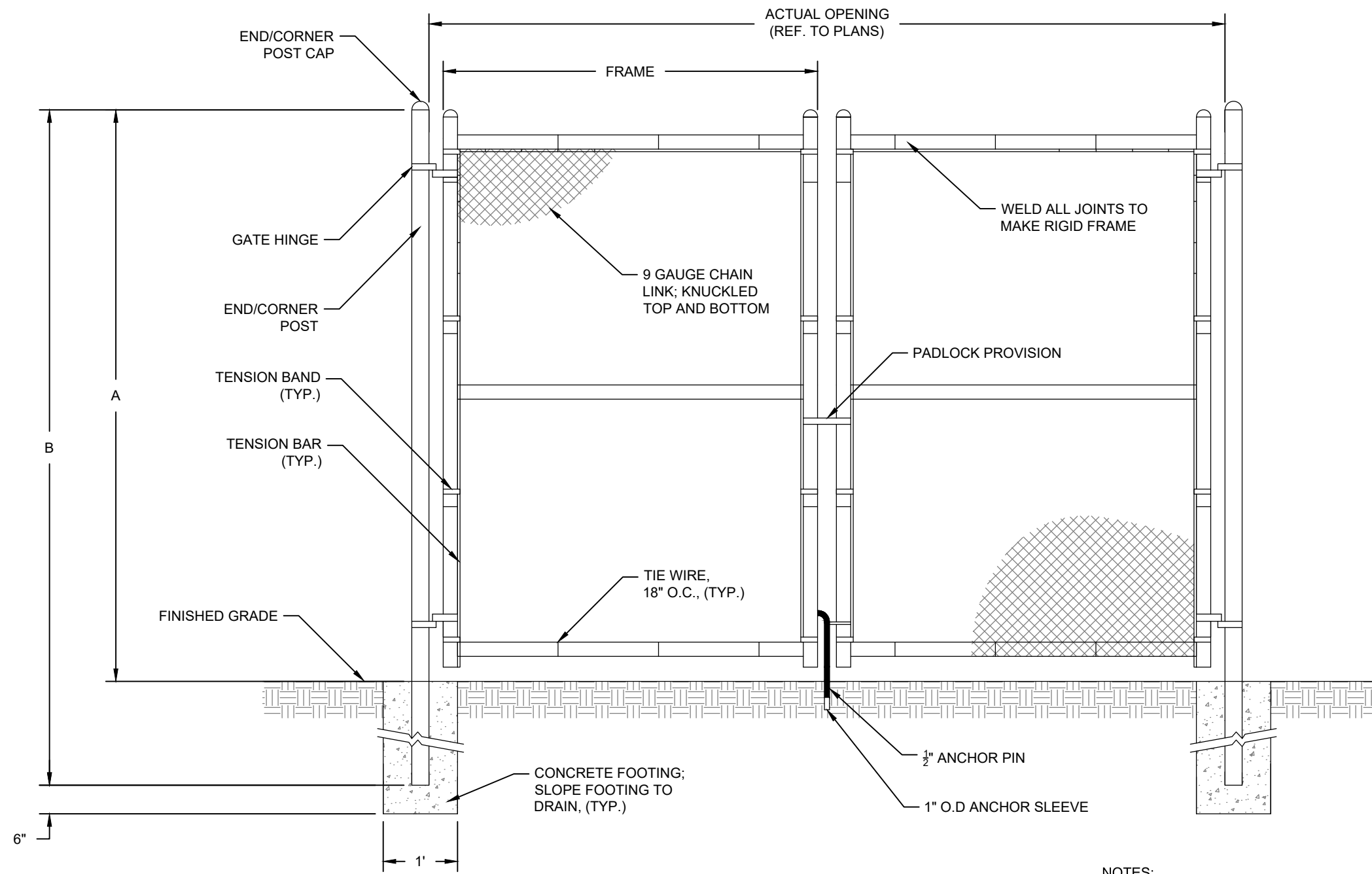
FENCE HEIGHT	CORNER & END POST		LINE POST		De	HOLE DIA
	A	B	C	D		
4'-0"	4'-3"	7'-3"	3'-11 1/2"	6'-11 1/2"	3'-0"	1'-0"
5'-0"	5'-3"	7'-8"	4'-11 1/2"	7'-6"		
6'-0"	6'-0 1/2"	9'-9 1/2"	5'-8 1/2"	9'-5 1/2"	3'-9"	1'-0"
8'-0"	8'-0 1/2"	12'-3 1/2"	7'-8 1/2"	11'-11 1/2"	4'-3"	1'-0"
10'-0"	10'-0 1/2"	13'-1"	9'-8 1/2"	12'-8"		
12'-0"	12'-0 1/2"	16'-6 1/2"	11'-8 1/2"	16'-2 1/2"	4'-6"	1'-0"

CHAINLINK FENCE NOTES:

- FOR POSTS SIZES LARGER THAN 3", PROVIDE WELDED CONNECTIONS BETWEEN VERTICAL POSTS AND HORIZONTAL RAILINGS.
- ALL RAILS SHALL BE 1-5/8" X 1/2" ROLL FORMED STEEL OR EQUAL C TYPE RAIL POST.
- ALL POSTS SHALL BE KNUCKLED TOP AND BOTTOM.
- SEE FENCING CHARTS FOR CORNER POST AND LINE POST REQUIREMENTS.
- CHANGES IN REQUIRED PLANS DUE TO SITE CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE FOR APPROVAL.
- SOFT STEEL TIES. (9 GAUGE STEEL TO MATCH FENCE FABRIC COATING.)
- MID-RAIL REQUIRED ON FENCING OVER 6'.
- FENCING HT.: 4' AND UNDER 1 BAND PER FOOT. FENCING HT.: 5' AND ABOVE 1 BAND LESS THAN HT. OF FENCE.

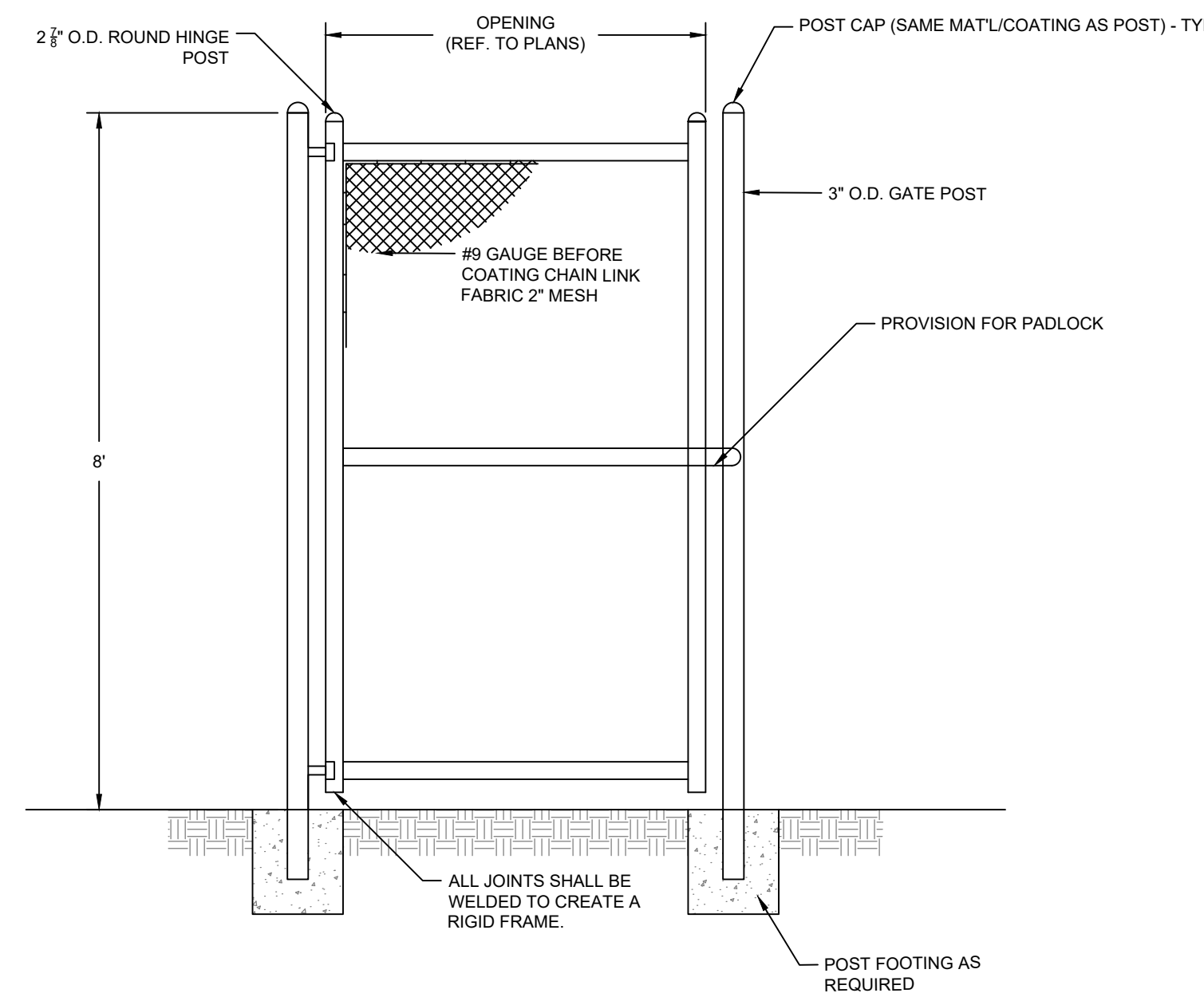
NOTE: ALL FENCE FABRIC, POSTS, RAILS, HARDWARE, ECT., TO BE BLACK FUSED BONDED NOTE WIRE GAUGE SPECIFICATIONS REFER TO CORE WIRE SIZE ONLY (NOT CORE WIRE PLUS FINISH COATING)

NOTE: IF FENCE POST SPLICING IS REQUIRED, SUBMIT SHOP DRAWINGS OF POST SPLICING ASSEMBLY, SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF GEORGIA FOR REVIEW.



② CHAIN LINK GATE (DOUBLE-SWING)

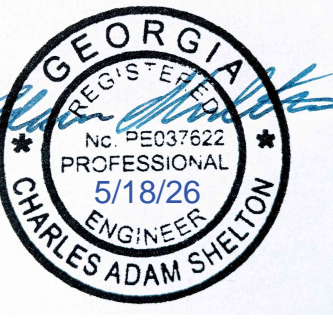
- NOTES:
- SEE CHAIN LINK GATE DIMENSION CHART FOR POST DIMENSIONS.
 - SEE FENCE AND GATE NOTES FOR ADDITIONAL FENCE CLARIFICATION.



③ CHAIN LINK GATE (SINGLE-SWING)

GATE SIZING CHART						
SINGLE LEAF GATES						
NOMINAL OPENING	SO. HINGE & LATCH POST	ACTUAL OPENING	HINGE SETTING C	RD HINGE & LATCH POST	ACTUAL OPENING	HINGE SETTINGS C
3'-0"	2 1/2" OR 3"	3'-1"	0'-2"	3" OD	3'-1 1/2"	2'-8 1/2"
3'-6"		3'-7"			3'-7 1/2"	3'-2 1/2"
4'-0"		4'-1"			4'-1 1/2"	3'-8 1/2"
5'-0"		5'-1"			5'-1 1/2"	4'-8 1/2"
6'-0"		6'-1"			6'-1 1/2"	5'-8 1/2"
7'-0"		7'-1"			7'-1 1/2"	6'-8 1/2"
8'-0"	0'-3"	8'-1"		4" OD	8'-1 1/2"	7'-8 1/2"
9'-0"		9'-1"			9'-1 1/2"	8'-8 1/2"
10'-0"		10'-1"			10'-1 1/2"	9'-8 1/2"
11'-0"					10'-2 1/2"	3-1/2" 9'-8 1/2"
12'-0"					11'-2 1/2"	2-1/4" 10'-8 1/2"
13'-0"					12'-2 1/2"	2-1/4" 11'-8 1/2"
14'-0"					13'-1 1/2"	3-1/2" 12'-7 1/2"

DOUBLE LEAF GATES						
NOMINAL OPENING	SO. HINGE & LATCH POST	ACTUAL OPENING	HINGE SETTING C	RD HINGE & LATCH POST	ACTUAL OPENING	HINGE SETTINGS C
6'-0"	2 1/2" OR 3"	6'-0"	0'-2"	3" OD	6'-0 1/2"	2'-8 1/2"
7'-0"		7'-0"			7'-0 1/2"	3'-2 1/2"
8'-0"		8'-0"		4" OD	8'-0 1/2"	3'-8 1/2"
10'-0"		10'-0"			10'-0 1/2"	4'-8 1/2"
12'-0"		12'-0"			12'-0 1/2"	5'-8 1/2"
14'-0"		14'-0"			14'-0 1/2"	6'-8 1/2"
16'-0"	0'-3"	16'-0"		4" OD	16'-0 1/2"	7'-8 1/2"
18'-0"		18'-0"			18'-0 1/2"	8'-8 1/2"
20'-0"		20'-0"			20'-0 1/2"	9'-8 1/2"
22'-0"					20'-2 1/2"	3-1/2" 9'-8 1/2"
24'-0"					22'-0 1/2"	2-1/4" 10'-8 1/2"
26'-0"					24'-0 1/2"	2-1/4" 11'-8 1/2"
28'-0"					26'-0 1/2"	3-1/2" 12'-7 1/2"



NO.	DATE	REVISION
	05/18/2026	Issued for Bidding

Rosenfeld Park Improvements
2088 Glacier Drive
Tucker, Georgia

CONSTRUCTION DETAILS

THIS BAR IS
1 INCH LONG
PLOTTED FULL SCALE

Project Manager:
Adam Shelton, P.E.
Drawn By: KR
Checked By: BF
Date: 05/18/2026
Scale: As Shown

Project No.:
220238
Drawing No.:
D-9.0

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GENERAL NOTES

- ITEM # 1. OWNER CITY OF TUCKER 2088 GLACIER DRIVE TUCKER, GEORGIA 30087 EMAIL: SHOLMES@TUCKERGA.GOV
ITEM # 2. EMERGENCY 24-HOUR CONTACT NAME: SARA HOLMES PARKS AND RECREATION DEPUTY DIRECTOR OFFICE # (470) 481-0205 / MOBILE # (470) 554-2595
ITEM # 3. TOTAL SITE AREA: 4.04 ACRES DISTURBED AREA: 1.39 ACRES
ITEM # 4. THE LAND DISTRICTS AND LAND LOTS FOR THE PROJECT ARE: 18 181 01 011 AND 18 181 01 012
ITEM # 5. DESCRIPTION: THE CONSTRUCTION ACTIVITIES GENERALLY INCLUDE CLEARING, GRADING, AND EARTHWORK REQUIRED TO INSTALL TENNIS COURTS, PARKING LOT, BIORETENTION POND, SIDEWALK, AND ALL NECESSARY EROSION CONTROL S. THE PROJECT WILL ALSO INCLUDE THE DEMOLITION OF EXISTING TENNIS COURTS, RETAINING WALLS, BLEACHERS, STAIRS AND SIDEWALK.
ITEM # 6. EXISTING SITE CONDITIONS AND ADJACENT AREAS: THE EXISTING SITE CONSIST OF TENNIS COURTS, BLEACHERS, RETAINING WALLS, AND VEGETATION. SLOPES VARY FROM GENTLE TO STEEP AND THE VEGETATION VARIES FROM GRASS AND SOD TO UNDISTURBED WOODS.
ITEM # 7. THIS SITE DOES NOT CONTAIN WETLANDS OR ANY KNOWN CEMETERIES.
ITEM # 8. NO UNIQUE VEGETATION, INCLUDING WETLAND VEGETATION, HAVE BEEN FOUND TO EXIST WITHIN THE LIMITS OF THIS PROJECT.
ITEM # 9. PROJECT SITE CONTAINS STATE WATERS REQUIRING UNDISTURBED BUFFERS, 25'.
ITEM # 10. LITTLE STONE MOUNTAIN CREEK IS THE RECEIVING WATERS.
ITEM # 11. THIS PROJECT DOES NOT DISCHARGE STORM WATER INTO AN IMPAIRED STREAM SEGMENT AND IS NOT WITHIN 1 MILE UPSTREAM OF AND WITHIN THE SAME WATERSHED AS ANY PORTION OF A BIOTA IMPAIRED STREAM SEGMENT.
ITEM # 12. NO EXISTING STORM DRAIN PIPES OR WEIRS WILL BE AFFECTED.
ITEM # 13. WASTE MATERIALS SHALL NOT BE DISCHARGED TO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.
ITEM # 14. SITES ARE LOCATED IN THE CITY OF TUCKER UNLESS OTHERWISE NOTED.
ITEM # 15. ALL LAND DISTURBING ACTIVITY IS LOCATED WITHIN RESIDENTIAL AND RURAL AREAS.
ITEM # 16. ALL SPECIAL FLOOD HAZARD AREA INFORMATION TAKEN FROM PANELS ON FIRM MAPS DATED 12/8/2016.
ITEM # 17. WORK ZONES WILL BE SET UP ACCORDING TO M.U.T.C.D. MANUAL.
ITEM # 18. RETAINING WALLS OVER 4' IN HEIGHT AND PART OF INITIAL INFRASTRUCTURE WILL BE REQUIRED TO BE INSPECTED BY DESIGN PROFESSIONAL OR REPRESENTATIVE AND INSPECTION REPORT WILL BE REQUIRED AT TIME OF C.O.
ITEM # 19. ALL MANHOLES OR CATCH BASINS MAY NOT BE COVERED DURING OR AFTER CONSTRUCTION AND SHALL BE VISIBLE AND CLEAN ON FINAL INSPECTION.
ITEM # 20. SHOULDER RESTORATION WILL BE LEVEL WITH EXISTING ASPHALT AND SLOPING TO DITCH LINE.
ITEM # 21. ALL DRIVEWAY APRONS MUST BE INSPECTED WHEN FORMED AND AFTER POURED.
ITEM # 22. CONTRACTOR MUST CALL CITY PUBLIC WORKS ENGINEERS OFFICE FOR INSPECTION OF ALL STORM DRAIN SYSTEMS (PIPES, BOXES, CATCH BASINS, ETC.) BEFORE BACKFILLING.
ITEM # 23. CONCRETE TRUCK DRUMS SHALL NOT BE WASHED OUT ONSITE AND SURPLUS CONCRETE WILL NOT BE DISCARDED ONSITE.
ITEM # 24. CONCRETE TRUCK SHOOTS AND TOOLS WILL BE WASHED OUT INTO THE WORKING TRENCH PRIOR TO BACKFILL. NO WATER FROM WASHING OFF TOOLS OR SHOOTS WILL LEAVE THE SITE OR DRAIN ONTO UNDISTURBED AREAS. ANY SOIL OR DEBRIS ON ROAD WILL BE REMOVED DAILY OR IMMEDIATELY IF A HAZARDOUS ROAD CONDITION EXISTS.
ITEM # 25. PROVIDE COVER (E.G. PLASTIC SHEETING, TEMPORARY ROOFS) FOR BUILDING MATERIALS, BUILDING PRODUCTS, CONSTRUCTION WASTES, TRASH, LANDSCAPE MATERIALS, FERTILIZERS, PESTICIDES, HERBICIDES, DETERGENTS, SANITARY WASTE, AND OTHER MATERIALS PRESENT ON THE SITE. COVER WILL BE UTILIZED TO MINIMIZE THE EXPOSURE OF THESE PRODUCTS TO PRECIPITATION AND TO NEGATE STORMWATER DISCHARGE OF POLLUTANTS FROM THESE AREAS.
ITEM # 26. LIMIT OF DISTURBANCE SHALL BE NO GREATER THAN 50 ACRES AT ANY ONE TIME WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE EPD DISTRICT OFFICE.
ITEM # 27. THERE ARE NO PROPOSED BUFFER ENCRoACHMENTS INTO THE 25' STATE WATERS BUFFER.

PUBLIC UTILITIES NOTES

- 1. DEKALB COUNTY SHALL BE NOTIFIED 24 HOURS PRIOR TO ANY WATER OR SANITARY SEWER LINE CONSTRUCTION OR REPAIRS. ONLY CONTRACTORS APPROVED BY DEKALB COUNTY PUBLIC UTILITIES DEPARTMENT WILL BE ALLOWED TO PERFORM CONSTRUCTION OR REPAIRS CONNECTED TO SAID WATER OR SANITARY SEWER MAINS. CALL ENGINEERING INSPECTOR'S OFFICE AT (470) 371-4918 PRIOR TO BEGINNING CONSTRUCTION OR TO BECOME AN APPROVED CONTRACTOR.
2. ALL WATER MAIN AND SANITARY SEWER MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE CITY OF TUCKER "STANDARD SPECIFICATIONS FOR CONSTRUCTION OF WATER MAINS AND SANITARY SEWERS", (LATEST EDITION).
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING A MARKED-UP SET OF CONTRACT DRAWINGS SHOWING "AS-BUILT" CONDITIONS. THESE "RECORD DRAWINGS" SHALL BE MADE AVAILABLE TO THE ENGINEER AND/OR THE CITY INSPECTOR UPON REQUEST. THE MARK-UPS SHALL BE AT THE SITE AT ALL TIMES AND SHALL BE UTILIZED TO DEVELOP FINAL RECORD DRAWINGS. FINAL ACCEPTANCE OF WATER AND/OR SEWER MAIN CONSTRUCTION WILL NOT BE GRANTED UNTIL AS-BUILT DRAWINGS HAVE BEEN RECEIVED BY DEKALB COUNTY WATER OPS.
4. MAINTAIN A MINIMUM 10 FEET HORIZONTAL DISTANCE BETWEEN WATER & SEWER LINE.
5. MAINTAIN A MINIMUM 18 INCH VERTICAL DISTANCE BETWEEN WATER AND SEWER LINE.
6. WHERE WATER AND SANITARY SEWER LINES CROSS, THE WATER MAIN SHALL BE 18 INCHES ABOVE THE SEWER. IF THE SEWER MUST BE ABOVE THE WATER MAIN, THE SEWER SHALL BE AT LEAST 18 INCHES ABOVE AND ENCASED IN CONCRETE A MINIMUM OF 10 FEET ON EACH SIDE OF THE WATER MAIN. JOINTS SHALL BE SPACED TO PROVIDE MAXIMUM DISTANCE FROM CROSSING.
7. WHERE WATER OR SANITARY SEWER MAINS CROSS STORM DRAINS, MINIMUM 18 INCHES VERTICAL SEPARATION SHALL BE MAINTAINED.

EROSION CONTROL NOTES

- ITEM # 1. INSTALLATION: THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO LAND DISTURBING ACTIVITIES. MAINTENANCE: EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.
ITEM # 2. ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.
ITEM # 3. EROSION CONTROL MEASURES SHOWN ON THE DRAWINGS ARE MINIMUM REQUIREMENTS. ADDITIONAL EROSION CONTROL MEASURES SHALL BE EMPLOYED BY THE CONTRACTOR WHERE DETERMINED NECESSARY BY LOCAL AUTHORITIES OR THE ENGINEER BASED UPON ACTUAL SITE CONDITIONS. CHECK DAMS (Cd) WILL BE USED AS NEEDED.
ITEM # 4. EROSION CONTROL MEASURES MAY HAVE TO BE ALTERED FROM THAT SHOWN ON THE DRAWINGS IF DRAINAGE PATTERNS DURING CONSTRUCTION ARE DIFFERENT FROM THE DRAINAGE PATTERNS SHOWN ON THE DRAWINGS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ACCOMPLISH EROSION CONTROL FOR ALL DRAINAGE PATTERNS CREATED AT VARIOUS STAGES DURING CONSTRUCTION. ADDITIONAL SEDIMENT BARRIERS WILL BE PLACED AS REQUIRED BY INSPECTOR.
ITEM # 5. MAINTENANCE OF ALL SOIL EROSION AND SEDIMENTATION CONTROL PRACTICES, WHETHER TEMPORARY OR PERMANENT, SHALL BE AT ALL TIMES THE RESPONSIBILITY OF THE CONTRACTOR DURING CONSTRUCTION. PROVISIONS TO PREVENT EROSION OF SOIL FROM SITE SHALL BE, AT A MINIMUM, IN CONFORMANCE WITH THE LATEST REVISION OF THE "MANUAL FOR EROSION AND SEDIMENTATION CONTROL IN GEORGIA."
ITEM # 6. FAILURE TO INSTALL, OPERATE, OR MAINTAIN ALL EROSION CONTROL MEASURES WILL RESULT IN ALL CONSTRUCTION BEING STOPPED ON THE JOB SITE UNTIL SUCH MEASURES ARE CORRECTED.
ITEM # 7. IF FINES OR PENALTIES ARE LEVIED AGAINST THE PROPERTY OR THE PROPERTY OWNER BECAUSE OF A LACK OF EROSION OR SEDIMENTATION CONTROL, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PAYMENT OF SUCH FINES OR PENALTIES, OR THE COST OF SUCH FINES OR PENALTIES SHALL BE DEDUCTED FROM THE CONTRACT AMOUNT.
ITEM # 8. WASTE MATERIALS SHALL NOT BE DISCHARGED TO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.
ITEM # 9. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLE OR SITE ONTO PUBLIC ROADWAYS OR INTO STORM DRAINS SHALL BE KEPT TO A MINIMUM & REMOVED BY THE END OF THE DAY.

EROSION CONTROL NOTES (CONT.)

