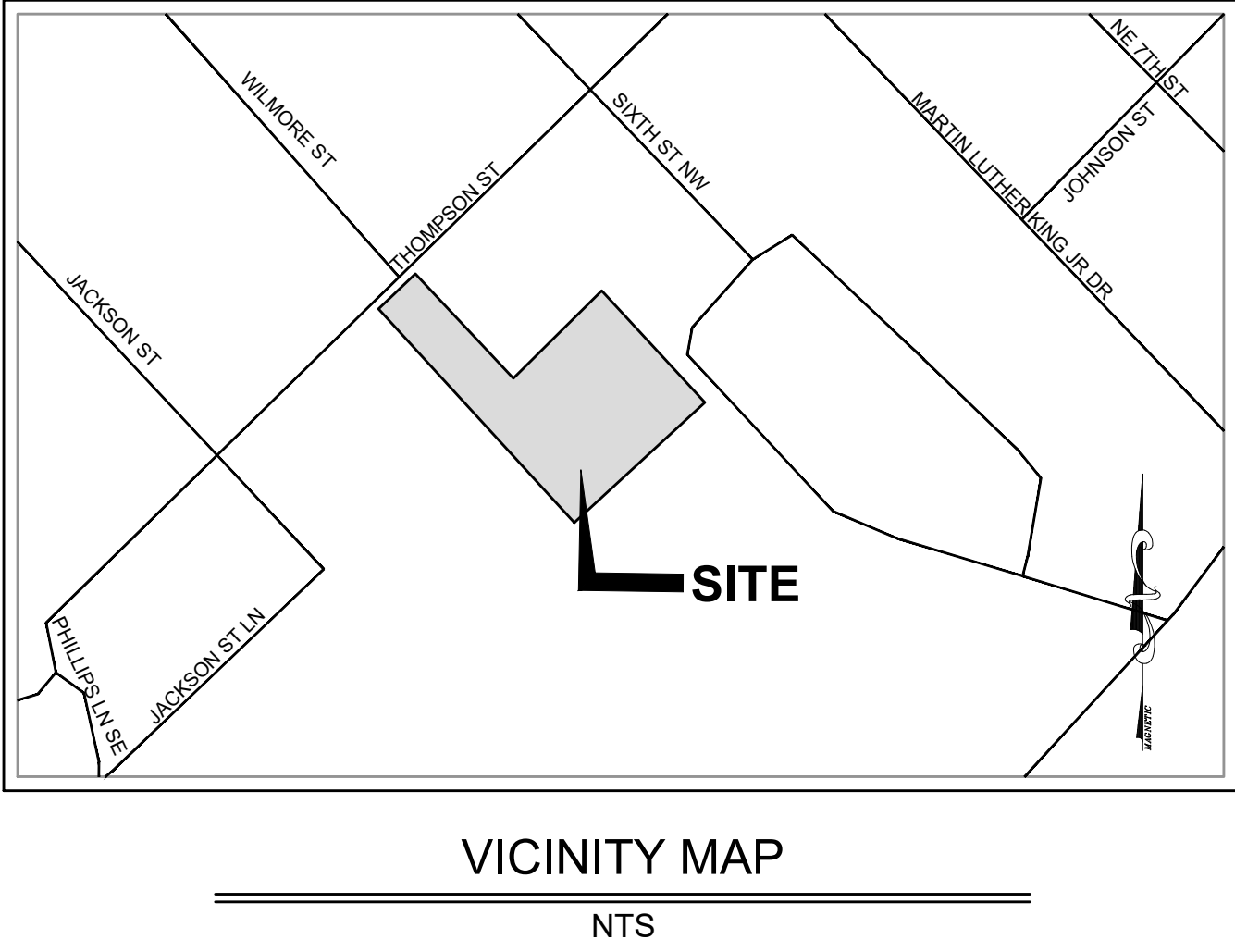




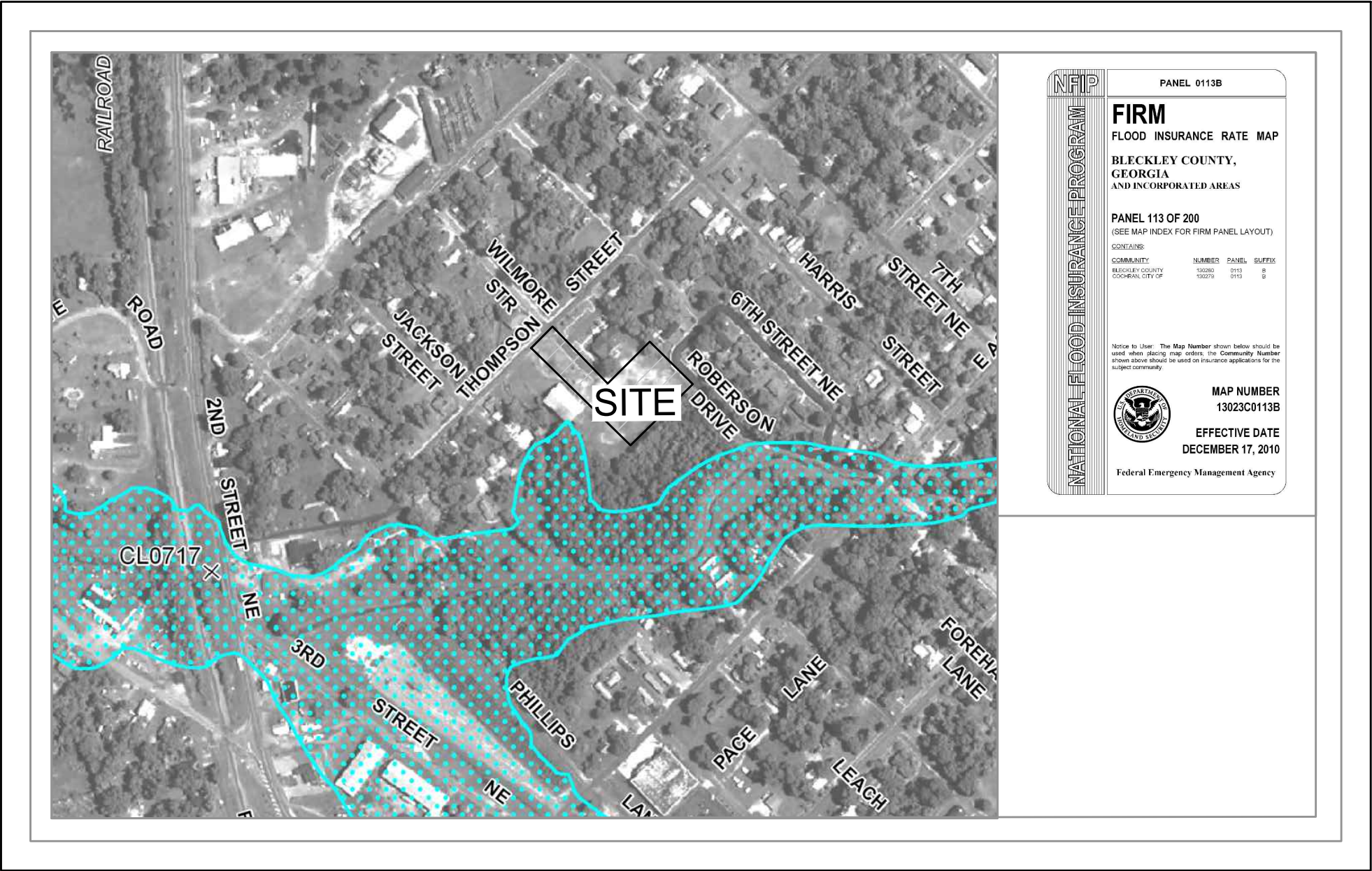
MAYOR	BILLY YEOMANS
COUNCIL MEMBER	TRICIA GARDENER
COUNCIL MEMBER	CARLA COLEY
COUNCIL MEMBER	LONNIE TEDDERS
COUNCIL MEMBER	GARY ATES
COUNCIL MEMBER	SHANE SAVANT
COUNCIL MEMBER	DIANNE LESTER
CITY MANAGER	RICHARD NEWBERN

LAND LOTS 175, 21ST DISTRICT  
CITY OF COCHRAN, GEORGIA

OWNER/DEVELOPER: THE CITY OF COCHRAN 112 WEST DYKES STREET COCHRAN, GA 31014 PHONE: (478) 934-6346 RNEWBERN@CITYOFCOCHRAN.COM	24 HOUR CONTACT: RICHARD NEWBERN PHONE: (478) 534-6346	SURVEYOR: FALCON DESIGN CONSULTANTS, LLC 235 CORPORATE CENTER DR., SUITE 200 STOCKBRIDGE, GA 30281 PHONE: (770) 389-8666	ENGINEER: FALCON DESIGN CONSULTANTS, LLC 235 CORPORATE CENTER DR., SUITE 200 STOCKBRIDGE, GA 30281 PHONE: (770) 389-8666
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Sheet List Table	
Sheet Number	Sheet Title
1.0	COVER SHEET
2.0	GENERAL NOTES
2.1	EROSION CONTROL NOTES
2.2	NPDES NOTES
2.3	ESPCP CHECKLIST
3.0	EXISTING CONDITIONS/ DEMO
4.0	EROSION CONTROL PLAN - INITIAL PHASE
5.0	EROSION CONTROL PLAN- INTERMEDIATE PHASE
6.0	EROSION CONTROL PLAN - FINAL PHASE
7.0	SITE PLAN
8.0	GRADING & DRAINAGE PLAN
9.0 - 9.1	EROSION CONTROL DETAILS
10.0	CONSTRUCTION DETAILS
11.0	LANDSCAPE PLAN
11.1	LANDSCAPE DETAILS



N.T.S.

## FLOOD NOTE

AS SHOWN ON FLOOD INSURANCE RATE MAPS OF A CITY OF COCHRAN, GEORGIA  
COMMUNITY PANEL NUMBER: 13023C0113B EFFECTIVE DATE: DEC. 17, 2010,  
PORTIONS OF THESE PROPERTIES ARE LOCATED IN A FEMA FLOOD HAZARD  
ZONE.

## DEVELOPMENT DATA

<p>1. <b>OWNER / DEVELOPER</b>  THE CITY OF COCHRAN  112 WEST DYKES STREET  COCHRAN, GA 31014  PHONE: (478) 934-6346</p> <p><u>24 HOUR CONTACT:</u>  RICHARD NEWBERN  PHONE: (478) 534-6346</p>	<p>5. <b>FLOOD ZONE DATA</b>  THE PARCEL SHOWN HEREIN DOES LIE WITHIN A SPECIAL FLOOD HAZARD AREA PER F.I.R.M. PANEL 13023C0113B EFFECTIVE DATE DEC. 17, 2010.</p> <p>PROJECT RECEIVING WATERS: UNNAMED TRIBUTARY OF JORDAN CREEK</p>						
<p>2. <b>ENGINEER</b>  FALCON DESIGN CONSULTANTS, LLC  235 CORPORATE CENTER DR., SUITE 200  STOCKBRIDGE, GA 30281  PHONE: (770) 389-8666</p>	<p>6. <b>PROPERTY ADDRESS</b>  THOMPSON ST IN CITY OF COCHRAN</p>						
<p>3. <b>SOURCE OF DATA</b>  FALCON DESIGN CONSULTANTS, LLC  235 CORPORATE CENTER DR., SUITE 200  STOCKBRIDGE, GA 30281  PHONE: (770) 389-8666</p>	<p>7. <u>SITE REQUIREMENTS</u>  PROJECT AREA</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">OVERALL DEVELOPMENT</td><td style="width: 20%; text-align: center;">1.18 ACRES</td></tr> <tr> <td>TOTAL DISTURBED AREA</td><td style="text-align: center;">0.67 ACRES</td></tr> <tr> <td>IMPERVIOUS AREA</td><td style="text-align: center;">0.17 ACRES</td></tr> </table>	OVERALL DEVELOPMENT	1.18 ACRES	TOTAL DISTURBED AREA	0.67 ACRES	IMPERVIOUS AREA	0.17 ACRES
OVERALL DEVELOPMENT	1.18 ACRES						
TOTAL DISTURBED AREA	0.67 ACRES						
IMPERVIOUS AREA	0.17 ACRES						
<p>TOPOGRAPHIC &amp; BOUNDARY SURVEY PERFORMED BY:  FALCON DESIGN CONSULTANTS, LLC  DATED: MAY 8, 2018.</p>							
<p>4. <b>SITE LOCATION DATA</b>  THOMPSON ST IN CITY OF COCHRAN, GEORGIA</p> <p>THERE ARE NO STATE WATERS LOCATED WITHIN 200 FT. OF THE SITE</p>							

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**FALCON DESIGN  
CONSULTANTS**

---

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STOCKBRIDGE, GEORGIA 30281  
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**NEWNA OFFICE**  
40 GREENWAY CT. STE 4  
NEWNA, GEORGIA 30255  
Ph. (770) 555-7798

**CUMMING OFFICE**  
500 PIPERDALE DRIVE, SUITE 300  
CUMMING, GEORGIA 30048  
Ph. (678) 807-7100

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COVER SHEET  
FOR  
**WILLIE BASBY  
PARK**  
LOCATED IN:  
LAND LOTS 175, 21ST DISTRICT  
CITY OF COCHRAN, GEORGIA

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# 1.0



# GENERAL NOTES:

## GENERAL NOTES:

- CAUTION, UNDERGROUND SERVICE ALERT! THE CONTRACTOR SHALL TELEPHONE TOLL FREE 1-800-282-7411 OR 811 A MINIMUM OF 48 HOURS PRIOR TO THE START OF ANY EXCAVATION AS SHOWN AND NOTED ON THE APPROVED PLANS.
- ALL NECESSARY PERMITS TO PERFORM THE WORK AS SHOWN AND NOTED HEREON SHALL BE OBTAINED PRIOR TO THE START OF CONSTRUCTION FROM CITY OF COCHRAN.
- ALL CONSTRUCTION SHALL CONFORM TO ALL APPLICABLE RULES, REGULATIONS AND STANDARDS OF THE GEORGIA STATE D.O.T. (DEPARTMENT OF TRANSPORTATION) AND CITY OF COCHRAN.
- UNDERGROUND UTILITY LINE LOCATIONS (IF ANY) ARE APPROX. ONLY, AND IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXACT LOCATION OF ANY SUCH UTILITIES. UTILITIES SHOWN ON PLANS ARE FOR THE CONTRACTORS CONVENIENCE ONLY. THE ENGINEER ASSUMES NO RESPONSIBILITY TO VERIFY ALL UTILITY LOCATIONS. CONTRACTOR IS SOLELY RESPONSIBLE FOR ALL DAMAGES TO EXISTING UTILITIES. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY IF ANY EXISTING UTILITIES WILL EFFECT OR IMPEDE THE PROGRESSION OR COMPLETION OF THE DESIGN INTENT OF THESE CONSTRUCTION DOCUMENTS.
- THERE IS 100 YEAR FLOOD PLAIN ON THIS SITE PER FEMA FLOOD PLAIN COMMUNITY PANEL NUMBERS 13023C0113B DATED DEC. 17, 2010 OR CITY OF COCHRAN PANEL 113 OF 200 DATED 17 DEC 2010.
- THERE ARE NO STATE WATERS LOCATED WITHIN 200 FT. OF THIS PROJECT SITE.
- THE CONTRACTOR SHALL COORDINATE RELOCATION OF ANY EXISTING UTILITIES WITH THE APPROPRIATE UTILITY ENTITY PRIOR TO THE START OF ANY CONSTRUCTION.
- THE OWNER SHALL DIRECT THE CONTRACTOR AS TO WHAT EXISTING VEGETATION ON SITE SHALL BE REMOVED BEYOND THE CLEARING LIMITS AS SHOWN AND NOTED HEREON. THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION IN PROTECTING EXISTING TREES. COORDINATE ALL TREE REMOVAL WITH OWNER PRIOR TO THE START OF ANY CONSTRUCTION.
- MISCELLANEOUS MAPPING NOTES:  
  
A. UTILITIES SHOWN ARE LOCATIONS OF GROUND IDENTIFIABLE ITEMS. ADDITIONAL UTILITIES MAY EXIST ABOVE OR BELOW THE GROUND. THE SURVEYOR & ENGINEER ACCEPTS NO RESPONSIBILITY FOR THE COMPLETENESS OF THIS DATA.  
  
B. THIS PROPERTY IS SUBJECT TO ALL RIGHT-OF-WAYS & EASEMENTS SHOWN OR NOT SHOWN, RECORDED OR NOT RECORDED.  
  
10. THE CONTRACTOR SHALL REMOVE AND ABANDON EXISTING UTILITIES ONLY AFTER APPROVAL FROM ALL INTERESTED PARTIES. THESE FACILITIES MAY INCLUDE, BUT NOT BE LIMITED TO: EXISTING ON-SITE DRAINAGE PIPING, ON-SITE PRIVATE ELECTRICAL LINES AND APPURTENANCES, ABANDONED EROSION CONTROL DEVICES AND STRUCTURES. THE CONTRACTOR SHALL COORDINATE ANY AND ALL ABANDONMENT AND/OR RELOCATION WITH THE APPROPRIATE UTILITY COMPANIES OR ENTITY. ANY DISPOSAL OF SAID FACILITIES SHALL BE DONE IN ACCORDANCE WITH LOCAL UTILITY AND/OR GOVERNMENTAL REGULATIONS. RELOCATION AND/OR ABANDONMENT OF SAID FACILITIES AND/OR UTILITIES SHALL BE DONE AT THE EXPENSE OF THE OWNER/DEVELOPER. PERMITS (IF ANY) SHALL BE OBTAINED BY THE CONTRACTOR AND/OR OWNER/DEVELOPER.  
  
11. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INSURE THAT PRIOR TO ORDERING PROJECT MATERIALS, THAT THE MOST CURRENT SET OF CONSTRUCTION DOCUMENTS HAVE BEEN OBTAINED FROM THE PROJECT ENGINEER INCLUDING, BUT NOT LIMITED TO, THE PERMITTED SET(S) FROM ALL APPLICABLE AGENCIES AS APPROPRIATE. THE PROJECT ENGINEER ACCEPTS NO RESPONSIBILITY FOR IMPROPER ORDERING OF MATERIALS.  
  
12. ALL CONSTRUCTION MUST CONFORM TO CITY OF COCHRAN STANDARDS AND SPECIFICATIONS, WHETHER OR NOT REVIEW COMMENTS WERE MADE.  
  
13. ALL SILT BARRIERS MUST BE PLACED AS ACCESS IS OBTAINED DURING CLEARING. NO GRADING SHALL BE DONE UNTIL SILT BARRIER INSTALLATION AND STORMWATER MANAGEMENT FACILITIES ARE CONSTRUCTED.  
  
14. SILT BARRIERS TO BE PLACED AS SHOWN AND/OR AS DIRECTED BY PROJECT ENGINEER AND/OR THE CITY OF COCHRAN INSPECTOR.  
  
15. NOTIFY CITY OF COCHRAN INSPECTOR 24 HOURS PRIOR TO CONSTRUCTION.  
  
16. ALL AREAS USED AS BURIAL PITS DURING DEVELOPMENT MUST BE LOCATED OUTSIDE OF RIGHT-OF-WAY AND ARE TO BE LOCATED ON THE FINAL PLAT. GEORGIA DNR EPD REQUIREMENTS ARE TO BE MET: "NO PORTION OF WASTE DISPOSAL AREA SHALL BE LOCATED WITHIN ONE HUNDRED (100) LINEAR FEET OF ANY PROPERTY LINE OR ENCLOSED STRUCTURE."  
  