- ITEM # 12. THE INSTALLATION OF EROSION CONTROL MEASURES AND PRACTICES SHALL TAKE PLACE PRIOR TO, OR CONCURRENT WITH, LAND DISTURBING ACTIVITIES.
ITEM # 13. TEMPORARY MULCHING SHALL BE PROVIDED TO DISTURBED AREAS DAILY.
ITEM # 14. LIMITS OF CONSTRUCTION SHALL BE CONTAINED WITHIN THE RIGHT OF WAY AND EASEMENTS OBTAINED BY THE PUBLIC UTILITIES DEPARTMENT.
ITEM # 15. PRIOR TO COMMENCING LAND DISTURBANCE ACTIVITY, THE LIMITS OF LAND DISTURBANCE SHALL BE CLEARLY AND ACCURATELY DEMARCATED WITH STAKES, RIBBONS, OR OTHER APPROPRIATE MEANS. THE LOCATION AND EXTENT OF ALL AUTHORIZED LAND DISTURBANCE ACTIVITY SHALL BE DEMARCATED FOR THE DURATION OF THE CONSTRUCTION ACTIVITY. NO DISTURBANCE ACTIVITY SHALL OCCUR OUTSIDE THE LIMITS INDICATED ON THE DRAWINGS.
ITEM # 16. ALL EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs) WILL BE INSPECTED DAILY, AND ANY DEFICIENCIES WILL BE CORRECTED BY THE END OF EACH DAY. ADDITIONAL EROSION CONTROL BMPs WILL BE INSTALLED IF DEEMED NECESSARY BY ON SITE INSPECTION BY THE ISSUING AUTHORITY.
ITEM # 17. SEDIMENT CONTROL MEASURES WILL BE MAINTAINED UNTIL ALL UPSTREAM DISTURBED GROUND WITHIN THE CONSTRUCTION AREA HAS BEEN COMPLETELY STABILIZED WITH PERMANENT VEGETATION AND ALL ROADS/PARKING HAVE BEEN PAVED.
ITEM # 18. CONTRACTOR SHALL INSPECT AND REPAIR EROSION CONTROL MEASURES AT LEAST DAILY AND PRIOR TO EACH ANTICIPATED RAINFALL.
ITEM # 19. THE CONTRACTOR SHALL REMOVE ACCUMULATED SILT FROM SEDIMENT BARRIERS AND CHECK DAMS WHICH BECOME SILTED ABOVE ONE-HALF OF THEIR ORIGINAL HEIGHT.
ITEM # 20. ALL AREAS TO BE PAVED SHALL BE STABILIZED WITH BASE MATERIAL AS SOON AS PRACTICAL. TEMPORARY OR PERMANENT VEGETATIVE STABILIZATION SHALL BE PROVIDED IMMEDIATELY AFTER REACHING FINAL GRADE FOR ALL AREAS NOT TO BE PAVED.
ITEM # 21. THE CONSTRUCTION ACTIVITIES AT THESE SITES WILL NOT RESULT IN FLOODING OR CHANNEL DEGRADATION DOWNSTREAM.
ITEM # 22. NO CUT OR FILL SLOPES STEEPER THAN 2:1 ARE ALLOWED. SPECIAL ATTENTION WILL BE GIVEN TO FILLS OVER 5 FEET IN HEIGHT.
ITEM # 23. ALL FILL SLOPES WILL HAVE SILT FENCES AT THE TOE OF SLOPES.
ITEM # 24. SURFACE ROUGHENING (Su): ALL CUT AND FILL SLOPES SHALL BE SURFACE ROUGHENED AND VEGETATED WITHIN (3) THREE DAYS AFTER GRADING IS COMPLETED.
ITEM # 25. AT THE END OF EACH WORK DAY, ALL SLOPES 2:1 OR STEEPER AND HIGHER THAN 5 FEET SHALL RECEIVE SURFACE ROUGHENING, POLYMERS, AND MATTING.
ITEM # 26. DOUBLE ROW TYPE C SILT FENCE REQUIRED WHEN PLACED ALONG STATE WATERS AND AT THE TOE OF SLOPES EXCEEDING 10' VERTICAL.
ITEM # 27. CHECK DAMS SHALL HAVE A MAXIMUM SPACING OF 150 FEET IN DITCH LINE.
ITEM # 28. AN UNDISTURBED VEGETATIVE BUFFER (MEETING COUNTY & STATE REGULATIONS) AND THE APPROPRIATE IMPERVIOUS SETBACK ADJACENT TO ALL STATE WATERS WILL BE PRESERVED.
ITEM # 29. SIGN EVERY LOT OR EVERY 100', WHICHEVER IS LESS, STATING: "STREAMSIDE BUFFER - DO NOT REMOVE OR ALTER EXISTING NATIVE VEGETATION."
ITEM # 30. CRITICAL AREAS: RIP RAP AND/OR STONE CHECK DAMS SHALL BE PLACED AT ALL CRITICAL EROSION AREAS INCLUDING, BUT NOT LIMITED TO, STREAM CROSSINGS.
ITEM # 31. PERMANENT VEGETATION SHALL BE PROVIDED AT THE EARLIEST SUITABLE GROWING SEASON.
ITEM # 32. WHEN ANY CONSTRUCTION BORDERS A DRAINAGE COURSE, THE CONTRACTOR SHALL NOT DEPOSIT ANY BUILDING OR OTHER EXCAVATION SPOIL DIRT, CONSTRUCTION TRASH OR DEBRIS, ECT. IN THE DRAINAGE COURSE OR ASSOCIATED FLOOD PLAIN.
ITEM # 33. GRADING EQUIPMENT MUST CROSS FLOWING STREAMS BY THE MEANS OF BRIDGING OR CULVERTS, EXCEPT WHEN SUCH METHODS ARE NOT FEASIBLE; ALL STREAM CROSSINGS WILL BE PERFORMED IN ACCORDANCE WITH THE LATEST REVISION OF THE "MANUAL FOR EROSION AND SEDIMENTATION CONTROL IN GEORGIA."
ITEM # 34. DISCHARGE OF STORM-WATER RUN-OFF FROM DISTURBED AREAS TO A STREAM SHALL BE CONTROLLED TO THE EXTENT THAT TURBIDITY OF THE STREAM DOWNSTREAM FROM THE DISCHARGE SHALL NOT EXCEED 25 NEPHELOMETRIC TURBIDITY UNITS HIGHER THAN THE TURBIDITY LEVEL OF THE RECEIVING STREAM IMMEDIATELY UPSTREAM FROM THE STORM-WATER RUN-OFF DISCHARGE AT THE TIME OF SUCH DISCHARGE.
ITEM # 35. DISPOSE OF WASTE SOILS AND CLEARED AND GRUBBED & CONSTRUCTION DEBRIS OFF-SITE AT AN APPROVED LANDFILL SECURED BY THE CONTRACTOR, AND IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.
ITEM # 36. ALL SOLID WASTE IS TO BE HAULED OFF-SITE. STUMPS AND CONSTRUCTION DEBRIS SHALL BE DEPOSITED IN A PROPERLY PERMITTED LANDFILL.
ITEM # 37. CONSTRUCTION EXIT IS PROVIDED TO MINIMIZE THE AMOUNT OF OFF-SITE VEHICLE TRACKING OF DIRT, SOILS, AND SEDIMENTS AND DUST GENERATION. THE CONSTRUCTION ENTRANCE/EXIT ALSO ACTS AS A FUELING AREA WHICH WILL PROVIDE REMEDIATION OF PETROLEUM SPILLS AND LEAKS.
ITEM # 38. NON-EXEMPT ACTIVITIES SHALL NOT BE CONDUCTED WITHIN THE 25 OR 50-FOOT UNDISTURBED STREAM BUFFER AS MEASURED FROM THE POINT OF WRESTED VEGETATION OR WITHIN 25-FEET OF THE COASTAL MARSHLAND BUFFER AS MEASURED FROM THE JURISDICTIONAL DETERMINATION LINE WITHOUT FIRST ACQUIRING THE NECESSARY VARIANCES AND PERMITS.
ITEM # 39. UPON NOTIFICATION BY THE PRIMARY PERMITTEE, THE DESIGN PROFESSIONAL WHO PREPARED THE ES&PC PLAN SHALL INSPECT AND CERTIFY THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER CONTROL BMP'S WITHIN SEVEN (7) DAYS AFTER INSTALLATION.
ITEM # 40. ANY AMENDMENTS/REVISIONS TO THE ES&PC PLAN WHICH HAVE A SIGNIFICANT EFFECT ON BMPs WITH A HYDRAULIC COMPONENT MUST BE CERTIFIED BY THE DESIGN PROFESSIONAL.
ITEM # 41. THESE PLANS HAVE BEEN PREPARED TO MEET THE REQUIREMENTS UNDER THE STATE OF GEORGIA, DEPT. OF NATURAL RESOURCES, ENVIRONMENTAL PROTECTION DIVISION (EPD), GENERAL PERMIT NO. GAR 100001 FOR AUTHORIZATION TO DISCHARGE UNDER THE NPDES, STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY FOR THIS PROJECT.
ITEM # 42. RETAINING WALLS OVER 4' IN HEIGHT AND PART OF INITIAL INFRASTRUCTURE WILL BE REQUIRED TO BE INSPECTED BY DESIGN PROFESSIONAL OR REPRESENTATIVE AND AN INSPECTION REPORT WILL BE REQUIRED AT TIME OF C.O.
ITEM # 43. SEE DETAIL PAGES FOR CHART WITH SYMBOLS, DETAILS, AND DESCRIPTIONS OF FULL EROSION CONTROL MEASURES.
ITEM # 44. GPS LOCATION OF CONSTRUCTION EXIT: 33.843281 N 84.16535 W
ITEM # 45. CONTRACTOR IS TO ENSURE SITE WILL HAVE THE APPROPRIATE STAGING & ACCESS REQUIREMENTS FOR CONSTRUCTION EQUIPMENT.

SOIL CLEANUP AND CONTROL PRACTICES

- 1. LOCAL, STATE AND MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED AND PROCEDURES WILL BE MADE AVAILABLE TO SITE PERSONNEL.
2. MATERIAL AND EQUIPMENT NECESSARY FOR SPILL CLEANUP WILL BE KEPT IN THE MATERIAL STORAGE AREAS. TYPICAL MATERIALS AND EQUIPMENT INCLUDES, BUT IS NOT LIMITED TO, BROOMS, DUSTPANS, MAPS, RAGS, GLOVES, GOGGLES, CAT LITTER, SAND, SAWDUST AND PROPERLY LABELED PLASTIC AND METAL WASTE CONTAINERS.
3. SPILL PREVENTION PRACTICES AND PROCEDURES WILL BE REVIEWED AFTER A SPILL AND ADJUSTED AS NECESSARY TO PREVENT FUTURE SPILLS.
4. ALL SPILLS WILL BE CLEANED UP IMMEDIATELY UPON DISCOVERY. ALL SPILLS WILL BE REPORTED AS REQUIRED BY LOCAL, STATE AND FEDERAL REGULATIONS.
5. FOR SPILLS THAT IMPACT SURFACE WATER (LEAVE A SHEEN ON SURFACE WATER), THE NATIONAL RESPONSE CENTER (NRC) WILL BE CONTACTED WITHIN 24 HOURS AT 1-800-424-8802.
6. FOR SPILLS OF AN UNKNOWN AMOUNT, THE NATIONAL RESPONSE CENTER (NRC) WILL BE CONTACTED WITHIN 24 HOURS AT 1-800-424-8802.
7. FOR SPILLS GREATER THAN 25 GALLONS AND NO SURFACE WATER IMPACT, THE GEORGIA EPD WILL BE CONTACTED WITHIN 24 HOURS.
8. FOR SPILLS LESS THAN 25 GALLONS AND NO SURFACE WATER IMPACT, THE SPILL WILL BE CLEANED UP AND LOCAL AGENCIES WILL BE CONTACTED AS REQUIRED.
9. THE CONTRACTOR SHALL NOTIFY THE LICENSED PROFESSIONAL WHO PREPARED THIS PLAN IF MORE THAN 1,320 GALLONS OF PETROLEUM IS STORED ONSITE (THIS INCLUDES CAPACITIES OF EQUIPMENT) OR IF ANY ONE PIECE OF EQUIPMENT HAS A CAPACITY GREATER THAN 660 GALLONS. THE CONTRACTOR WILL NEED A SPILL PREVENTION CONTAINMENT AND COUNTERMEASURES PLAN PREPARED BY THAT LICENSED PROFESSIONAL.
10. SPILL AREA WILL BE KEPT WELL VENTILATED AND PERSONNEL WILL WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT INJURY FROM CONTACT WITH A HAZARDOUS SUBSTANCE.
11. SPILLS OF TOXIC OR HAZARDOUS MATERIAL WILL BE REPORTED TO THE APPROPRIATE STATE OR LOCAL GOVERNMENT AGENCY REGARDLESS OF THE SIZE.
12. THE SPILL PREVENTION PLAN WILL BE ADJUSTED TO INCLUDE MEASURES TO PREVENT THIS TYPE OF SPILL FROM REOCCURRING AND HOW TO CLEAN UP THE SPILL IF THERE IS ANOTHER ONE. A DESCRIPTION OF THE SPILL, WHAT CAUSED IT, AND THE CLEANUP MEASURES WILL ALSO BE INCLUDED.
13. THE CONTRACTOR'S SITE SUPERVISOR SHALL BE RESPONSIBLE FOR THE DAY-TO-DAY SITE OPERATIONS WILL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR. HE WILL DESIGNATE AT LEAST ONE OTHER SITE PERSON WHO WILL RECEIVE SPILL PREVENTION AND CLEANUP TRAINING. THIS INDIVIDUAL WILL BECOME RESPONSIBLE FOR A PARTICULAR PHASE OF PREVENTION AND CLEANUP. THE NAMES OF RESPONSIBLE SPILL PERSONNEL WILL BE POSTED IN THE MATERIAL STORAGE AREA AND IN THE OFFICE TRAILER ONSITE (OR DESIGNATED ONSITE JOB LOCATION).

PRODUCT SPECIFIC PRACTICES

- ITEM # 1. PETROLEUM BASED PRODUCTS - CONTAINERS FOR PRODUCTS SUCH AS FUELS, LUBRICANTS AND TARS WILL BE INSPECTED DAILY FOR LEAKS AND SPILLS. THIS INCLUDES ON-SITE VEHICLE AND MACHINERY DAILY INSPECTIONS AND REGULAR PREVENTATIVE MAINTENANCE OF SUCH EQUIPMENT. EQUIPMENT MAINTENANCE AREAS WILL BE LOCATED AWAY FROM STATE WATERS, NATURAL DRAINS AND STORM WATER DRAINAGE INLETS. IN ADDITION, TEMPORARY FUELING TANKS SHALL HAVE A SECONDARY CONTAINMENT LINER TO PREVENT/MINIMIZE SITE CONTAMINATION. DISCHARGE OF OILS, FUELS AND LUBRICANTS IS PROHIBITED. PROPER DISPOSAL METHODS WILL INCLUDE COLLECTION IN A SUITABLE CONTAINER AND DISPOSAL AS REQUIRED BY LOCAL AND STATE REGULATIONS.
2. PAINTS/FINISHES/SOLVENTS - ALL PRODUCTS WILL BE STORED IN TIGHTLY SEALED ORIGINAL CONTAINERS WHEN NOT IN USE. EXCESS PRODUCT WILL NOT BE DISCHARGED TO THE STORM WATER COLLECTION SYSTEM. EXCESS PRODUCT, MATERIALS USED WITH THESE PRODUCTS AND PRODUCT CONTAINERS WILL BE DISPOSED OF ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.
3. CONCRETE TRUCK WASHING - NO CONCRETE TRUCKS WILL BE ALLOWED TO WASH OUT OR DISCHARGE SURPLUS CONCRETE OR DRUM WASH WATER ONSITE.
4. FERTILIZER/HERBICIDES - THESE PRODUCTS WILL BE APPLIED AT RATES THAT DO NOT EXCEED THE MANUFACTURER'S SPECIFICATIONS OR ABOVE THE GUIDELINES SET FORTH IN THE CROP ESTABLISHMENT OR IN THE GSWCC MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA. ANY STORAGE OF THESE MATERIALS WILL BE UNDER ROOF IN SEALED CONTAINERS.
5. BUILDING MATERIALS - NO BUILDING OR CONSTRUCTION MATERIALS WILL BE BURIED OR DISPOSED OF ONSITE. ALL SUCH MATERIAL WILL BE DISPOSED OF USING PROPER WASTE DISPOSAL PROCEDURES.

CONCRETE TRUCKS

- ITEM # 1. CONCRETE TRUCK DRUMS WILL NOT BE WASHED OUT ONSITE.
2. SURPLUS CONCRETE WILL NOT BE DISCARDED ONSITE.
3. CONCRETE TRUCK SHOOTS AND TOOLS WILL BE WASHED OUT INTO THE WORKING TRENCH PRIOR TO BACKFILL.
4. NO WATER FROM WASHING OFF TOOLS OR SHOOTS WILL LEAVE THE SITE OR DRAIN ONTO UNDISTURBED AREAS.

SANITARY WASTE

- 1. A MINIMUM OF ONE PORTABLE SANITARY UNIT WILL BE PROVIDED FOR EVERY TEN WORKERS ON THE SITE. ALL SANITARY WASTE WILL BE COLLECTED FROM THE PORTABLE UNITS A MINIMUM OF ONE TIME PER WEEK BY A LICENSED PORTABLE FACILITY PROVIDER IN COMPLETE COMPLIANCE WITH LOCAL AND STATE REGULATIONS.
2. ALL SANITARY WASTE UNITS WILL BE LOCATED IN AN AREA WHERE THE LIKELIHOOD OF THE UNIT CONTRIBUTING TO STORM WATER DISCHARGE IS NEGLIGIBLE. ADDITIONAL CONTAINMENT BMPs MUST BE IMPLEMENTED, SUCH AS GRAVEL BAGS OR SPECIALLY DESIGNED PLASTIC SKID CONTAINERS AROUND THE BASE TO PREVENT WASTE FROM CONTRIBUTING TO STORM WATER DISCHARGES. THE LOCATION OF SANITARY WASTE UNITS MUST BE IDENTIFIED ON THE EROSION CONTROL PLAN GRADING PHASE.

INSPECTIONS

- ITEM # 1. PRIMARY PERMITTEE RESPONSIBILITIES. THE DESIGN PROFESSIONAL WHO PREPARED THIS ES&PC PLAN IS TO INSPECT THE INSTALLATION OF THE INITIAL SEDIMENT REQUIREMENTS AND PERIMETER.
2. EACH DAY WHEN ANY TYPE OF CONSTRUCTION ACTIVITY HAS TAKEN PLACE AT A PRIMARY PERMITTEE'S SITE, CERTIFIED PERSONNEL PROVIDED BY THE PRIMARY PERMITTEE SHALL INSPECT: (A) ALL AREAS AT THE PRIMARY PERMITTEE'S SITE WHERE PETROLEUM PRODUCTS ARE STORED, USED, OR HANDLED FOR SPILLS AND LEAKS FROM VEHICLES AND EQUIPMENT AND (B) ALL LOCATIONS AT THE PRIMARY PERMITTEE'S SITE WHERE VEHICLES ENTER OR EXIT THE SITE FOR EVIDENCE OF OFF-SITE SEDIMENT TRACKING. THESE INSPECTIONS MUST BE CONDUCTED UNTIL A NOTICE OF TERMINATION IS SUBMITTED.
3. MEASUREMENTS AND RECORD RAINFALL WITHIN DISTURBED AREAS OF THE SITE THAT HAVE NOT MET FINAL STABILIZATION ONCE EVERY 24 HOURS EXCEPT ANY NON-WORKING SATURDAY, NON-WORKING SUNDAY AND NON-WORKING FEDERAL HOLIDAY. THE DATA COLLECTED FOR THE PURPOSE OF COMPLIANCE WITH THIS PERMIT SHALL BE REPRESENTATIVE OF THE MONITORED ACTIVITY. MEASUREMENT OF RAINFALL MAY BE SUSPENDED IF ALL AREAS OF THE SITE HAVE UNDERGONE FINAL STABILIZATION OR ESTABLISHED A CROP OF ANNUAL VEGETATION AND A SEEDING OF TARGET PERENNIALS APPROPRIATE FOR THE REGION.
4. CERTIFIED PERSONNEL (PROVIDED BY PRIMARY PERMITTEE) SHALL INSPECT THE FOLLOWING AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.5 INCHES RAINFALL OR GREATER (UNLESS SUCH STORM ENDS AFTER 5:00 PM ON ANY FRIDAY OR ON ANY NON-WORKING SATURDAY, NON-WORKING SUNDAY OR ANY NON-WORKING FEDERAL HOLIDAY IN WHICH CASE THE INSPECTION SHALL BE COMPLETED BY THE END OF THE NEXT BUSINESS DAY AND/OR WORKING DAY, WHICHEVER OCCURS FIRST): (A) DISTURBED AREAS OF THE PRIMARY PERMITTEE'S CONSTRUCTION SITE; (B) AREAS USED BY THE PRIMARY PERMITTEE FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION; AND (C) STRUCTURAL CONTROL MEASURES. EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN APPLICABLE TO THE PRIMARY PERMITTEE'S SITE SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY. WHERE DISCHARGE LOCATIONS OR POINTS ARE ACCESSIBLE, THEY SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATER(S). FOR AREAS OF A SITE THAT HAVE UNDERGONE FINAL STABILIZATION OR ESTABLISHED A CROP OF ANNUAL VEGETATION AND A SEEDING OF TARGET PERENNIALS APPROPRIATE FOR THE REGION, THE PERMITTEE MUST COMPLY WITH PART IV.D.4.A.(4). THESE INSPECTIONS MUST BE CONDUCTED UNTIL A NOTICE OF TERMINATION IS SUBMITTED.
5. CERTIFIED PERSONNEL (PROVIDED BY THE PRIMARY PERMITTEE) SHALL INSPECT AT LEAST ONCE PER MONTH DURING THE TERM OF THIS PERMIT (I.E., UNTIL A NOTICE OF TERMINATION IS SUBMITTED TO EPD) THE AREAS OF THE SITE THAT HAVE UNDERGONE FINAL STABILIZATION OR ESTABLISHED A CROP OF ANNUAL VEGETATION AND A SEEDING OF TARGET PERENNIALS APPROPRIATE FOR THE REGION. THESE AREAS SHALL BE INSPECTED FOR EVIDENCE OF, OR THE POTENTIAL FOR, POLLUTANTS ENTERING THE DRAINAGE SYSTEM AND THE RECEIVING WATER(S). EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY. WHERE DISCHARGE LOCATIONS OR POINTS ARE ACCESSIBLE, THEY SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATER(S).
6. BASED ON THE RESULTS OF EACH INSPECTION, THE SITE DESCRIPTION AND THE POLLUTION PREVENTION AND CONTROL MEASURES IDENTIFIED IN THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN, THE PLAN SHALL BE REVISED AS APPROPRIATE NOT LATER THAN SEVEN (7) CALENDAR DAYS FOLLOWING EACH INSPECTION. IMPLEMENTATION OF SUCH CHANGES SHALL BE MADE AS SOON AS PRACTICAL BUT IN NO CASE LATER THAN SEVEN (7) CALENDAR DAYS FOLLOWING EACH INSPECTION.
7. A REPORT OF EACH INSPECTION THAT INCLUDES THE NAME(S) OF CERTIFIED PERSONNEL MAKING EACH INSPECTION, THE DATE(S) OF EACH INSPECTION, CONSTRUCTION PHASE (I.E., INITIAL, INTERMEDIATE OR FINAL), MAJOR OBSERVATIONS RELATING TO THE IMPLEMENTATION OF THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN, AND ACTIONS TAKEN IN ACCORDANCE WITH PART IV.D.4.A.(5), OF THE PERMIT SHALL BE MADE AND RETAINED AT THE SITE OR BE READILY AVAILABLE AT A DESIGNATED ALTERNATIVE LOCATION UNTIL THE ENTIRE SITE OR THAT PORTION OF A CONSTRUCTION PROJECT THAT HAS BEEN PHASED HAS UNDERGONE FINAL STABILIZATION AND A NOTICE OF TERMINATION IS SUBMITTED TO EPD. SUCH REPORTS SHALL BE READILY AVAILABLE BY END OF THE SECOND BUSINESS DAY AND/OR WORKING DAY AND SHALL IDENTIFY ALL INCIDENTS OF BEST MANAGEMENT PRACTICES THAT HAVE NOT BEEN PROPERLY INSTALLED AND/OR MAINTAINED AS DESCRIBED IN THE PLAN. WHERE THE REPORT DOES NOT IDENTIFY ANY INCIDENTS, THE INSPECTION REPORT SHALL CONTAIN A STATEMENT THAT THE BEST MANAGEMENT PRACTICES ARE IN COMPLIANCE WITH THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN. THE REPORT SHALL BE SIGNED IN ACCORDANCE WITH PART V.G.2. OF THIS PERMIT.

SAMPLING REQUIREMENTS

- THIS PERMIT REQUIRES THE MONITORING OF NEPHELOMETRIC TURBIDITY IN RECEIVING WATER(S) OR OUTFALLS IN ACCORDANCE WITH THIS PERMIT. THE FOLLOWING PROCEDURES CONSTITUTE EPD'S GUIDELINES FOR SAMPLING TURBIDITY.
A. SAMPLING REQUIREMENTS SHALL INCLUDE THE FOLLOWING:
1. A USGS TOPOGRAPHIC MAP, A TOPOGRAPHIC MAP OR A DRAWING (REFERRED TO AS A TOPOGRAPHIC MAP) THAT IS A SCALE EQUAL TO OR MORE DETAILED THAN A 1:24000 MAP SHOWING THE LOCATION OF THE INFRASTRUCTURE CONSTRUCTION; (A) THE LOCATION OF ALL PERENNIAL AND INTERMITTENT STREAMS AND OTHER WATER BODIES AS SHOWN ON A USGS TOPOGRAPHIC MAP, AND ALL OTHER PERENNIAL AND INTERMITTENT STREAMS AND OTHER WATER BODIES LOCATED DURING MANDATORY FIELD VERIFICATION, INTO WHICH THE STORM WATER IS DISCHARGED AND (B) THE RECEIVING WATER AND/OR OUTFALL SAMPLING LOCATIONS FOR EACH REPRESENTATIVE STORMWATER OUTFALL. WHEN THE PERMITTEE HAS CHOSEN TO USE A USGS TOPOGRAPHIC MAP AND THE RECEIVING WATER(S) IS NOT SHOWN ON THE USGS TOPOGRAPHIC MAP, THE LOCATION OF THE RECEIVING WATER(S) MUST BE HAND-DRAWN ON THE USGS TOPOGRAPHIC MAP FROM WHERE THE STORM WATER(S) ENTERS THE RECEIVING WATER(S) TO THE POINT WHERE THE RECEIVING WATER(S) COMBINES WITH THE FIRST BLUE LINE STREAM SHOWN ON THE USGS TOPOGRAPHIC MAP;
2. A WRITTEN NARRATIVE OF SITE SPECIFIC ANALYTICAL METHODS USED TO COLLECT AND ANALYZE THE SAMPLES INCLUDING QUALITY CONTROL/QUALITY ASSURANCE PROCEDURES. THIS NARRATIVE MUST INCLUDE PRECISE SAMPLING METHODOLOGY FOR EACH SAMPLING LOCATION;
3. WHEN THE PERMITTEE HAS DETERMINED THAT SOME OR ALL OUTFALLS WILL BE SAMPLED, A RATIONALE MUST BE INCLUDED ON THE PLAN FOR THE NTU LIMIT(S) SELECTED FROM APPENDIX B. THIS RATIONALE MUST INCLUDE THE SIZE OF THE CONSTRUCTION SITE, THE CALCULATION OF THE SIZE OF THE SURFACE WATER DRAINAGE AREA, AND THE TYPE OF RECEIVING WATER(S) (I.E., TROUGH STREAM OR SUPPORTING WARM WATER FISHERIES); AND
4. ANY ADDITIONAL INFORMATION EPD DETERMINES NECESSARY TO BE PART OF THE PLAN. EPD WILL PROVIDE WRITTEN NOTICE TO THE PERMITTEE OF THE INFORMATION NECESSARY AND THE TIME LINE FOR SUBMITTAL.
5. INSPECTIONS AND REPORTING TO BE INCLUDED IN BID FEE.

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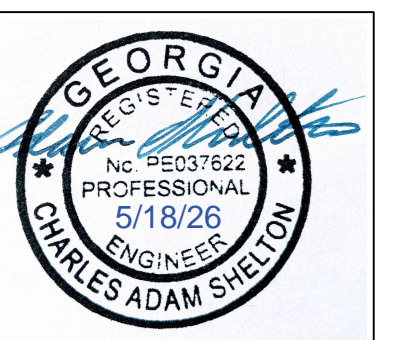


Table with columns: NO., DATE, REVISION. Row 1: 05/18/2026, Issued for Bidding.

Rosenfeld Park Improvements
2088 Glacier Drive
Tucker, Georgia
ESPCP NOTES
CHARLES A. SHELTON, P.E. - LEVEL II CERTIFICATION #000074473

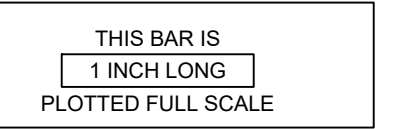


Table with project management info: Project Manager: Adam Shelton, P.E.; Drawn By: KR; Checked By: BF; Date: 05/18/2026; Scale: As Shown.

Table with project info: Project No.: 220238; Drawing No.: EC-01.

SAMPLING REQUIREMENTS

B. SAMPLE TYPE: ALL SAMPLING SHALL BE COLLECTED BY "GRAB SAMPLES" AND THE ANALYSIS OF THESE SAMPLES MUST BE CONDUCTED IN ACCORDANCE WITH METHODOLOGY AND TEST PROCEDURES ESTABLISHED BY 40 CFR PART 136 (UNLESS OTHER TEST PROCEDURES HAVE BEEN APPROVED); THE GUIDANCE DOCUMENT TITLED "NPDES STORM WATER SAMPLING GUIDANCE DOCUMENT, EPA 833-B-92-001" AND GUIDANCE DOCUMENTS THAT MAY BE PREPARED BY THE EPD.

1. SAMPLE CONTAINERS SHOULD BE LABELED PRIOR TO COLLECTING THE SAMPLES.
2. SAMPLES SHOULD BE WELL MIXED BEFORE TRANSFERRING TO A SECONDARY CONTAINER.
3. LARGE MOUTH, WELL CLEANED AND RINSED GLASS OR PLASTIC JARS SHOULD BE USED FOR COLLECTING SAMPLES. THE JARS SHOULD BE CLEANED THOROUGHLY TO AVOID CONTAMINATION.
4. MANUAL, AUTOMATIC OR RISING STAGE SAMPLING MAY BE UTILIZED. SAMPLES REQUIRED BY THIS PERMIT SHOULD BE ANALYZED IMMEDIATELY, BUT IN NO CASE LATER THAN 48 HOURS AFTER COLLECTION. HOWEVER, SAMPLES FROM AUTOMATIC SAMPLERS MUST BE COLLECTED NO LATER THAN THE NEXT BUSINESS DAY AFTER THEIR ACCUMULATION, UNLESS FLOW THROUGH AUTOMATED ANALYSIS IS UTILIZED. IF AUTOMATIC SAMPLING IS UTILIZED AND THE AUTOMATIC SAMPLER IS NOT ACTIVATED DURING THE QUALIFYING EVENT, THE PERMITTEE MUST UTILIZE MANUAL SAMPLING OR RISING STAGE SAMPLING DURING THE NEXT QUALIFYING EVENT. DILUTION OF SAMPLES IS NOT REQUIRED. SAMPLES MAY BE ANALYZED DIRECTLY WITH A PROPERLY CALIBRATED TURBIDIMETER. SAMPLES ARE NOT REQUIRED TO BE COOLED.
5. SAMPLING AND ANALYSIS OF THE RECEIVING WATER(S) OR OUTFALLS BEYOND THE MINIMUM FREQUENCY STATED IN THIS PERMIT MUST BE REPORTED TO EPD AS SPECIFIED IN PART IV.E.