17. THE OWNER/DEVELOPER AND ENGINEER HAVE REVIEWED THE APPROPRIATE LOCAL, STATE, AND FEDERAL REGULATIONS REGARDING DEVELOPMENT ACTIVITIES ADJACENT TO FLOOD PLAINS AND WETLANDS AND HAVE DETERMINED THAT THIS DEVELOPMENT PLAN SATISFIES THE STANDARDS PRESENTED IN APPLICABLE REGULATIONS.  
  
18. WATER SERVICE TO BE PROVIDED BY CITY OF COCHRAN.  
  
19. ALL EROSION AND SEDIMENTATION CONTROLS, AND TREE PROTECTION MEASURES SHALL BE INSTALLED PRIOR TO GRADING.  
  
20. SIGNING AND STRIPING TO BE PROVIDED BY THE CONTRACTOR ACCORDING TO M.U.T.C.D. SPECIFICATIONS.  
  
21. ALL FILL AREAS MUST BE COMPACTED TO A MINIMUM OF 98% STANDARD PROCTOR.  
  
22. NO WOODY VEGETATION IS ALLOWED WITHIN 15' OF THE DOWNSTREAM TOE OF EARTHEN EMBANKMENT.  
  
23. ALL STORM PIPE AND STRUCTURES SHALL COMPLY WITH GADOT STANDARDS FOR DESIGN, CONSTRUCTION, AND INSTALLATION.  
  
24. INVERTS ON ALL STORM STRUCTURES SHALL BE PAVED SMOOTH.  
  
25. ALL STORMWATER STRUCTURES AND PONDS SHALL BE MAINTAINED BY THE PROPERTY OWNER.  
  
26. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SIGNING AND MAINTENANCE OF TRAFFIC CONTROL DURING CONSTRUCTION IN ACCORDANCE WITH THE MUTCD, GADOT, AND CITY OF COCHRAN STANDARDS.  
  
27. IF ANY CONFLICTS, DISCREPANCIES OR ANY OTHER UNSATISFACTORY CONDITIONS ARE DISCOVERED, EITHER ON CONSTRUCTION DOCUMENTS OR FIELD CONDITIONS THE CONTRACTOR MUST NOTIFY THE ENGINEER IMMEDIATELY AND SHALL NOT COMMENCE FURTHER OPERATION UNTIL THE CONFLICTS, DISCREPANCIES, OR OTHER UNSATISFACTORY CONDITIONS ARE RESOLVED.

## GRADING NOTES: PLACEMENT AND COMPACTION

- GROUND SURFACE PREPARATION: REMOVE VEGETATION INCLUDING GRASS, ROOTS, AND SURFICIAL ORGANICS, DEBRIS, UNSATISFACTORY SOIL MATERIALS, OBSTRUCTIONS, AND DELETERIOUS MATERIALS FROM GROUND SURFACE PRIOR TO PLACEMENT OF FILLS. PLOW STRIP, OR BREAK UP SLOPED SURFACES STEEPER THAN 1 VERT. TO 2 HORIZ. SO THAT FILL MATERIAL WILL BOND WITH EXISTING SURFACE. WHEN EXISTING GROUND SURFACE HAS A DENSITY LESS THAN THAT SPECIFIED UNDER COMPACTION FOR PARTICULAR AREA CLASSIFICATION, BREAK UP GROUND SURFACE, PULVERIZE, MOISTURE CONDITION TO OPTIMUM MOISTURE CONTENT, AND COMPACT TO REQUIRED DEPTH AND PERCENTAGE OF MAXIMUM DENSITY.
- PLACE BACKFILL AND FILL MATERIALS IN LAYERS NOT MORE THAN 12 INCHES IN LOOSE DEPTH FOR MATERIAL COMPACTED BY HEAVY COMPACTION EQUIPMENT AND NOT MORE THAN 6 INCHES IN LOOSE DEPTH FOR MATERIAL COMPACTED BY HAND-OPERATED TAMPERS.
- BEFORE COMPACTION, MOISTEN AND AERATE EACH LAYER AS NECESSARY TO PROVIDE OPTIMUM MOISTURE CONTENT. COMPACT EACH LAYER TO REQUIRED PERCENTAGE OF MAXIMUM DRY DENSITY OR RELATIVE DRY DENSITY FOR EACH AREA CLASSIFICATION. DO NOT PLACE BACKFILL OR FILL MATERIAL ON SURFACES THAT ARE MUDDY, FROZEN OR CONTAIN FROST OR ICE.
- COMPACT SUBGRADE AND EACH LAYER OF BACKFILL OF FILL MAT'L TO AT LEAST 98% OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY TO A DEPTH OF 6" BELOW BOTTOM OF FINAL GRADE.
- MOISTURE CONTROL: WHERE SUBGRADE OR LAYER OF SOIL MATERIAL MUST BE MOISTURE CONDITIONED BEFORE COMPACTION, UNIFORMLY APPLY WATER TO SURFACE OF SUBGRADE OR LAYER OF SOIL MAT'L. APPLY WATER IN MINIMUM QUANTITY AS NECESSARY TO PREVENT FREE WATER FROM APPEARING ON SURFACE DURING OR SUBSEQUENT TO COMPACTION OPERATIONS.
- REMOVE AND REPLACE, OR SCARIFY AND AIR DRY, SOIL MATERIAL THAT IS TOO WET TO PERMIT COMPACTION TO SPECIFIED DENSITY.
- SPREAD SOIL MATERIAL THAT HAS BEEN REMOVED BECAUSE IT IS TOO WET TO PERMIT COMPACTION. ASSIST DRYING BY DISCING, HARROWING, OR PULVERIZING UNTIL MOISTURE CONTENT IS REDUCED TO A SATISFACTORY VALUE.
- QUALITY CONTROL TESTING DURING CONSTRUCTION: ALLOW GEOTECHNICAL TESTING SERVICE TO INSPECT AND APPROVE EACH SUB-GRADE AND BACKFILL OR FILL LAYER BEFORE FURTHER BACKFILL OR CONSTRUCTION WORK IS PERFORMED. TEST SHALL BE PERFORMED EVERY 10,000 SQ. FT. OF AREA PER ONE FOOT LIFT (OR AS DIRECTED BY A REGISTERED GEOTECHNICAL ENGINEER.
- GEOTECHNICAL SPEC'S DEPICTED HEREON ARE GUIDELINES ONLY AND SHOULD BE VERIFIED BY A REGISTERED GEOTECHNICAL ENGINEER PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. RECOMMENDATIONS FROM A REGISTERED GEOTECHNICAL ENGINEER (IF ANY) SHALL SUPERSEDE THE ABOVE REFERENCED SPEC'S.
- THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER OF THE DISCOVERY OF ANY GROUNDWATER, SUBSURFACE SEEPAGE OR SPRINGS DURING THE COURSE OF CONSTRUCTION. IT SHALL BE THE RESPONSIBILITY OF THE OWNER TO CONSULT WITH A REGISTERED GEOTECHNICAL ENGINEER TO INSPECT THE SITE, AND TO MAKE ANY RECOMMENDATIONS REGARDING EVIDENCE AND REMEDIATION (IF ANY) OF SAID SUBSURFACE WATERS.
- ALL CUT AND FILL SLOPES (WITH THE EXCEPTION OF DETENTION AND SEDIMENT PONDS) SHALL BE LESS THAN OR EQUAL TO 2:1. POND SLOPES SHALL BE 3:1 UNLESS OTHERWISE NOTED.
- CITY OF COCHRAN ASSUMES NO RESPONSIBILITY FOR THE OVERFLOW OR EROSION OF NATURAL DRAINS OR THE MAINTENANCE OF STORM DRAINS BEYOND THE EXTENT OF THE STREET RIGHT OF WAY.

## HOW TO USE THESE DRAWINGS:

- THE PLANS, PROFILES, DETAILS, SPECIFICATIONS AND OTHER DESIGN APPURTENANCES CONTAINED HEREIN ARE FOR INFORMATION, PERMITTING, AND CONSTRUCTION PURPOSES. THESE DOCUMENTS ARE NOT VALID FOR CONSTRUCTION UNTIL SIGNED AND SEALED BY THE ENGINEER OF RECORD AND THE APPROPRIATE PERMITS ARE OBTAINED FROM LOCAL GOVERNING AUTHORITIES.
- ADDITIONAL PROVISIONS MAY BE REQUIRED DURING CONSTRUCTION DUE TO SITE CONDITIONS, WEATHER, OR REQUESTS BY THE INSPECTOR.
- THE FEATURES, DISTANCES, AND ANGLES ON THESE DRAWINGS SHALL NOT BE SCALED. IF THE NECESSARY DIMENSIONS ARE NOT PROVIDED, THE CONTRACTOR SHALL NOTIFY THE OWNER OR ENGINEER FOR CLARITY.
- PIPE LENGTHS ARE MEASURED TO THE CENTER OF THE STRUCTURES IN LINEAR HORIZONTAL FEET AND PIPE SIZES ARE MEASURED BY INSIDE DIAMETER IN INCHES UNLESS OTHERWISE NOTED.
- THE PROPOSED GRADING SHOWN ON THESE PLANS REPRESENTS THE FINISHED SURFACE ELEVATIONS UNLESS OTHERWISE NOTED.

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NEWNAS, GEORGIA 30255  
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GENERAL NOTES  
FOR  
WILLIE BASBY  
PARK  
LOCATED IN:  
LAND LOTS 175, 21ST DISTRICT  
CITY OF COCHRAN, GEORGIA

REVISIONS


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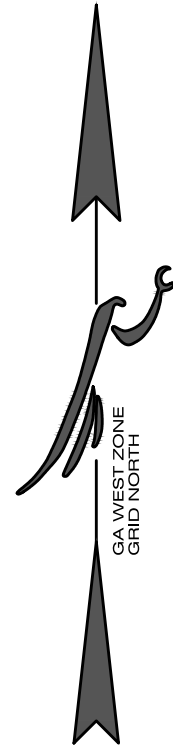
  
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SOURCE: USDA WEB SOIL SURVEY

Map Unit Symbol	Map Unit Name	Acres in ACI	Percent of ACI
CnB	Clarendon loamy sand, 0 to 3 percent slopes	4.7	37.9%
KB	Kinston-Bibb association, 0 to 2 percent slopes, frequently flooded	2.5	20.4%
TfB	Tifton loamy sand, 2 to 5 percent slopes	5.1	41.7%
<b>Totals for Area of Interest</b>		<b>12.3</b>	<b>100.0%</b>

FOR FURTHER EXPLANATION OF THE SYMBOLS AND CONSTRUCTION PRACTICES WE REFER YOU TO THE MANUAL FOR SEDIMENTATION AND EROSION CONTROL PER THE "SEDIMENTATION AND EROSION ACT OF 1975 FOR GEORGIA."

INITIAL PHASE	MONTH 1	MONTH 2	MONTH 3	MONTH 4	MONTH 5	MONTH 6	MONTH 7	END OF PROJECT
INSTALL CONSTRUCTION ENTRANCE, SILT FENCE, PONDS, OUTLET PROTECTION, DIVERSION DITCHES AND TREE PROTECTION FENCES								
CLEARING AND GRUBBING								
GRASSING								
MAINTENANCE OF EROSION, SEDIMENTATION, POLLUTION CONTROL, AND TREE PROTECTION MEASURES								
INTERMEDIATE PHASE								
GRADING, STORM DRAIN INSTALLATION, SD2-F, SD2-P AND OUTLET PROTECTION								
INSTALL UNDERGROUND UTILITIES								
GRASSING								
MAINTENANCE OF EROSION, SEDIMENTATION, POLLUTION CONTROL, AND TREE PROTECTION MEASURES								
FINAL PHASE								
CONSTRUCT BUILDING, PAVING AND SIDEWALKS								
FINAL LANDSCAPING AND GRASSING:								
MAINTENANCE OF EROSION, SEDIMENTATION, POLLUTION CONTROL, AND TREE PROTECTION MEASURES:								

**TOTAL SILT STORAGE PROVIDED: 51.01 CY.**

## 2.1



1. THE EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST IS PROVIDED ON SHEET 2.3.
2. LEVEL II CERTIFICATION, SIGNATURE, AND SEAL OF THE DESIGN PROFESSIONAL IS SHOWN ON ALL SHEETS.
3. THE LIMITS OF DISTURBANCE DO NOT EXCEED 50 ACRES. SEE SHEET 2.3 FOR APPENDIX 1 BMP'S AND EPD CERTIFICATION LETTER.
4. 24-HOUR CONTACT: RICHARD NEWBORN, PHD (903) 634-5344.
5. PRIMARY PERMITTEE INFORMATION IS PROVIDED ON SHEET 1.0.
6. TOTAL SITE AREA: 1.18 ACRES. TOTAL DISTURBED AREA: 0.67 ACRES.
7. CONSTRUCTION EXIT LOCATION IS 32.3943° LATITUDE, 83.3865° LONGITUDE. SEE SHEET 4.0 FOR PLAN VIEW.
8. INITIAL DATE OF AND REVISIONS MADE TO THE PLAN ARE SHOWN ON ALL SHEETS.
9. THE SITE IS CURRENTLY EXISTING PUBLIC PARK THE PROPOSED SITE CONDITION IS INSTALLING A WALKING TRAIL.
10. A VICINITY MAP IS PROVIDED ON SHEET 1.0.
11. THE PROJECT RECEIVING WATERS ARE UNNAMED TRIBUTARY, OF JORDAN CREEK.
12. "I CERTIFY UNDER PENALTY OF LAW THAT THIS PLAN WAS PREPARED AFTER A SITE VISIT TO THE LOCATIONS DESCRIBED HEREIN BY MYSELF OR MY AUTHORIZED AGENT, UNDER MY SUPERVISION."
13. "I CERTIFY THAT THE PERMITTEE'S EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN PROVIDES FOR AN APPROPRIATE AND COMPREHENSIVE SYSTEM OF BEST MANAGEMENT PRACTICES REQUIRED BY THE GEORGIA WATER QUALITY CONTROL ACT AND THE DOCUMENT "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" (MANUAL) PUBLISHED BY THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION AS OF JANUARY 1 OF THE YEAR IN WHICH THE LAND-DISTURBING ACTIVITY WAS PERMITTED, PROVIDED FOR THE SAMPLING OF THE RECEIVING WATER(S) OR THE SAMPLING OF THE STORMWATER OUTFALLS AND THAT THE DESIGNED SYSTEM OF BEST MANAGEMENT PRACTICES AND SAMPLING METHODS IS EXPECTED TO MEET THE REQUIREMENTS CONTAINED IN THE GENERAL NPDES PERMIT NO. GAR10001."
14. 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 BMP'S WITHIN 7 DAYS AFTER INSTALLATION IN ACCORDANCE WITH PART IV.A.5.

"I CERTIFY THAT I, AS THE PROFESSIONAL WHO PREPARED THE ES&PC PLAN, WILL INSPECT AND CERTIFY THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER BMP'S SHOWN ON THE APPROVED PLAN WITHIN SEVEN (7) DAYS AFTER INSTALLATION."

ENGINEER SIGNATURE:  DATE: 12/23/25

15. NON-EXEMPT ACTIVITIES SHALL NOT BE CONDUCTED WITHIN THE 25 OR 50-FOOT UNDISTURBED STREAM BUFFERS 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.
16. THERE ARE NO BUFFER ENCROACHMENTS ON THE PROPOSED SITE.
17. AMENDMENTS/REVISIONS TO THE ES&PC PLAN WHICH HAVE A SIGNIFICANT EFFECT ON BMP'S WITH A HYDRAULIC COMPONENT MUST BE CERTIFIED BY THE DESIGN PROFESSIONAL.
18. WASTE MATERIALS SHALL NOT BE DISCHARGED TO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT CLEANUP AND DISPOSAL OF ALL WASTE MATERIALS (SOLID OR HAZARDOUS) SHALL BE IN ACCORDANCE WITH ALL RECOGNIZED LOCAL AND FEDERAL REQUIREMENTS. ALL DISPOSAL SHALL BE TO APPROVED OFF-SITE WASTE FACILITIES. ALL PERSONNEL WILL BE INSTRUCTED REGARDING THE CORRECT PROCEDURE FOR WASTE DISPOSAL. NOTICES STATING THESE PRACTICES WILL BE POSTED IN THE APPROPRIATE ON-SITE OR OFF-SITE LOCATION. THE INDIVIDUAL WHO MANAGES THE DAY-TO-DAY SITE OPERATIONS WILL BE RESPONSIBLE FOR SEEING THAT THESE PROCEDURES ARE FOLLOWED.
19. 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.
20. 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.
21. ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.
22. THE SITE IS NOT WITHIN ONE LINEAR MILE OF AN IMPAIRED STREAM SEGMENT.
23. THERE IS NOT A TMDL IMPLEMENTATION PLAN FOR AN IMPAIRED STREAM SEGMENT ON THE SITE.
24. WASHOUT OF THE DRUM AT THE CONSTRUCTION SITE IS PROHIBITED.
25. SPILL CONTROL PLAN: THE FOLLOWING PRACTICES WILL BE FOLLOWED FOR SPILL PREVENTION AND CLEANUP.
- EMERGENCY CONTACT NUMBERS FOR SPILLS SHALL BE AVAILABLE ON-SITE
  - CALL THE NATIONAL RESPONSE CENTER HOTLINE, 1-800-424-8802 FOR THE REMEDIATION OF ALL PETROLEUM SPILLS AND LEAKS.
  - MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEANUP SHALL BE AVAILABLE ON-SITE.
  - MATERIALS AND EQUIPMENT NECESSARY FOR SPILL CLEANUP SHALL BE AVAILABLE ON-SITE.
  - ALL SPILLS SHALL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY.
  - STAFF TRAINED IN SPILL RESPONSE SHALL BE ON CALL AT ALL TIMES DURING CONSTRUCTION ACTIVITIES.
  - THE SPILL AREA SHALL BE KEPT WELL VENTILATED AND PERSONNEL SHALL WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT INJURY FROM CONTACT WITH A HAZARDOUS SUBSTANCE.
  - SPILLS OF TOXIC OR HAZARDOUS MATERIAL SHALL BE REPORTED TO THE APPROPRIATE LOCAL OR FEDERAL GOVERNMENT AGENCY, REGARDLESS OF THE SIZE.
  - THE SPILL PREVENTION PLAN SHALL 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 SHALL ALSO BE INCLUDED.
  - THE FOLLOWING MATERIALS OR SUBSTANCES ARE ANTICIPATED TO BE PRESENT ON-SITE DURING CONSTRUCTION: CONCRETE AND ASPHALT CRUSHER RUN BASE MATERIAL; DETERGENTS; PAINTS (ENAMEL AND LATEX); METAL STUDS; CONCRETE; TAR; FERTILIZERS; PETROLEUM BASED PRODUCTS; CLEANING SOLVENTS; WOOD; MASONRY BLOCK.
  - ALL PETROLEUM PRODUCTS SHALL BE STORED AND USED IN AN APPROPRIATE MANNER AND OTHER PERSONNEL AND INTERMITTENT STREAMS AND OTHER WATER BODIES LOCATED DURING MANDATORY FIELD VERIFICATION, INTO WHICH THE STORMWATER IS DISCHARGED AND (B) THE RECEIVING WATER AND/OR OUTFALL SAMPLING LOCATIONS. 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 STORMWATER (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.
  - ALL POTENTIAL POLLUTION SOURCES SHALL BE IDENTIFIED, INCLUDING PETROLEUM PRODUCT STORAGE, CONCRETE HANDLING, HERBICIDES AND ANY OTHER POLLUTANTS WHICH HAVE THE POTENTIAL TO BE EXPOSED TO RAINFALL AND BE DISCHARGED IN THE STORM WATER RUNOFF. PRACTICES WILL BE IMPLEMENTED TO ENSURE THE REDUCTION OF THESE POLLUTANTS IN STORM WATER DISCHARGES.
26. THE INSTALLATION AND MAINTENANCE OF ALL PROPOSED WATER QUALITY PONDS SHALL EFFECTIVELY PREVENT ANY POTENTIAL POLLUTANTS FROM ENTERING STATE WATERS AFTER CONSTRUCTION ACTIVITIES ARE COMPLETE IN ACCORDANCE WITH THE 2016 EDITION OF THE GEORGIA STORM WATER MANAGEMENT MANUAL. PLEASE REFER TO THE ACCOMPANYING HYDROLOGY STUDY FOR FURTHER DETAILS. ADDITIONAL POLLUTION CONTROL MEASURES FOR THE SITE INCLUDE PROPER WASTE DISPOSAL, PROPER MANAGEMENT OF CHEMICAL STORAGE TANKS, EROSION FROM EGREGESSES, SANITARY SEWAGE DISPOSAL AND ON-SITE VEHICLE STORAGE AND MAINTENANCE. NO DEBRIS THAT IS GENERATED WILL BE BURNED ON SITE.
27. FOR BUILDING MATERIALS, BUILDING PRODUCTS, CONSTRUCTION WASTES, TRASH, LANDSCAPE MATERIALS, FERTILIZERS, PESTICIDES, HERBICIDES, DETERGENTS, SANITARY WASTE AND OTHER MATERIALS PRESENT ON THE SITE, PROVIDE COVER (E.G. PLASTIC SHEETING, TEMPORARY ROOFS) TO MINIMIZE THE EXPOSURE OF THESE PRODUCTS TO PRECIPITATION AND TO STORM WATER, OR A SIMILARLY EFFECTIVE MEANS DESIGNED TO MINIMIZE THE DISCHARGE OF POLLUTANTS FROM THESE AREAS. MINIMIZATION OF EXPOSURE IS NOT REQUIRED IN CASES WHERE EXPOSURE TO PRECIPITATION AND TO STORM WATER WILL NOT RESULT IN A DISCHARGE OF POLLUTANTS, OR WHERE EXPOSURE OF A SPECIFIC MATERIAL OR PRODUCT POSES LITTLE RISK TO STORM WATER CONTAMINATION (SUCH AS FINAL PRODUCTS AND MATERIALS INTENDED FOR OUTDOOR USE).
28. THE INSTALLATION AND MAINTENANCE OF ALL PROPOSED SKIMMERS, SEDIMENT BARRIERS, SEDIMENT BASINS, STORM WATER PONDS, DIVERSIONS, AND OUTFALL PROTECTION SHALL EFFECTIVELY PREVENT ANY POTENTIAL POLLUTANTS FROM ENTERING STATE WATERS DURING OR AFTER PRIOR TO THE PERMITTEE'S CONSTRUCTION ACTIVITIES. ADDITIONAL POLLUTION CONTROL MEASURES FOR THE SITE SHALL INCLUDE PROPER WASTE DISPOSAL, PROPER MANAGEMENT OF CHEMICAL STORAGE TANKS, EROSION FROM EGREGS, SANITARY SEWER DISPOSAL, AND ON-SITE VEHICLE STORAGE AND MAINTENANCE. NO DEBRIS THAT IS GENERATED SHALL BE BURNED ON-SITE.
29. SEE SHEET 2.1 FOR A CHART OF THE INTENDED SEQUENCE OF MAJOR ACTIVITIES FOR SOIL DISTURBANCE ON-SITE.
30. INSPECTION REQUIREMENTS: PERMIT NO. GAR100001 PART IV.D.4.A