C. SAMPLING POINTS

1. FOR CONSTRUCTION ACTIVITIES THE PRIMARY PERMITTEE MUST SAMPLE ALL PERENNIAL AND INTERMITTENT STREAMS AND OTHER WATER BODIES SHOWN ON THE USGS TOPOGRAPHIC MAP AND ALL OTHER FIELD VERIFIED PERENNIAL AND INTERMITTENT STREAMS AND OTHER WATER BODIES, OR ALL OUTFALLS INTO SUCH STREAMS AND OTHER WATER BODIES, OR A COMBINATION THEREOF. HOWEVER, PROVIDED FOR IN AND IN ACCORDANCE WITH PART IV.D.6.C(2) OF THIS PERMIT, PRIMARY PERMITTEES ON AN INFRASTRUCTURE CONSTRUCTION PROJECT MAY SAMPLE THE REPRESENTATIVE PERENNIAL AND INTERMITTENT STREAMS, OTHER WATER BODIES OR OUTFALLS, OR A COMBINATION THEREOF. SAMPLES TAKEN FOR THE PURPOSE OF COMPLIANCE WITH THIS PERMIT SHALL BE REPRESENTATIVE OF THE MONITORED ACTIVITY AND REPRESENTATIVE OF THE WATER QUALITY OF THE RECEIVING WATER(S) AND/OR THE STORM WATER OUTFALLS USING THE FOLLOWING MINIMUM GUIDELINES:

- A. THE UPSTREAM SAMPLE FOR EACH RECEIVING WATER(S) MUST BE TAKEN IMMEDIATELY UPSTREAM OF THE CONFLUENCE OF THE FIRST STORM WATER DISCHARGE FROM THE PERMITTED ACTIVITY (I.E., THE DISCHARGE FARTHEST UPSTREAM AT THE SITE) BUT DOWNSTREAM OF ANY OTHER STORM WATER DISCHARGE NOT ASSOCIATED WITH THE PERMITTED ACTIVITY, WHERE APPROPRIATE. SEVERAL UPSTREAM SAMPLES FROM ACROSS THE RECEIVING WATER(S) MAY NEED TO BE TAKEN AND THE ARITHMETIC AVERAGE OF THE TURBIDITY OF THESE SAMPLES USED FOR THE UPSTREAM TURBIDITY VALUE.
- B. DOWNSTREAM SAMPLE FOR EACH RECEIVING WATER(S) MUST BE TAKEN DOWNSTREAM OF THE CONFLUENCE OF THE LAST STORM WATER DISCHARGE FROM THE PERMITTED ACTIVITY (I.E., THE DISCHARGE FARTHEST DOWNSTREAM AT THE SITE) BUT UPSTREAM OF ANY OTHER STORM WATER DISCHARGE NOT ASSOCIATED WITH THE PERMITTED ACTIVITY, WHERE APPROPRIATE. SEVERAL DOWNSTREAM SAMPLES FROM ACROSS THE RECEIVING WATER(S) MAY NEED TO BE TAKEN AND THE ARITHMETIC AVERAGE OF THE TURBIDITY OF THESE SAMPLES USED FOR THE DOWNSTREAM TURBIDITY VALUE.
- C. IDEALLY THE SAMPLES SHOULD BE TAKEN FROM THE HORIZONTAL AND VERTICAL CENTER OF THE RECEIVING WATER(S) OR THE STORM WATER OUTFALL CHANNEL(S)
- D. CARE SHOULD BE TAKEN TO AVOID STIRRING THE BOTTOM SEDIMENTS IN THE RECEIVING WATER(S) OR IN THE OUTFALL STORM WATER CHANNEL.
- E. THE SAMPLING CONTAINER SHOULD BE HELD SO THAT THE OPENING FACES UPSTREAM.
- F. THE SAMPLES SHOULD BE KEPT FREE FROM FLOATING DEBRIS.
- G. PERMITTEES DO NOT HAVE TO SAMPLE SHEETFLOW THAT FLOWS ONTO UNDISTURBED NATURAL AREAS OR AREAS STABILIZED BY THE PROJECT. FOR PURPOSES OF THIS SECTION, STABILIZED SHALL MEAN, FOR UNPAVED AREAS AND AREA NOT COVERED BY PERMANENT STRUCTURES, 100% OF THE SOIL SURFACE IS UNIFORMLY COVERED IN PERMANENT VEGETATION WITH A DENSITY OF 70% OR GREATER, OR LANDSCAPED ACCORDING TO THE PLAN (UNIFORMLY COVERED WITH LANDSCAPING MATERIALS IN PLANNED LANDSCAPED AREAS), OR EQUIVALENT PERMANENT STABILIZATION MEASURES AS DEFINED IN THE MANUAL (EXCLUDING A CROP OF ANNUAL VEGETATION AND A SEEDING OF TARGET CROP PERENNIALS APPROPRIATE FOR THE REGION), FOR INFRASTRUCTURE CONSTRUCTION PROJECTS ON LAND USED FOR AGRICULTURE OR SILVICULTURAL PURPOSES, FINAL STABILIZATION MAY BE ACCOMPLISHED BY STABILIZING THE DISTURBED LAND FOR ITS AGRICULTURAL OR SILVICULTURAL USE.
- H. ALL SAMPLING PURSUANT TO THIS PERMIT MUST BE DONE IN SUCH A WAY (INCLUDING GENERALLY ACCEPTED SAMPLING METHODS, LOCATIONS, TIMING, AND FREQUENCY) AS TO ACCURATELY REFLECT WHETHER STORM WATER RUNOFF FROM THE CONSTRUCTION SITE IS IN COMPLIANCE WITH THE STANDARD SET FORTH IN PARTS III.D.3. OR III.D.4., WHICHEVER IS APPLICABLE.

2. FOR INFRASTRUCTURE CONSTRUCTION PROJECTS, THE PERMITTEE IS NOT REQUIRED TO SAMPLE A PERENNIAL OR INTERMITTENT STREAM OR OTHER WATER BODIES (OR THE ASSOCIATED OUTFALL, IF APPLICABLE) IF THE DESIGN PROFESSIONAL PREPARING THE PLAN CERTIFIES THAT AN INCREASE IN THE TURBIDITY OF A SPECIFIC IDENTIFIED RECEIVING WATER TO BE SAMPLED WILL BE REPRESENTATIVE OF THE INCREASE IN THE TURBIDITY OF A SPECIFIC IDENTIFIED UN-SAMPLED RECEIVING WATER. A WRITTEN JUSTIFICATION AND DETAILED ANALYSIS SHALL BE PREPARED BY THE DESIGN PROFESSIONAL JUSTIFYING SUCH PROPOSED SAMPLING. A SUMMARY CHART OF THE JUSTIFICATION AND ANALYSIS FOR THE REPRESENTATIVE SAMPLING MUST BE INCLUDED ON THE PLAN. THE JUSTIFICATION AND ANALYSIS SHALL INCLUDE THE LOCATION AND DESCRIPTION OF THE SPECIFIED SAMPLED AND UN-SAMPLED RECEIVING WATER AND SHALL CONTAIN A DETAILED COMPARISON AND DISCUSSION OF EACH SUCH RECEIVING WATER IN THE FOLLOWING AREAS:

- A. SITE LAND DISTURBANCES AND CHARACTERISTICS;
 - B. RECEIVING WATER WATERSHED SIZES AND CHARACTERISTICS; AND
 - C. SITE AND WATERSHED RUNOFF CHARACTERISTICS UTILIZING THE METHODS IN APPENDIX A-1 (UNITED STATES DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE'S TR-55, URBAN HYDROLOGY FOR SMALL WATERSHEDS) OF THE MOST RECENT VERSION OF THE "MANUAL FOR EROSION AND SEDIMENTATION CONTROL IN GEORGIA" FOR THE VARIOUS CONSTRUCTION EVENTS AND ANY OTHER SUCH CONSIDERATIONS NECESSARY TO SHOW THAT THE INCREASE IN THE TURBIDITY OF A SPECIFIC IDENTIFIED SAMPLED RECEIVING WATER WILL BE REPRESENTATIVE OF THE INCREASES IN THE TURBIDITY OF A SPECIFIC IDENTIFIED UN-SAMPLED RECEIVING WATERS.
3. FOR INFRASTRUCTURE CONSTRUCTION PROJECTS, WHEN THE PERMITTEE DETERMINES THAT SOME RECEIVING WATER(S) WILL NOT BE SAMPLED DUE TO REPRESENTATIVE SAMPLING, THE DESIGN PROFESSIONAL MAKING THIS DETERMINATION AND PREPARING THE PLAN MUST INCLUDE AND SIGN THE FOLLOWING CERTIFICATION IN THE PLAN:

"I CERTIFY THAT THE PERMITTEE'S EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN PROVIDES FOR THE MONITORING OF: (A) ALL PERENNIAL AND INTERMITTENT STREAMS AND OTHER WATER BODIES SHOWN ON THE USGS TOPOGRAPHIC MAP AND ALL OTHER FIELD VERIFIED PERENNIAL AND INTERMITTENT STREAMS AND OTHER WATER BODIES, OR (B) WHERE ANY SUCH SPECIFIC IDENTIFIED PERENNIAL OR INTERMITTENT STREAM AND OTHER WATER BODY IS NOT PROPOSED TO BE SAMPLED, I HAVE DETERMINED IN MY PROFESSIONAL JUDGEMENT, UTILIZING THE FACTORS REQUIRED IN THE GENERAL NPDES PERMIT NO. GAR 1000001, THAT THE INCREASE IN THE TURBIDITY OF EACH SPECIFIC IDENTIFIED SAMPLED RECEIVING WATER WILL BE REPRESENTATIVE OF THE INCREASE IN THE TURBIDITY OF A SPECIFIC IDENTIFIED UN-SAMPLED RECEIVING WATER."

4. FOR INFRASTRUCTURE CONSTRUCTION PROJECTS, IF AT ANY TIME DURING THE LIFE OF THE PROJECT A SELECTED RECEIVING WATER NO LONGER REPRESENTS ANOTHER RECEIVING WATER, THEN THE PERMITTEE SHALL SAMPLE THE LATTER RECEIVING WATER UNTIL SELECTION OF AN ALTERNATIVE REPRESENTATIVE RECEIVING WATER.

5. FOR INFRASTRUCTURE CONSTRUCTION PROJECTS, IF AT ANY TIME DURING THE LIFE OF THE PROJECT A RECEIVING WATER IS DETERMINED NOT TO BE REPRESENTED AS CERTIFIED IN THE PLAN, THE PERMITTEE SHALL SAMPLE THAT RECEIVING WATER UNTIL A NOTICE OF TERMINATION IS SUBMITTED OR UNTIL THE APPLICABLE PHASE IS STABILIZED IN ACCORDANCE WITH THIS PERMIT.

6. FOR INFRASTRUCTURE CONSTRUCTION PROJECTS, MONITORING OBLIGATIONS SHALL CEASE FOR ANY PHASE OF THE PROJECT THAT HAS BEEN STABILIZED IN ACCORDANCE WITH PART IV.D.6.C.(1),(G)

D. SAMPLING FREQUENCY

1. THE PRIMARY PERMITTEE MUST SAMPLE IN ACCORDANCE WITH THE PLAN AT LEAST ONCE FOR EACH RAINFALL EVENT DESCRIBED BELOW. FOR A QUALIFYING EVENT, THE PERMITTEE SHALL SAMPLE AT THE BEGINNING OF A STORM WATER DISCHARGE TO A MONITORED RECEIVING WATER AND/OR FROM A MONITORED OUTFALL LOCATION WITHIN FORTY-FIVE (45) MINUTES OR AS SOON AS POSSIBLE.
2. HOWEVER, WHERE MANUAL AND AUTOMATIC SAMPLING ARE IMPOSSIBLE (AS DEFINED IN THIS PERMIT), OR ARE BEYOND THE PERMITTEE'S CONTROL, THE PERMITTEE SHALL TAKE SAMPLES AS SOON AS POSSIBLE, BUT IN NO CASE MORE THAN TWELVE (12) HOURS AFTER THE BEGINNING OF THE STORM WATER DISCHARGE.
3. SAMPLING BY THE PERMITTEE SHALL OCCUR FOR THE FOLLOWING QUALIFYING EVENTS:
 - A. FOR EACH AREA OF THE SITE THAT DISCHARGES TO A RECEIVING WATER OR FROM AN OUTFALL, THE FIRST RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH WITH A STORM WATER DISCHARGE THAT OCCURS DURING NORMAL BUSINESS HOURS AS DEFINED IN THIS PERMIT, AFTER ALL CLEARING AND GRUBBING OPERATIONS HAVE BEEN COMPLETED, BUT PRIOR TO COMPLETION OF MASS GRADING OPERATIONS, IN THE DRAINAGE AREA OF THE LOCATION SELECTED AS THE REPRESENTATIVE SAMPLING LOCATION;

ITEM # 31

SAMPLING REQUIREMENTS (CONT.)

B. IN ADDITION TO (A) ABOVE, FOR EACH AREA OF THE SITE THAT DISCHARGES TO A RECEIVING WATER OR FROM AN OUTFALL, THE FIRST RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH WITH A STORM WATER DISCHARGE THAT OCCURS DURING NORMAL BUSINESS HOURS AS DEFINED IN THIS PERMIT EITHER 90 DAYS AFTER THE FIRST SAMPLING EVENT OR AFTER ALL MASS GRADING OPERATIONS HAVE BEEN COMPLETED, BUT PRIOR TO SUBMITTAL OF A NOT, IN THE DRAINAGE AREA OF THE LOCATION SELECTED AS THE REPRESENTATIVE SAMPLING LOCATION, WHICHEVER COMES FIRST.

- C. AT THE TIME OF SAMPLING PERFORMED PURSUANT TO (A) AND (B) ABOVE, IF BMPs IN ANY AREA OF THE SITE THAT DISCHARGES TO A RECEIVING WATER OR FROM AN OUTFALL ARE NOT PROPERLY DESIGNED, INSTALLED AND MAINTAINED, CORRECTIVE ACTION SHALL BE DEFINED AND IMPLEMENTED WITHIN TWO (2) BUSINESS DAYS, AND TURBIDITY SAMPLES SHALL BE TAKEN FROM DISCHARGES FROM THAT AREA OF THE SITE FOR EACH SUBSEQUENT RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH DURING NORMAL BUSINESS HOURS UNTIL THE SELECTED TURBIDITY STANDARD IS ATTAINED, OR UNTIL POST-STORM EVENT INSPECTIONS DETERMINE THAT BMPs ARE PROPERLY DESIGNED, INSTALLED AND MAINTAINED.
- D. WHERE SAMPLING PURSUANT TO (A), (B) OR (C) ABOVE IS REQUIRED BUT NOT POSSIBLE (OR NOT REQUIRED BECAUSE THERE WAS NO DISCHARGE), THE PERMITTEE, IN ACCORDANCE WITH PART IV.D.4.A.(6), MUST INCLUDE A WRITTEN JUSTIFICATION IN THE INSPECTION REPORT OF WHY SAMPLING WAS NOT PERFORMED. PROVIDING THIS JUSTIFICATION DOES NOT RELIEVE THE PERMITTEE OF ANY SUBSEQUENT SAMPLING OBLIGATIONS UNDER (A), (B) OR (C) ABOVE; AND
- E. EXISTING CONSTRUCTION ACTIVITIES, I.E., THOSE THAT ARE OCCURRING ON OR BEFORE THE EFFECTIVE DATE OF THIS PERMIT, THAT HAVE MET THE SAMPLING REQUIRED BY (A) ABOVE SHALL SAMPLE IN ACCORDANCE WITH (B), THOSE EXISTING CONSTRUCTION ACTIVITIES THAT HAVE MET THE SAMPLING REQUIRED BY (B) ABOVE SHALL NOT BE REQUIRED TO CONDUCT ADDITIONAL SAMPLING OTHER THAN AS REQUIRED BY (C) ABOVE.

"NOTE THAT THE PERMITTEE MAY CHOOSE TO MEET THE REQUIREMENTS OF (A) AND (B) ABOVE BY COLLECTING TURBIDITY SAMPLES FROM ANY RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCHES AND ALLOWS FOR SAMPLING AT ANY TIME OF THE DAY OR WEEK.

NON-STORMWATER DISCHARGES. EXCEPT FOR FLOWS FROM FIRE FIGHTING ACTIVITIES, SOURCES OF NON-STORM WATER LISTED IN PART III.A.2. OF THIS PERMIT THAT ARE COMBINED WITH STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY MUST BE IDENTIFIED IN THE PLAN. THE PLAN SHALL IDENTIFY AND ENSURE THE IMPLEMENTATION OF APPROPRIATE POLLUTION PREVENTION MEASURES FOR THE NON-STORM WATER COMPONENT(S) OF THE DISCHARGE.

REPORTING

1. THE APPLICABLE PERMITTEES ARE REQUIRED TO SUBMIT THE SAMPLING RESULTS TO THE EPD AT THE ADDRESS SHOWN IN PART II.C BY THE FIFTEENTH DAY OF THE MONTH FOLLOWING THE REPORTING PERIOD. REPORTING PERIODS ARE MONTHS DURING WHICH SAMPLES ARE TAKEN IN ACCORDANCE WITH THIS PERMIT. SAMPLING RESULTS SHALL BE IN A CLEARLY LEGIBLE FORMAT. UPON WRITTEN NOTIFICATION, EPD MAY REQUIRE THE APPLICABLE PERMITTEE TO SUBMIT THE SAMPLING RESULTS ON A MORE FREQUENT BASIS. SAMPLING AND ANALYSIS OF ANY STORM WATER DISCHARGE(S) OR THE RECEIVING WATER(S) BEYOND THE MINIMUM FREQUENCY STATED IN THIS PERMIT MUST BE REPORTED IN A SIMILAR MANNER TO THE EPD. THE SAMPLING REPORTS MUST BE SIGNED IN ACCORDANCE WITH PART V.G.2. SAMPLING REPORTS MUST BE SUBMITTED TO EPD USING THE ELECTRONIC SUBMITTAL SERVICE PROVIDED BY EPD. SAMPLING REPORTS MUST BE SUBMITTED TO EPD UNTIL SUCH TIME AS A NOT IS SUBMITTED IN ACCORDANCE WITH PART VI.
2. ALL SAMPLING REPORTS SHALL INCLUDE THE FOLLOWING INFORMATION:
 - A. THE RAINFALL AMOUNT, DATE, EXACT PLACE AND TIME OF SAMPLING OR MEASUREMENTS;
 - B. THE NAME(S) OF THE CERTIFIED PERSONNEL WHO PERFORMED THE SAMPLING AND MEASUREMENTS;
 - C. THE DATE(S) ANALYSES WERE PERFORMED;
 - D. THE TIME(S) ANALYSES WERE INITIATED;
 - E. THE NAME(S) OF THE CERTIFIED PERSONNEL WHO PERFORMED THE ANALYSES;
 - F. REFERENCES AND WRITTEN PROCEDURES, WHEN AVAILABLE, FOR THE ANALYTICAL TECHNIQUES OR METHODS USED;
 - G. THE RESULTS OF SUCH ANALYSES, INCLUDING THE BENCH SHEETS, INSTRUMENT READOUTS, COMPUTER DISKS OR TAPES, ETC., USED TO DETERMINE THESE RESULTS.
 - H. RESULTS WHICH EXCEED 1000 NTU SHALL BE REPORTED AS "EXCEEDS 1000 NTU;" AND
 - I. CERTIFICATION STATEMENT THAT SAMPLING WAS CONDUCTED AS PER THE PLAN.
3. ALL WRITTEN CORRESPONDENCE REQUIRED BY THIS PERMIT SHALL BE SUBMITTED BY RETURN RECEIPT CERTIFIED MAIL (OR SIMILAR SERVICE) TO THE APPROPRIATE DISTRICT OFFICE OF THE EPD ACCORDING TO THE SCHEDULE IN APPENDIX A OF THIS PERMIT. THE PERMITTEE SHALL RETAIN A COPY OF THE PROOF OF SUBMITTAL AT THE CONSTRUCTION SITE OR THE PROOF OF SUBMITTAL SHALL BE READILY AVAILABLE AT A DESIGNATED LOCATION FROM COMMENCEMENT OF CONSTRUCTION UNTIL SUCH TIME AS A NOT IS SUBMITTED IN ACCORDANCE WITH PART VI.

ITEM # 32

RETENTION OF RECORDS

1. THE PRIMARY PERMITTEE SHALL RETAIN THE FOLLOWING RECORDS AT THE CONSTRUCTION SITE OR THE RECORDS SHALL BE READILY AVAILABLE AT A DESIGNATED ALTERNATE LOCATION FROM COMMENCEMENT OF CONSTRUCTION UNTIL SUCH TIME AS A NOT IS SUBMITTED IN ACCORDANCE WITH PART VI:
 - A. A COPY OF ALL NOTICES OF INTENT SUBMITTED TO EPD;
 - B. A COPY OF THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN REQUIRED BY THIS PERMIT;
 - C. THE DESIGN PROFESSIONAL'S REPORT OF THE RESULTS OF THE INSPECTION CONDUCTED IN ACCORDANCE WITH PART IV.A.5. OF THIS PERMIT.
 - D. A COPY OF ALL SAMPLING INFORMATION, RESULTS, AND REPORTS REQUIRED BY THIS PERMIT;
 - E. A COPY OF ALL INSPECTION REPORTS GENERATED IN ACCORDANCE WITH PART IV.D.4.A. OF THIS PERMIT;
 - F. A COPY OF ALL VIOLATION SUMMARIES AND VIOLATION SUMMARY REPORTS GENERATED IN ACCORDANCE WITH PART III.D.2. OF THIS PERMIT; AND
 - G. DAILY RAINFALL INFORMATION COLLECTED IN ACCORDANCE WITH PART IV.D.4.A.(2), OF THIS PERMIT.
2. COPIES OF ALL NOTICES OF INTENT, NOTICES OF TERMINATION, INSPECTION REPORTS, SAMPLING REPORTS (INCLUDING ALL CALIBRATION AND MAINTENANCE RECORDS AND ALL ORIGINAL STRIP CHART RECORDINGS FOR CONTINUOUS MONITORING INSTRUMENTATION), OR OTHER REPORTS REQUESTED BY THE EPD, EROSION, SEDIMENTATION AND POLLUTION CONTROL PLANS, RECORDS OF ALL DATA USED TO COMPLETE THE NOTICE OF INTENT TO BE COVERED BY THIS PERMIT AND ALL OTHER RECORDS REQUIRED BY THIS PERMIT SHALL BE RETAINED BY THE PERMITTEE WHO EITHER PRODUCED OR USED IT FOR A PERIOD OF AT LEAST THREE YEARS FROM THE DATE THAT THE NOT IS SUBMITTED IN ACCORDANCE WITH PART VI OF THIS PERMIT. THESE RECORDS MUST BE MAINTAINED AT THE PERMITTEE'S PRIMARY PLACE OF BUSINESS OR AT A DESIGNATED ALTERNATIVE LOCATION ONCE THE CONSTRUCTION ACTIVITY HAS CEASED AT THE PERMITTED SITE. THIS PERIOD MAY BE EXTENDED BY REQUEST OF THE EPD AT ANY TIME UPON WRITTEN NOTIFICATION TO THE PERMITTEE.

APPENDIX B - NTU VALUE

1. THE SURFACE WATER DRAINAGE AREA IS LESS THAN 5 MILES FOR THE SITE AND THE SITE SIZE IS UNDER 10 ACRES. THIS SITE DRAINS TO WARM WATERS. THEREFORE, THE NTU VALUE FOR THE SITE IS 75. UPSTREAM AND DOWNSTREAM SAMPLING: NTU CANNOT INCREASE MORE THAN 25.

APPENDIX B: NEPHELOMETRIC TURBIDITY UNITS (NTU) TABLE		WARM WATER (SUPPORTING WARM WATER FISHERIES)						
ITEM #	SURFACE WATER DRAINAGE AREA, SQUARE MILES							
	0-4.99	5-9.99	10-24.99	25-49.99	50-99.99	100-249.99	250-499.99	500+
34	1.00-10	75	150	200	400	750	750	750
	10.01-25	50	100	100	200	300	500	750
	25.01-50	50	50	100	100	200	300	750
	50.01-100	50	50	150	100	100	150	600
	100.01+	50	50	50	50	50	100	100

Ds1

DISTURBED AREA STABILIZATION (WITH MULCHING ONLY) ESTABLISHING TEMPORARY PROTECTION FOR DISTURBED AREAS WHERE SEEDINGS MAY NOT HAVE A SUITABLE GROWING SEASON TO PRODUCE AN EROSION RETARDING COVER.

Ds2

TEMPORARY

Ds3

PERMANENT

RATES PER 1,000 SQUARE FEET

AREA	SOWING SEASON	SPECIES	SEED	FERTILIZER	LIMESTONE	MAINTENANCE	MULCH
FLAT TO ROLLING TERRAIN WITH SLOPES LESS THAN 3:1	8/1 - 4/1 4/1 - 9/1	RYEGRASS SUNDANGRASS	4.0 LBS. 1.4 LBS.	12 LBS. (10-10-10) 12 LBS. (10-10-10)	92 LBS. 92 LBS.	7 LBS. (10-10-10) 7 LBS. (10-10-10)	115 LBS. 115 LBS.
EMBANKMENTS WITH SLOPES GREATER THAN 3:1	3/15 - 6/15	WEeping LOVEGRASS	0.1 LB.	12 LBS. (10-10-10)	92 LBS.	7 LBS. (10-10-10)	115 LBS.
FLAT TO ROLLING TERRAIN WITH SLOPES LESS THAN 3:1	3/1 - 6/15 8/15 - 10/30	COMMON BERMUDA (HULLED SEED) FESCUE, TALL	1.4 LBS. 0.05 LBS. 1.1 LBS.	35 LBS. (6-12-12) 35 LBS. (6-12-12)	92 LBS. 92 LBS.	10 LBS. (10-10-10) 10 LBS. (10-10-10)	115 LBS. 115 LBS.
EMBANKMENTS WITH SLOPES GREATER THAN 3:1	3/1 - 6/30 9/1 - 3/30	COMMON BERMUDA (HULLED SEED) *LESPEDEZA SERICEA	0.2 LB. 1.7 LBS.	35 LBS. (6-12-12) 35 LBS. (6-12-12)	92 LBS. 92 LBS.	10 LBS. (10-10-10) 10 LBS. (10-10-10)	115 LBS. 115 LBS.

THE PROJECT SITE IS LOCATED IN THE PIEDMONT REGION.

SEEDING REQUIREMENTS

EROSION CONTROL CERTIFICATION:

"I CERTIFY THAT THE PERMITTEE'S EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN PROVIDES FOR THE MONITORING OF: (A) ALL PERENNIAL AND INTERMITTENT STREAMS AND OTHER WATER BODIES SHOWN ON THE USGS TOPOGRAPHIC MAP AND ALL OTHER FIELD VERIFIED PERENNIAL AND INTERMITTENT STREAMS AND OTHER WATER BODIES, OR (B) WHERE ANY SUCH SPECIFIC IDENTIFIED PERENNIAL OR INTERMITTENT STREAM AND OTHER WATER BODY IS NOT PROPOSED TO BE SAMPLED, I HAVE DETERMINED IN MY PROFESSIONAL JUDGMENT, UTILIZING THE FACTORS REQUIRED IN THE GENERAL NPDES PERMIT NO. GAR100001, THAT THE INCREASE IN THE TURBIDITY OF EACH SPECIFIC IDENTIFIED SAMPLED RECEIVING WATER WILL BE REPRESENTATIVE OF THE INCREASE IN THE TURBIDITY OF A SPECIFIC IDENTIFIED UN-SAMPLED RECEIVING WATER."

DESIGN PROFESSIONAL

DESIGN PROFESSIONAL 7-DAY VISIT CERTIFICATION

DATE OF INSPECTION: _____

I CERTIFY THE SITE WAS IN COMPLIANCE WITH THE ES&PC PLAN ON THE DATE OF INSPECTION

GSWCC LEVEL II DESIGN CERTIFICATION # _____

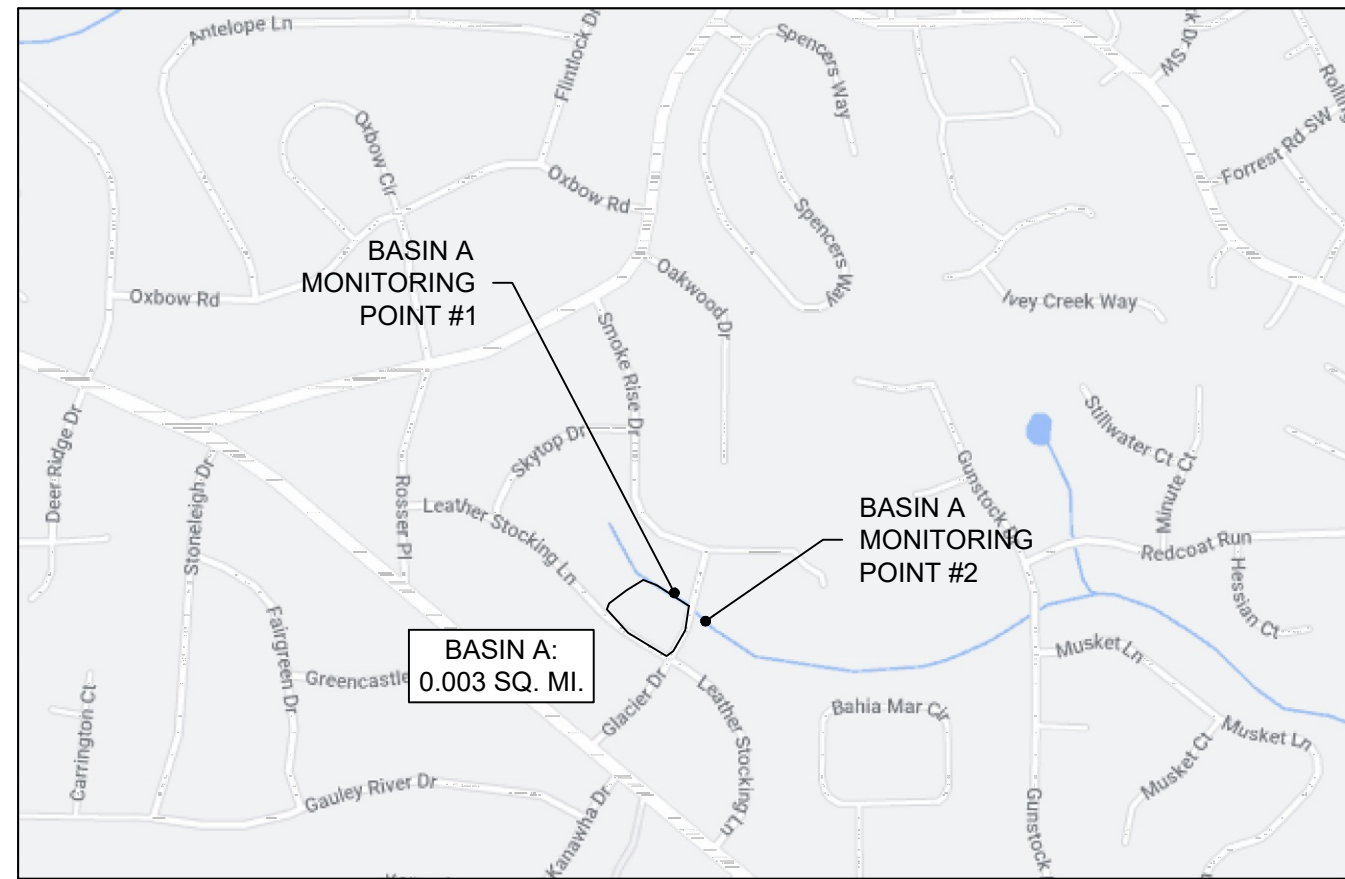
INSPECTION REVEALED THE FOLLOWING DISCREPANCIES FROM THE ES&PC PLAN:

THESE DEFICIENCIES MUST BE ADDRESSED IMMEDIATELY AND A RE-INSPECTION SCHEDULED. WORK SHALL NOT PROCEED ON THE SITE UNTIL DESIGN PROFESSIONAL CERTIFICATION IS OBTAINED

ITEM # 2 EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN CERTIFICATION:

THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLANS FOR THE CITY OF TUCKER, GA ROSENFELD PARK IMPROVEMENTS WERE DEVELOPED UNDER THE DIRECT SUPERVISION OF CHARLES A. SHELTON, GSWCC LEVEL II CERTIFIED DESIGN PROFESSIONAL, CERTIFICATION NO. 0000074473.

SYMBOL	ITEM #	SOIL TYPE	SLOPE %
Ca	47	CARTECAY SILT LOAM	
CuC		CECIL-URBAN LAND COMPLEX	2 TO 10
PuE		PACOLET-URBAN LAND COMPLEX	10 TO 25



DRAINAGE AREA

N.T.S.

DESCRIPTION OF APPROPRIATE CONTROL AND MEASURES FOR EACH PHASE

- PHASE 1 CONSISTS OF INSTALLING SILT FENCE, INLET SEDIMENT TRAPS, TEMPORARY SEDIMENT TRAPS, DIVERSION CHANNELS, AND A CONSTRUCTION EXIT.
- PHASE 2 CONSISTS OF INSTALLING INLET SEDIMENT TRAPS, MULCHING, SLOPE STABILIZATION, AND TEMPORARY SEEDING.
- PHASE 3 CONSISTS OF INSTALLING PERMANENT GRASSING, SOD, AND SLOPE STABILIZATION. UPON FINAL STABILIZATION, THE BIOTRENTATION POND SHOULD BE INSTALLED.

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NO.	DATE	REVISION
	05/18/2026	Issued for Bidding

Rosenfeld Park Improvements
2088 Glacier Drive
Tucker, Georgia
ESPCP NOTES

THIS BAR IS 1 INCH LONG PLOTTED FULL SCALE

Project Manager: Adam Shelton, P.E.

Drawn By: KR Checked By: BF

Date: 05/18/2026

Scale: As Shown

Project No.: 220238

Drawing No.: EC-0.2

EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST
STAND ALONE CONSTRUCTION PROJECTS GAR100001

SWCD: DEKALB COUNTY

Project Name: **ROSENFELD PARK IMPROVEMENTS** Address: **2088 GLACIER DRIVE**
Local Issuing Authority: **CITY OF TUCKER/DEKALB COUNTY** Date on Plans: **06/14/2024**
Name & email of person filling out checklist: **Adam Shelton**, ashelton@keckwood.com

Plan Included:
Dwg# Y/N:

EC-0.4 Y

EC-0.1 Y

N/A N

EC-0.1 Y

EC-0.1 Y

EC-0.1 Y

EC-0.1 Y

EC-0.1 Y

EC-0.1 Y

EC-0.1 Y

EC-0.2 Y

EC-0.1 Y

EC-0.2 Y

EC-0.2 Y

EC-0.1 Y

EC-1.1 Y

EC-0.1 Y

EC-0.1 Y

EC-0.1 Y

EC-0.1 Y

EC-0.1 Y

N/A N

N/A N

EC-0.1 Y

EC-0.1 Y

EC-0.2 Y

EC-0.1 Y

EC-0.2 Y

EC-0.3 Y

Plan Included:
Dwg# Y/N:

EC-0.1 Y

EC-0.2 Y

EC-0.2 Y

EC-0.2 Y

EC-0.2 Y

EC-0.2 Y

EC-0.2 Y

EC-1.0-EC-1.2 Y

EC-1.0-EC-1.2 Y

EC-1.1 Y

EC-1.1 Y

EC-1.0 Y

N/A N

HYDRO Y

HYDRO Y

HYDRO Y

EC-2.2 Y

EC-0.2 Y

EC-1.0-EC-1.2 Y

EC-1.0-EC-1.2 Y

EC-2.0-EC-2.2 Y

EC-0.3 Y

- The applicable Erosion, Sedimentation and Pollution Control Plan Checklist established by the Commission as of January 1 of the year in which the land-disturbing activity was permitted.
(The completed Checklist must be submitted with the ES&PC Plan or the Plan will not be reviewed. Permit IV.D.1 pg 27)
- Level II certification number issued by the Commission, signature and seal of the certified design professional.
Signature, seal and Level II number must be on each sheet pertaining to ES&PC Plan or the Plan will not be reviewed.
The Level II certification must be issued to the Design Professional, after completion of a GSWCC approve course, and whose signature are on the Plan.
- Limits of disturbance shall be less than 50 acres at any one time without prior written authorization from the EPD District Office. If EPD approves the request to disturb 50 acres or more at any one time, the plan must include at least 4 of the BMPs listed in Appendix 1 of this checklist.*
(A copy of the written approval by EPD must be attached to the plan for the Plan to be reviewed. Permit IV.D.3 pg 28)
- The name and phone number of the 24-hour local contact responsible for erosion, sedimentation and pollution controls.
- Provide the name, address, email address, and phone number of primary permittee.
- Note total and disturbed acreage of the project or phase under construction.
- Provide the GPS location of the construction exit for the site. Give the Latitude and Longitude in decimal degrees.
- Initial date of the Plan and the dates of any revisions made to the Plan including the entity who requested the revisions.
- Description of the nature of construction activity and existing site conditions.
- Provide vicinity map showing sites relation to surrounding areas. Include designation of specific phase, if necessary.
- Identify the project receiving waters and describe all sensitive adjacent areas including streams, lakes, residential areas, wetlands, marshlands, etc. which may be affected.
- Design professional's certification statement and signature that the site was visited prior to development of the ES&PC Plan as stated on Part IV page 19 of the permit.
- Design professional's certification statement and signature that the permittee's ES&PC Plan provides for an appropriate and comprehensive system of BMPs and sampling to meet permit requirements as stated on Part IV page 19 of the permit.*
- Clearly note the statement that "The design professional who prepared the ES&PC Plan is to inspect and certify the installation of the initial sediment storage requirements and perimeter control BMPs within 7 days after installation."
in accordance with Part IV.A.5 page 25 of the permit.*
- Clearly note the statement that "Non-exempt activities shall not be conducted within the 25 or 50-foot undisturbed stream buffers as measured from the point of wretched vegetation or within 25-feet of the coastal marshland buffer as measured from the Jurisdictional Determination Line without first acquiring the necessary variances and permits."
- Provide a description of any buffer encroachments and indicate whether a buffer variance is required.
- Clearly note the statement that "Amendments/revisions to the ES&PC Plan which have a significant effect on BMPs with a hydraulic component must be certified by the design professional."*
- Clearly note the statement that "Waste materials shall not be discharged to waters of the State, except as authorized by a section 404 permit."*
- Clearly note statement that "The escape of sediment from the site shall be prevented by the installation of erosion and sediment control measures and practices prior to land disturbing activities."
- Clearly note statement that "Erosion control measures will be maintained at all times. If full implementation of the approved Plan does not provide for effective erosion control, additional erosion and sediment control measures shall be implemented to control or treat the sediment source."
- Clearly note the statement "Any disturbed area left exposed for a period greater than 14 days shall be stabilized with mulch or temporary seeding."
- Any construction activity which discharges storm water into an Impaired Stream Segment, or within 1 linear mile upstream of and within the same watershed as, any portion of an Biota Impaired Stream Segment must comply with Part III. C. of the Permit. Include the completed Appendix 1 listing all the BMPs that will be used for those areas of the site which discharge to the Impaired Stream Segment.*
- If a TMDL Implementation Plan for sediment has been finalized for the Impaired Stream Segment (identified in item 22 above) at least six months prior to submittal of NOI, the ES&PC Plan must address any site-specific conditions or requirements included in the TMDL Implementation Plan.*
- BMPs for concrete washdown of tools, concrete mixer chutes, hoppers and the rear of the vehicles. Washout of the drum at the construction site is prohibited.*
- Provide BMPs for the remediation of all petroleum spills and leaks.
- Description of the measures that will be installed during the construction process to control pollutants in storm water that will occur after construction operations have been completed.*
- Description of practices to provide cover for building materials and building products on site.*
- Description of the practices that will be used to reduce the pollutants in storm water discharges.*
- Description and chart or timeline of the intended sequence of major activities which disturb soils for the major portions of the site (i.e., initial perimeter and sediment storage BMPs, clearing and grubbing activities, excavation activities, utility activities, temporary and final stabilization).

- Provide complete requirements of Inspections and record keeping by the Primary ermittee.*
- Provide complete requirements of Sampling Frequency and Reporting of sampling results.*
- Provide complete details for Retention of Records as per Part IV.F. of the permit.*
- Description of analytical methods to be used to collect and analyze the samples from each location.*
- Appendix B rationale for NTU values at all outfall sampling points where applicable.*
- Delineate all sampling locations on all phases of the Plan, and perennial and intermittent streams and other water bodies into which storm water is discharged.*
- A description of appropriate controls and measures that will be implemented at the construction site including: (1) initial sediment storage requirements and perimeter control BMPs, (2) intermediate grading and drainage BMPs, and (3) final BMPs. For construction sites where there will be no mass grading and the initial perimeter control BMPs, intermediate grading and drainage BMPs, and final BMPs are the same, the plan may combine all of the BMPs into a single phase.*
- Graphic scale and North arrow.
- Existing and proposed contour lines with contour lines drawn at an interval in accordance with the following:

Map Scale	Ground Slope	Contour Intervals, ft.
1 inch=100 ft or larger scale	Flat 0-2% Rolling 2-8% Steep 8%+	0.5 or 1 1 or 2 2, 5 or 10

- Use of alternative BMPs whose performance has been documented to be equivalent to or superior to conventional BMPs as certified by a Design Professional (unless disapproved by EPD or the Georgia Soil and Water Conservation Commission). Please refer to the Alternative BMP Guidance Document found at www.gaswcc.org.
- Use of alternative BMP for application to the Equivalent BMP List. Please refer to Appendix A-2 of the Manual for Erosion & Sediment Control in Georgia 2016 Edition.*
- Delineation of the applicable 25-foot or 50-foot undisturbed buffers adjacent to state waters and any additional buffers required by the Local Issuing Authority. Clearly note and delineate all areas of impact.
- Delineation of on-site wetlands and all state waters located on and within 200 feet of the project site.
- Delineation and acreage of contributing drainage basins on the project site.
- Provide hydrology study and maps of drainage basins for both the pre- and post-developed conditions.*
- An estimate of the runoff coefficient or peak discharge flow of the site prior to and after construction activities are completed. For solar farm projects, post-construction impervious area shall be calculated as 70% of total solar panel square footage.
- Storm-drain pipe and weir velocities with appropriate outlet protection to accommodate discharges without erosion. Identify/Delineate all storm water discharge points.
- Soil series for the project site and their delineation.
- The limits of disturbance for each phase of construction.
- Provide a minimum of 67 cubic yards of sediment storage per acre drained using a temporary sediment basin, retrofitted detention pond, and/or excavated inlet sediment traps for each common drainage location. Sediment storage volume must be in place prior to and during all land disturbance activities until final stabilization of the site has been achieved. A written justification explaining the decision to use equivalent controls when a sediment basin is not attainable must be included in the Plan for each common drainage location in which a sediment basin is not provided. A written justification as to why 67 cubic yards of storage is not attainable must also be given. Worksheets from the Manual included for structural BMPs and all calculations used by the storage design professional to obtain the required sediment when using equivalent controls. When discharging from sediment basins and impoundments, permittees are required to utilize outlet structures that withdraw water from the surface, unless infeasible. If outlet structures that withdraw water from the surface are not feasible, a written justification explaining this decision must be included in the plan.
- Location of Best Management Practices that are consistent with and no less stringent than the Manual for Erosion and Sediment Control in Georgia. Use uniform coding symbols from the Manual, Chapter 6, with legend.
- Provide detailed drawings for all structural practices. Specifications must, at a minimum, meet the guidelines set forth in the Manual for Erosion and Sediment Control in Georgia.
- Provide vegetative plan, noting all temporary and permanent vegetative practices. Include species, planting dates and seeding, fertilizer, lime and mulching rates. Vegetative plan shall be site specific for appropriate time of the year that seeding will take place and for the appropriate geographic region of Georgia.

*If using this checklist for a project that is less than 1 acre and not part of a common development but within 200 ft of a perennial stream the * checklist items would be N/A.

EFFECTIVE JANUARY 1, 2025

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	05/18/2026	Issued for Bidding

Rosenfeld Park Improvements
2088 Glacier Drive
Tucker, Georgia
ESPCP CHECKLIST

THIS BAR IS
1 INCH LONG
PLOTTED FULL SCALE

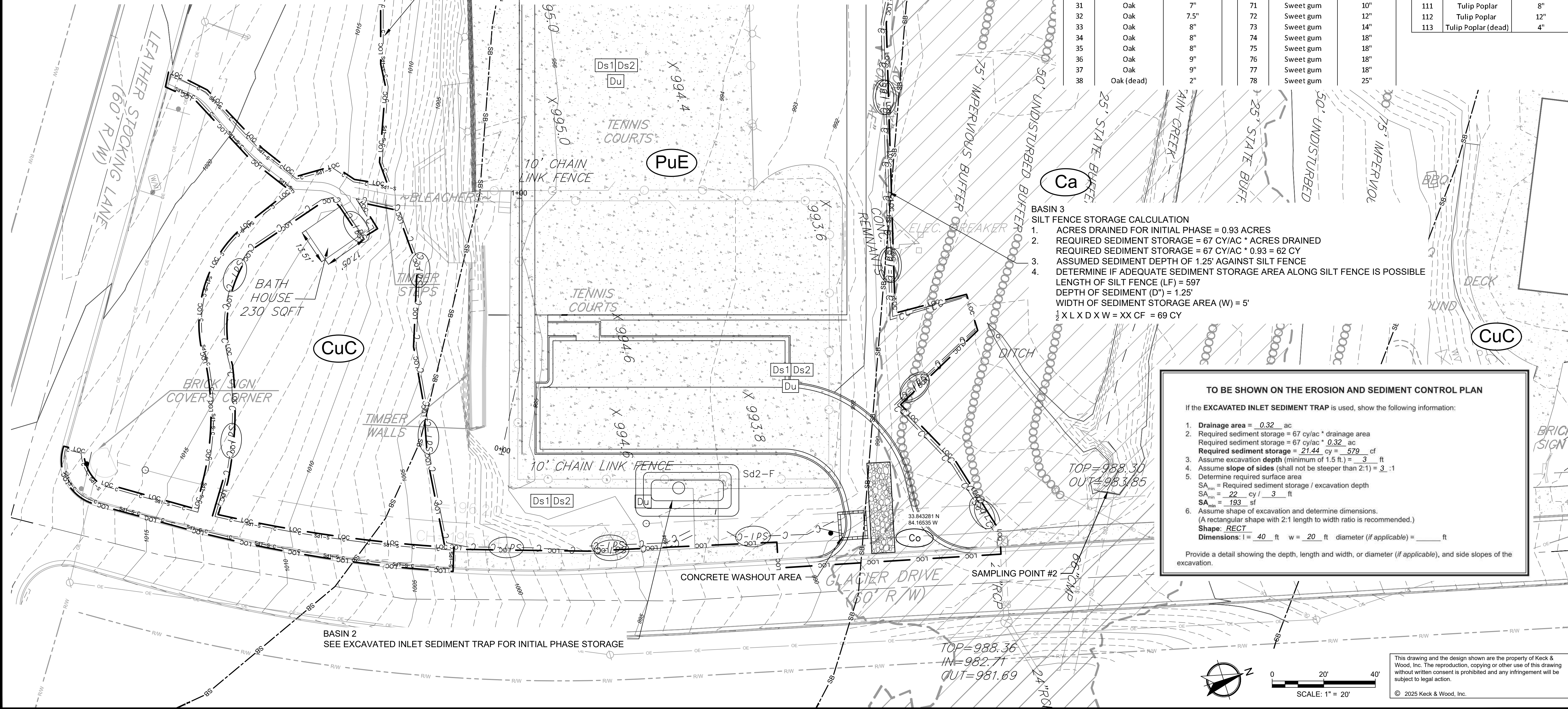
Project Manager:
Adam Shelton, P.E.
Drawn By: KR Checked By: BF
Date: 05/18/2026
Scale: As Shown

Project No.:
220238
Drawing No.:
EC-0.4

CHARLES A. SHELTON, P.E. - LEVEL II CERTIFICATION #0000074473

EROSION CONTROL GENERAL NOTES:

1. THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO LAND DISTURBING ACTIVITIES. EROSION CONTROL DEVICES MAY HAVE TO BE ALTERED FROM THAT SHOWN ON THE APPROVED PLANS IF DRAINAGE PATTERNS DURING CONSTRUCTION ARE DIFFERENT FROM THE FINAL PROPOSED DRAINAGE PATTERNS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ACCOMPLISH EROSION CONTROL FOR ALL DRAINAGE PATTERNS CREATED AT VARIOUS STAGES DURING CONSTRUCTION. ANY DIFFICULTY IN CONTROLLING EROSION DURING ANY PHASE OF CONSTRUCTION SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY.
2. EROSION AND SEDIMENTATION CONTROL MEASURES AND PRACTICES SHALL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION AND SEDIMENT CONTROL. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.
3. ALL EROSION AND SEDIMENT CONTROL MEASURES WILL BE CHECKED DAILY AND ANY DEFICIENCIES NOTES WILL BE CORRECTED BY THE END OF EACH DAY. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSTALLED IF DEEMED NECESSARY AFTER ON-SITE INSPECTION BY THE ISSUING AUTHORITY.
4. REMOVE ALL DEBRIS FROM THE PROJECT SITE AND DISPOSE OF IT IN A LEGAL MANNER. THIS DRAWING IS FOR EROSION CONTROL PURPOSES ONLY. PROVISIONS TO PREVENT EROSION OF THE SOIL OF THE SITE SHALL CONFORM TO THE REQUIREMENTS OF THE EROSION AND SEDIMENTATION ACT OF 1975 AS SHOWN HEREON AND STIPULATED IN THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" BY STATE SOIL AND WATER CONSERVATION COMMISSION. THE PROVISIONS IN THE MANUAL SHALL BE FOLLOWED AND INSTALLED IN A MANNER SO AS TO MINIMIZE EROSION OF THE DISTURBED AREAS AND PREVENT SEDIMENT FROM LEAVING THE SITE.
6. THE EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITIES TAKE PLACE AND SHALL BE MAINTAINED IN PROPER WORKING ORDER UNTIL ALL DISTURBED AREAS ARE STABILIZED AND PERMANENT VEGETATION HAS BEEN ESTABLISHED. THE EROSION CONTROL MEASURES DETAILED HERE ON SHALL BE CONTINUED UNTIL THE PERMANENT VEGETATION ON PLANTED GRADES AND SLOPES IS SUFFICIENTLY ESTABLISHED TO BE AN EFFECTIVE EROSION CONTROL DETERRENT. THE SEDIMENT REMOVED FROM THE CONTROL STRUCTURES SHALL BE EVENLY DISTURBED UPSTREAM OF EROSION CONTROL MEASURES. DISPOSED SEDIMENT SHALL BE PERMANENTLY GRASSED.
8. SILT FENCE SHALL BE PLACED DOWN GRADIENT OF ALL STOCKPILED SOIL OR BORROW AREAS AND ON ALL SLOPES THAT EXCEED 1.5:1.
9. ALL VEGETATIVE STABILIZATION SHALL BE ACCOMPLISHED AS SOON AS CONSTRUCTION PERMITS. IF LAND-DISTURBING ACTIVITIES CEASE FOR MORE THAN 14 DAYS, CONTRACTOR IS RESPONSIBLE FOR STABILIZING DISTURBED AREAS WITH TEMPORARY VEGETATION OR MULCH.
10. CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL MEASURES UNTIL PERMANENT VEGETATION HAS BEEN ESTABLISHED. CONTRACTOR SHALL INSPECT EROSION CONTROL MEASURES AT THE END OF EACH WORKING DAY TO ENSURE MEASURES ARE FUNCTIONING PROPERLY.



**BASIN 1
SILT FENCE STORAGE CALCULATION**

1. ACRES DRAINED FOR INITIAL PHASE = 0.68 ACRES
2. REQUIRED SEDIMENT STORAGE = 67 CY/AC * ACRES DRAINED
3. REQUIRED SEDIMENT STORAGE = 67 CY/AC * 0.68 = 45.56 CY
4. ASSUMED SEDIMENT DEPTH OF 1.25' AGAINST SILT FENCE
DETERMINE IF ADEQUATE SEDIMENT STORAGE AREA ALONG SILT FENCE IS POSSIBLE
LENGTH OF SILT FENCE (LF) = 637
DEPTH OF SEDIMENT (D") = 1.25"
WIDTH OF SEDIMENT STORAGE AREA (W) = 5'
 $\frac{1}{2} \times L \times D \times W = XX \text{ CF} = 74 \text{ CY}$

EXISTING TREE INVENTORY

Rosenfeld Park					
#	Species	DBH (in.)			
1	Dogwood	2"	39	Pine	10"
2	Elm	15"	40	Pine	10"
3	Hardwood	10"	41	Pine	10"
4	Hardwood	11"	42	Pine	10"
5	Hardwood	12"	43	Pine	11"
6	Hardwood	12"	44	Pine	12"
7	Hardwood	13"	45	Pine	12"
8	Hardwood	16"	46	Pine	12"
9	Hardwood	16"	47	Pine	12"
10	Hardwood	8"	48	Pine	15"
11	Hickory	10"	49	Pine	15"
12	Hickory	12"	50	Pine	15"
13	Hickory	7"	51	Pine	15"
14	Hickory	8"	52	Pine	16"
15	Hickory	9"	53	Pine	16"
16	Hickory	9"	54	Pine	16"
17	Magnolia	2"	55	Pine	17"
18	Magnolia	2"	56	Pine	17"
19	Magnolia	3"	57	Pine	18"
20	Magnolia	2"	58	Pine	18"
21	Oak	10"	59	Pine	18"
22	Oak	10"	60	Pine	20"
23	Oak	10"	61	Pine	20"
24	Oak	10"	62	Pine	20"
25	Oak	12"	63	Pine	21"
26	Oak	3"	64	Pine	22"
27	Oak	4"	65	Pine	26"
28	Oak	5"	66	Pine	27"
29	Oak	6"	67	Pine	28"
30	Oak	7"	68	Pine	7"
31	Oak	7"	69	Pine	8"
32	Oak	7.5"	70	Pine	8"
33	Oak	8"	71	Pine	8"
34	Oak	8"	72	Sweet gum	10"
35	Oak	8"	73	Sweet gum	12"
36	Oak	9"	74	Sweet gum	14"
37	Oak	9"	75	Sweet gum	18"
38	Oak (dead)	2"	76	Sweet gum	18"
			77	Sweet gum	18"
			78	Sweet gum	25"
			79	Sweet gum	6"
			80	Tulip Poplar	10"
			81	Tulip Poplar	10"
			82	Tulip Poplar	12"
			83	Tulip Poplar	12"
			84	Tulip Poplar	12"
			85	Tulip Poplar	15"
			86	Tulip Poplar	16"
			87	Tulip Poplar	16"
			88	Tulip Poplar	16"
			89	Tulip Poplar	18"
			90	Tulip Poplar	19"
			91	Tulip Poplar	2"
			92	Tulip Poplar	20"
			93	Tulip Poplar	20"
			94	Tulip Poplar	22"
			95	Tulip Poplar	24"
			96	Tulip Poplar	25"
			97	Tulip Poplar	26"
			98	Tulip Poplar	26"
			99	Tulip Poplar	5"
			100	Tulip Poplar	6"
			101	Tulip Poplar	6"
			102	Tulip Poplar	6"
			103	Tulip Poplar	6"
			104	Tulip Poplar	6"
			105	Tulip Poplar	6"
			106	Tulip Poplar	7"
			107	Tulip Poplar	8"
			108	Tulip Poplar	8"
			109	Tulip Poplar	8"
			110	Tulip Poplar	8"
			111	Tulip Poplar	8"
			112	Tulip Poplar	12"
			113	Tulip Poplar (dead)	4"

**BASIN 3
SILT FENCE STORAGE CALCULATION**

1. ACRES DRAINED FOR INITIAL PHASE = 0.93 ACRES
2. REQUIRED SEDIMENT STORAGE = 67 CY/AC * ACRES DRAINED
3. REQUIRED SEDIMENT STORAGE = 67 CY/AC * 0.93 = 62 CY
4. ASSUMED SEDIMENT DEPTH OF 1.25' AGAINST SILT FENCE
DETERMINE IF ADEQUATE SEDIMENT STORAGE AREA ALONG SILT FENCE IS POSSIBLE
LENGTH OF SILT FENCE (LF) = 597
DEPTH OF SEDIMENT (D") = 1.25"
WIDTH OF SEDIMENT STORAGE AREA (W) = 5'
 $\frac{1}{2} \times L \times D \times W = XX \text{ CF} = 69 \text{ CY}$

TO BE SHOWN ON THE EROSION AND SEDIMENT CONTROL PLAN

If the EXCAVATED INLET SEDIMENT TRAP is used, show the following information:

1. Drainage area = 0.32 ac
2. Required sediment storage = 67 cy/ac * drainage area
Required sediment storage = 67 cy/ac * 0.32 ac
Required sediment storage = 21.44 cy = 579 cf
3. Assume excavation depth (minimum of 1.5 ft.) = 3 ft
4. Assume slope of sides (shall not be steeper than 2:1) = 3 : 1
5. Determine required surface area
SA_{req} = Required sediment storage / excavation depth
SA_{req} = 22 cy / 3 ft
SA_{req} = 193 sf
6. Assume shape of excavation and determine dimensions.
(A rectangular shape with 2:1 length to width ratio is recommended.)
Shape: RECT
Dimensions: l = 40 ft w = 20 ft diameter (if applicable) = ft

Provide a detail showing the depth, length and width, or diameter (if applicable), and side slopes of the excavation.