#### A. PERMITTEE REQUIREMENTS.

- (1) 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.
- (2) MEASURE 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.
- (3) CERTIFIED PERSONNEL (PROVIDED BY THE PRIMARY PERMITTEE) SHALL INSPECT THE FOLLOWING AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS: (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. CERTIFIED PERSONNEL SHALL ALSO CONDUCT INSPECTIONS 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). POST-RAIN INSPECTIONS WILL RESET THE 7-DAY INSPECTION FREQUENCY REQUIREMENT, 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.(4). THESE INSPECTIONS MUST BE CONDUCTED UNTIL A NOTICE OF TERMINATION IS SUBMITTED.
- (4) 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 HAS BEEN SUBMITTED) 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).
- (5) 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.
- (6) 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.(5). OF THE PERMIT SHALL BE MADE AND RETAINED AT THE SITE OR BE READILY AVAILABLE AT A DESIGNATED ALTERNATE LOCATION UNTIL THE ENTIRE SITE OR THAT PORTION OF A CONSTRUCTION SITE THAT HAS BEEN PHASED HAS UNDERGONE FINAL STABILIZATION AND A NOTICE OF TERMINATION IS SUBMITTED TO EPD. SUCH REPORTS SHALL BE READILY AVAILABLE BY THE 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 CERTIFICATION 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.

#### 31. SAMPLING FREQUENCY REQUIREMENTS: PERMIT NO. GAR100001 PART IV.D.6.D

- (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 ANY STORMWATER 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 STORMWATER 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 STORMWATER DISCHARGE THAT OCCURS DURING NORMAL BUSINESS HOURS 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 SAMPLING LOCATION;
- (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 STORMWATER DISCHARGE THAT OCCURS DURING NORMAL BUSINESS HOURS 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 SAMPLING LOCATION, WHICHEVER COMES FIRST;
- (C) AT THE TIME OF SAMPLING PERFORMED PURSUANT TO (A) AND (B) ABOVE, IF BMP'S 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-RAIN EVENT INSPECTIONS DETERMINE THAT BMP'S 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.(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 INCH AND ALLOWS FOR SAMPLING AT ANY TIME OF THE DAY OR WEEK.

#### SAMPLING REPORTING REQUIREMENTS: PERMIT NO. GAR100001 PART IV.E

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, PRINTED OR WRITTEN NOTIFICATION. EPD MAY REQUEST THE SAMPLING RESULTS ON A MORE FREQUENT BASIS.
- SAMPLING AND ANALYSIS OF ANY STORMWATER 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 EPD DISTRICT OFFICE OR DELIVERY RECEIPT EMAIL TO THE APPROPRIATE EPD DISTRICT OFFICE RESOURCE MAILBOX 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.

#### 32. RETENTION OF RECORDS: PERMIT NO. GAR100001 PART IV.F

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 II.D. OF THIS PERMIT; AND
- G. DAILY RAINFALL INFORMATION COLLECTED IN ACCORDANCE WITH PART IV.D.4.(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 ALTERNATE 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.

#### 33. SAMPLING REQUIREMENTS: PERMIT NO. GAR100001 PART IV.D.6.A-C.

THIS PERMIT REQUIRES THE MONITORING OF NEPHELOMETRIC TURBIDITY IN RECEIVING WATER(S) OR OUTFALLS IN ACCORDANCE WITH THIS PERMIT. THIS PARAGRAPH SHALL NOT APPLY TO ANY LAND DISTURBANCE ASSOCIATED WITH THE CONSTRUCTION OF SINGLE-FAMILY HOMES WHICH ARE NOT PART OF A SUBDIVISION OR PLANNED COMMON DEVELOPMENT UNLESS FIVE (5) ACRES OR MORE WILL BE DISTURBED. 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 SITE OR THE STAND ALONE 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 STORMWATER IS DISCHARGED AND (B) THE RECEIVING WATER AND/OR OUTFALL SAMPLING LOCATIONS. 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 STORMWATER (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, HANDLE 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., TROUT 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 TIMELINE FOR SUBMITTAL.
- 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 ENDORSED BY THE EPD (E.G., USE OF A PORTABLE TURBIDIMETER THAT HAS 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 RECEIVING WATER(S), OR ALL OUTFALL(S), OR A COMBINATION OF RECEIVING WATER(S) AND OUTFALL(S). SAMPLING POINTS SHALL BE LOCATED ON APPLICABLE PAGES OF THE INITIAL, INTERMEDIATE, AND FINAL PHASE OF THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLANS. THESE SAMPLES SHALL BE TAKEN FOR THE PURPOSE OF COMPLIANCE WITH THIS PERMIT. THE PERMITTEE SHALL BE RESPONSIBLE FOR AREAS OF A SITE AND REPRESENTATIVE OF THE WATER QUALITY OF THE RECEIVING WATER(S) AND/OR THE STORMWATER 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 STORMWATER DISCHARGE FROM THE PERMITTED ACTIVITY (I.E., THE DISCHARGE FARTEST UPSTREAM AT THE SITE) BUT DOWNSTREAM OF ANY OTHER STORMWATER DISCHARGES 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). THE DOWNSTREAM SAMPLE FOR EACH RECEIVING WATER(S) MUST BE TAKEN DOWNSTREAM OF THE CONFLUENCE OF THE LAST STORMWATER DISCHARGE FROM THE PERMITTED ACTIVITY (I.E., THE DISCHARGE FARTEST DOWNSTREAM AT THE SITE) BUT UPSTREAM OF ANY OTHER STORMWATER 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 STORMWATER OUTFALL CHANNEL(S).

- (D). CARE SHOULD BE TAKEN TO AVOID STIRRING THE BOTTOM SEDIMENTS IN THE RECEIVING WATER(S) OR IN THE OUTFALL STORMWATER 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 SHEET FLOW THAT FLOWS ONTO UNDISTURBED NATURAL AREAS OR AREAS STABILIZED BY THE PROJECT. FOR PURPOSES OF THIS SECTION, STABILIZED SHALL MEAN, FOR UNPAVED AREAS AND AREAS NOT COVERED BY PERMANENT STRUCTURES AND AREAS LOCATED OUTSIDE THE WASTE DISPOSAL LIMITS OF A LANDFILL CELL, THAT HAS BEEN CERTIFIED BY EPD FOR WASTE DISPOSAL. 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).

- (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 STORMWATER RUNOFF FROM THE CONSTRUCTION SITE IS IN COMPLIANCE WITH THE STANDARD SET FORTH IN PARTS II.D.4. OR III.D.5., WHICHEVER IS APPLICABLE.

#### 34. SEE TABLE BELOW FOR APPENDIX B RATIONALE FOR NTU VALUES ON-SITE.

NEPHELOMETRIC TURBIDITY UNIT (NTU) TABLE WARM WATER								
SITE SIZE, ACRES	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+
1.00-10	75	150	200	400	750	750	750	750
10.01-25	50	100	100	200	300	500	750	750
25.01-50	50	50	100	100	200	300	750	750
50.01-100	50	50	50	100	100	150	300	600
100.01+	50	50	50	50	50	100	200	100

NOTE FOR STREAM: < 25 NTU CHANGE ALLOWED BETWEEN UPSTREAM AND DOWNSTREAM SAMPLING POINTS FOR RECEIVING STREAM (WARM WATER)

35. DUE TO LIMITED SITE DISTURBANCE SAMPLING POINTS ARE PROVIDED.
36. SEE SHEETS 4.0 TO 6.0 FOR A DESCRIPTION OF ALL PROPOSED BMP'S ON-SITE. THE INITIAL PHASE OF THE ES&PC PLAN SHALL BE STAGED AS FOLLOWS:
- A. CONTRACTOR SHALL CONFIRM N.O.I. FILING AND FEES PRIOR TO CONSTRUCTION. THE N.O.I. AND FEES MUST BE SUBMITTED TO THE GA E.P.D. AND/OR LOCAL ISSUING AUTHORITY AT LEAST 14 DAYS PRIOR TO BEGINNING CONSTRUCTION.
- B. INSTALL CONSTRUCTION EXIT, TIRE WASH DOWN AND FUEL STORAGE AREAS.
- C. INSTALL WATER QUALITY PONDS AND NECESSARY OUTFALL CONTROL.
- D. INSTALL PERIMETER EROSION CONTROL DEVICES (SD1-S DOUBLE ROW).

- E. ENSURE TEMPORARY VEGETATION AND SLOPE STABILIZATION MEASURES ARE IN PLACE FOR ALL DISTURBED AREAS. ENSURE THAT RIVER REMAINS UNDISTURBED AT ALL TIMES.
- F. SCHEDULE INSPECTION WITH PROJECT DESIGN PROFESSIONAL.

THE INTERMEDIATE AND FINAL PHASES OF THE ES&PC PLAN SHALL BE STAGED AS FOLLOWS:

- A. INSPECT AND MAINTAIN ALL EXISTING BMP'S.
- B. BEGIN CUT/FILL ACTIVITIES. ENSURE THAT RIVER REMAINS UNDISTURBED AT ALL TIMES.
- C. ENSURE TEMPORARY/PERMANENT VEGETATION AND SLOPE STABILIZATION MEASURES ARE IN PLACE FOR ALL DISTURBED AREAS.
37. A GRAPHIC SCALE AND NORTH ARROW IS PROVIDED ON ALL SHEETS WHERE APPLICABLE.
38. EXISTING AND PROPOSED CONTOUR LINES ARE SHOWN ON ALL SHEETS WHERE APPLICABLE.
39. THERE ARE NO ALTERNATIVE BMP'S USED IN THE DESIGN OF THIS SITE.
40. THERE ARE NO ALTERNATIVE BMP'S USED IN THE DESIGN OF THIS SITE.
41. ALL BUFFERS, INCLUDING THE 25- OR 50-FOOT STATE WATERS BUFFERS, ARE SHOWN ON ALL SHEETS WHERE APPLICABLE.
42. ALL ON-SITE WETLANDS AND STATE WATERS LOCATED WITHIN 200 FEET OF THE SITE ARE SHOWN ON ALL SHEETS WHERE APPLICABLE.
43. SEE SHEET 4.0 FOR THE DELINEATION OF CONTRIBUTING DRAINAGE BASINS ON THE PROJECT SITE.
44. NO HYDROLOGY STUDY FOR WILLIE BASBY PARK FOR MAPS OF DRAINAGE BASINS OF THE PRE- AND POST-DEVELOPED CONDITIONS WAS DONE.
45. NO EXISTING AND PROPOSED RUNOFF COEFFICIENTS FOR THE SITE WERE CALCULATED.
46. VELOCITIES FROM STORM WATER OUTFALLS ARE NON-EROSIVE. OUTFALL PROTECTION IS NOT WARRANTED.
47. SEE SHEET 2.1 FOR AN INVENTORY OF THE EXISTING SOILS ON-SITE.
48. SEE SHEETS 4.0 TO 6.0 FOR PHASED LIMITS OF DISTURBANCE ON-SITE.
49. SEE SHEET 2.1 FOR A TABLE OF THE SEDIMENT STORAGE CALCULATIONS ON-SITE. THESE TABLES DISPLAY ADEQUATE SEDIMENT STORAGE FOR ALL PHASES.
50. SEE SHEETS 4.0 TO 6.0 FOR THE LOCATION OF ALL PROPOSED BMP'S ON-SITE.
51. SEE SHEET 9.0 TO 9.1 FOR DETAILED DRAWINGS OF ALL PROPOSED STRUCTURAL PRACTICES PER THE GUIDELINES SET FORTH IN THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA.
52. SEE SHEET 9.0 FOR THE VEGETATIVE PLAN, INCLUDING SPECIES, PLANTING DATES, SEEDING, FERTILIZER, LIME, AND MULCHING RATES.

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NPDES  
PLAN  
FOR


WILLIE BASBY  
PARK

LOCATED IN:  
LAND LOTS 175, 21ST DISTRICT  
CITY OF COCHRAN, GEORGIA

REVISIONS

DATE	BY	REVISIONS
1		
2		
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REVIEWED BY: ---

REVISED BY: ---

GEORGIA  
REGISTERED  
PROFESSIONAL  
ENGINEER  
L. JONES

12/23/25

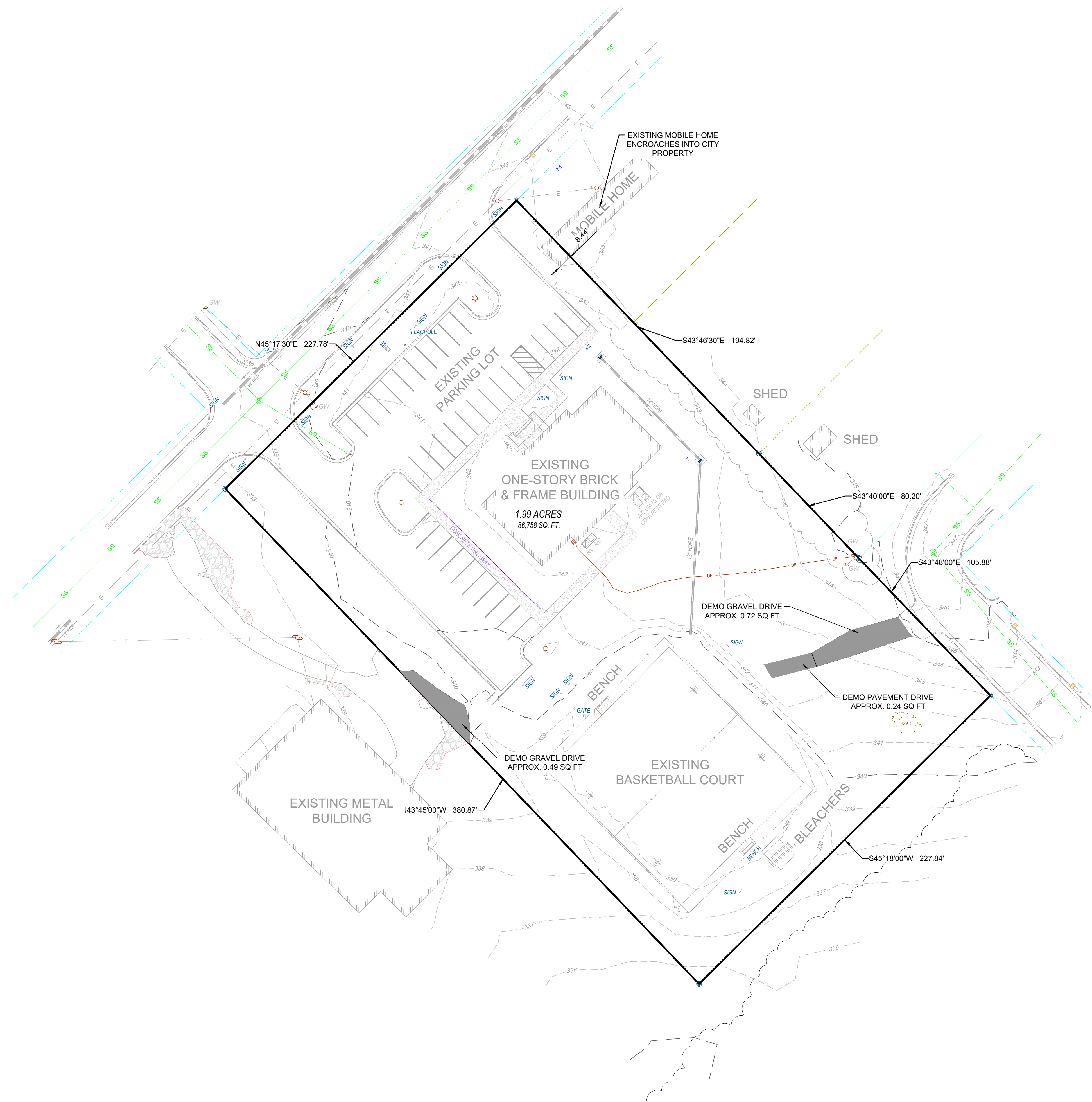
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LEGEND		
	PROPOSED	EXISTING
RIGHT-OF-WAY	R/W	R/W
BOUNDARY LINE		
PROPERTY LINE		
CURB & GUTTER		
EASEMENT		
BUILDING		
SIDEWALK		
FENCE		
FIRE HYDRANT		
WATER VALVE		
WATER METER		
WEIR INLET		
JUNCTION BOX		
SANITARY SEWER MANHOLE		
SINGLE WING CATCH BASIN		
DOUBLE WING CATCH BASIN		
STORM PIPE		
SEWER PIPE	SS	SS
WATER MAIN	W	W
CONTOUR (MAJOR)	-000-	-000-
CONTOUR (MINOR)	-000-	-000-
DRAINAGE BASIN LINE		