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COLLABORATION BY DESIGN
3090 Premiere Parkway, Suite 200
Duluth, GA 30097
(678) 417-4000
keckwood.com

GEORGIA
REGISTERED PROFESSIONAL ENGINEER
5/18/26
CHARLES ADAM SHELTON

NO.	DATE	REVISION
	05/18/2026	Issued for Bidding

Rosenfeld Park Improvements
2088 Glacier Drive
Tucker, Georgia

EROSION CONTROL PLAN - PHASE 1

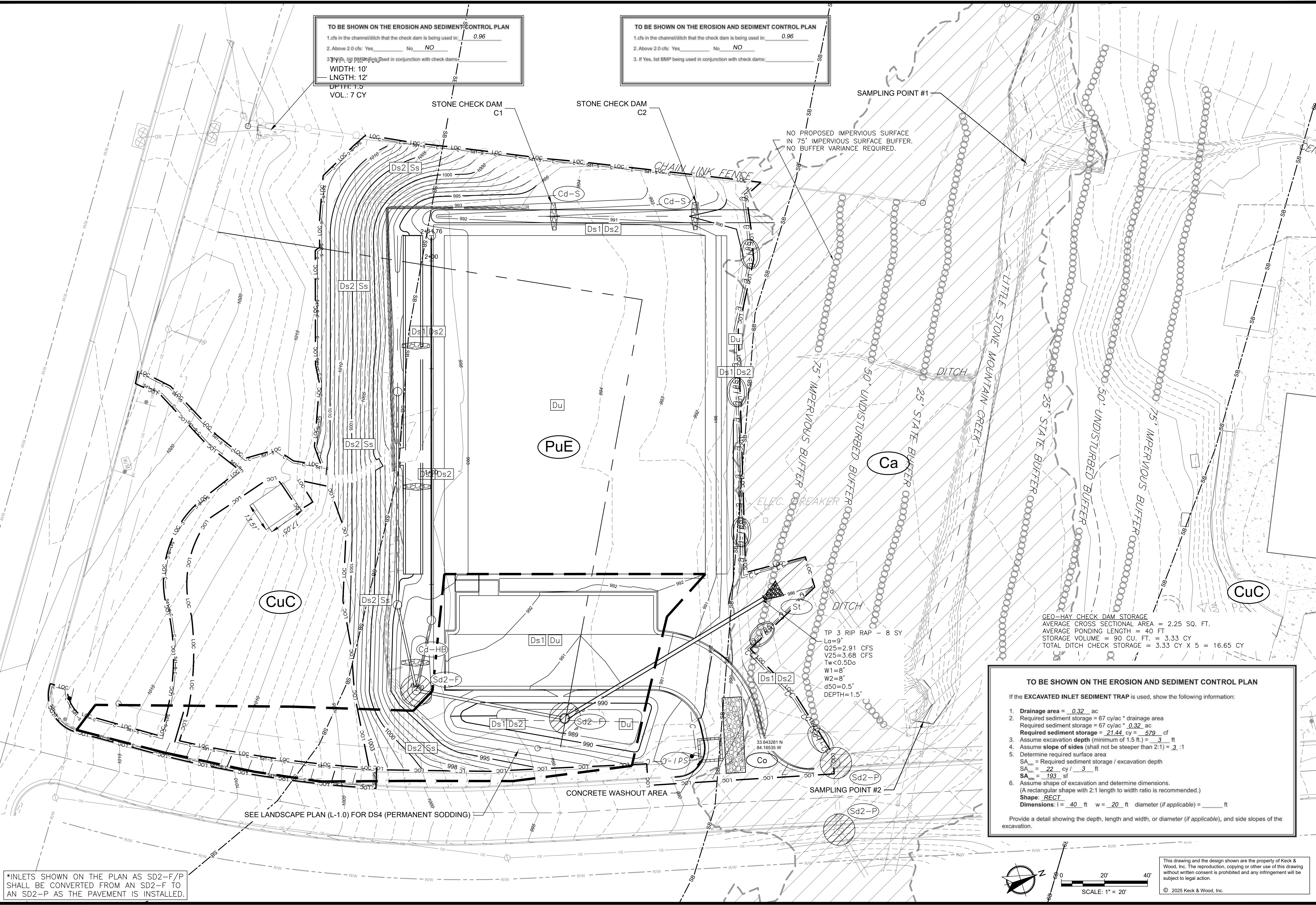
THIS BAR IS 1 INCH LONG PLOTTED FULL SCALE

Project Manager: Adam Shelton, P.E.
Drawn By: KR Checked By: BF
Date: 05/18/2026
Scale: As Shown

Project No.: 220238
Drawing No.: EC-1.0

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TO BE SHOWN ON THE EROSION AND SEDIMENT CONTROL PLAN

1. cfs in the channel/ditch that the check dam is being used in: 0.96

2. Above 2.0 cfs: Yes NO No NO

3. If Yes, list BMP being used in conjunction with check dams:

WIDTH: 10'
 LENGTH: 12'
 DEPTH: 1.5'
 VOL.: 7 CY

TO BE SHOWN ON THE EROSION AND SEDIMENT CONTROL PLAN

1. cfs in the channel/ditch that the check dam is being used in: 0.96

2. Above 2.0 cfs: Yes NO No NO

3. If Yes, list BMP being used in conjunction with check dams:

TO BE SHOWN ON THE EROSION AND SEDIMENT CONTROL PLAN

If the EXCAVATED INLET SEDIMENT TRAP is used, show the following information:

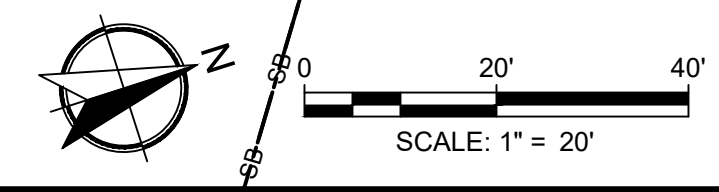
1. Drainage area = 0.32 ac
2. Required sediment storage = 67 cy/ac * drainage area
 Required sediment storage = 67 cy/ac * 0.32 ac
 Required sediment storage = 21.44 cy = 579 cf
3. Assume excavation depth (minimum of 1.5 ft) = 3 ft
4. Assume slope of sides (shall not be steeper than 2:1) = 3:1
5. Determine required surface area
 $SA_{min} = \text{Required sediment storage} / \text{excavation depth}$
 $SA_{min} = 22 \text{ cy} / 3 \text{ ft}$
 $SA_{min} = 193 \text{ sf}$
6. Assume shape of excavation and determine dimensions.
 (A rectangular shape with 2:1 length to width ratio is recommended.)
 Shape: RECT
 Dimensions: l = 40 ft w = 20 ft diameter (if applicable) = ft

Provide a detail showing the depth, length and width, or diameter (if applicable), and side slopes of the excavation.

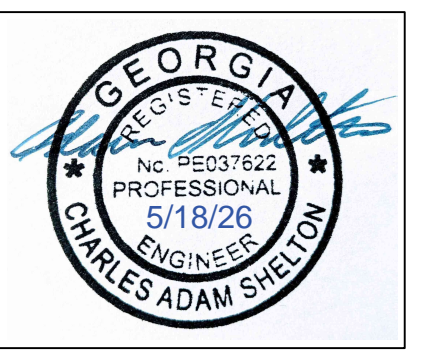
GEO-HAY CHECK DAM STORAGE
 AVERAGE CROSS SECTIONAL AREA = 2.25 SQ. FT.
 AVERAGE PONDING LENGTH = 40 FT
 STORAGE VOLUME = 90 CU. FT. = 3.33 CY
 TOTAL DITCH CHECK STORAGE = 3.33 CY X 5 = 16.65 CY

TP 3 RIP RAP - 8 SY
 L₀=9'
 Q₂₅=2.91 CFS
 V₂₅=3.68 CFS
 T_w<0.5D_o
 W₁=8'
 W₂=8'
 d₅₀=0.5'
 DEPTH=1.5'

*INLETS SHOWN ON THE PLAN AS SD2-F/P SHALL BE CONVERTED FROM AN SD2-F TO AN SD2-P AS THE PAVEMENT IS INSTALLED.



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Rosenfeld Park Improvements
 2088 Glacier Drive
 Tucker, Georgia

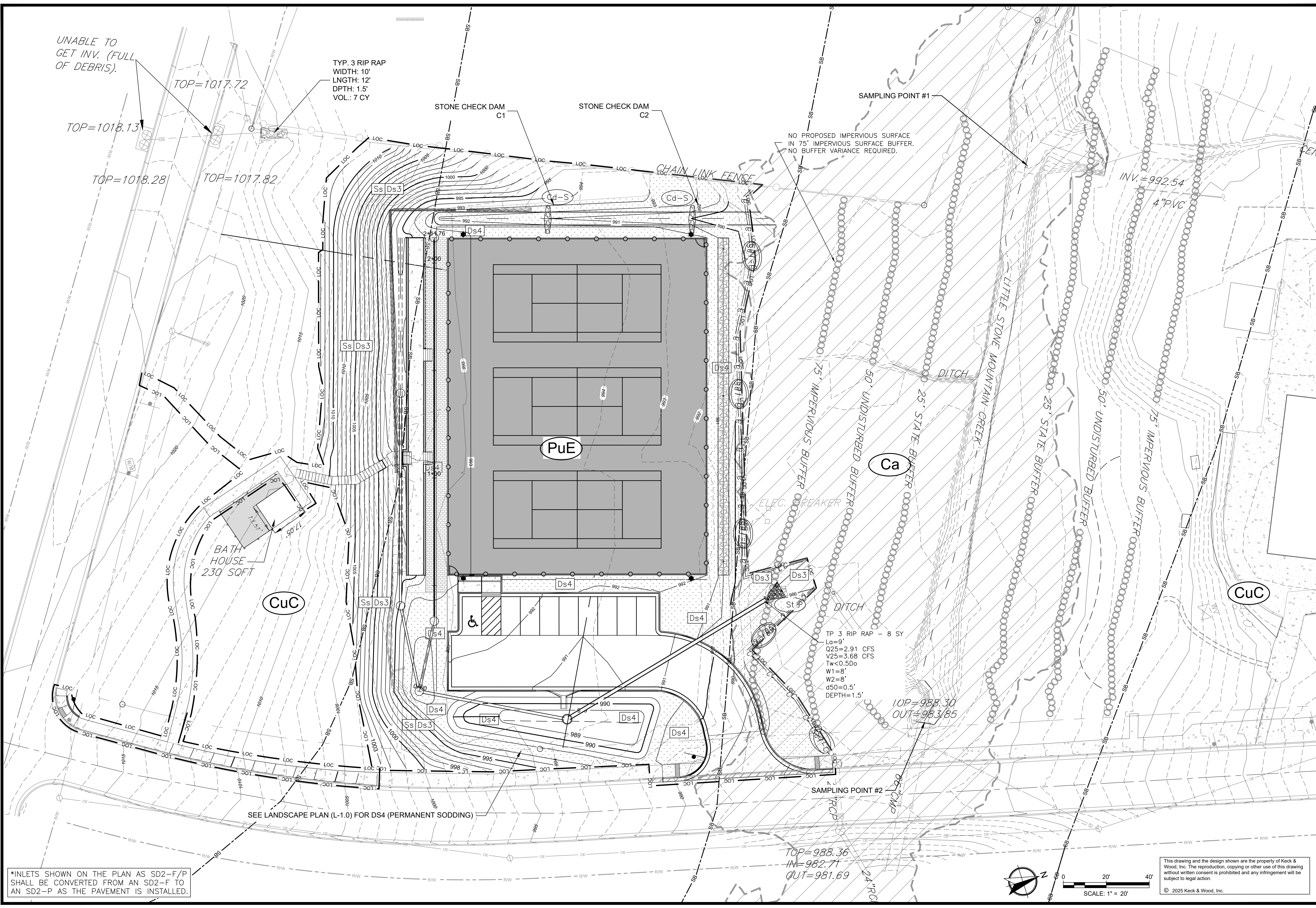
EROSION CONTROL PLAN - PHASE 2

THIS BAR IS 1 INCH LONG PLOTTED FULL SCALE	
Project Manager:	Adam Shelton, P.E.
Drawn By:	KR
Checked By:	BF
Date:	05/18/2026
Scale:	As Shown
Project No.:	220238
Drawing No.:	EC-1.1

UNABLE TO GET INV. (FULL OF DEBRIS).

TYP. 3 RIP RAP
WIDTH: 10'
LNTH: 12'
DPHT: 1.5'
VOL.: 7 CY

NO PROPOSED IMPERVIOUS SURFACE
IN 75' IMPERVIOUS SURFACE BUFFER.
NO BUFFER VARIANCE REQUIRED.



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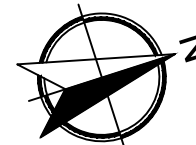
*INLETS SHOWN ON THE PLAN AS SD2-F/P SHALL BE CONVERTED FROM AN SD2-F TO AN SD2-P AS THE PAVEMENT IS INSTALLED.

SEE LANDSCAPE PLAN (L-1.0) FOR DS4 (PERMANENT SODDING)

TP 3 RIP RAP - 8 SY
L=9'
Q25=2.91 CFS
V25=3.68 CFS
TW<0.5D₅₀
W1=8'
W2=8'
d50=0.5'
DEPTH=1.5'

TOP=988.30
OUT=983.85

TOP=988.36
IN=982.71
OUT=981.69



SCALE: 1" = 20'

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Rosenfeld Park Improvements
2088 Glacier Drive
Tucker, Georgia

EROSION CONTROL PLAN - PHASE 3

THIS BAR IS
1 INCH LONG
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Project Manager:
Adam Shelton, P.E.

Drawn By: KR Checked By: BF

Date: 05/18/2026

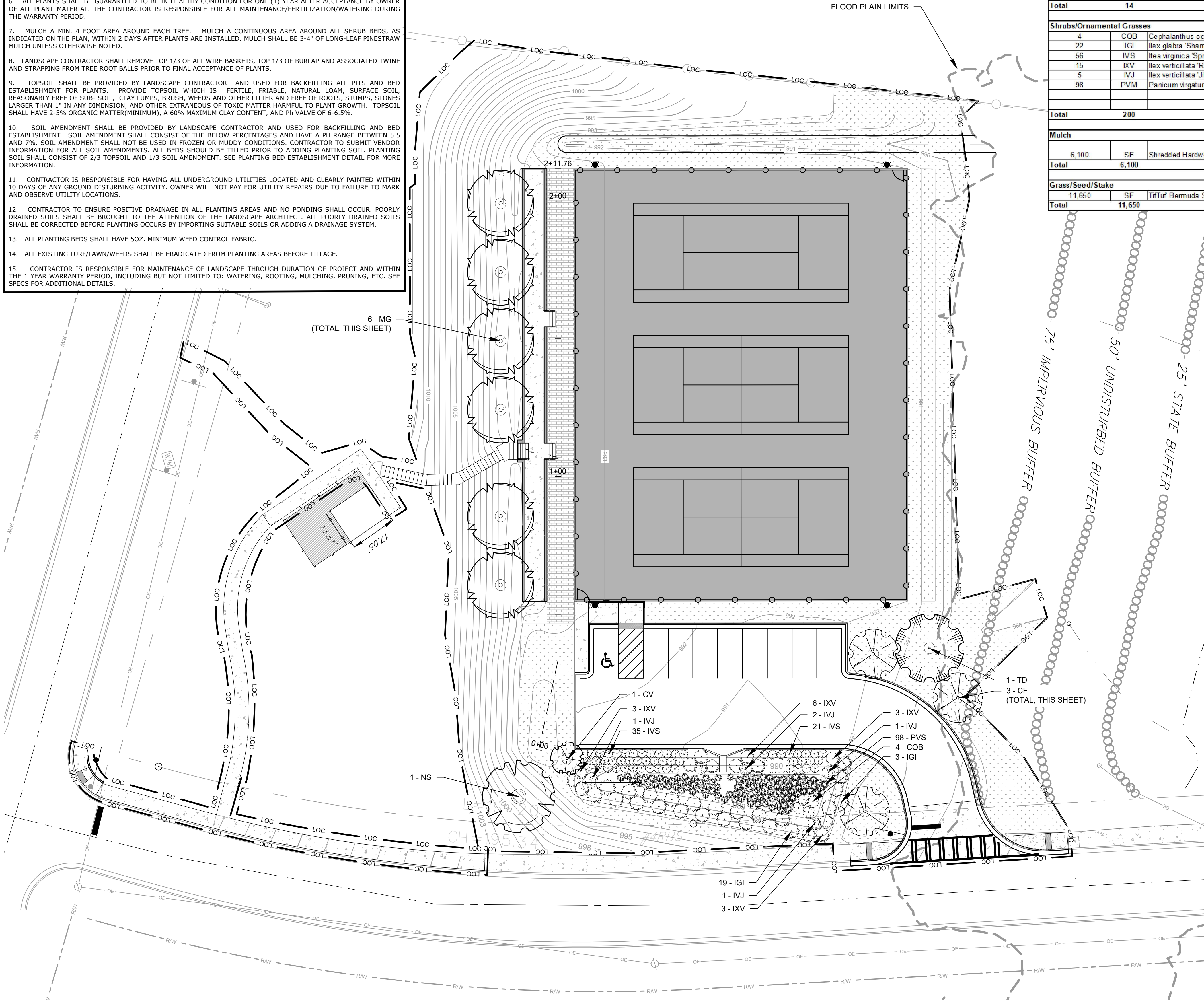
Scale: As Shown

Project No.:
220238

Drawing No.:
EC-1.2

- LANDSCAPE NOTES:**
1. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF QUANTITIES IN THE PLANT LIST. ANY DISCREPANCIES BETWEEN QUANTITIES ON PLAN AND PLANT LIST SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT AND ANY FIELD ADJUSTMENTS OR QUANTITY ADJUSTMENTS MUST BE AUTHORIZED BY LANDSCAPE ARCHITECT PRIOR TO PLANTING.
 2. ALL TREES, SHRUBS AND PLANTS SHALL CONFORM TO ACCEPTED STANDARDS ESTABLISHED BY THE AMERICAN ASSOCIATION OF NURSERMEN AND THE PROJECT SPECIFICATIONS.
 3. ALL PLANT MATERIAL SHALL BE SOAKED WITH WATER AND MULCHED IMMEDIATELY FOLLOWING PLANTING.
 4. THE TOP OF ALL ROOT BALLS SHALL BE 2" ABOVE FINISHED GRADE IN WELL DRAINED SOILS. IN POORLY DRAINED SOILS, ROOT BALLS SHALL BE 4" HEIGHT OF ROOT BALL ABOVE FINISHED GRADE.
 5. ALL ROOT BALLS REMOVED FROM CANS SHALL BE SCARIFIED PRIOR TO BACKFILLING.
 6. ALL PLANTS SHALL BE GUARANTEED TO BE IN HEALTHY CONDITION FOR ONE (1) YEAR AFTER ACCEPTANCE BY OWNER OF ALL PLANT MATERIAL. THE CONTRACTOR IS RESPONSIBLE FOR ALL MAINTENANCE/FERTILIZATION/WATERING DURING THE WARRANTY PERIOD.
 7. MULCH A MIN. 4 FOOT AREA AROUND EACH TREE. MULCH A CONTINUOUS AREA AROUND ALL SHRUB BEDS, AS INDICATED ON THE PLAN, WITHIN 2 DAYS AFTER PLANTS ARE INSTALLED. MULCH SHALL BE 3-4" OF LONG-LEAF PINE STRAW MULCH UNLESS OTHERWISE NOTED.
 8. LANDSCAPE CONTRACTOR SHALL REMOVE TOP 1/3 OF ALL WIRE BASKETS, TOP 1/3 OF BURLAP AND ASSOCIATED TWINE AND STRAPPING FROM TREE ROOT BALLS PRIOR TO FINAL ACCEPTANCE OF PLANTS.
 9. TOPSOIL SHALL BE PROVIDED BY LANDSCAPE CONTRACTOR AND USED FOR BACKFILLING ALL PITS AND BED ESTABLISHMENT FOR PLANTS. PROVIDE TOPSOIL WHICH IS FERTILE, FRIBLAE, NATURAL LOAM, SURFACE SOIL, REASONABLY FREE OF SUB-SOIL, CLAY LUMPS, BRUSH, WEEDS AND OTHER LITTER AND FREE OF ROOTS, STUMPS, STONES LARGER THAN 1" IN ANY DIMENSION, AND OTHER EXTRANEIOUS OF TOXIC MATTER HARMFUL TO PLANT GROWTH. TOPSOIL SHALL HAVE 2-5% ORGANIC MATTER(MINIMUM), A 60% MAXIMUM CLAY CONTENT, AND PH VALVE OF 6-6.5%.
 10. SOIL AMENDMENT SHALL BE PROVIDED BY LANDSCAPE CONTRACTOR AND USED FOR BACKFILLING AND BED ESTABLISHMENT. SOIL AMENDMENT SHALL CONSIST OF THE BELOW PERCENTAGES AND HAVE A PH RANGE BETWEEN 5.5 AND 7%. SOIL AMENDMENT SHALL NOT BE USED IN FROZEN OR MUDDY CONDITIONS. CONTRACTOR TO SUBMIT VENDOR INFORMATION FOR ALL SOIL AMENDMENTS. ALL BEDS SHOULD BE TILLED PRIOR TO ADDING PLANTING SOIL. PLANTING SOIL SHALL CONSIST OF 2/3 TOPSOIL AND 1/3 SOIL AMENDMENT. SEE PLANTING BED ESTABLISHMENT DETAIL FOR MORE INFORMATION.
 11. CONTRACTOR IS RESPONSIBLE FOR HAVING ALL UNDERGROUND UTILITIES LOCATED AND CLEARLY PAINTED WITHIN 10 DAYS OF ANY GROUND DISTURBING ACTIVITY. OWNER WILL NOT PAY FOR UTILITY REPAIRS DUE TO FAILURE TO MARK AND OBSERVE UTILITY LOCATIONS.
 12. CONTRACTOR TO ENSURE POSITIVE DRAINAGE IN ALL PLANTING AREAS AND NO PONDING SHALL OCCUR. POORLY DRAINED SOILS SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT. ALL POORLY DRAINED SOILS SHALL BE CORRECTED BEFORE PLANTING OCCURS BY IMPORTING SUITABLE SOILS OR ADDING A DRAINAGE SYSTEM.
 13. ALL PLANTING BEDS SHALL HAVE 50Z. MINIMUM WEED CONTROL FABRIC.
 14. ALL EXISTING TURF/LAWN/WEEDS SHALL BE ERADICATED FROM PLANTING AREAS BEFORE TILLAGE.
 15. CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE OF LANDSCAPE THROUGH DURATION OF PROJECT AND WITHIN THE 1 YEAR WARRANTY PERIOD, INCLUDING BUT NOT LIMITED TO: WATERING, ROOTING, MULCHING, PRUNING, ETC. SEE SPECS FOR ADDITIONAL DETAILS.

Rosenfeld Park Improvements - Planting Schedule					
Qty.	Symbol	Scientific Name	Common Name	Size	Notes
Trees					
1	NS	Nyssa sylvatica	Blackgum	2" Cal.	Full Crown, 8' Min. Ht.
1	TD	Taxodium distichum	Bald Cypress	2" Cal.	Full to Ground, 8' Min. Ht.
1	CV	Chionanthus virginicus	Southern Fringe Tree	2" Cal.	Full Crown, 4' Min. Ht.
3	CF	Cornus florida	Flowering Dogwood	2" Cal.	Full Crown, 6' Min. Ht.
8	MG	Magnolia grandiflora 'Claudia Wannamaker'	Southern Magnolia 'Claudia Wannamaker'	2" Cal.	Full Crown, 8' Min Ht.
Total	14				
Shrubs/Ornamental Grasses					
4	COB	Cephalanthus occidentalis	Buttonbush	7 Gal.	30" Min. Ht.
22	IGI	Ilex glabra 'Shamrock'	Shamrock Inkberry Holly	3 Gal.	18" Min. Ht.
56	IVS	Itea virginica 'Sprich'	Little Henry Sweetspire	3 Gal.	18" Min. Ht.
15	IXV	Ilex verticillata 'Red Sprite'	Red Sprite Winterberry	3 Gal.	18" Min. Ht., Pollinated by Jim Dandy
5	IVJ	Ilex verticillata 'Jim Dandy'	Jim Dandy Winterberry	3 Gal.	18" Min. Ht., Pollinator
98	PVM	Panicum virgatum 'Shenandoah'	Shenandoah Switchgrass	1Gal.	18" Min. Ht., 24" O.C.
Total	200				
Mulch					
6,100	SF	Shredded Hardwood Mulch			Natural shredded hardwood mulch, no artificial dyes, provide 4" depth
Total	6,100				
Grass/Seed/Stake					
11,650	SF	TiTriTuf Bermuda Sod			Or approved equal
Total	11,650				



LEGEND

TREES	SHRUBS/GRASSES
NS - BLACK GUM	IGI - SHAMROCK INKBERRY HOLLY
TD - BALD CYPRESS	COB - BUTTON BUSH
MG - SOUTHERN MAGNOLIA 'CLAUDIA WANNAMAKER'	IVS - LITTLE HENRY SWEETSPIRE
CF - FLOWERING DOGWOOD	IXV - RED SPRITE WINTERBERRY
CV - SOUTHERN FRINGE TREE	IVJ - JIM DANDY WINTERBERRY
	PVS - SHENANDOAH SWITCHGRASS
	SOD/MULCH
	TIFTUF BERMUDA SOD
	SHREDDED HARDWOOD MULCH



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 keckwood.com

REGISTERED LANDSCAPE ARCHITECT
 DAVID M. YOUNG
 No. 00174993
 05/18/2026

NO.	DATE	REVISION
	05/18/2026	Issued for Bidding

Rosenfeld Park Improvements
 2088 Glacier Drive
 Tucker, Georgia

LANDSCAPE PLAN

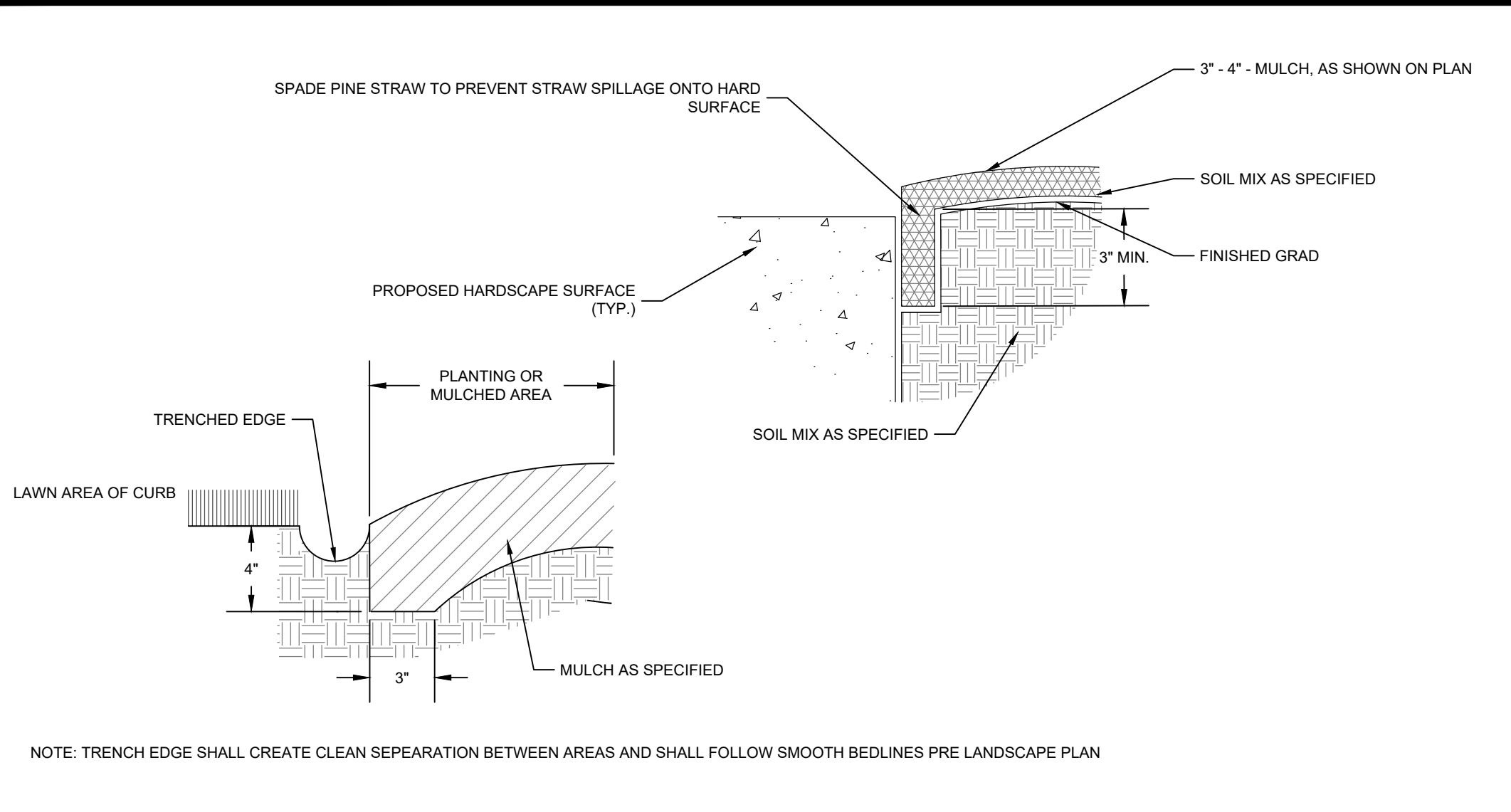
THIS BAR IS 1 INCH LONG PLOTTED FULL SCALE

Project Manager:
Adam Shelton, P.E.

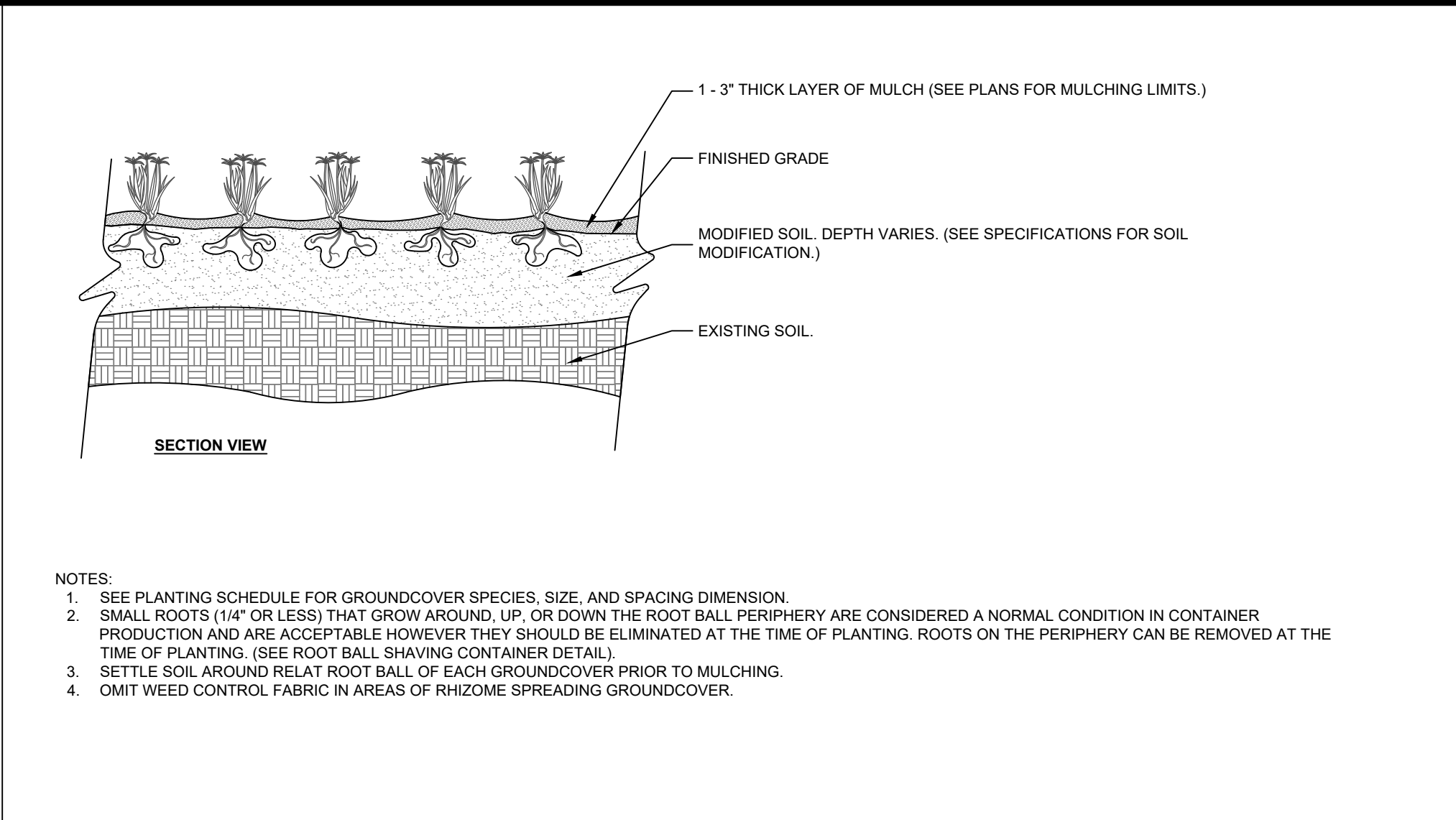
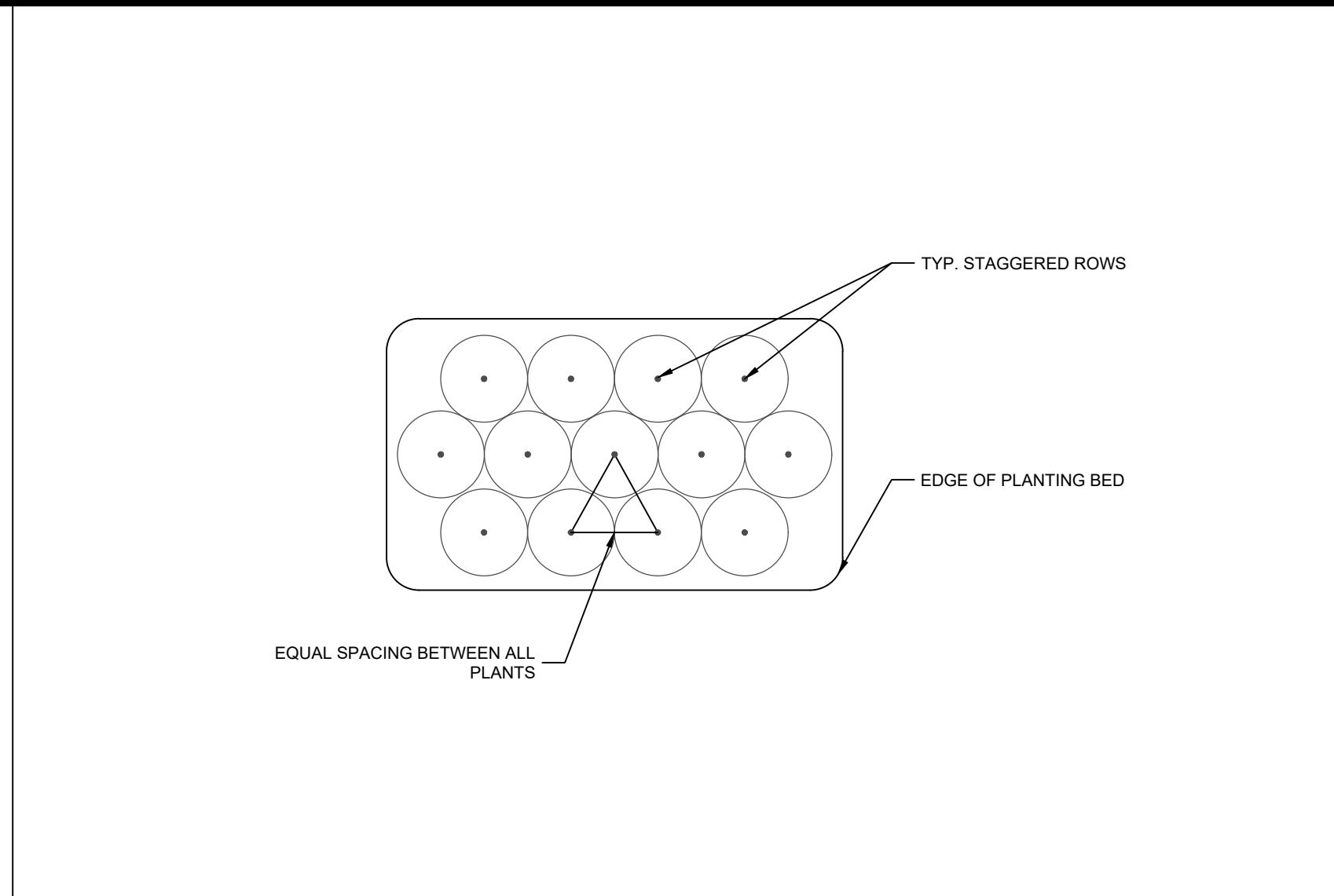
Drawn By: KR
Checked By: BF

Date: 05/18/2026
Scale: As Shown

Project No.: 220238
 Drawing No.: L-1.0

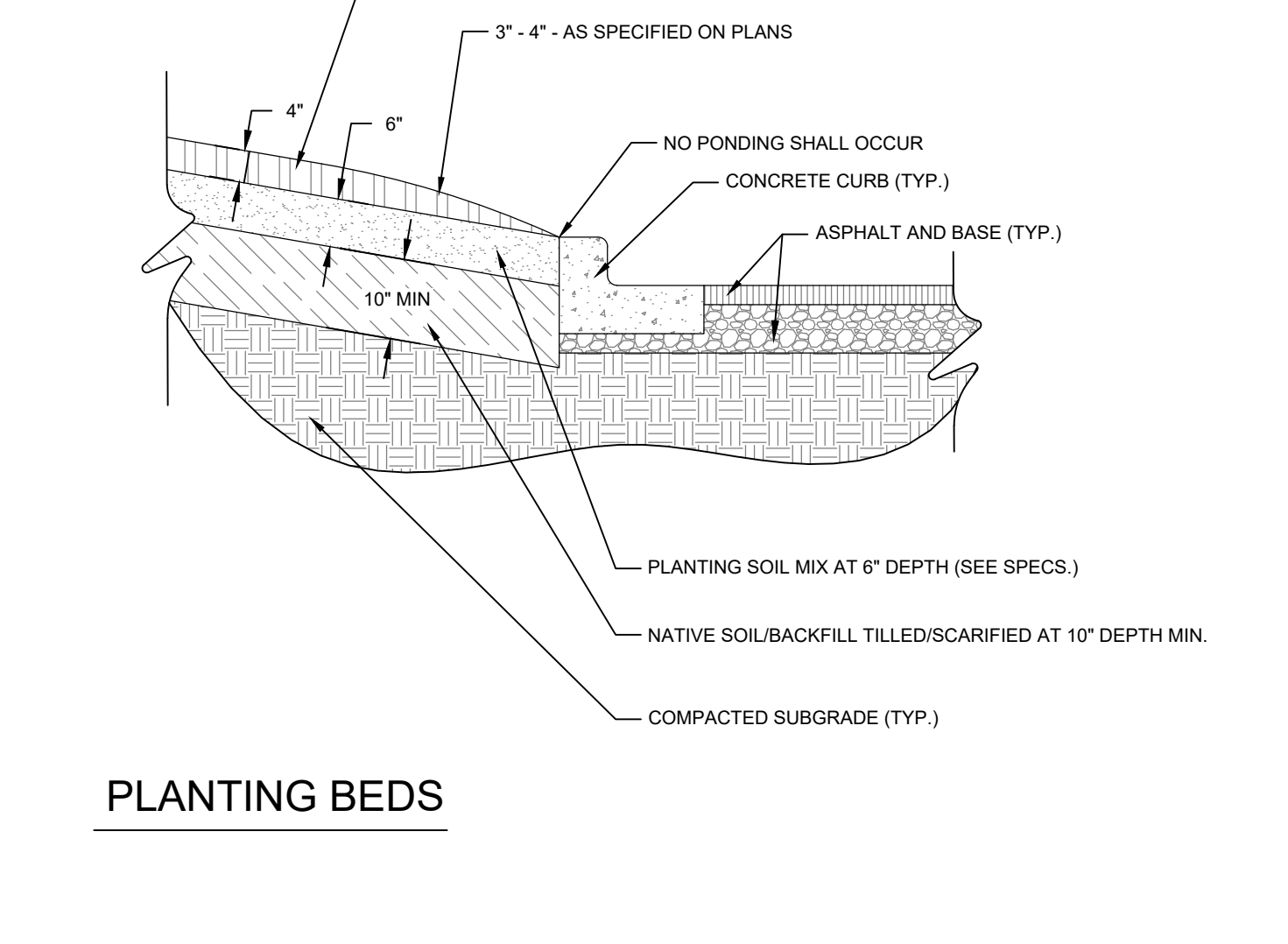
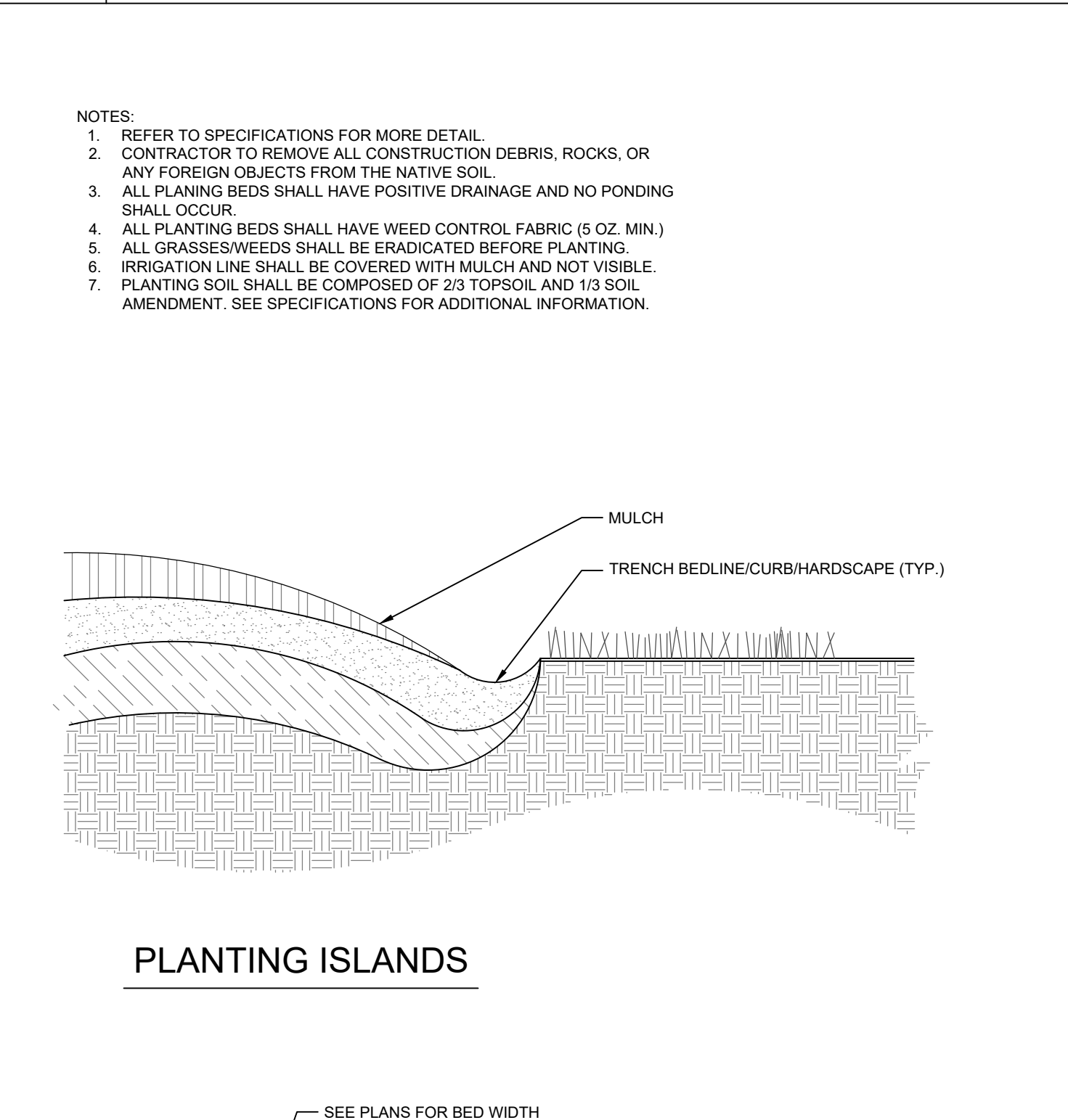


NOTE: TRENCH EDGE SHALL CREATE CLEAN SEPARATION BETWEEN AREAS AND SHALL FOLLOW SMOOTH BEDLINES PRE LANDSCAPE PLAN

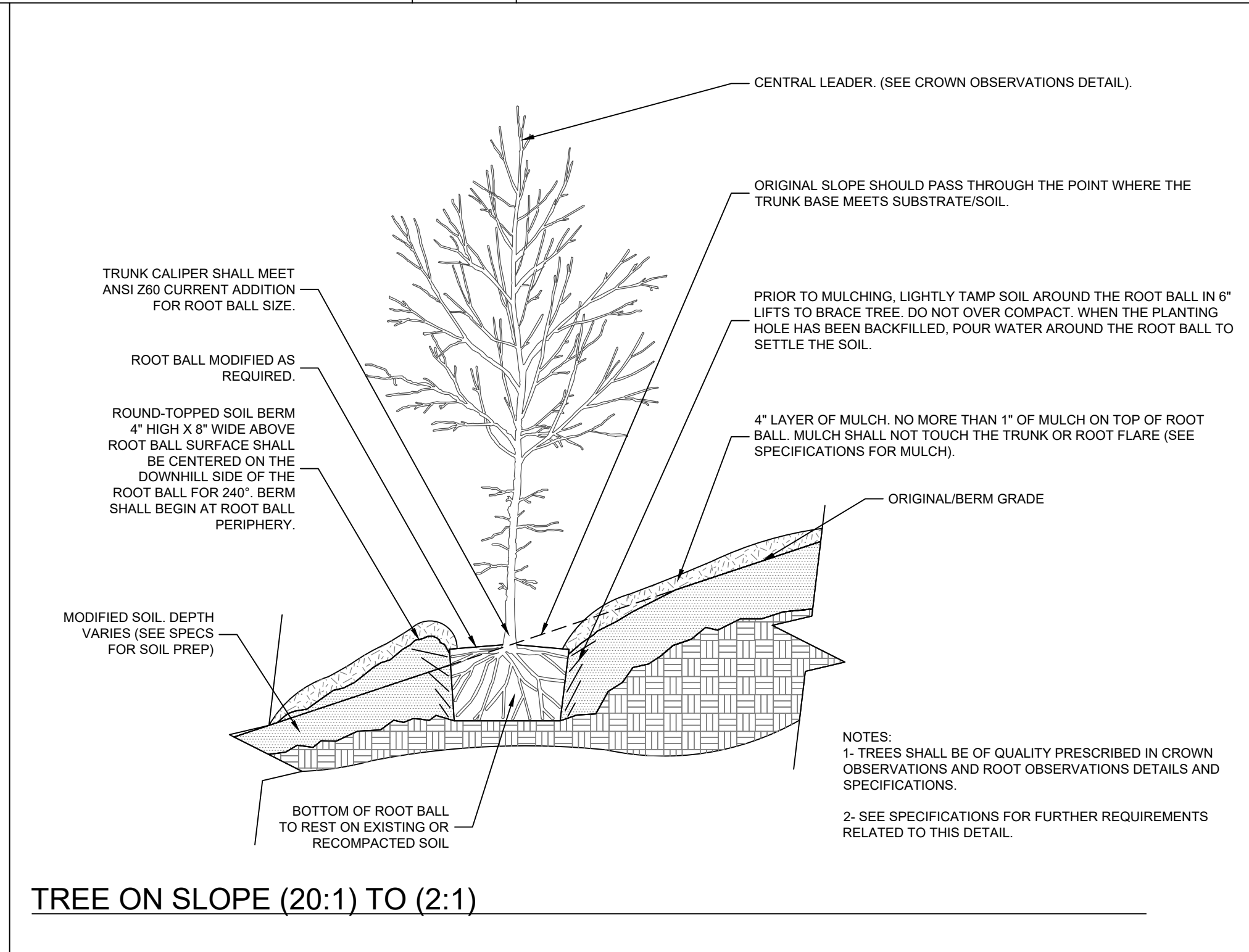


- NOTES:
- SEE PLANTING SCHEDULE FOR GROUNDCOVER SPECIES, SIZE, AND SPACING DIMENSION
 - SMALL ROOTS (1/4\"/>

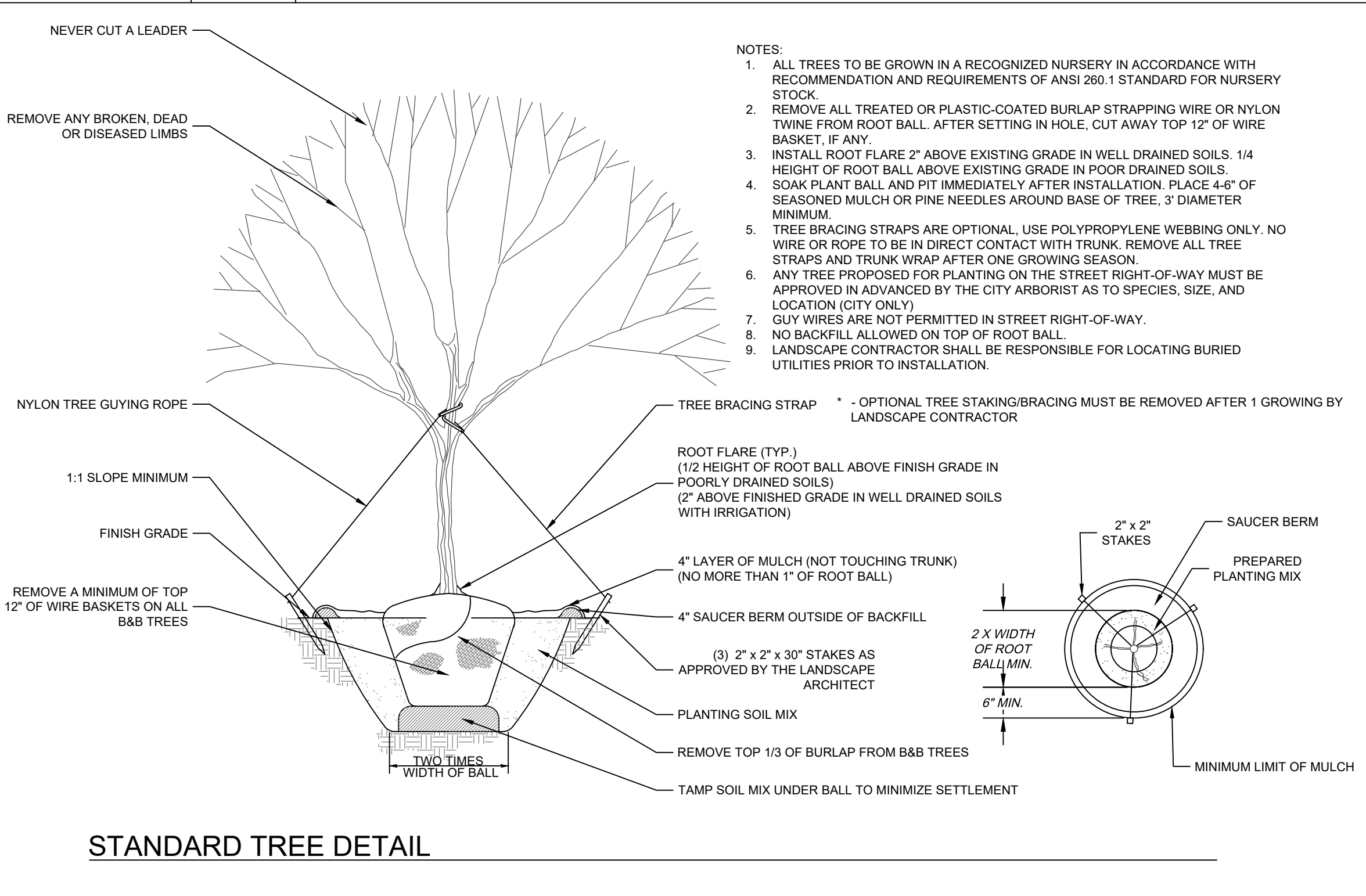
1	MULCH DETAILS	N.T.S.	2	PLANT SPACING	N.T.S.	3	GROUNDCOVER PLANTING DETAILS	N.T.S.
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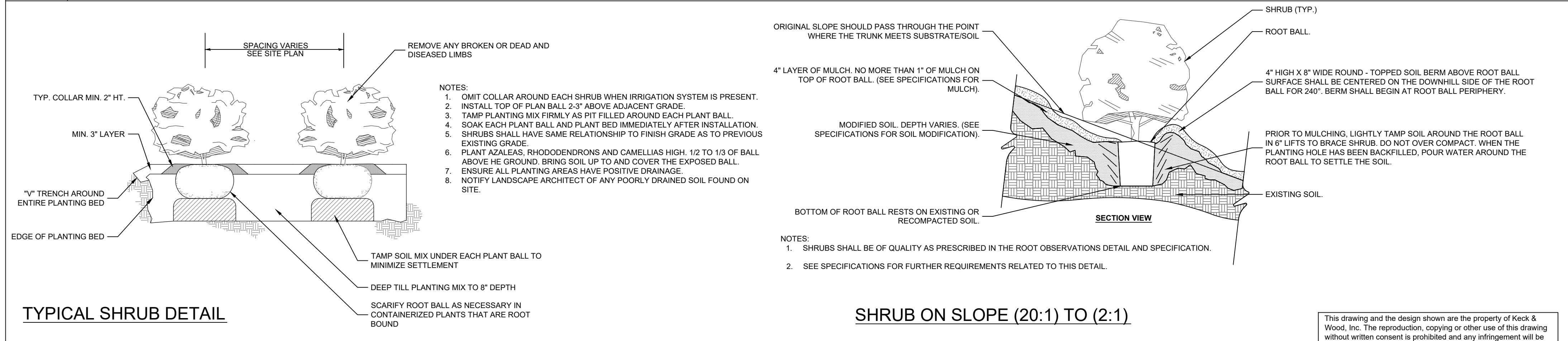
PLANTING ISLAND/BED



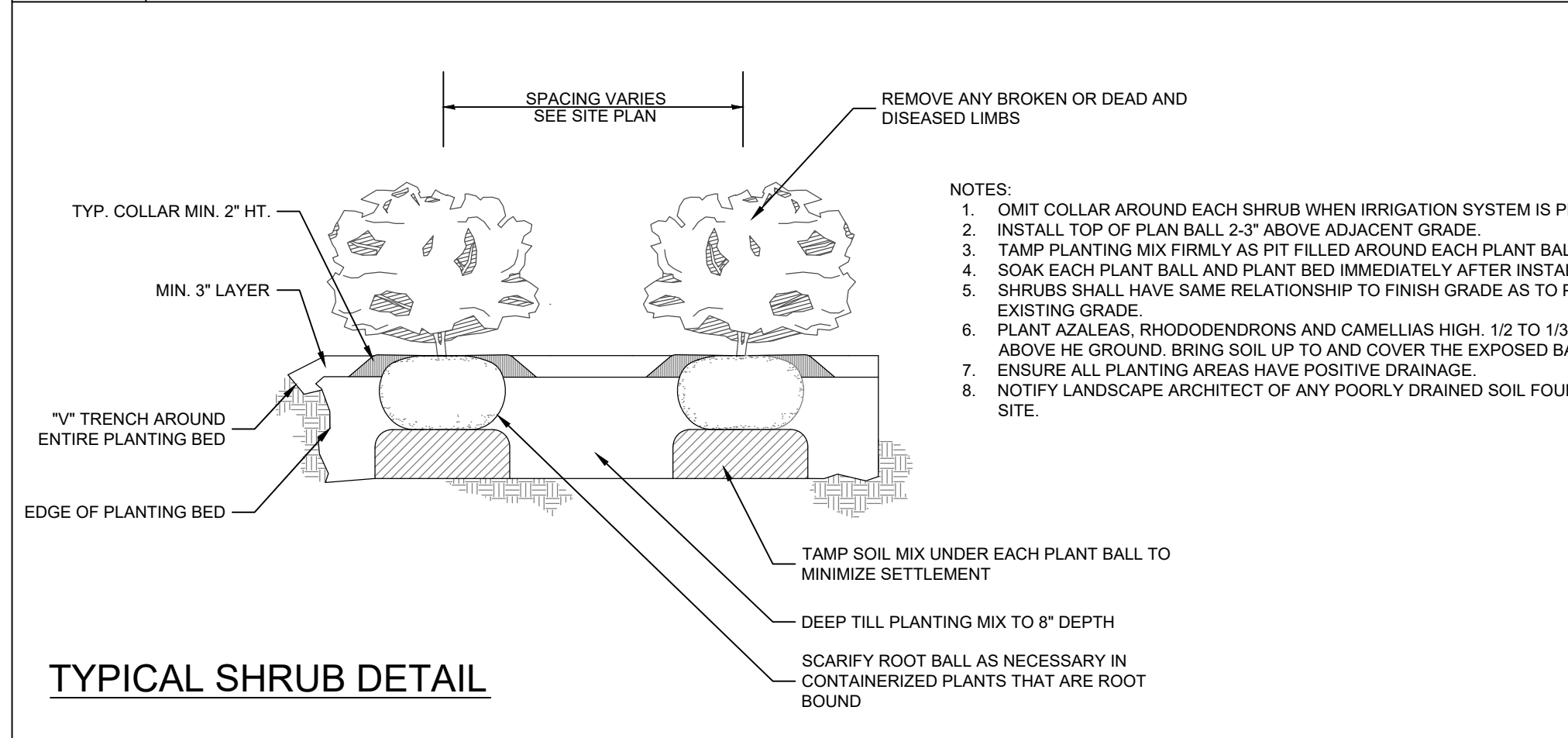
TREE ON SLOPE (20:1) TO (2:1)



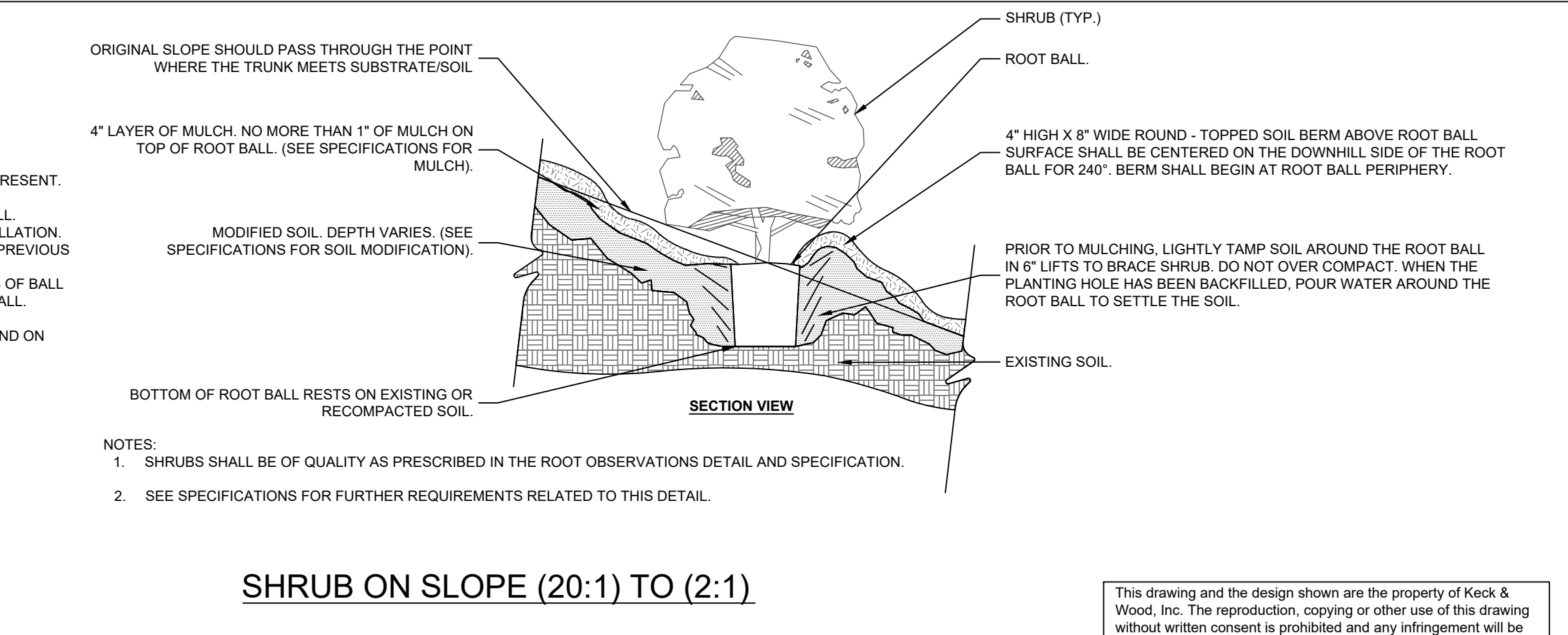
STANDARD TREE DETAIL



TYPICAL SHRUB DETAIL



SHRUBS PLANTING DETAILS

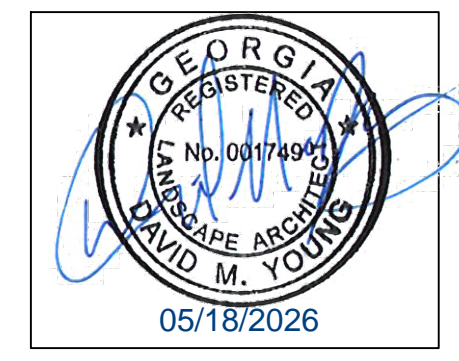


SHRUB ON SLOPE (20:1) TO (2:1)

PLANTING ISLAND/BED

SHRUBS PLANTING DETAILS

SHRUB ON SLOPE (20:1) TO (2:1)



NO.	DATE	REVISION
	05/18/2026	Issued for Bidding

Rosenfeld Park Improvements
2088 Glacier Drive
Tucker, Georgia

LANDSCAPE DETAILS

THIS BAR IS
1 INCH LONG
PLOTTED FULL SCALE

Project Manager:
Adam Shelton, P.E.