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EXISTING CONDITONS/ DEMO  
FOR  
**WILLIE BASBY  
PARK**  
LOCATED IN:  
LAND LOTS 175, 21ST DISTRICT  
CITY OF COCHRAN, GEORGIA

DATE	REVISIONS
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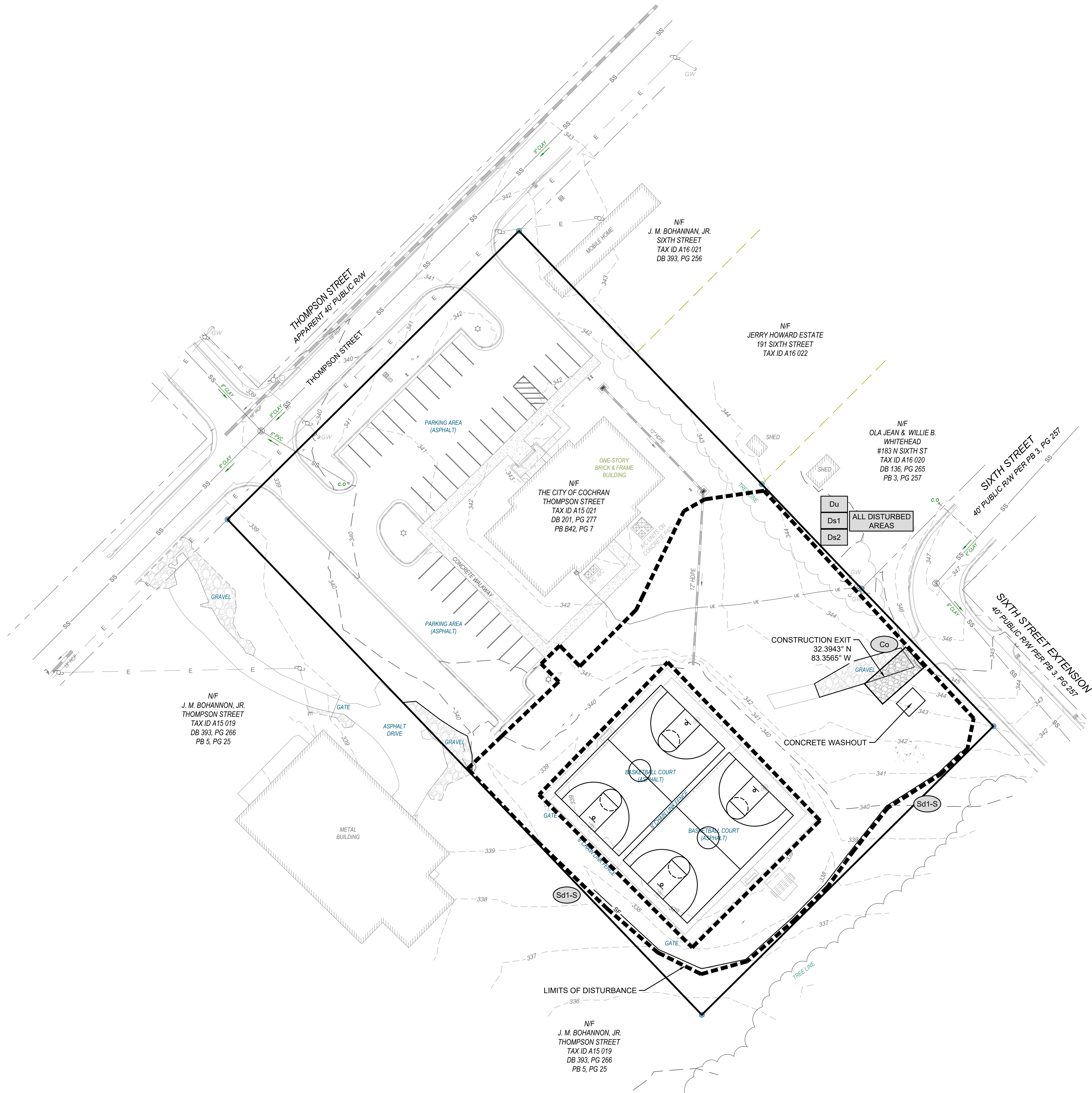
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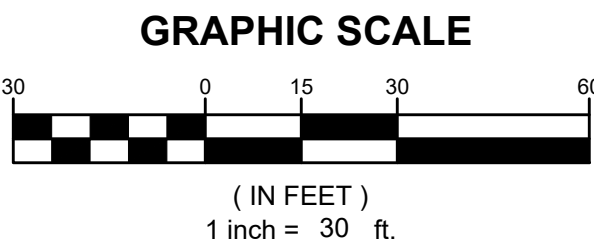
LEGEND		
	PROPOSED	EXISTING
RIGHT-OF-WAY	R/W	R/W
BOUNDARY LINE	---	---
PROPERTY LINE	---	---
CURB & GUTTER	---	---
EASEMENT	---	---
BUILDING	---	---
SIDEWALK	---	---
FENCE	---	---
FIRE HYDRANT	---	---
WATER VALVE	---	---
WATER METER	---	---
WEIR INLET	---	---
JUNCTION BOX	---	---
SANITARY SEWER MANHOLE	---	---
SINGLE WING CATCH BASIN	---	---
DOUBLE WING CATCH BASIN	---	---
STORM PIPE	---	---
SEWER PIPE	---	---
WATER MAIN	---	---
CONTOUR (MAJOR)	---	---
CONTOUR (MINOR)	---	---
DRAINAGE BASIN LINE	---	---
EROSION CONTROL LEGEND		
SILT FENCE	SF	
TREE PROTECTION	TP	
LIMITS OF DISTURBANCE	---	
EROSION CONTROL SYMBOLS (SEE SHEET 2.1 FOR LEGEND)	XXX	XXX
CHECK DAM (STRAW BALE)	---	
INLET SEDIMENT TRAP	---	

- EROSION CONTROL NOTES**
- 24 HOUR CONTACT: **RICHARD NEWBERN** PHONE: (478) 534-6346
  - TOTAL SITE ACREAGE: **1.18** ACRES / TOTAL DISTURBED ACREAGE: **0.67** ACRES.
  - "THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND DISTURBING ACTIVITIES."
  - "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."
  - "ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING."
  - THIS SITE IS NOT WITHIN 1 LINEAR MILE OF AN IMPAIRED STREAM SEGMENT.

**EXISTING SITE CONDITIONS:**  
THE SITE IS EXISTING PUBLIC PARK

**PROPOSED SITE CONDITIONS:**  
INSTALLING A WALKING TRAIL

**RECEIVING WATERS:**  
UNNAMED TRIBUTARY



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EROSION CONTROL - INT. PHASE  
FOR  
**WILLIE BASBY PARK**  
LOCATED IN:  
LAND LOTS 175, 21ST DISTRICT  
CITY OF COCHRAN, GEORGIA

DATE	REVISIONS
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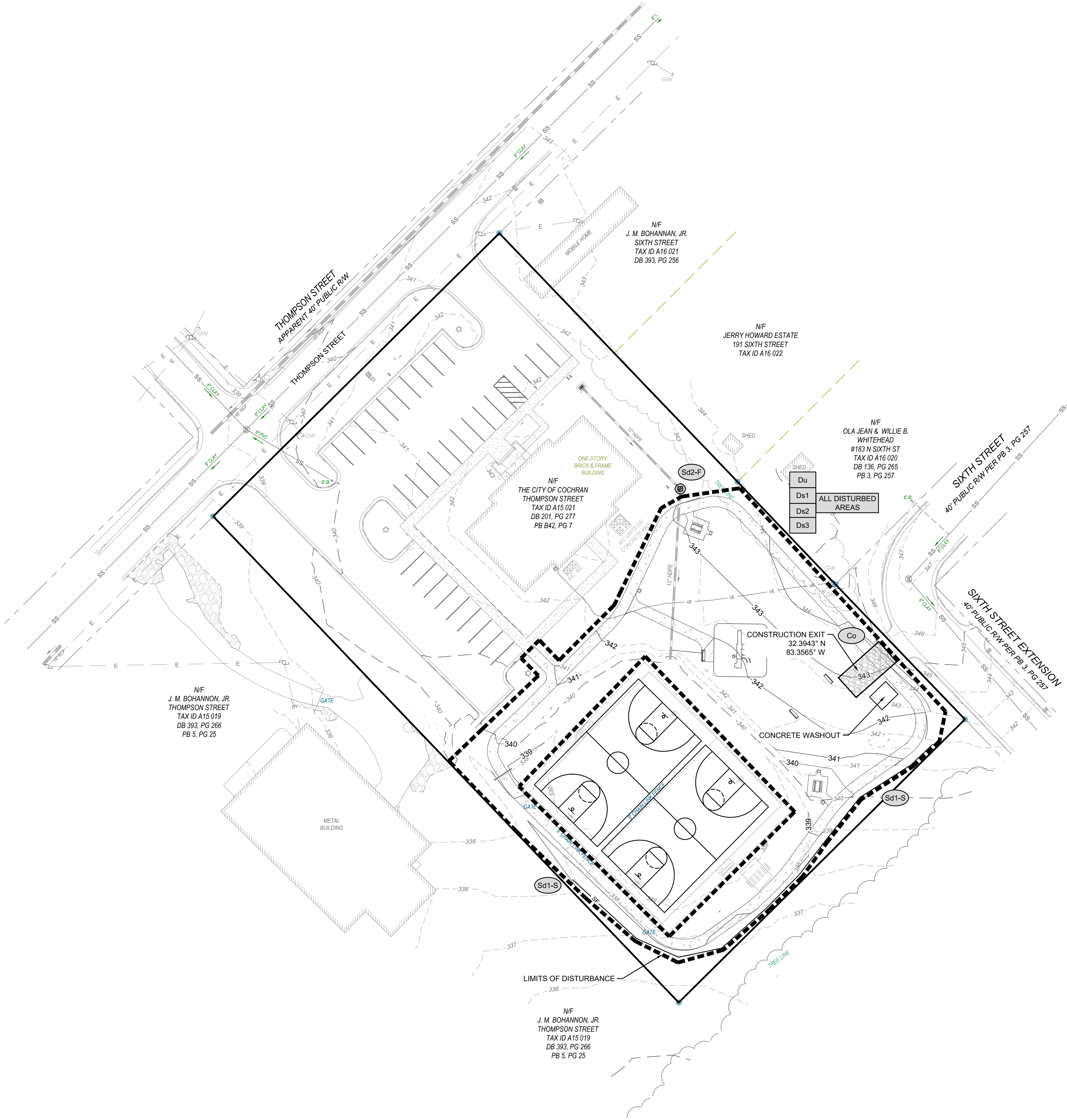
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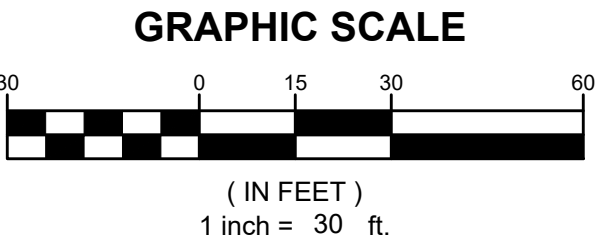
LEGEND		
	PROPOSED	EXISTING
RIGHT-OF-WAY	R/W	R/W
BOUNDARY LINE	---	---
PROPERTY LINE	---	---
CURB & GUTTER	---	---
EASEMENT	---	---
BUILDING	---	---
SIDEWALK	---	---
FENCE	---	---
FIRE HYDRANT	---	---
WATER VALVE	---	---
WATER METER	---	---
WEIR INLET	---	---
JUNCTION BOX	---	---
SANITARY SEWER MANHOLE	---	---
SINGLE WING CATCH BASIN	---	---
DOUBLE WING CATCH BASIN	---	---
STORM PIPE	---	---
SEWER PIPE	---	---
WATER MAIN	---	---
CONTOUR (MAJOR)	---	---
CONTOUR (MINOR)	---	---
DRAINAGE BASIN LINE	---	---
EROSION CONTROL LEGEND		
SILT FENCE	SF	
TREE PROTECTION	TP	
LIMITS OF DISTURBANCE	---	
EROSION CONTROL SYMBOLS (SEE SHEET 2.1 FOR LEGEND)	XXX	XXX
CHECK DAM (STRAW BALE)	---	
INLET SEDIMENT TRAP	---	

- EROSION CONTROL NOTES**
- 24 HOUR CONTACT: **RICHARD NEWBERN** PHONE: (478) 534-6346
  - TOTAL SITE ACREAGE: **1.18** ACRES / TOTAL DISTURBED ACREAGE: **0.67** ACRES.
  - "THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND DISTURBING ACTIVITIES."
  - "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."
  - "ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING."
  - THIS SITE IS NOT WITHIN 1 LINEAR MILE OF AN IMPAIRED STREAM SEGMENT.

**EXISTING SITE CONDITIONS:**  
THE SITE IS EXISTING PUBLIC PARK

**PROPOSED SITE CONDITIONS:**  
INSTALLING A WALKING TRAIL

**RECEIVING WATERS:**  
UNNAMED TRIBUTARY



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EROSION CONTROL - INTERMEDIATE PHASE  
FOR  
**WILLIE BASBY PARK**  
LOCATED IN:  
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EROSION CONTROL - FINAL PHASE

FOR

WILLIE BASBY

PARK

LOCATED IN:

LAND LOTS 175, 21ST DISTRICT

CITY OF COCHRAN, GEORGIA

REVISIONS

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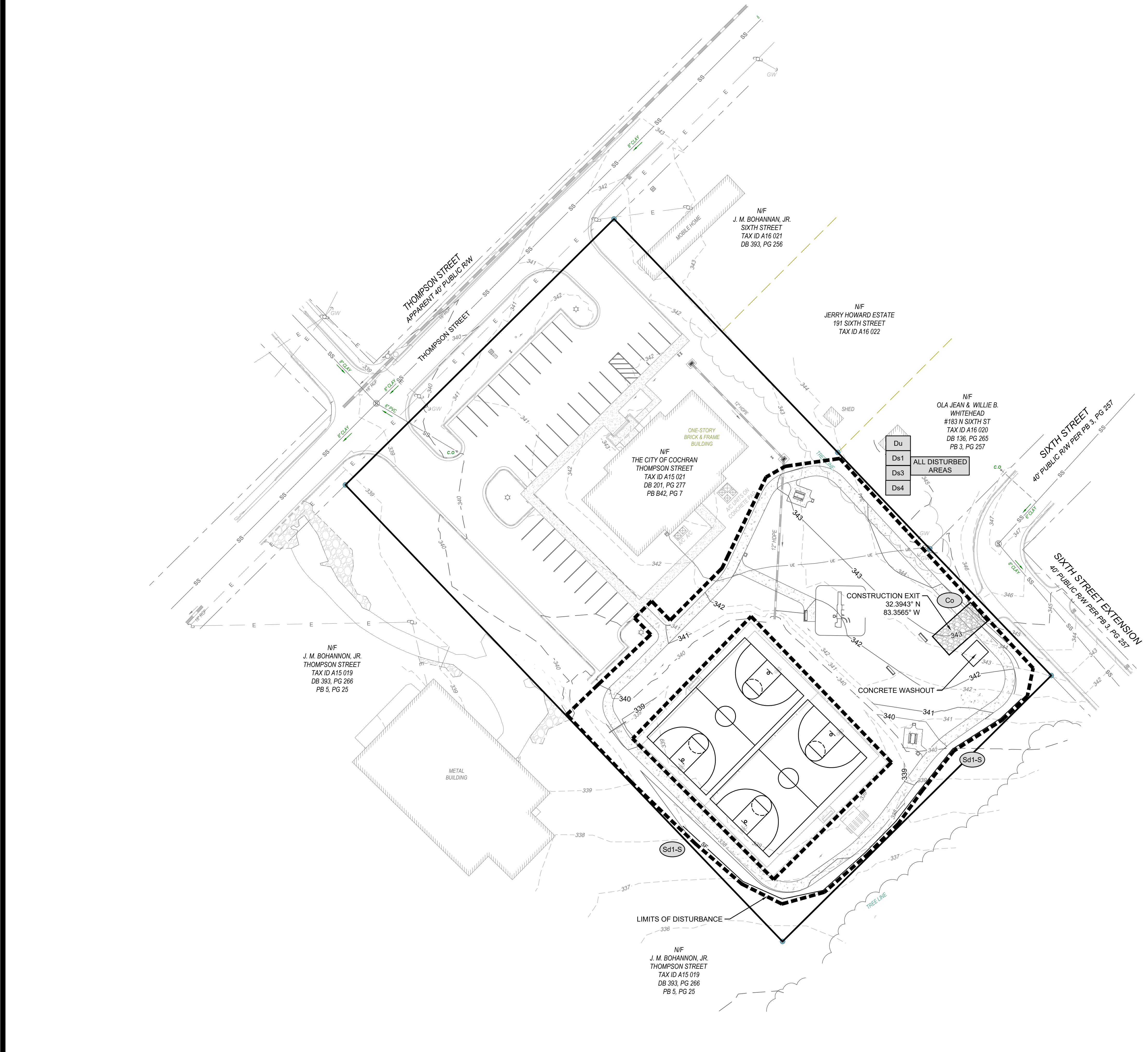
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SHEET NUMBER

6.0



LEGEND

	PROPOSED	EXISTING
RIGHT-OF-WAY	R/W	R/W
BOUNDARY LINE	---	---
PROPERTY LINE	---	---
CURB & GUTTER	---	---
EASEMENT	---	---
BUILDING	---	---
SIDEWALK	---	---
FENCE	---	---
FIRE HYDRANT		
WATER VALVE		
WATER METER		
WEIR INLET		
JUNCTION BOX		
SANITARY SEWER MANHOLE		
SINGLE WING CATCH BASIN		
DOUBLE WING CATCH BASIN		
STORM PIPE	---	---
SEWER PIPE	SS	SS
WATER MAIN	W	W
CONTOUR (MAJOR)	-000	-000
CONTOUR (MINOR)	-000	-000
DRAINAGE BASIN LINE	---	---

EROSION CONTROL LEGEND

SILT FENCE	SF
TREE PROTECTION	TP
LIMITS OF DISTURBANCE	---
EROSION CONTROL SYMBOLS (SEE SHEET 2.1 FOR LEGEND)	XXX
CHECK DAM (STRAW BALE)	
INLET SEDIMENT TRAP	

- EROSION CONTROL NOTES
1. 24 HOUR CONTACT: RICHARD NEWBERN PHONE: (478) 534-6346

2. TOTAL SITE ACREAGE: 1.18 ACRES / TOTAL DISTURBED ACREAGE: 0.67 ACRES.

3. "THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND DISTURBING ACTIVITIES."