Drawn By: KR
Checked By: BF

Date: 05/18/2026

Scale: As Shown

Project No.:
220238

Drawing No.:
L-2.0

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ELECTRICAL GENERAL NOTES:

- ALL WORK SHALL COMPLY WITH ALL LOCAL BUILDING CODES, LAWS, REGULATIONS, ORDINANCES AND 2023 NATIONAL ELECTRICAL CODE.
- THE ELECTRICAL WORK SHALL CONSIST OF ALL LABOR AND MATERIAL TO COMPLETELY INSTALL ALL ELECTRICAL WORKS AS SHOWN ON THESE DRAWINGS.
- COORDINATE LOCATION OF LIGHT FIXTURES IN AREAS OF MECHANICAL DUCTWORK AND PIPING WITH MECHANICAL CONTRACTOR. RELOCATE LIGHT FIXTURES, WIRING AND CONDUIT IF NECESSARY AS DIRECTED BY THE ARCHITECT/ENGINEER.
- ALL WORK ASSOCIATED WITH THE SCOPE OF THIS PROJECT INCLUDING EQUIPMENT, ACCESSORIES, DEVICES, SYSTEMS, ETC. SHALL BE COVERED BY A ONE YEAR GUARANTEE WHICH SHALL START AT THE TIME OF FINAL ACCEPTANCE BY THE OWNER. ANY DEFECTS IN PRODUCTS, INSTALLATION, OR WORKMANSHIP SHALL BE CORRECTED AT NO ADDITIONAL CHARGE AND SHALL INCLUDE ANY NECESSARY REPAIRS TO WALLS, FLOORS, MILLWORK, ETC. WHICH SHALL BE REPAIRED BACK TO NEW AND FINISHED CONDITION.
- THE CONTRACTOR SHALL KEEP A RECORD OF THE CHANGES WHICH ARE IN CONFLICT WITH THESE DRAWINGS AND SPECIFICATIONS. AT THE COMPLETION OF THIS WORK THE CONTRACTOR SHALL SUBMIT "AS BUILT" PRINTS TO THE OWNER.
- THE DRAWINGS ARE DIAGRAMMATIC AND DO NOT NECESSARILY SHOW THE EXACT ROUTING OR DETAILED FITTINGS. ALL WORK SHALL BE INSTALLED AS A COMPLETE SYSTEM WITH NECESSARY COMPONENTS, FITTINGS, STRAPS, ETC. ALL JUNCTION BOXES AND COMPONENTS SHALL BE INSTALLED SO THAT THEY ARE ACCESSIBLE.
- REFER TO THE ENTIRE CONTRACTED DRAWING SET AND SPECIFICATIONS FOR GUIDANCE ON DIMENSIONS, CEILING HEIGHTS, DOOR SWINGS, ROOM FINISHES, STRUCTURAL DETAILS, LOCATIONS OF DUCTWORK, PIPING AND STRUCTURAL MEMBERS. INSTALL THE ELECTRICAL SYSTEMS SO AS NOT TO INTERFERE WITH THE INSTALLATION OR FUNCTION OF ANOTHER DISCIPLINE WORK.
- ALL CONDUIT MUST BE CONCEALED ABOVE THE CEILING OR IN THE WALLS UNLESS OTHERWISE NOTED.
- COORDINATE RECEPTACLE NEMA TYPE AND VOLTAGE WITH ALL EQUIPMENT.
- THE CONTRACTOR SHALL INSTALL ALL WORK IN A NEAT AND WORKMANLIKE MANNER AND ACCORDING TO GENERALLY ACCEPTED PRACTICES OF FIRST CLASS WORKMANSHIP.
- PROVIDE A NEW DIRECTORY FOR ALL PANELS. CORRECTLY LABEL ALL CIRCUITS, SPACES AND SPARES PER NEC 408.4.
- ALL RECESSED LIGHTING FIXTURES SHALL BE FASTENED TO STRUCTURE OR GRID PER N.E.C. 410.
- ANY CONDUIT, BUSWAY, CABLE TRAY, SLEEVES, ETC. THAT PENETRATE RATED WALLS, CEILING AND FLOORS SHALL BE FIRE STOPPED PER CODE.
- MOUNTING HEIGHTS FOR DEVICES ARE TO BE MEASURED TO THE DEVICE CENTERLINE.
- ALL BRANCH CIRCUITS SHALL BE WIRED 1/2" C, 2-1/2" MINIMUM UNLESS OTHERWISE NOTED ON THE PLANS. ALL HOMERUNS SHALL BE A MINIMUM 1/4" CONDUIT.
- PROVIDE A SEPARATE GREEN, INSULATED, #12AUG EQUIPMENT GROUNDING CONDUCTOR ROUTED WITH THE BRANCH CIRCUIT HOMERUN CONDUCTORS. PROVIDE GROUND THROUGH ENTIRE CONDUIT RUN TO THE LAST DEVICE. ALL EQUIPMENT SHALL BE GROUNDED AT THE PANEL WHICH FEEDS THE EQUIPMENT. PROVIDE GROUNDING PER NEC 250.
- ALL SWITCHES FOR LIGHTS, FANS, ETC. WHICH ARE SHOWN TO BE MOUNTED IN THE SAME GENERAL AREA, SHALL SHARE A MULTI-GANG COVER PLATE AS REQUIRED.
- ARMORED CABLE MAY BE USED IN WALLS AND MILLWORK ONLY AND MUST BE MC TYPE (WITH GROUND). ALL CONDUIT TO AND ABOVE THE FLENUM SHALL BE EMT. ALL HOMERUNS SHALL BE IN CONDUIT RAN FROM THE FIRST DEVICE OR LIGHT FIXTURE TO THE PANEL.
- THE CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATIONS OF OUTLETS, LIGHT FIXTURES, AND PARTITIONS. FINISHES FOR DEVICES AND COVERPLATES SHALL BE AS SELECTED BY ARCHITECT.
- PROVIDE A 2-GANG OUTLET BOX AND 1" CONDUIT WITH FULL STRING TO ABOVE ACCESSIBLE CEILING FOR ALL NEW DATA, TELEPHONE AND CABLE OUTLETS. COORDINATE PLASTER RING SIZE WITH TENANT AND CABLE VENDOR.
- LIGHT FIXTURES SHALL BE AS SCHEDULED, WITH ONLY PRE-APPROVED EQUAL FIXTURES ACCEPTABLE.
- FLUORESCENT LAMPS SHALL BE RAPID START, 32W, OR LOW MERCURY CONTENT, AND OF NOT LESS THAN 2300 LUMEN OUTPUT UNLESS OTHERWISE NOTED ON LIGHT FIXTURE SCHEDULE.
- FLUORESCENT BALLASTS SHALL BE ELECTRONIC WITH A MAXIMUM OF 10% THD AND AS MANUFACTURED BY ADVANCE, OSRAM/SYLVANIA, GE/MAGNETEK, OR MOTOROLA.
- ALL CONDUCTORS SHALL BE COPPER CONDUCTORS FOR SIZES NO. 10 AND SMALLER SHALL BE TYPE "THIN" OR "THIN/THIN". CONDUCTORS FOR SIZES NO. 8 AND LARGER SHALL BE TYPE "XHHU". SOLID CONDUCTORS TERMINATING IN A BREAKER OR DEVICE SHALL BE UTILIZED FOR WIRE SIZE NO. 12. MINIMUM WIRE SIZE SHALL BE NO. 12.
- ALL BOXES SHALL BE PRESSED STEEL, SINGLE PIECE (NON-GANGABLE) TYPE.
- ALL COVER PLATES SHALL BE STAINLESS STEEL.
- ALL COVER PLATES FOR DEVICES AND JUNCTION BOXES SHALL HAVE CIRCUIT NUMBERS LABELED WITH INDELIBLE INK MARKER. DEVICE COVERS SHALL BE LABELED ON THE BACK, JUNCTION BOX COVERS SHALL BE LABELED ON THE FRONT.
- RECEPTACLES SHALL BE 120 VOLT, 20A, WITH PARTS NUMBERS AS LISTED BY HUBBELL OR EQUAL BY ARROWHART, F45, OR LEVITON. COLOR SHALL BE AS SELECTED BY THE ARCHITECT.

SINGLE RECEPTACLE	#HBL5361X
DUPLEX RECEPTACLE	#HBL5352X
GFCI RECEPTACLE	#F8352X
- SWITCHES SHALL BE 120/277V, 20A, WITH PARTS NUMBERS AS LISTED BY HUBBELL OR EQUAL BY ARROWHART, F45, OR EAGLE. COLOR SHALL BE AS SELECTED BY THE ARCHITECT.

SINGLE POLE	#HBL1221X
THREE WAY	#HBL1223X
FOUR WAY	#HBL1224X

 (ADD "L" SUFFIX FOR KEYPAD LOCKING TYPE)
- PANELBOARDS, MOTOR STARTERS, SAFETY SWITCHES (HEAVY DUTY), ETC. SHALL BE AS MANUFACTURED BY GENERAL ELECTRIC, SQUARE D, SIEMENS, OR CUTLER HAMMER. ALL BREAKERS SHALL BE "BOLT-ON" TYPE.
- FOR EQUIPMENT THAT IS TO BE WIRED BY ELECTRICAL CONTRACTOR AND FURNISHED BY OTHERS, ELECTRICAL CONTRACTOR SHALL REVIEW ALL SPECIFICATION SECTIONS, EQUIPMENT SCHEDULES, AND/OR DETAILS THROUGHOUT DOCUMENTS THAT PERTAIN TO THIS EQUIPMENT AND INCLUDE ALL WIRING AND DEVICES REFERENCED IN THEIR BIDS. ELECTRICAL CONTRACTOR SHALL COORDINATE EXACT LOCATION OF THIS EQUIPMENT WITH RESPECTIVE CONTRACTOR PRIOR TO ROUGH-IN.
- ALL ABANDONED WIRE SHALL BE REMOVED.
- WHERE WORK BY THE GENERAL CONTRACTOR (WALL REMOVE, NEW OR RELATED WALL OPENING, ETC.) RESULTS IN THE REMOVALS, REFEEDING, OR RELOCATION OF LIGHTING FIXTURES OR ELECTRICAL DEVICES, THE ELECTRICAL CONTRACTOR SHALL DISCONNECT OR RECONNECT AS REQUIRED ALL ACTIVE DEVICES REMAINING ON THAT CIRCUIT SYSTEM.

- RING OUT ALL CIRCUITS IN EXISTING PANEL AFFECTED BY THIS ALTERATION WHERE ADDITIONAL CIRCUITS ARE NEEDED, REFUSE CIRCUITS AVAILABLE FOR REUSE, OR PROVIDE NEW BREAKERS, TAG ALL UNUSED CIRCUITS AS SPARE, REPLACE ALL INOPERATIVE OR DEFECTIVE CIRCUIT BREAKERS, AND TIGHTEN ALL CONNECTIONS.
- WHERE DEMOLITION DISRUPTS ELECTRICAL CONTINUITY OF EXISTING RECEPTACLES/LIGHTS, AND NO RECONNECTION IS SHOWN, RECONNECT TO ITS EXISTING CIRCUIT.
- ALL DIMENSIONS OF EXISTING CONSTRUCTION ARE APPROXIMATE. THE ELECTRICAL CONTRACTOR SHALL MAKE ALL NECESSARY FIELD MEASUREMENTS OF EXISTING STRUCTURES AND EQUIPMENT TO VERIFY DIMENSIONS SHOWN ON THE DRAWINGS. PROVIDE PROPER DIMENSIONS NOT SHOWN PRIOR TO EQUIPMENT FABRICATION. ALL COST FOR MODIFICATIONS OF NEW CONSTRUCTION DUE TO LACK OF CONFIRMATION OF DIMENSIONS BY FIELD MEASUREMENT SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR.
- PROVIDE 120 VOLT POWER FOR ALL SMOKE/FIRE DAMPERS AND TIE DAMPERS BACK TO THE BUILDING FIRE ALARM SYSTEM SO THAT UPON ACTIVATION OF DUCT MOUNTED SMOKE DETECTOR OR INDIVIDUAL SENSORS ASSOCIATED WITH DAMPER A SIGNAL WILL BE SENT BACK TO THE BUILDING FIRE ALARM SYSTEM INDICATING ALARM AND STATUS OF DAMPER (OPEN/CLOSED). CONTRACTOR SHALL PROVIDE ALL WIRING, DUCT MOUNTED SMOKE DETECTORS, MODULES, RELAY AND ASSOCIATED EQUIPMENT REQUIRED FOR A COMPLETE INSTALLATION. COORDINATE EXACT CONNECTION REQUIREMENTS BETWEEN ALL TRADES. (ELECTRICAL, MECHANICAL & FIRE PROTECTION). CONTRACTOR SHALL COORDINATE QUANTITY OF DUCT MOUNTED SMOKE DETECTORS.
- CONDUCTORS SHALL HAVE COLOR CODED JACKETS THE ENTIRE LENGTH FOR SIZES NO. 6 AND SMALLER. THE CONDUCTORS FOR SIZES NO. 4 AND LARGER SHALL HAVE COLOR CODED MARKING TAPE OR COLOR CODED JACKETS THE ENTIRE LENGTH. COLORS SHALL BE AS FOLLOWS

120/208 VOLT SYSTEM	277/480 VOLT SYSTEM
PHASE 'A' - BLACK	PHASE 'A' - BROWN
PHASE 'B' - RED	PHASE 'B' - ORANGE
PHASE 'C' - BLUE	PHASE 'C' - YELLOW
NEUTRAL - WHITE	NEUTRAL - GRAY
GROUND - GREEN	GROUND - GREEN

- WHERE PHASE MARKING TAPE IS USED IT SHALL BE WRAPPED 2" WIDE AND LOCATED AT TWO (2) LOCATIONS 6" AND 18" FROM THE TERMINATION. PHASE MARKING TAPE FOR THE NEUTRAL AND GROUNDING CONDUCTORS SHALL BE PROVIDED WHERE VISIBLE AT ANY POINT WHERE THE CONDUCTOR IS ACCESSIBLE.
- ALL 120 VOLT BRANCH CIRCUIT CONDUCTORS EXCEEDING 100' IN LENGTH SHALL BE INCREASED TO THE NEXT WIRE SIZE TO ACCOMMODATE FOR VOLTAGE DROP.
- PROVIDE ARC-FLASH WARNING LABELS ON ELECTRICAL EQUIPMENT THAT COMPLIES WITH NEC 110.16.
- PROVIDE CONSPICUOUS AND PERMANENT LABEL ON NEW PANEL BOARDS INDICATING AVAILABLE FAULT CURRENT PER NEC 110.24.
- ALL PANEL BOARDS SHALL BE CORROSION RESISTANT, 20"W x 6"D NOMINAL, REINFORCED STEEL WITH CONCEALED HINGES AND TRIM. TRIM CLAMPS ARE UNACCEPTABLE. SHORT CIRCUIT RATING SHALL BE THE INTERRUPTING RATING OF THE LOWEST RATED DEVICE IN THE PANEL. LUGS SHALL HAVE SAME CAPACITY AS INCOMING MAINS. BUS BARS SHALL BE COPPER, PHASE EQUENCED, FULLY INSULATED, CONTINUOUS FOR EACH PHASE, AND RATED AS INDICATED ON PLANS. LUGS SHALL BE RATED FOR 75 DEGREE C TERMINATIONS. INTERORS SHALL BE CONVERTIBLE FOR TOP OR BOTTOM INCOMING FEED. PROTECTIVE DEVICES SHALL BE BOLT-IN MOLDED CASE CIRCUIT BREAKERS (MAXIMUM OF 42 DEVICES EXCLUDING MAIN BREAKER) WITH THERMAL AND MAGNETIC TRIP ELEMENTS IN EACH POLE. ALL BREAKERS SHALL HAVE HANDLE TRIP INDICATION AND A TRIP INDICATOR IN WINDOW OF CIRCUIT BREAKER HOUSING. MAIN BREAKERS SHALL BE UL LISTED FOR USE WITH SHUNT, UNDER VOLTAGE, AND GROUND FAULT SHUNT TRIPS; AUXILIARY AND ALARM SWITCHES; AND MECHANICAL LUG KITS. BRANCH BREAKERS SHALL BE UL LISTED FOR USE WITH SHUNT TRIPS. AUXILIARY AND ALARM SWITCHES FINISH SHALL BE CORROSION RESISTANT, ZINC FINISH GALVANNEAL. FRONTS SHALL BE POWDER FINISH PAINTED ANSI 61 GRAY. PANEL BOARDS TO BE SQUARE D, GENERAL ELECTRIC, OR SIEMENS.

FIRE ALARM NOTES:


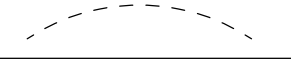
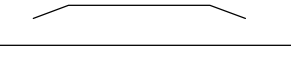
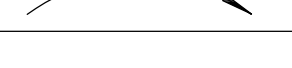
- ALL NEW FIRE ALARM DEVICES SHALL BE ADA APPROVED.
- ALL AUDIO/VISUAL DEVICES SHALL MATCH EXISTING FACILITY STANDARDS IN ALL ASPECTS.
- ALL FIRE ALARM DEVICE ARE TO BE CONNECTED TO THE BASE BUILDING FIRE ALARM SYSTEM BY A NICET LEVEL 3 LICENSED INSTALLER AND SHALL BE APPROVED BY THE LANDLORD.
- CONFIRM EXISTING AV LOADS PRIOR TO BEGINNING CONSTRUCTION AND PROVIDE NEW FIRE ALARM POWER SUPPLIES WITHIN THE TENANT SPACE AS REQUIRED.
- ALL WORK ASSOCIATED WITH THE FIRE ALARM SYSTEM SHALL BE COORDINATED WITH THE BUILDINGS CHIEF ENGINEER.
- CONTRACTOR SHALL RE-TEST FIRE ALARM SYSTEM PRIOR TO TURNING OVER SPACE TO TENANT TO VERIFY ALL DEVICES ARE WORKING PROPERLY AND SYNCED PER CODE. CONTRACTOR SHALL PROVIDE REPORT TO LANDLORD, TENANT AND FIRE MARSHALL CONFIRMING BUILDING FIRE ALARM SYSTEM IS IN PROPER WORKING CONDITION.
- CONTRACTOR SHALL PROVIDE (1) 3/4" C WITH FULL STRING ROUTED FROM THE FIRE ALARM CONTROL PANEL TO NEW FIV WHEN INSTALLED FOR FIRE ALARM SIGNAL WIRING. COORDINATE LOCATION OF FIV WITH CIVIL ENGINEER.

VOICE/DATA AND SECURITY NOTES:

- PROVIDE OUTLET BOX WITH 1" CONDUIT (UNLESS NOTED OTHERWISE ON PLANS) TO 6" ABOVE ACCESSIBLE CEILING FOR ALL WALL MOUNTED VOICE/DATA AND SECURITY DEVICES.
- PROVIDE POWER FOR SECURITY DEVICES AS REQUIRED.

SHOP DRAWING AND PRODUCT DATA SUBMITTALS:

- SHOP DRAWINGS AND/OR PRODUCT DATA SHALL BE SUBMITTED FOR THE FOLLOWING FOR REVIEW:
 - SWITCHBOARDS, PANELBOARDS, TRANSFORMERS, BUSWAY, MOTOR CONTROL CENTERS, GROUND FAULT SYSTEM AND OTHER EQUIPMENT ASSOCIATED WITH THE MAIN DISTRIBUTION DISCONNECT SWITCHES, FUSES, MOTOR STARTERS.
 - LIFE SAFETY SYSTEM.
 - LIGHTING FIXTURES, LIGHTING CONTROL SYSTEM, DIMMING SYSTEM, EMERGENCY BATTERIES AND OTHER EQUIPMENT ASSOCIATED WITH LIGHTING.
 - TRANSIENT VOLTAGE SURGE PROTECTION.
 - GENERATOR, UPS, TRANSFER SWITCHES, BATTERIES, STATIC SWITCHES, TRANSITION SWITCHES, SWITCHGEAR AND OTHER EQUIPMENT ASSOCIATED WITH EMERGENCY AND/OR STANDBY BACK-UP POWER SYSTEMS.
 - DEVICES, RECEPTACLES, SWITCHES, COVERPLATES, MOTION SENSORS. THE PRODUCT DATA SHALL INCLUDE THE MANUFACTURERS NAME, MODEL NUMBER, SIZE AND COLOR.
 - CONDUIT, WIRE, BOXES, FITTINGS.
- ALL SHOP DRAWINGS AND SUBMITTALS SHALL INCLUDE A STAMPED INDICATION SIGNIFYING THAT THE SUBMITTAL HAS BEEN REVIEWED FOR COMPLIANCE WITH THE CONTRACT DOCUMENTS BY THE CONTRACTOR. THIS STAMPED INDICATION ALSO REPRESENTS THE FACT THAT THE CONTRACTOR HAS CHECKED THIS SUBMITTAL FOR ITS INTERACTION WITH ALL OTHER DIVISIONS AND CERTIFIED BY HIS SIGNATURE OR INITIALS THAT ALL COORDINATION HAS TAKEN PLACE. THE STAMP SHALL INCLUDE THE DATE, NAME OF THE CONTRACTING FIRM, THE SIGNATURE OF THE CONTRACTOR, CERTIFICATION OF COMPLIANCE AND APPROVAL. THIS STAMP SHALL BE ON THE SUBMITTAL BEFORE THE ENGINEER WILL REVIEW IT.

ELECTRICAL LEGEND		
SYMBOL	DESCRIPTION	MOUNTING HEIGHT ON CENTER (COORD WITH ARCH)
	CONDUIT RUN CONCEALED IN WALL OR CEILING	
	CONDUIT RUN CONCEALED IN THE FLOOR, UNDERGROUND, OR UNDER THE ELEVATED SLAB	
	CONDUIT RUN EXPOSED. ROUTE PARALLEL/PERPENDICULAR TO WALLS AND STRUCTURE	
	CIRCUITS HOMERUN TO THE PANEL	

ABBREVIATIONS	
AFF	ABOVE FINISHED FLOOR
E.C.	EMPTY CONDUIT WITH FULL STRING
NL	NIGHT LIGHT - ON 24 HOURS
Sm	MOTOR RATED SWITCH
TBD	TO BE DETERMINED
UNO	UNLESS NOTED OTHERWISE
WP	WEATHER PROOF
XFMR	TRANSFORMER



NO.	DATE	REVISION

Rosenfeld Park Improvements
2088 Glacier Drive
 Tucker, Georgia
NOTES & LEGEND - ELECTRICAL



Project Manager: Adam Shelton, P.E.	
Drawn By: JP	Checked By: WK
Date: 05/15/2026	
Scale: As Shown	

Project No.:	26116
Drawing No.:	E-0.1

CONWAY & OWEN
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 1455 Bluegrass Lakes Pkwy.
 Alpharetta, Ga 30004
 P: (678)350-9000 F: (678)350-9010

COMcheck Software Version 4.1.5.5
Exterior Lighting Compliance Certificate

Project Information

Energy Code: 2015 IECC
 Project Title: Rosenfeld Park Improvements
 Project Type: Alteration
 Exterior Lighting Zone: 2 (Residentially zoned area (L2Z))

Construction Site: 2088 Glacier Drive, Tucker, GA 30087
 Owner/Agent:
 Designer/Contractor: James Payne, Conway & Owen, 1455 Bluegrass Lakes Pkwy, Alpharetta, GA 30004

Allowed Exterior Lighting Power

Area/Surface Category	B Quantity	C Allowed Watts / Unit	D Tradable Wattage	E Allowed Watts (B X C)
Special feature area	56579 ft ²	0.14	Yes	7921
Total Tradable Watts (a) =				7921
Total Allowed Watts =				7921
Total Allowed Supplemental Watts (b) =				800

(a) Wattage tradeoffs are only allowed between tradable areas/surfaces.
 (b) A supplemental allowance equal to 800 watts may be applied toward compliance of both non-tradable and tradable areas/surfaces.

Proposed Exterior Lighting Power

Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
Special feature area (56579 ft ²): Tradable Wattage				
LED 1: T. Tennis Court Lighting, Other:	3	4	1820	8480
Total Tradable Proposed Watts =				8480

Exterior Lighting PASSES

Exterior Lighting Compliance Statement

Compliance Statement: The proposed exterior lighting alteration project represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed exterior lighting systems have been designed to meet the 2015 IECC requirements in COMcheck Version 4.1.5.5 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

James Payne
 Name - Title: _____ Signature: _____ Date: 04/10/2026

Project Title: Rosenfeld Park Improvements Report date: 04/10/26
 Data filename: H:\X - Project Specific Folders\26116 - Keckwood - Rosenfeld Park (Tucker)\Calcs\EI26116 - COMCHECK LIGHTING.cck Page 1 of 5

COMcheck Software Version 4.1.5.5
Inspection Checklist
 Energy Code: 2015 IECC

Requirements: 0.0% were addressed directly in the COMcheck software. Text in the "Comments/Assumptions" column is provided by the user in the COMcheck Requirements screen. Each requirement, the user certifies that a code requirement will be met and how that is documented, or that a code requirement is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided.

Section # & Req. ID	Plan Review	Complies?	Comments/Assumptions
C103.2 (PR8) ¹	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the exterior lighting and electrical systems and equipment to the standard are claimed. Information provided should include exterior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)
 Project Title: Rosenfeld Park Improvements Report date: 04/10/26
 Data filename: H:\X - Project Specific Folders\26116 - Keckwood - Rosenfeld Park (Tucker)\Calcs\EI26116 - COMCHECK LIGHTING.cck Page 2 of 5

Section # & Req. ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.2.5 (EL25) ¹⁰	Automatic lighting controls for exterior lighting installed. Controls will be daylight controlled, set based on business operation time-of-day, or reduce connected lighting > 30%.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)
 Project Title: Rosenfeld Park Improvements Report date: 04/10/26
 Data filename: H:\X - Project Specific Folders\26116 - Keckwood - Rosenfeld Park (Tucker)\Calcs\EI26116 - COMCHECK LIGHTING.cck Page 3 of 5

Section # & Req. ID	Final Inspection	Complies?	Comments/Assumptions
C405.5.1 (F119) ¹	Exterior lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	See the Exterior Lighting Fixture schedule for values.

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)
 Project Title: Rosenfeld Park Improvements Report date: 04/10/26
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Project Title: Rosenfeld Park Improvements Report date: 04/10/26
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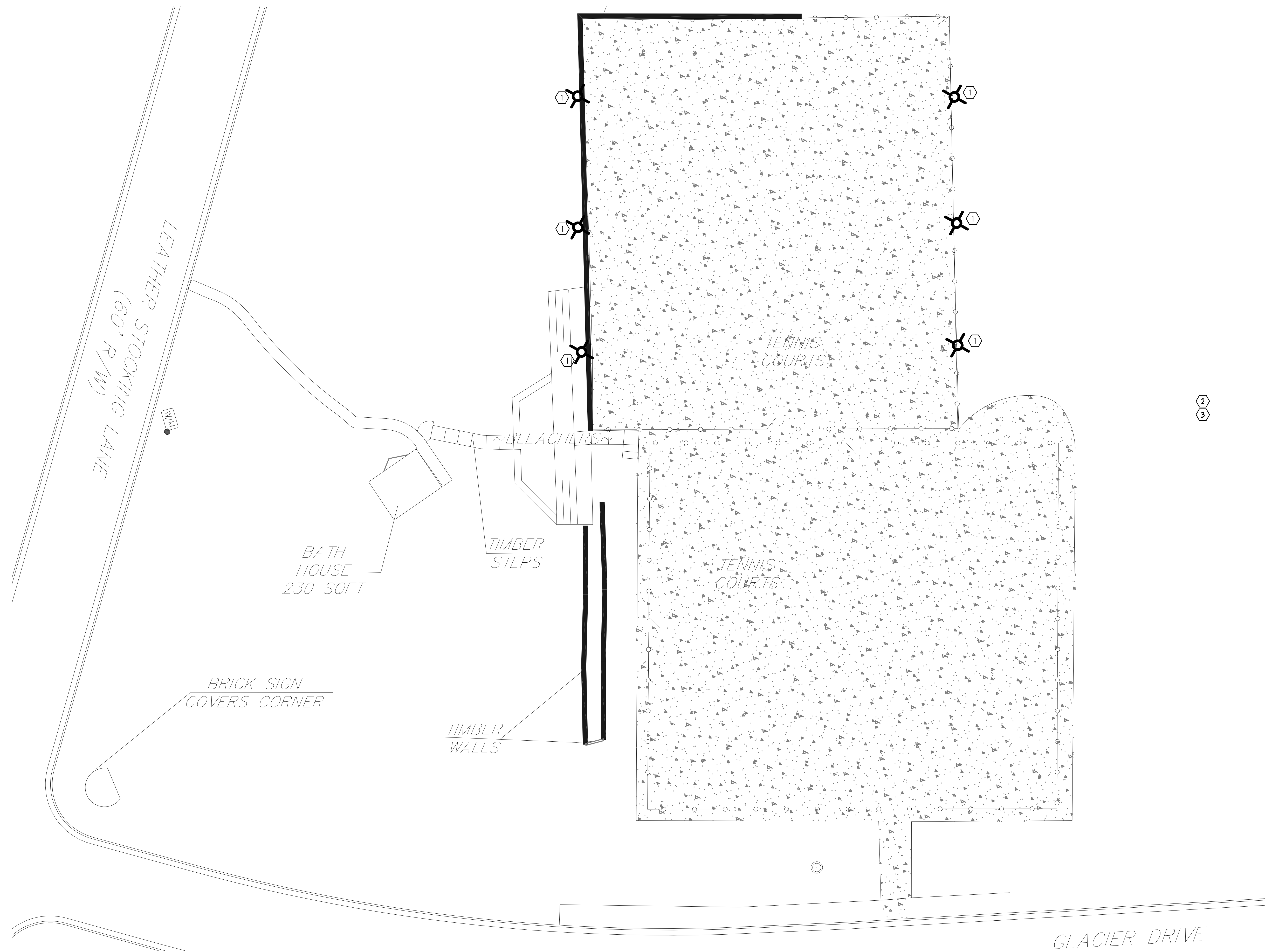
NO.	DATE	REVISION

Rosenfeld Park Improvements
 2088 Glacier Drive
 Tucker, Georgia
COMCHECK - ELECTRICAL

THIS BAR IS 1 INCH LONG PLOTTED FULL SCALE

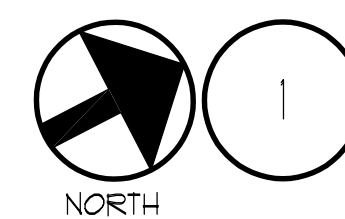
Project Manager: Adam Shelton, P.E.
 Drawn By: JP Checked By: WK
 Date: 05/15/2026
 Scale: As Shown

Project No.: 26116
 Drawing No.: E-0.2



DEMOLITION NOTES:

1. CONTRACTOR SHALL VISIT THE SITE AND INSPECT THE ELECTRICAL SYSTEMS TO DETERMINE THE EXTENT OF THE WORK REQUIRED.
2. REMOVE FROM THE SITE ALL REMOVED ELECTRICAL ITEMS NOT REQUESTED TO BE RETURNED TO THE OWNER.
3. ALL ABANDONED WIRE SHALL BE REMOVED.
4. ALL ABANDONED CONDUIT AND BOXES SHALL BE REMOVED UNLESS NOTED OTHERWISE.
5. VERIFY COMPLETE SCOPE OF DEMOLITION AREA WITH OWNER PRIOR TO BEGINNING WORK. FIELD VERIFY COMPLETE SCOPE AS REQUIRED.



FLOOR PLAN - DEMOLITION

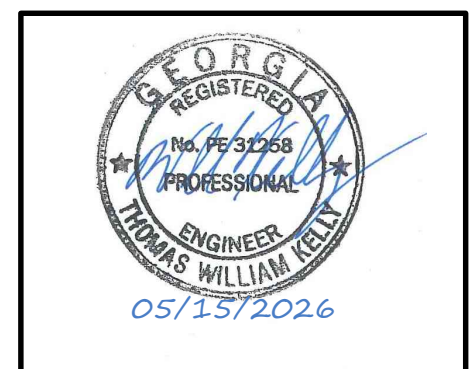
SCALE: 1/8" = 1'-0"

KEY NOTE (APPLIES TO THIS SHEET ONLY):

- ① REMOVE EXISTING LIGHTING FIXTURE AND ASSOCIATED CONDUITS/WIRES BACK TO EXISTING TIMECLOCK SERVING THIS AREA.
- ② EXISTING JUNCTION BOX TO BE REMOVED AND REPLACED WITH 200A 120/240V PANEL. SEE SHEET E-4.0 FOR FURTHER INFORMATION.
- ③ EXISTING TIMECLOCK TO BE REMOVED.

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Rosenfeld Park Improvements
 2088 Glacier Drive
 Tucker, Georgia

DEMOLITION - ELECTRICAL

THIS BAR IS
 1 INCH LONG
 PLOTTED FULL SCALE

Project Manager: Adam Shelton, P.E.	
Drawn By: JP	Checked By: WK
Date: 05/15/2026	
Scale: As Shown	

Project No.:	26116
Drawing No.:	E-1.0

Pole/Fixture Summary								
Pole ID	Pole Height	Mtg Height	Fixture Qty	Luminaire Type	Load	Circuit		
T1-T4	50'	50'	3	TLC-LED-550	1.62 kW	A		
4			12		6.48 kW			
Circuit Summary								
Circuit	Description	Load	Fixture Qty					
A	Tennis	6.48 kW	12					
Fixture Type Summary								
Type	Source	Wattage	Lumens	L90	L80	L70	Quantity	
TLC-LED-550	LED 5700K - 75 CRI	540W	67,000	>120,000	>120,000	>120,000	12	
Single Luminaire Amperage Draw Chart								
Driver Specifications				Line Amperage Per Luminaire (max draw)				
90 min power factor								
Single Phase Voltage	208	220	240	277	347	380	480	
	(60)	(60)	(60)	(60)	(60)	(60)	(60)	
TLC-LED-550	3.2	3.0	2.8	2.4	1.9	1.8	1.4	
Light Level Summary								
Calculation Grid Summary								
Grid Name	Calculation Metric	Illumination					Circuits	Fixture Qty
Tennis	Horizontal Illuminance	Ave	Min	Max	Max/Min	Ave/Min	A	12
Tennis Spill	Horizontal Illuminance	0.000	0.0000	0.0026	-	-	A	12
Tennis Spill	Max Vertical Illuminance Metric	0.002	0.0000	0.0086	-	-	A	12
Tennis Spill Max Candela	Max Candela (by Fixture)	32.129	0.0000	132.8968	-	-	A	12

Grid Summary	
Name	Tennis
Size	3 Court - 12' Spacing
Spacing	20.0' x 20.0'
Height	3.0' above grade
Illumination Summary	
MAINTAINED HORIZONTAL FOOTCANDLES	
Entire Grid	
Guaranteed Average	30
Scan Average	33.6
Maximum	37.41
Minimum	29.21
Avg/Min	1.15
Guaranteed Max/Min	2.5
Max/Min	1.28
UG (adjacent pts)	0.00
CU	0.74
LUMINAIRE INFORMATION	
No. of Points	15
Applied Circuits	A
No. of Luminaires	12
Total Load	6.48 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

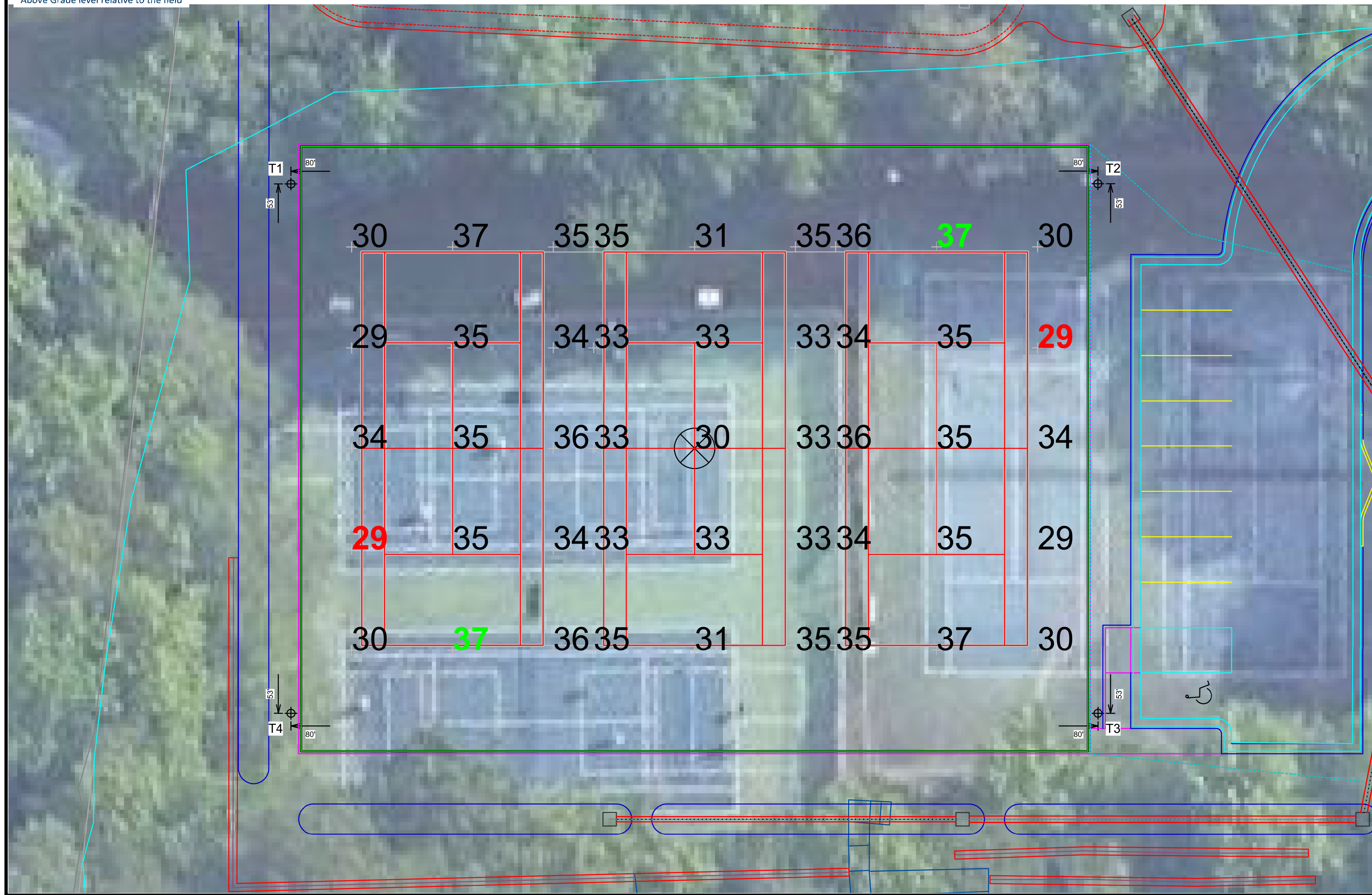
Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

Equipment List For Areas Shown									
Pole					Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	ABOVE GRADE LEVEL	LUMINAIRE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS	
4	T1-T4	50'	-	50'	TLC-LED-550	3	3	0	
4				Totals		12	12	0	

*Above Grade level relative to the field



NO.	DATE	REVISION

Rosenfeld Park Improvements
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PHOTOMETRICS - ELECTRICAL

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 Adam Shelton, P.E.

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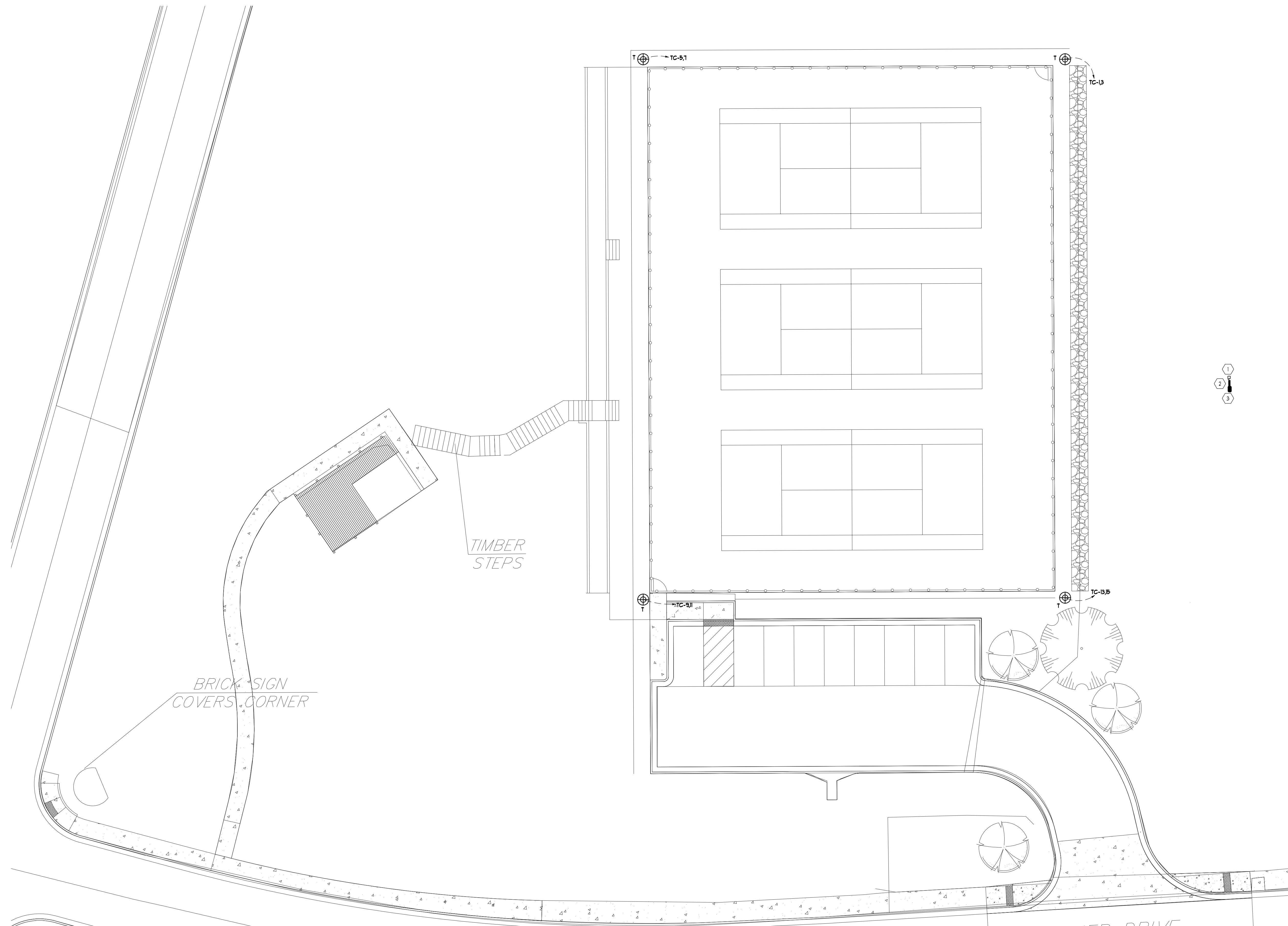
Date: 05/15/2026

Scale: As Shown

Project No.: 26116

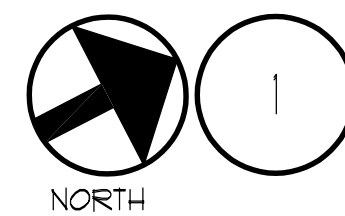
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GENERAL NOTES: (APPLY TO THIS SHEET ONLY)

1. SEE LIGHTING DESIGNERS PLANS FOR EXACT LOCATION OF ALL FIXTURES.
2. COORDINATE EXACT LOCATION AND MOUNTING REQUIREMENTS FOR ALL FIXTURES WITH LIGHTING DESIGNER PRIOR TO ROUGH-IN.
3. FIELD VERIFY EXISTING CONDITION. REPORT ANY DISCREPANCIES TO ENGINEER PRIOR TO WORK.
4. FOR LIGHTING FIXTURES SHOWN ON THIS SHEET, SEE LIGHTING FIXTURE SCHEDULE ON SHEET E-4.0 FOR FURTHER INFORMATION.
5. COORDINATE EXACT LOCATION AND ORIENTATION OF LIGHTING FIXTURES WITH LIGHTING VENDOR PRIOR TO INSTALLATION.



FLOOR PLAN - LIGHTING & POWER

SCALE: 1/16" = 1'-0"

KEY NOTES: (APPLY TO THIS SHEET ONLY)

- ① EXISTING SERVICE DISCONNECT.
- ② LOCATION OF PANEL 'TC'. SEE SHEET E-4.0 FOR FURTHER INFORMATION.
- ③ NEW MUSCO LIGHTING CONTROL SYSTEM TO BE INSTALLED. COORDINATE EXACT LOCATION AND ALL REQUIREMENTS WITH MUSCO LIGHTING PRIOR TO INSTALLATION.

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LIGHTING & POWER - ELECTRICAL

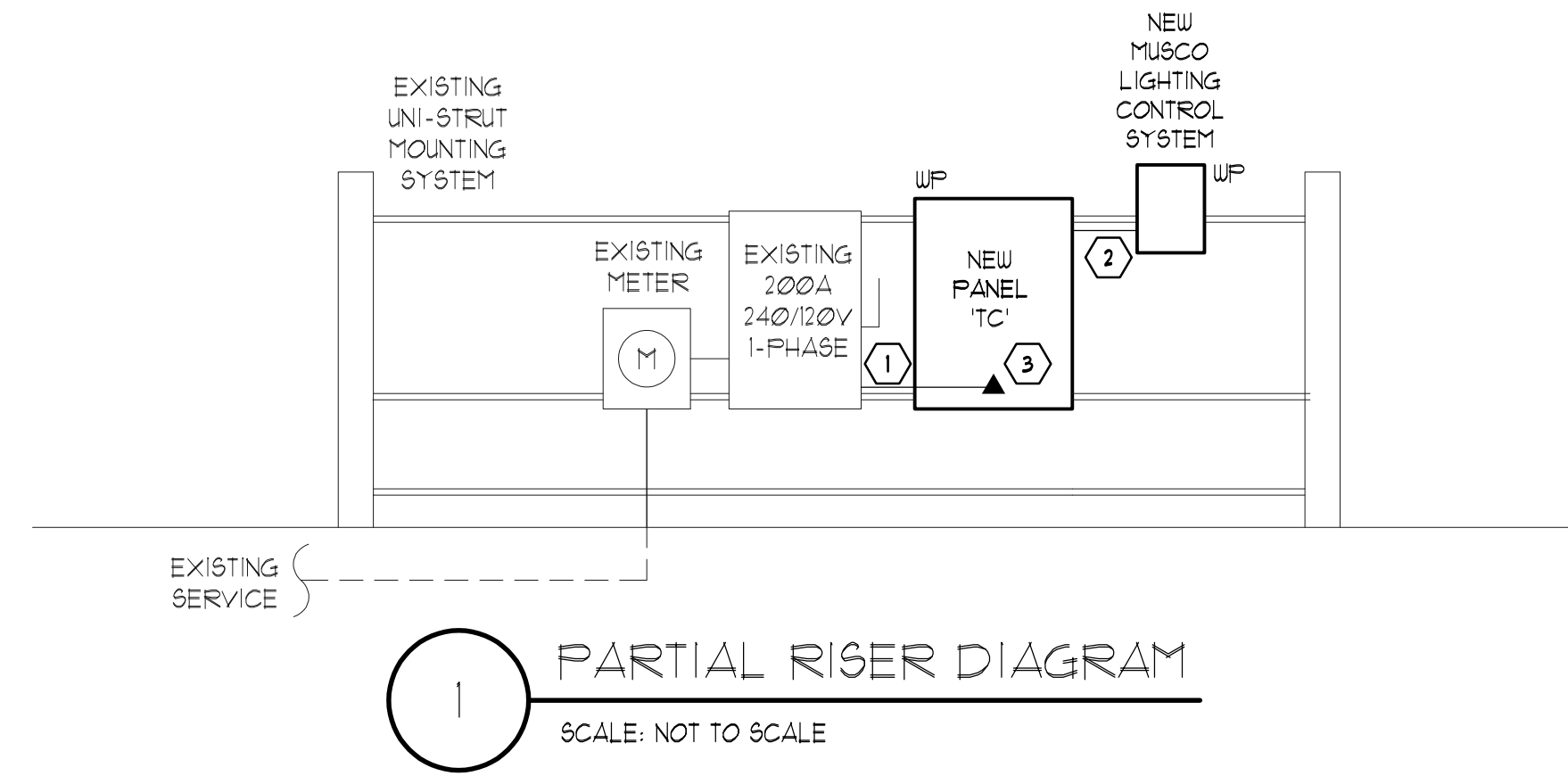
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Project Manager:
 Adam Shelton, P.E.
 Drawn By: JP
 Checked By: WK
 Date: 05/15/2026
 Scale: As Shown

Project No.:
26116
 Drawing No.:
E-3.0

ELECTRICAL GENERAL NOTES:

- ALL ELECTRICAL PANELS SHALL BE PROVIDED WITH HINGED AND LOCKABLE DOORS.
- ALL CONDUCTORS SHOWN ON THE ELECTRICAL RISER DIAGRAM SHALL BE COPPER UNLESS NOTED OTHERWISE. CONDUCTORS FOR SIZES NO. 10 AND SMALLER SHALL BE TYPE "THHN" OR "THHN/THWN". CONDUCTORS FOR SIZES NO. 8 AND LARGER SHALL BE TYPE "XHHW".
- ALL CONDUITS SHALL BE EMT CONDUITS UNLESS NOTED OTHERWISE.
- PROVIDE PANEL SCHEDULES FOR ALL PANELS. ALL PANEL SCHEDULES SHALL BE PRINTED LABELS (NOT HAND WRITTEN).
- PROVIDE ARC-FLASH WARNING LABELS ON ALL ELECTRICAL EQUIPMENT PER NEC 110.16
- PANELBOARDS SUPPLIED BY A FEEDER SHALL BE FIELD MARKED WITH A CONSPICUOUS AND PERMANENT LABEL THAT INDICATES THE DEVICE OR EQUIPMENT WHERE THE POWER SUPPLY ORIGINATES PER NEC 408.4(B).
- DISCONNECTS SHALL BE FIELD MARKED WITH A CONSPICUOUS AND PERMANENT LABEL THAT INDICATES ITS PURPOSE PER NEC 110.22
- ELECTRICAL SERVICE EQUIPMENT SHALL BE FIELD MARKED WITH A CONSPICUOUS AND PERMANENT LABEL THAT INDICATES THE AVAILABLE FAULT CURRENT PER NEC 110.24



RISER DIAGRAM KEY NOTES:

- PROVIDE 3/8", 16G, 2-1/2" C. WIRE IF EXISTING WIRE/FEED IS FOUND TO BE FAULTY.
- VERIFY ALL MUSCO CONTROL FEED REQUIREMENTS WITH LIGHTING VENDOR AND INSTALL AS SPECIFIED BY MANUFACTURER.
- VERIFY EXISTING AIC RATING AND MATCH IN ALL ASPECTS.

NEW PANELBOARD "TC"											
VOLTAGE:		120 / 240		1 PHASE 3 WIRE		MAIN: 200A MLO		MOUNTING:		NEMA 3R	
BUS SIZE:		225 AMPs		FAULT DUTY:		EXISTING AIC		SURFACE			
CKT NO	DESCRIPTION	LOAD	NOTE	BKR	PHASE		BKR	NOTE	LOAD	DESCRIPTION	CKT NO
					A	B					
1	TENNIS COURT LIGHTING	0.8	1	20/2	1.3		20/1		0.5	MUSCO CONTROL	2
3	TENNIS COURT LIGHTING	0.8				0.8	20/1		0.0	SPACE	4
5	TENNIS COURT LIGHTING	0.8	1	20/2	0.8		20/1		0.0	SPACE	6
7	TENNIS COURT LIGHTING	0.8				0.8	20/1		0.0	SPACE	8
9	TENNIS COURT LIGHTING	0.8	1	20/2	0.8		20/1		0.0	SPACE	10
11	TENNIS COURT LIGHTING	0.8				0.8	20/1		0.0	SPACE	12
13	TENNIS COURT LIGHTING	0.8	1	20/2	0.8		20/1		0.0	SPACE	14
15	TENNIS COURT LIGHTING	0.8				0.8	20/1		0.0	SPACE	16
17	SPACE	0.0				0.0			0.0	SPACE	18
19	SPACE	0.0				0.0			0.0	SPACE	20
LIGHTING:		6.5	x 125%	8.1	BUS KVA		NOTES:		1 ROUTE THROUGH MUSCO CONTROL SYSTEM		
RECEPT:		0.0	x NEC 220.47	0.0	A	B					
MOTORS:		0.0	x 100%	0.0	3.1	3.2					
A/C:		0.0	x 100%	0.0							
HEATING:		0.0	x 100%	0.0							
KITCHEN:		0.0	x NEC 220.56	0.0							
NON-CONT.:		0.5	x 100%	0.5							
TOTAL KVA		7.0	CALC KVA	8.6							
TOTAL AMPs		29.1	CALC AMPs	35.8							

LIGHTING FIXTURE SCHEDULE						
FIXTURE TYPE	SYMBOL	DESCRIPTION	INPUT WATTS	LAMPS	MANUFACTURER	NOTES
T	⊕	LED LIGHT-STRUCTURE SYSTEM MOUNTED ON 50' POLES. VERIFY ALL REQUIREMENTS WITH MUSCO PRIOR TO INSTALLATION.	540W PER LUMINAIRE	LED/5100K/ 67000 LUMENS	MUSCO *TLC-LED-550	3 LUMINAIRES PER POLE

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