4. "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."

5. "ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING."

6. THIS SITE IS NOT WITHIN 1 LINEAR MILE OF AN IMPAIRED STREAM SEGMENT.

EXISTING SITE CONDITIONS:

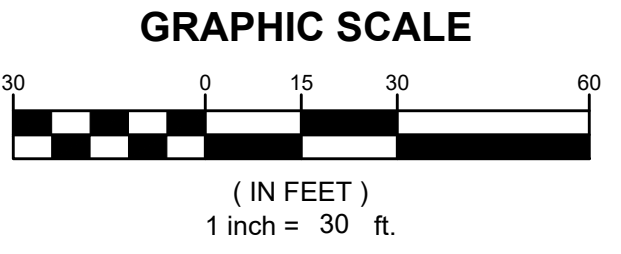
THE SITE IS EXISTING PUBLIC PARK

PROPOSED SITE CONDITIONS:

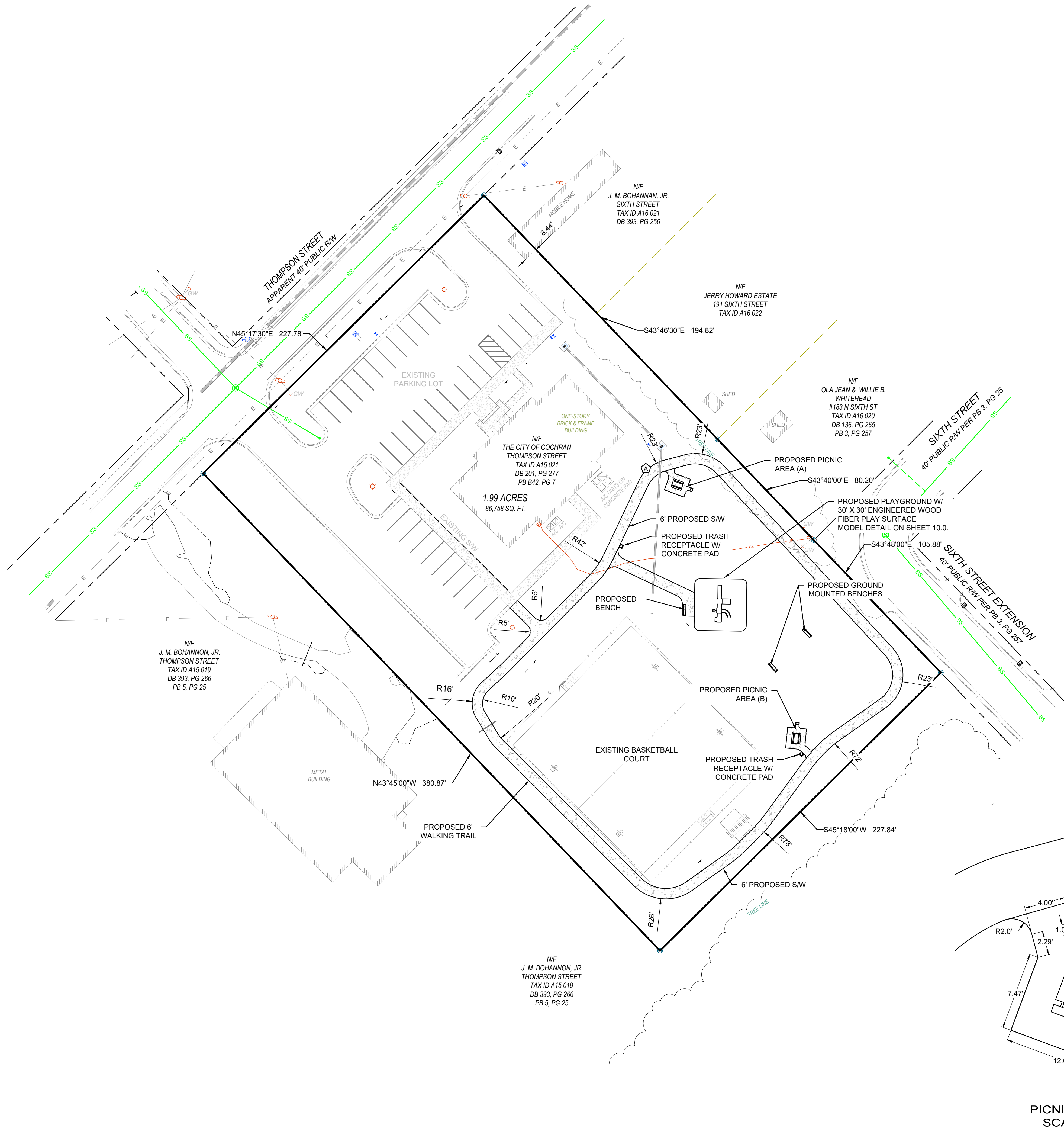
INSTALLING A WALKING TRAIL

RECEIVING WATERS:

UNNAMED TRIBUTARY OF JORDAN CREEK

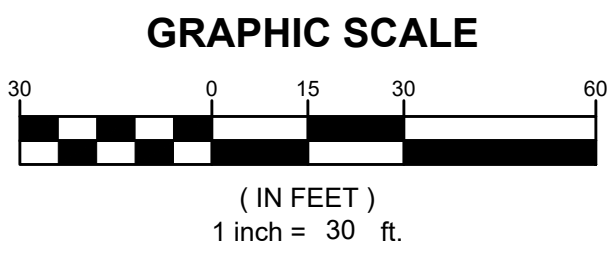
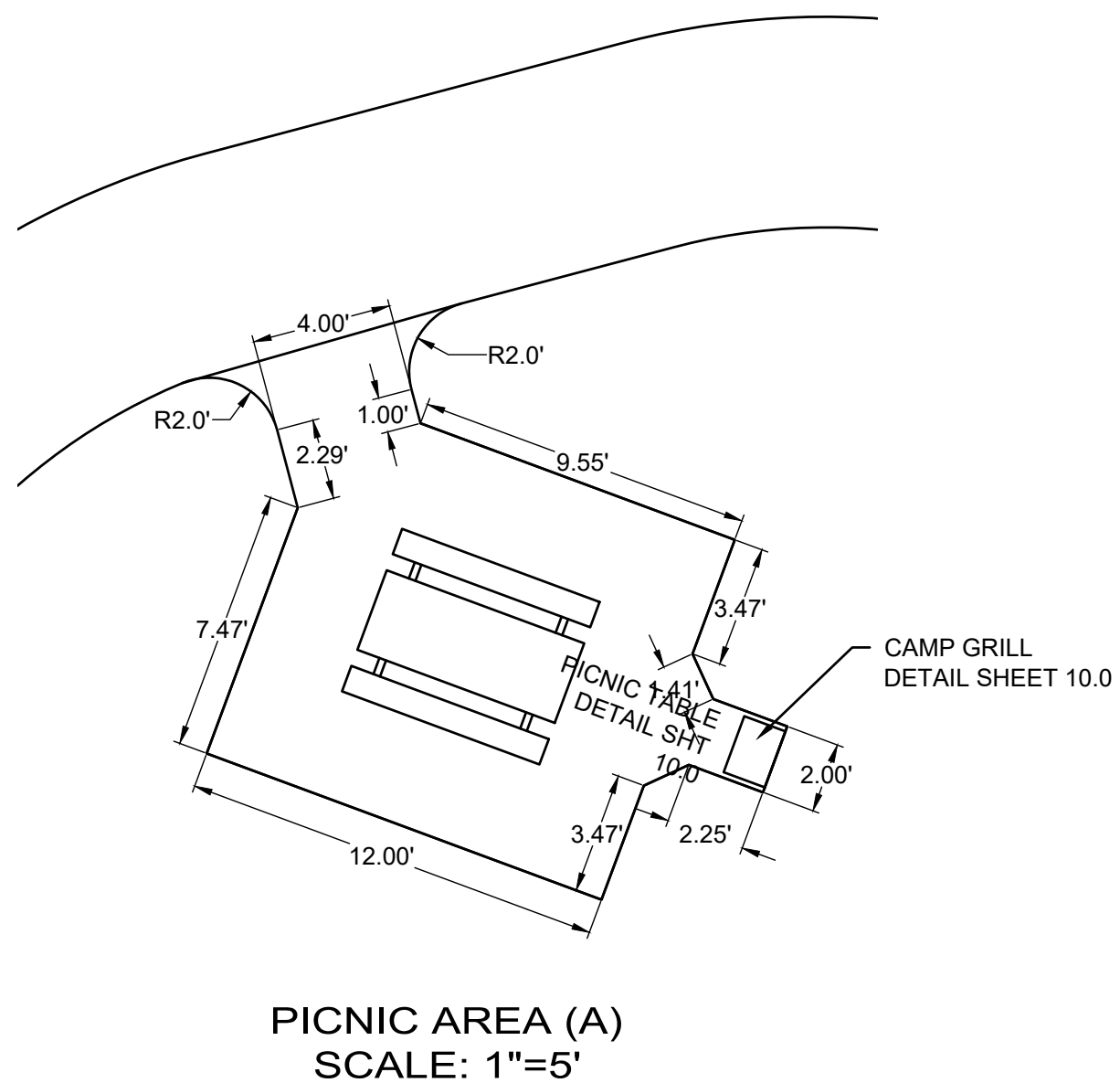
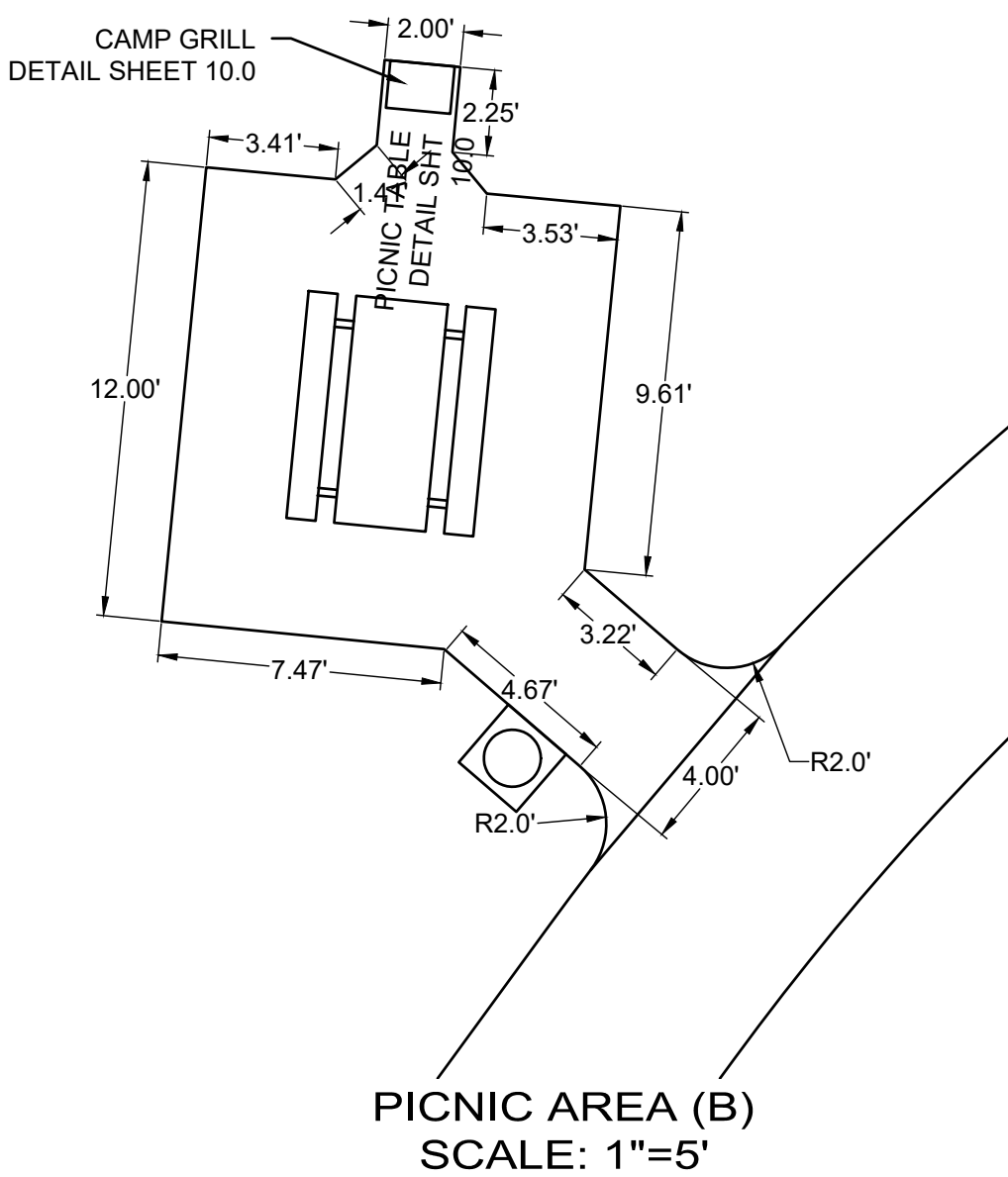






LEGEND		
	PROPOSED	EXISTING
RIGHT-OF-WAY	R/W	R/W
BOUNDARY LINE		
PROPERTY LINE		
CURB & GUTTER		
EASEMENT		
BUILDING		
SIDEWALK		
FENCE		
FIRE HYDRANT		
WATER VALVE		
WATER METER		
WEIR INLET		
JUNCTION BOX		
SANITARY SEWER MANHOLE		
SINGLE WING CATCH BASIN		
DOUBLE WING CATCH BASIN		
STORM PIPE		
SEWER PIPE	SS	SS
WATER MAIN	W	W
CONTOUR (MAJOR)	-000	-000
CONTOUR (MINOR)	-000	-000
DRAINAGE BASIN LINE		

DEVELOPMENT NOTES:  
1. EXISTING PARK SIGNAGE TO REMAIN IN PLACE.



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SITE PLAN  
FOR  
**WILLIE BASBY PARK**  
LOCATED IN:  
LAND LOTS 175, 21ST DISTRICT  
CITY OF COCHRAN, GEORGIA

DATE	REVISIONS
1.	
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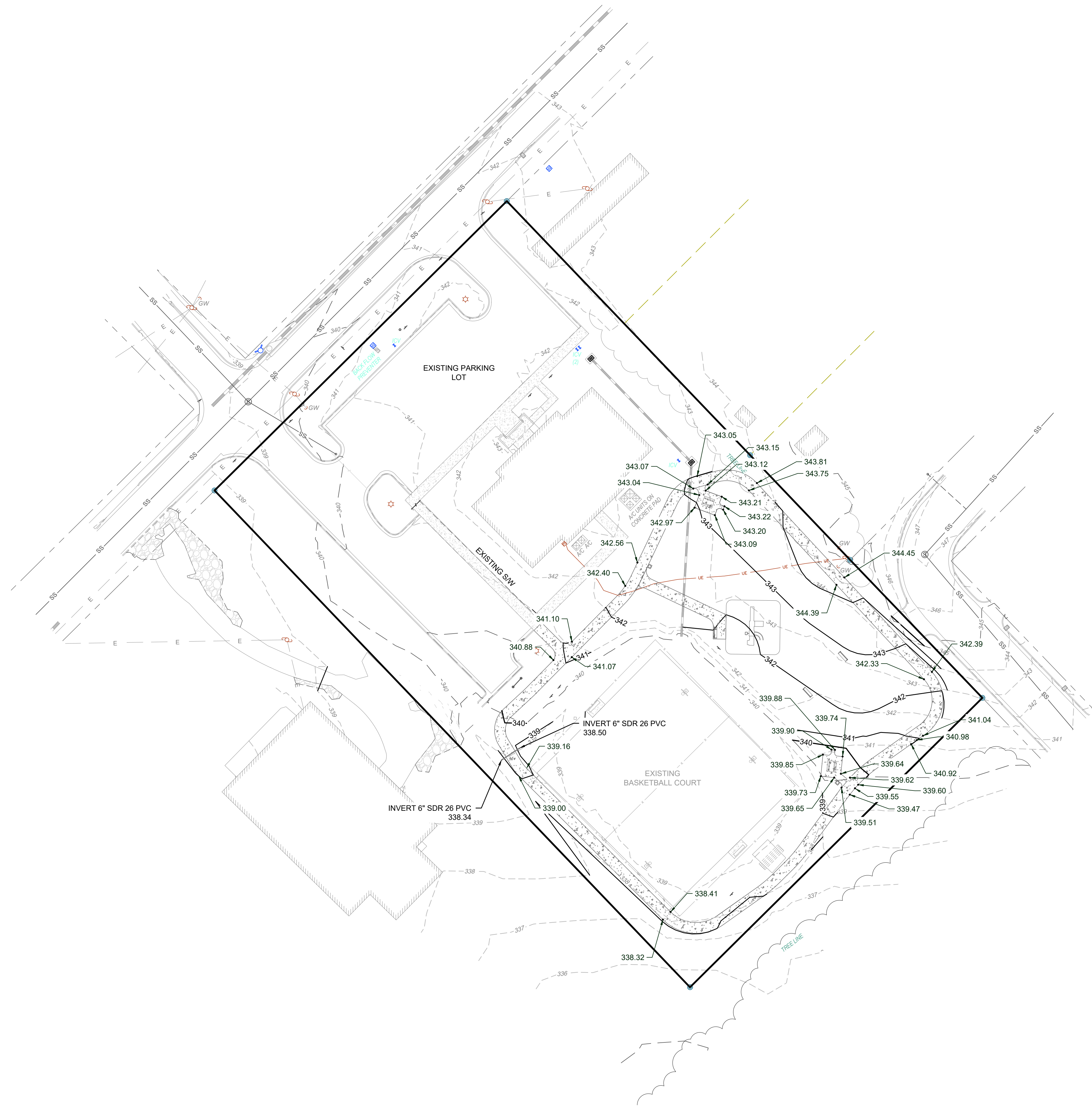
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JAMES L. JONES  
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LEGEND		
	PROPOSED	EXISTING
RIGHT-OF-WAY	R/W	R/W
BOUNDARY LINE		
PROPERTY LINE		
CURB & GUTTER		
EASEMENT		
BUILDING		
SIDEWALK		
FENCE		
FIRE HYDRANT		
WATER VALVE		
WATER METER		
WEIR INLET		
JUNCTION BOX		
SANITARY SEWER MANHOLE		
SINGLE WING CATCH BASIN		
DOUBLE WING CATCH BASIN		
STORM PIPE		
SEWER PIPE		
WATER MAIN		
CONTOUR (MAJOR)		
CONTOUR (MINOR)		
DRAINAGE BASIN LINE		

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GRADING & DRAINAGE PLAN  
FOR  
**WILLIE BASBY  
PARK**  
LOCATED IN:  
LAND LOTS 175, 21ST DISTRICT  
CITY OF COCHRAN, GEORGIA

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Construction Exit Co



**DEFINITION**  
A stone stabilized pad located at any point where traffic will be leaving a construction site to a public right-of-way, street, alley, sidewalk or parking area or any other area where there is a transition from bare soil to a paved area.

**PURPOSE**  
To reduce or eliminate the transport of mud from the construction area onto public rights-of-way by motor vehicles or by runoff.

**CONDITIONS**  
This practice is applied at appropriate points of construction egress. Geotextile underliners are required to stabilize and support the pad aggregates.

**DESIGN CRITERIA**  
Formal design is not required. The following standards shall be used:

**Aggregate Size**  
Stone will be in accordance with National Stone Association R-2 (1.5 to 3.5 inch stone).

**Pad Thickness**  
The gravel pad shall have a minimum thickness of 6 inches.

**Pad Width**  
At a minimum, the width should equal full width of all points of vehicular egress, but not less than 20 feet wide.

**Pad Length**  
The gravel pad shall have a minimum length

of 50 feet. When the construction is less than 50' from the paved access, the length shall be from the edge of existing pavement to the permitted building being constructed.

**Washing**  
If the action of the vehicle traveling over the gravel pad does not sufficiently remove the mud, the tires should be washed prior to entrance onto public rights-of-way. When washing is required, it shall be done on an area stabilized with crushed stone and provisions that intercept the sediment-laden runoff and direct it into an approved sediment trap or sediment basin.

**Location**  
The exit shall be located or protected to prevent sediment from leaving the site.

**CONSTRUCTION SPECIFICATIONS**  
It is recommended that the egress area be excavated to a depth of 3 inches and be cleared of all vegetation and roots.

**Diversions Ridge**  
On sites where the grade toward the paved area is greater than 2%, a diversion ridge 6 to 8 inches high with 3:1 side slopes shall be constructed across the foundation approximately 15 feet above the road.

**Geotextile**  
The geotextile underliner must be placed the full length and width of the entrance. Geotextile selection shall be based on AASHTO M288-06 specification:

- For subgrades with a CBR greater than or equal to 3 or shear strength greater than 90 kPa, geotextile must meet requirements of section AASHTO M288-06 Section 7.3, *Separation Requirements*.
- For subgrades with a CBR between 1 and 3 or shear strength between 30 and 90 kPa, geotextile must meet requirements of section AASHTO M288-06 Section 8, *Geotextile Property Requirements for Sub-surface Drainage, Separation, Stabilization, and Permanent Erosion Control (Geotextile Property Requirements)*.

Ds4 DISTURBED AREA STABILIZATION (WITH SOD)

TABLE 6-6.2 SOD PLANTING REQUIREMENTS			
GRASS	VARIETIES	RESOURCE AREA	GROWING SEASON
BERMUDAGRASS	COMMON TIP-WAY, TIFGREEN, TIFLAWN	M-L, P, C P, C P, C	WARM WEATHER
BAHIAGRASS	PENSACOLA	P, C	WARM WEATHER
CENTPEDE	-	P, C	WARM WEATHER
ST. AUGUSTINE	COMMON BITTERBLUE RALEIGH	C	WARM WEATHER
ZOYSIA	EMERALD MYER	P, C	WARM WEATHER
TALL FESCUE	KENTUCKY	M-L, P	COOL WEATHER

TABLE 6-6.3 FERTILIZER REQUIREMENTS FOR SOD				
TYPES OF SPECIES	PLANTING YEAR	FERTILIZER (N-P-K)	RATE (lbs./acre)	NITROGEN TOP DRESSING RATE (lbs./acre)
COOL SEASON GRASSES	FIRST	6-12-12	1500	50-100
	SECOND	6-12-12	1000	
	MAINTENANCE	10-10-10	400	30
WARM SEASON GRASSES	FIRST	6-12-12	1500	50-100
	SECOND	6-12-12	800	50-100
	MAINTENANCE	10-10-10	400	30

Ds3 DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION)

Species	Broadcast Rates		Resource Area	Planting Dates by Resource Area												Remarks
	Pure Live Seed (PLS) Per 1000 sqft <sup>1</sup>			Solid lines indicate optimum dates, dotted lines indicate permissible but marginal dates.												
	Rate Per Acre <sup>2</sup>			J	F	M	A	M	J	J	A	S	O	N	D	
BAHIA, PENSACOLA <i>Paspalum notatum</i>																
Alone or With Temporary Cover	60 lbs	1.4 lbs	P													166,000 seed per pound. Low growing. Sod forming. Slow to establish. Plant with a companion crop. Will spread into bermuda pastures and lawns. Mix with Sericea lespedeza or weeping lovegrass.
With Other Perennials	30 lbs	0.7 lb	C													
BAHIA, WILMINGTON <i>Paspalum notatum</i>																
Alone or With Temporary Cover	60 lbs	1.4 lb	M-L													Same as above.
With Other Perennials	30 lbs	0.7 lb	P													
BERMUDA, COMMON <i>Cynodon dactylon</i>																
Unhulled Seed	10 lbs	0.2 lb	P													1,787,000 seed per pound. Quick cover. Low growing and sod forming. Full sun. Good for athletic fields.
With Other Perennials	6 lbs	0.7 lb	C													
BERMUDA, COMMON <i>Cynodon dactylon</i>																
Unhulled Seed	10 lbs	0.2 lb	P													Plant with winter annuals.
With Other Perennials	6 lbs	0.1 lb	C													Plant with Tall Fescue.
BERMUDA SPRIGS <i>Cynodon dactylon</i>																
Coastal, Common, Midland, or Tift 44	40 cu ft	0.9 cu ft	M-L													A cubic foot contains approximately 650 sprigs. A bushel contains 1.25 cubic feet or approximately 800 sprigs.
Coastal, Common, or Tift 44		or	P C													
	sod plugs 3'x3'		C													Southern Coastal Plain only.
CENTPEDE <i>Eremochloa ophiuroides</i>																
	Block sod only		P C													Drought tolerant. Full sun or partial shade. Effective adjacent to concrete and in concentrated flow areas. Irrigation is needed until fully established. Do not plant near pastures. Winter hardy as far as north Athens and Atlanta.
CROWNVETECH <i>Coronilla varia</i>																
With winter annuals or cool season grasses	15 lbs	0.3 lbs	M-L P													100,000 seed per pound. Dense growth. Drought tolerant and fire resistant. Attractive rose, pink, and white blossoms spring to late fall. Mix with 30 pounds of Tall fescue or 15 pounds of rye. Inoculate seed with M inoculant. Use from North Atlanta and Northward.
Alone																
FESCUE, TALL <i>Festuca arundinacea</i>																
	50 lbs	1.1 lbs	M-L													227,000 seed per pound. Use alone only on better sites. Mix with perennial lespedeza or crownvetch. Apply topdressing in spring following fall plantings. Not for heavy use areas or athletic fields.
with other perennials	30 lbs	0.7 lbs	P													
<i>Pueraria thumbergiana</i>																
Plants or crowns	3' - 7' apart		ALL													Rapid and vigorous growth. Excellent in gully erosion control. Will climb good livestock forage.
LESPEDEZA SERICEA <i>Lespedeza cuneata</i>																
	60 lbs	1.4 lbs	M-L P C													350,000 seed per pound. Widely adapted. Low maintenance. Mix with weeping lovegrass, common bermuda, bahia, or tall fescue. Takes 2 to 3 years to become fully established. Excellent on roadbanks. Inoculate seed with EL inoculant.
	75 lbs	1.7 lbs	M-L P C													Mix with all fescue or winter annuals.
seed-bearing hay	3 tons	1338 lbs	M-L P C													Cut when seed mixture is mature but before it shatters. Add tall fescue or winter annuals.
LESPEDEZA <i>Ambro virgata</i> <i>Lespedeza virgata DC</i> or Appalow <i>Lespedeza cuneata</i> (Dumont G. Don)																
	60 lbs	1.4 lbs	M-L P C													350,000 seed per pound. Height of growth is 18 to 24 inches. Advantageous in urban areas. Spreading-type growth. New growth has bronze coloration. mix with weeping lovegrass, common bermuda, bahia, tall fescue or winter annuals. Do not mix with Sericea lespedeza. Slow to develop solid stands. Inoculate seed with EL inoculant.
	75 lbs	1.7 lbs	M-L P													
LESPEDEZA <i>Lespedeza bicolor</i> <i>Lespedeza thumbergii</i>																
plants	3' x 3'		M-L P C													Provide wildlife food and cover.
LOVEGRASS, WEEPING <i>Eragrostis curvula</i>																
alone	4 lbs	0.1 lb	M-L													1,500,000 seed per pound. Quick cover. Drought tolerant. Grows well with Sericea lespedeza on roadbanks.
with others perennials	2 lbs	0.05 lb	P C													
MAIDENCANE <i>Panicum hemitomon</i> sprigs																
	2' x 3' spacing		ALL													For very wet sites. May clog channels. Dig sprigs from local sources. Use along river banks and shorelines.
PANICGRASS, ATLANTIC COASTAL <i>Panicum amarum var amarum</i>																
	20 lbs	0.5 lb	P C													Grow well on coastal sand dunes, borrow areas and gravel pits. Provide winter cover for wildlife. Mix with Sericea lespedeza except on sand dunes.
REED CANARY GRASS <i>Phalaris arundinacea</i>																
alone	50 lbs	1.1 lb	M-L													Grow well on coastal sand dunes, borrow areas and gravel pits. Provide winter cover for wildlife. Mix with Sericea lespedeza except on sand dunes.
with other perennials	30 lbs	0.7 lb	P													
SUNFLOWER, 'AZTEC' MAXIMILLIAN <i>Helianthus maximiliani</i>																
	10 lbs	0.2 lb	M-L P C													227,000 seed per pound. Mix with weeping lovegrass or other low-growing grasses or legumes.

<sup>1</sup>Reduce seeding rates by 50% when drilled.  
<sup>2</sup>PLS is an abbreviation for Pure Live Seed. Refer to Section V.E. of these specifications.  
M-L, represents the Mountain, Blue Ridge, and Ridges and Valleys MLRAs  
P represents the Southern Piedmont MLRA  
C represents Southern Coastal Plain, Sand Hills, Black Lands, and Atlantic Coast Flatwoods MLRAs  
(see Figure 6-4.1, p. 6-40 of the Georgia Manual for Sedimentation and Erosion Control, 2014)

NOTES:  
1. AGRICULTURAL LIME IS REQUIRED FOR ALL GRADED AREAS AT THE RATE OF ONE TO TWO TONS PER ACRE UNLESS SOIL TESTS DETERMINE OTHERWISE.  
2. MULCHING FOR PERMANENT GRASSING IS REQUIRED. REFER TO THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA", 2016 EDITION, PAGES 6-38 AND 6-39.

Dust Control on Disturbed Areas Du



**DEFINITION**  
Controlling surface and air movement of dust on construction sites, roads, and demolition sites.

**PURPOSE**  
•To prevent surface and air movement of dust from exposed soil surfaces.

•To reduce the presence of airborne substances that may be harmful or injurious to human health, welfare, or safety, or to animals or plant life.

**CONDITIONS**  
This practice is applicable to areas subject to surface and air movement of dust where on and off-site damage may occur without treatment.

METHOD AND MATERIALS

A. Temporary Methods

**Mulches.** See standard Ds1 - Disturbed Area Stabilization (With Mulching Only). Synthetic resins may be used instead of asphalt to bind mulch material. Refer to specification Tac - Tackifiers. Resins should be used according to manufacturer's recommendations.

**Vegetative Cover.** See specification Ds2 - Disturbed Area Stabilization (With Temporary Seeding).

**Spray-on Adhesives.** These are used on mineral soils (not effective on muck soils). Keep traffic off these areas. Refer to specification Tac - Tackifiers.

**Tillage.** This practice is designed to roughen and bring clods to the surface. It is an emergency

measure that should be used before wind erosion starts. Begin plowing on windward side of site. Chisel-type plows spaced about 12 inches apart, spring-toothed harrows, and similar plows are examples of equipment that may produce the desired effect.

**Irrigation.** This is generally done as an emergency treatment. Site is sprinkled with water until the surface is wet. Repeat as needed.

**Barriers.** Solid board fences, snowfences, burlap fences, crate walls, bales of hay and similar material can be used to control air currents and soil blowing. Barriers placed at right angles to prevailing currents at intervals of about 15 times their height are effective in controlling wind erosion.

**Calcium Chloride.** Apply at rate that will keep surface moist. May need retreatment.

B. Permanent Methods

**Permanent Vegetation.** See specification Ds3 -Disturbed Area Stabilization (With Permanent Vegetation). Existing trees and large shrubs may afford valuable protection if left in place.

**Topsoiling.** This entails covering the surface with less erosive soil material. See specification Tp - Topsoiling.

**Stone.** Cover surface with crushed stone or coarse gravel. See specification Cr-Construction Road Stabilization.

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FOR  
WILLIE BASBY  
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LAND LOTS 175, 21ST DISTRICT  
CITY OF COCHRAN, GEORGIA

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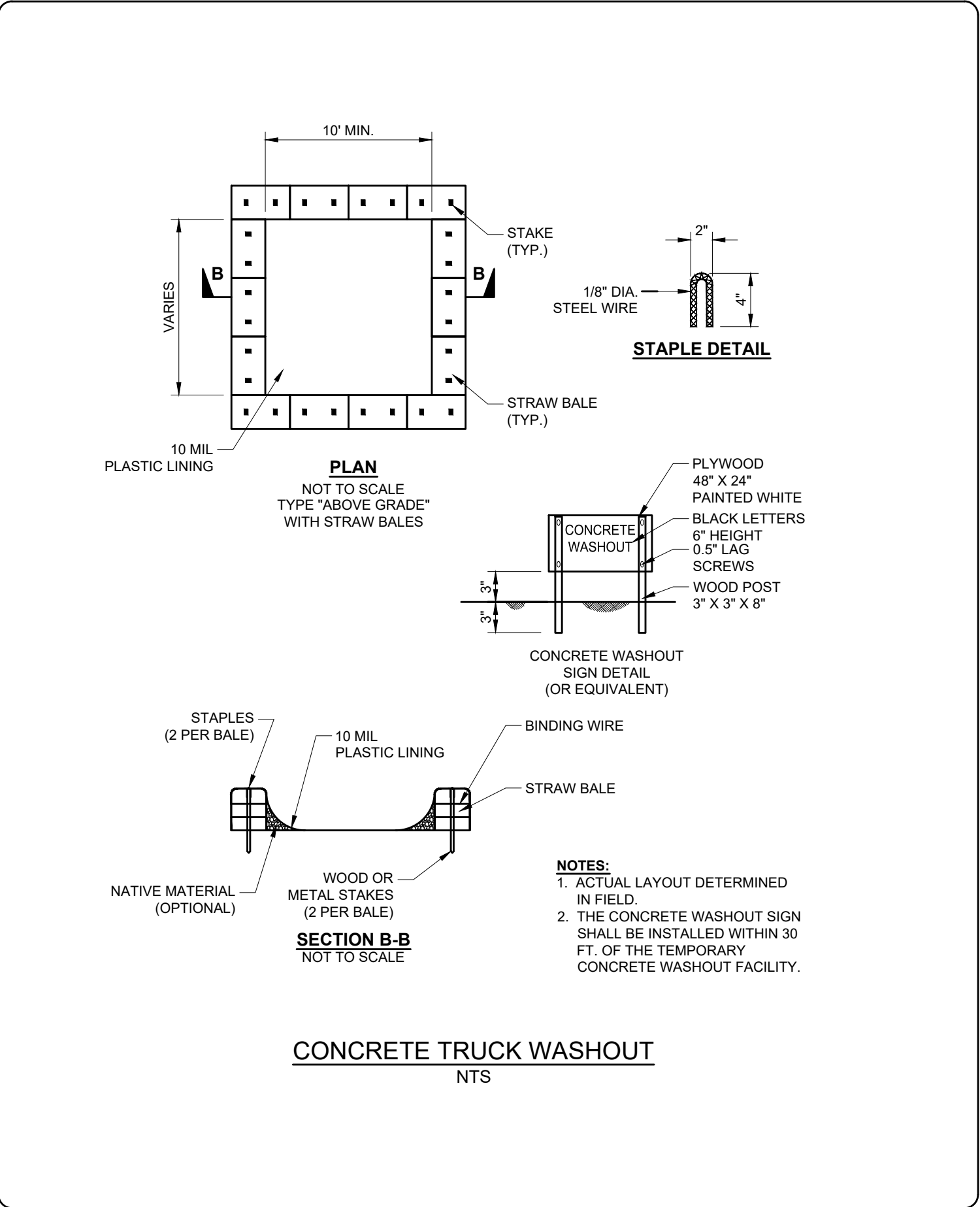
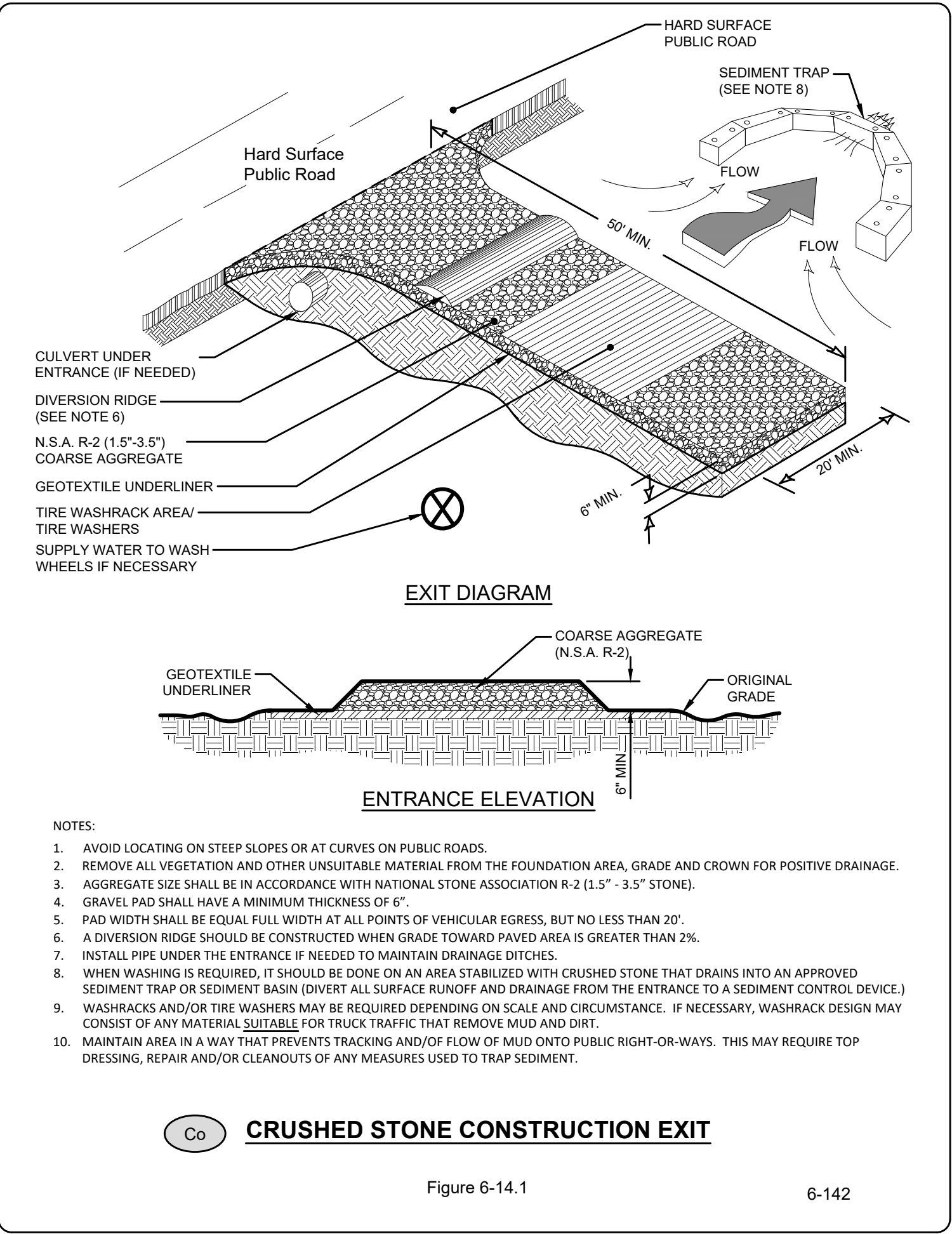
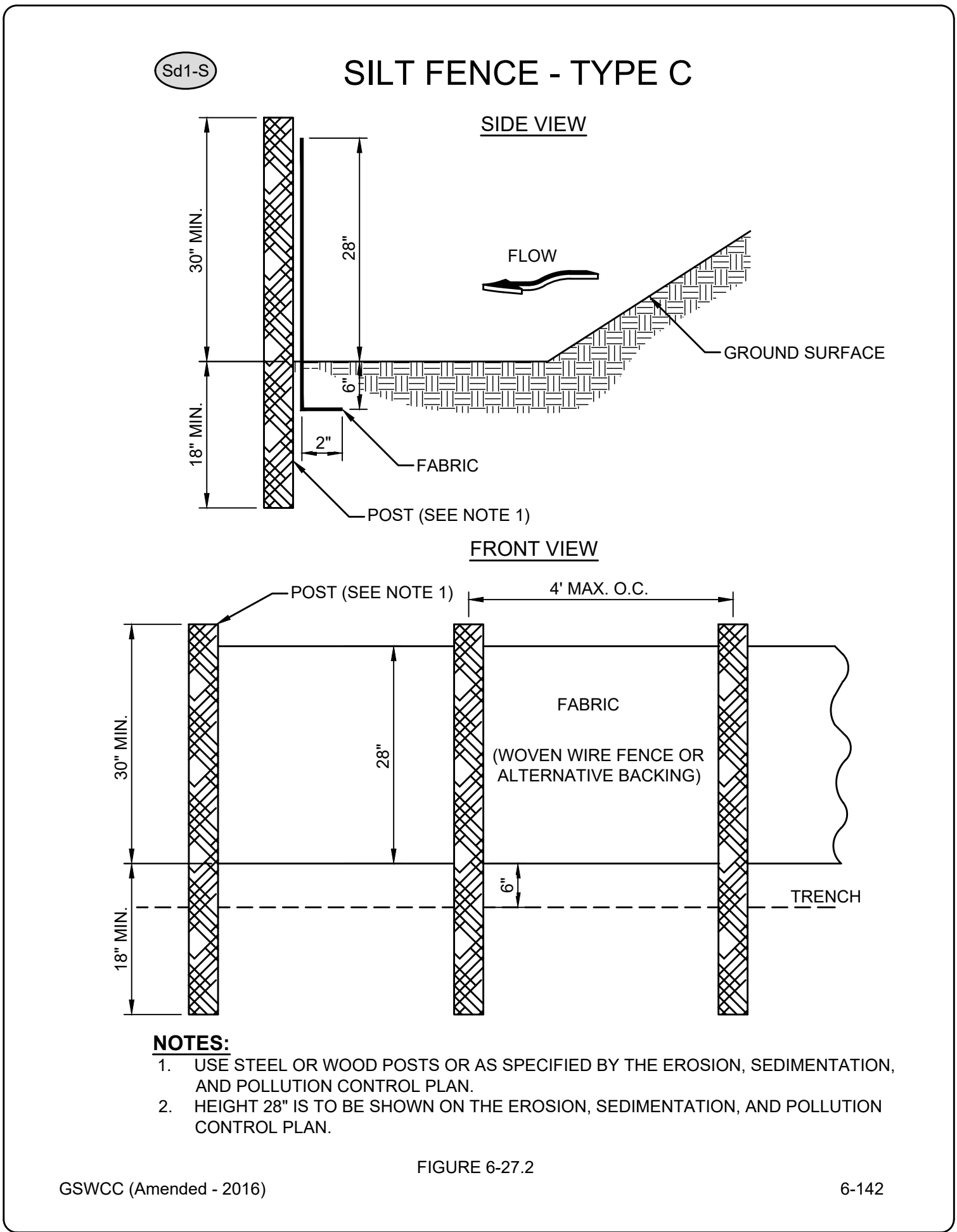
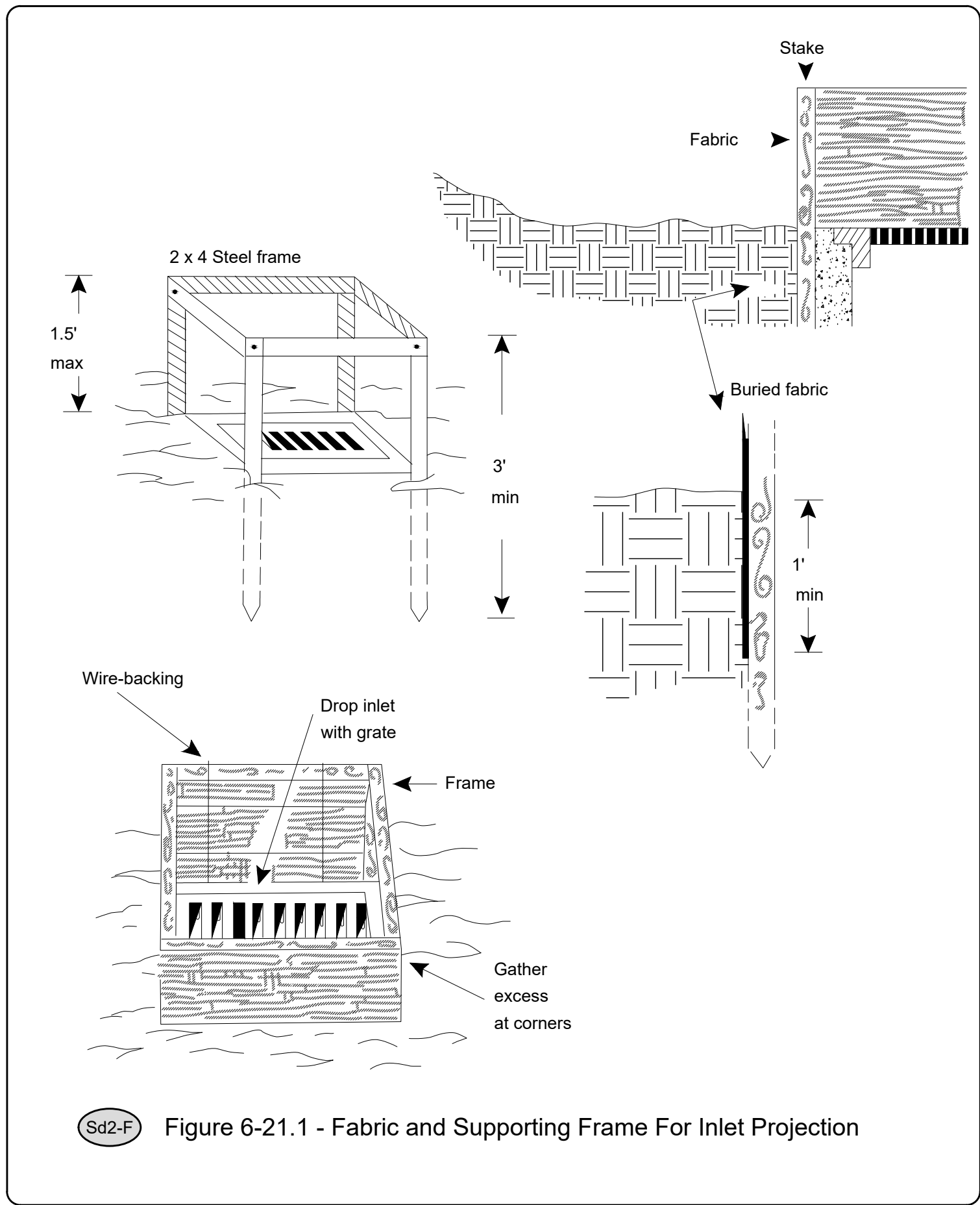
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Product Specifications

Model number: PKP017P

Age Range: 2-12 years

Safety Zone: 26' 8" x 25' 7"

Child Capacity: 24-28

Fall Height: 48"

Post Diameter: 3.5-inch

Product Type: Quick Ship

ADA Accessibility

Elevated: 5 components

Ground Level: 2 components

ADA COMPLIANT

Product Options



MEETS NATIONAL STANDARDS FOR:

ASTM F1487-21

CPSC GUIDELINES #325

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Double Station Shoulder Rotation

Playtuss Plunge

Rectangular Utility Table with Diamond Pat...

Pixel Funnel Climber | Free Standing Climbers...

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Maximum Series Turn Slide

Drexel Pointe | Maximum Play Systems | Play...

8 Foot Sectional Spiral Slide | PSL029

TC141210IN | 10 feet Entrance Height...

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Playground Equipment

Playground Equipment

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Greenfield, IN 46140

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Rectangular Single Pedestal Picnic Table with Diamond Pattern



Product Description

The 8-foot Rectangular Single Pedestal Picnic Table with Diamond Pattern is made from durable American Steel and comes with a 1-year warranty, so it is guaranteed to be long-lasting. A wide variety of custom color options means that customers can choose a table in the color that best matches their area or personal tastes. UV and fade resistant coating on the table will ensure that the chosen color will stay bright and prominent. The coating is also vandal-resistant, making it hard to cut and peel, yet easy to clean. The 8-foot Rectangular Single Pedestal Picnic Table with Diamond Pattern is only available in a six-foot length, since it is all mounted on a single column. However, there are both in-ground and surface mounting options, which allow it to be installed anywhere with ease. The use of a single column saves a lot of space beneath the table, which leaves room for storage or for people to comfortably put their legs.

Product Specifications

Model Number: TRT06-C-06-000

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Traditional Camp Grill



Product Specifications

Model number: GSQ24-S-45-000

Product Options

Select your mount: In-Ground

32 Gallon Steel Dome Lid



Product Description

The 32 Gallon Steel Dome Lid is a convenient and durable lid which fits over both our 32 Gallon Trash Receptacle with Perforated Steel and 32 Gallon Trash Receptacle with Diamond Pattern. It has a rounded shape that helps prevent water from building up on it, and also makes it more noticeable so that guests will be able to find it easily. This shape of lid also allows the trash can to reach its full capacity, and makes it less likely to overflow. The metal lid is extremely strong, which makes it resistant to tampering by humans or scavenging animals. It also seals tightly to keep rain and moisture from getting in and bad smells from getting out. The dome has a spring-loaded door that stays closed when not in use, ensuring trash will be protected and completely contained. The wide shape fits directly over the opening of the trash can.

Product Specifications

Model Number: RDT32-S-01-000

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32 Gallon Trash Receptacle with Diamond Pattern



Product Description

It is an unfortunate fact that if a convenient receptacle is not available, some people will simply throw their trash anywhere. Keep your location free of litter by installing the 32 Gallon Trash Receptacle with Diamond Pattern. This high-quality commercial-grade trash can is constructed from expanded steel and coated in thermoplastic coating. The thermoplastic coating can be selected in a variety of different colors, allowing you to customize it to match your outdoor venue to the fullest. Contact one of our skilled playground sales staff members for an updated listing of all available color choices. The can's durable components mean that it will require little extra maintenance, and its 32-gallon capacity is large enough to hold a fair amount of garbage. The 32 Gallon Trash Receptacle with Diamond Pattern does not come with a lid or plastic liner, but all of these items can be purchased separately from our site.

Product Specifications

Model Number: RRD32-C-00-000, RIM32-S-00-000

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Diamond Pattern Contoured Bench with Arms



Product Description

The Diamond Pattern Contoured Bench with Arms adds stylish flair to any park or outdoor area that it is added to. The contoured shape of the bench imitates the natural curvature of a person's back, making it a comfortable place to sit for extended periods of time. The bench comes with a 1-year warranty, and is available in a variety of custom color options. The durable thermoplastic coating on the bench is resistant to all kinds of natural wear and tear, including UV damage, which means that the color will stay vibrant and undimmed, even after years of use. The coating is also vandal-resistant, so it is hard to cut or peel, but easy to clean. The Diamond Pattern Contoured Bench with arms can be ordered with an in-ground or surface mount, which allow it to be permanently installed in just about any location. A portable base mount is also available, which allows the bench to be moved freely.

Product Specifications

Model Number: BCA04-C-43-000

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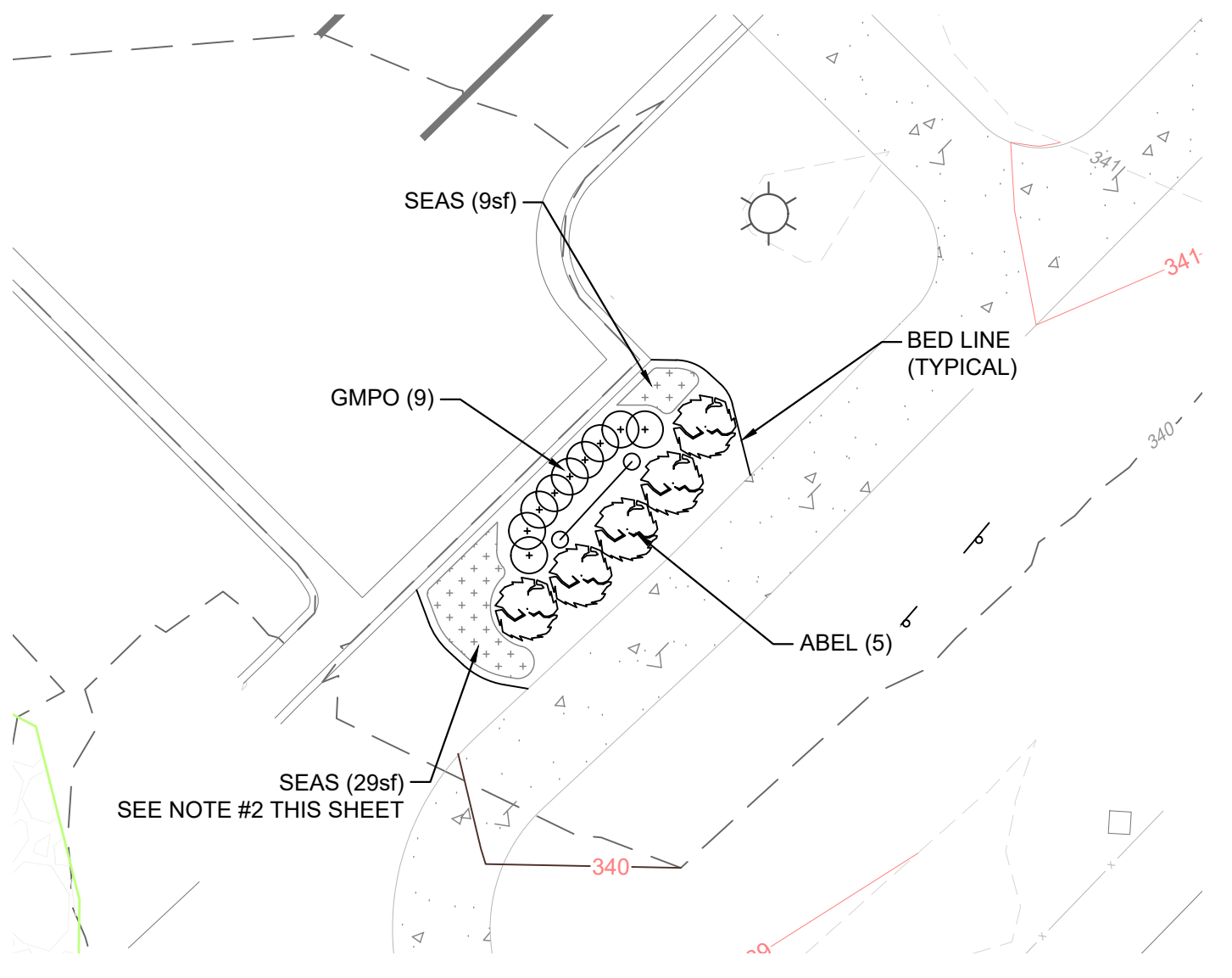
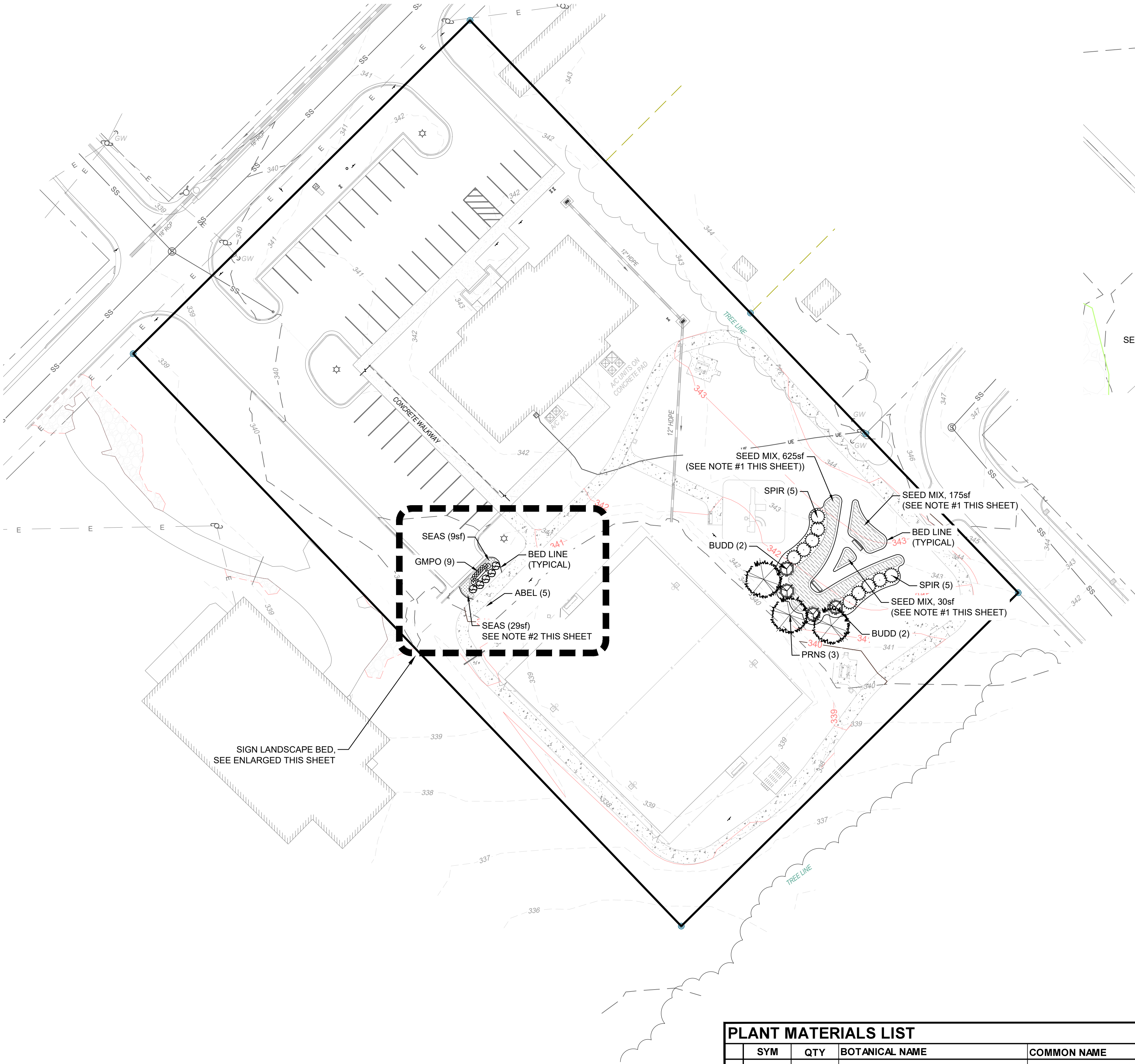
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p:\Projects\city of cochran\010.010 willie basby park design (to no. 2025.06)\engineering\DWG\ICND00.dwg, J.Jones, Wed, Dec 24, 2025 - 12:09pm





NOTES

1. SEED MIX FOR BUTTERFLY GARDEN BEDS SHALL BE COMMERCIALY AVAILABLE SEED MIX DESIGNED TO ATTRACT BUTTERFLIES, HUMMING BIRDS, AND OTHER POLLINATORS. PRODUCT MAY BE PROCURED FROM A REPUTABLE LOCAL SOURCE THAT PROVIDES GARDENING AND LANDSCAPE MATERIALS. THE SEED MIX SHALL CONTAIN A MINIMUM OF 75% NATIVE WILDFLOWERS AND 25% NATIVE GRASSES, BY SEED COUNT, AS ADAPTED TO THE SOUTHEASTERN UNITED STATES AND SHALL INCLUDE BOTH ANNUAL AND PERENNIAL VARIETIES TO PROVIDE BLOOMS FROM EARLY SPRING TO LATE FALL.
2. AN EVERGREEN GROUND COVER MAY BE SUBSTITUTED FOR SEASONAL COLOR SELECTIONS AT THE DISCRETION OF THE CITY.

COMMON POLLINATOR SEED MIX SPECIES

- Yarrow  
Lance Leaved Coreopsis  
Blue False Indigo  
Bergamot  
Common Milkweed  
Butterfly Milkweed  
Blackeyed Susan  
Goat's Rue  
Greyheaded Coneflower  
Blazing Star  
Purple Coneflower  
Rattlesnake Master  
False Sunflower  
Joe-Pye Weed  
White Wingstem  
Showy Tick Trefoil  
Partridge Pea  
Smooth Aster  
Iron Weed  
Tall Goldenrod  
Little Bluestem  
Indian Grass  
Switchgrass  
Tall Dropseed

PLANT MATERIALS LIST

	SYM	QTY	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	COMMENTS
TREES	PRNS	3	Prunus serrulata 'Kwanzan'	Kwanzan Cherry	2" caliper	Field locate	B&B, single trunk, well formed, no visible disease
	ABEL	5	Abelia x 'Edward Goucher'	Edward Goucher Abelia	3 gallon	4' O.C.	Full in container, B&B acceptable, no visible disease
SHRUBS	BUDD	4	Buddleja davidii	Butterfly Bush	3 gallon	Field locate	Full in container, B&B acceptable, no visible disease
	GMPO	9	Azalea satsuki 'Gumpo Pink'	Pink Gumpo Azalea	1 gallon	1.5' o.c.	Full in container, B&B acceptable, no visible disease
	SPIR	10	Spirea x vanhouttei	Vanhout Bridalwreath Spirea	3 gallon	6' o.c.	Full in container, B&B acceptable, no visible disease
OTHER	SEAS	30sf	n/a	Seasonal Color Selections	Pint or flat		Full in container, spacing determined by plant selection
MATERIALS		830sf	n/a	Pollinator Seed Mix	Bag		See notes Sheet 11.0, Apply seed at rate per supplier instructions
	Mulch	93 CY	n/a	Pine Straw or Shredded Hardwood	Bale or Bulk		Install per notes & details on drawings

PLANT MATERIAL QUANTITIES SHOWN FOR CONTRACTOR CONVENIENCE ONLY. CONTRACTOR SHALL VERIFY PLANT MATERIAL QUANTITIES AND, IF NEEDED, SUBMIT QUESTIONS TO OWNER/OWNER'S REPRESENTATIVE PRIOR TO BID SUBMITTAL. NO SUBSTITUTIONS WILL BE ACCEPTED UNLESS APPROVED BY LANDSCAPE ARCHITECT. CONTRACTOR SHALL INCLUDE IN THE BID ALL MATERIAL REQUIRED TO INSTALL PLANT MATERIAL AS SHOWN IN PLANTING DETAILS.

LEGEND		
	PROPOSED	EXISTING
RIGHT-OF-WAY	R/W	R/W
BOUNDARY LINE		
PROPERTY LINE		
CURB & GUTTER		
EASEMENT		
BUILDING		
SIDEWALK		
FENCE		
FIRE HYDRANT		
WATER VALVE		
WATER METER		
WEIR INLET		
JUNCTION BOX		
SANITARY SEWER MANHOLE		
SINGLE WING CATCH BASIN		
DOUBLE WING CATCH BASIN		
STORM PIPE		
SEWER PIPE	SS	SS
WATER MAIN	W	W
CONTOUR (MAJOR)	000	000
CONTOUR (MINOR)	000	000
DRAINAGE BASIN LINE		

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LANDSCAPE PLAN  
FOR  
WILLIE BASBY  
PARK  
LOCATED IN:  
LAND LOTS 175, 21ST DISTRICT  
CITY OF COCHRAN, GEORGIA

REVISIONS

DATE

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GEORGIA  
REGISTERED  
LANDSCAPE ARCHITECT  
NO. 14001862  
12/23/25

DATE: 12/23/25

SCALE: 1" = 30'

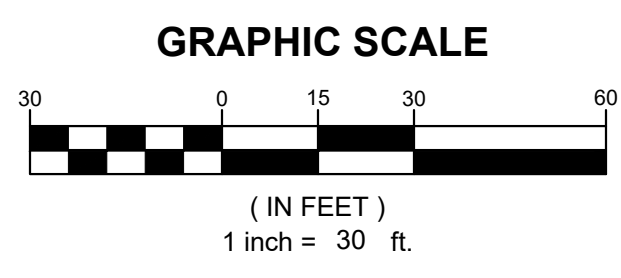
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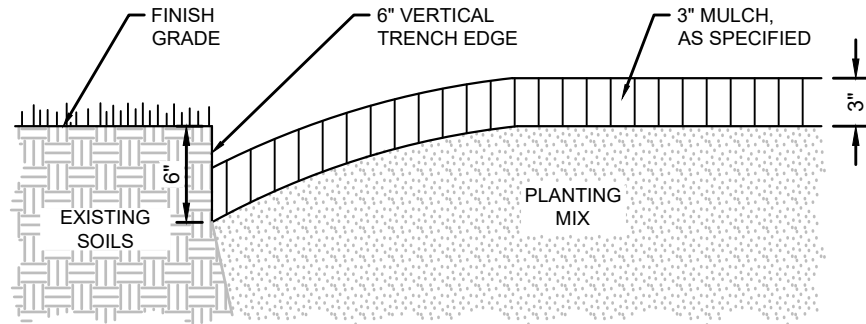
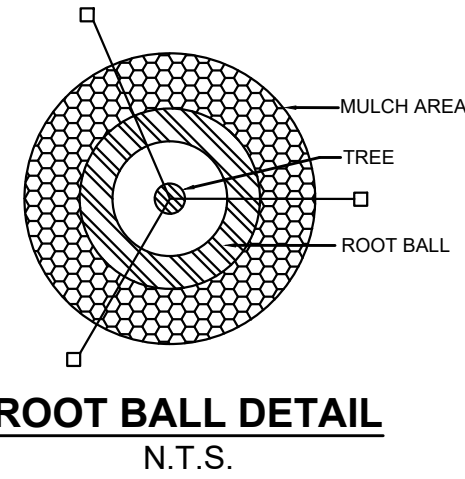
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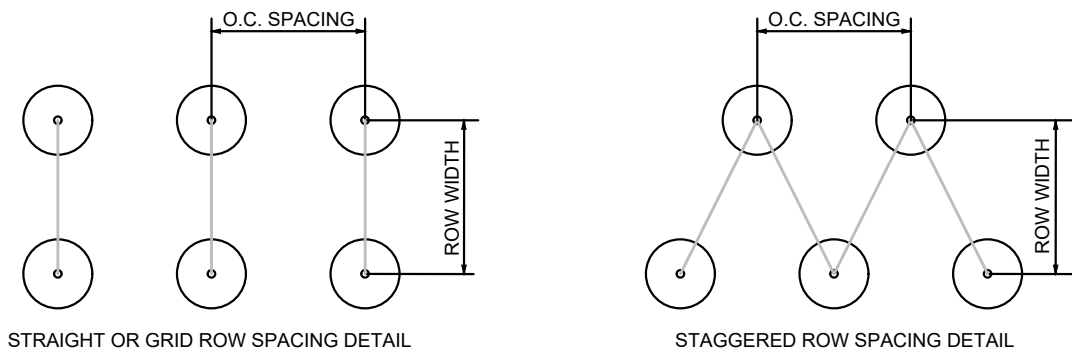


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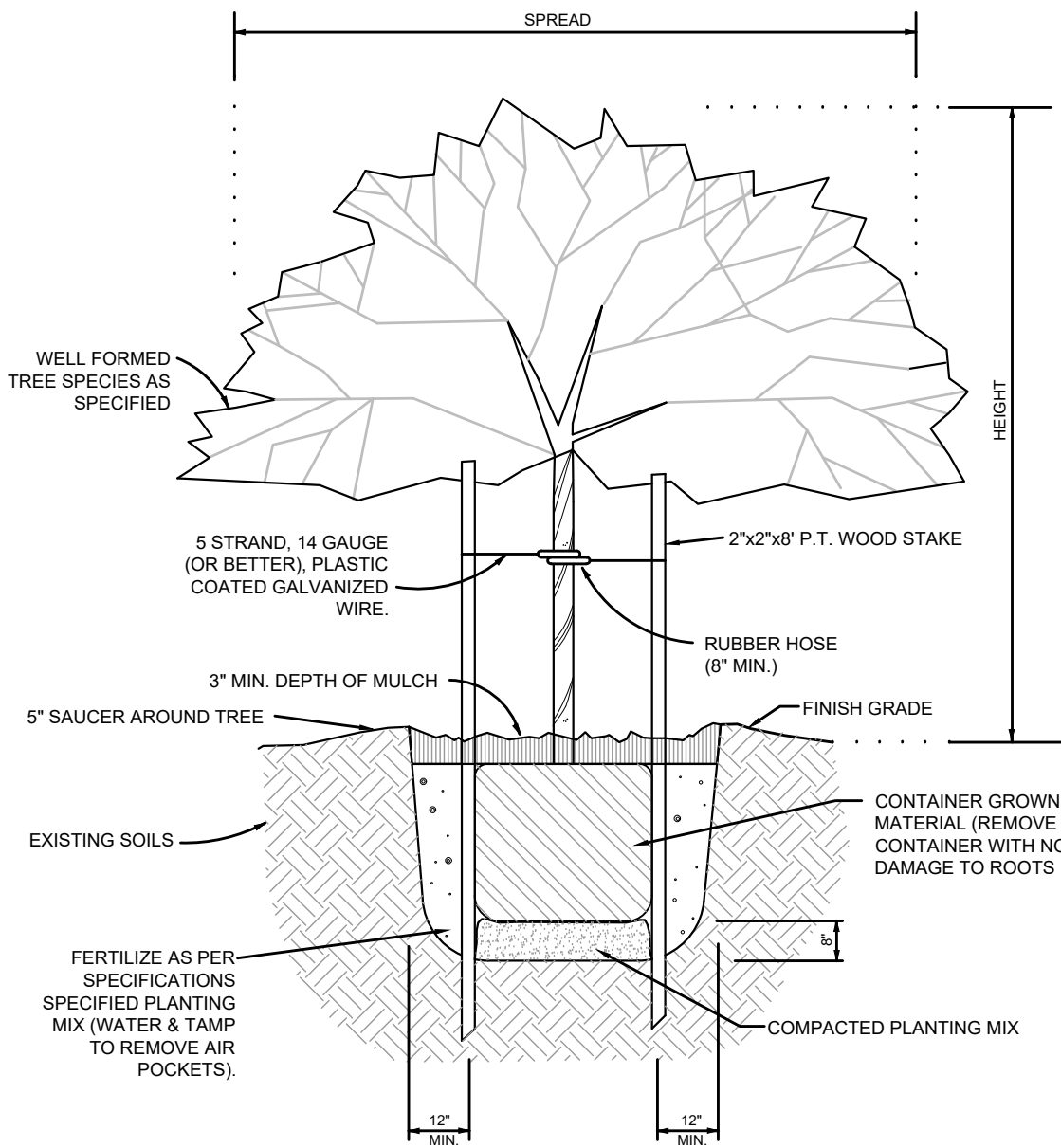




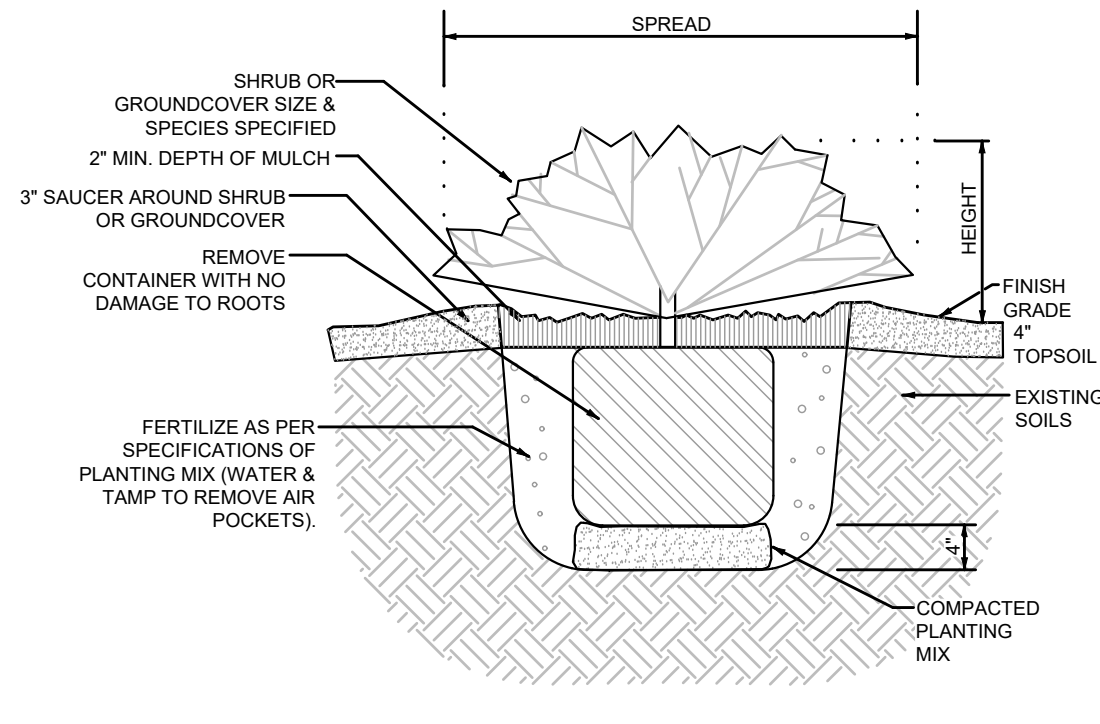
**TYP. PLANTING BED TRENCH EDGE**  
N.T.S.



**SHRUB & GROUNDCOVER DETAIL**  
N.T.S.



**SMALL TREE PLANTING DETAIL**  
(2" CALIPER OR SMALLER)  
N.T.S.



**SHRUB & GROUNDCOVER DETAIL**  
N.T.S.

**GENERAL NOTES:**

1. THE INFORMATION ON THIS PLAN AND PLANT SCHEDULE IS FOR LISTING PURPOSES ONLY AND DOES NOT INDICATE ALL SPECIFICATION REQUIREMENTS. FOR COMPLETE DESCRIPTION OF LANDSCAPE MATERIAL REQUIREMENTS, SEE APPROPRIATE DRAWINGS AND TECHNICAL SPECIFICATIONS.
2. QUANTITIES ON LANDSCAPE PLAN ARE MINIMUM ONLY. CONTRACTOR IS RESPONSIBLE FOR HIS OWN QUANTITY TAKE-OFF, AND SHALL PROVIDE ALL PLANT MATERIAL REQUIRED TO FILL PLANT BED AREA AT SPACING INDICATED ON PLANT MATERIAL SCHEDULE.
3. ALL PLANTING AREAS SHALL BE MULCHED WITH A MINIMUM DEPTH OF THREE (3) INCHES OF PINE STRAW MULCH, UNLESS INDICATED OTHERWISE. A PRE-EMERGENT HERBICIDE SHALL BE APPLIED TO PLANTING AREAS PRIOR TO MULCH INSTALLATION PER MANUFACTURER'S SPECIFICATIONS.
4. ALL DISTURBED SITE AREAS SHALL BE SODDED WITH EXCEPTION TO PLANTED MULCHED BEDS AND OTHER GRASSING MEASURES OUTLINED IN EROSION AND CONTROL PLANS. ALL RIGHT OF WAY DISTURBANCE SHALL CONFORM TO STANDARDS AND SPECIFICATIONS OF LOCAL AND/OR STATE JURISDICTION.

**GENERAL PLANTING NOTES:**

1. ALL PLANT MATERIAL SHALL CONFORM TO THE SIZE, QUALITY, AND CONDITION STANDARDS OF THE "AMERICAN STANDARDS FOR NURSERY STOCK" AND WITH ALL OTHER STANDARDS SET FORTH BY THE STATE OF GEORGIA. "PLANT PROTECTION REGULATIONS" SET BY THE GEORGIA DEPARTMENT OF AGRICULTURE, ALONG WITH ALL OTHER STANDARDS SET FORTH BY THE STATE OF GEORGIA. MINIMUM GRADE #1 QUALITY.
2. FINAL LOCATION OF ALL PLANT MATERIAL SHALL BE SUBJECT TO THE APPROVAL OF THE OWNER'S REPRESENTATIVE. AFTER FLAGGING PLANT LOCATIONS AND PRIOR TO INSTALLATION THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE FOR INSPECTION.
3. THE CONTRACTOR SHALL REMOVE ALL DEAD WOOD, SUCKERS, AND ALL BROKEN OR DAMAGED BRANCHES IN ACCORDANCE WITH THE AAN (AMERICAN ASSOCIATION OF NURSERYMEN) STANDARDS IN ORDER TO PRESERVE THE NATURAL CHARACTER OF THE TREE.
4. ALL DISTURBED AREAS SHALL BE SEEDED WITH GRASS OF THE LIKE KIND UNLESS INDICATED OTHERWISE ON PLANS. CONTRACTOR IS TO PROVIDE A VIGOROUS STAND OF TURF, FREE FROM DISEASE AND/OR WEEDS.
5. ALL PLANTING PITS SHALL BE FREE OF ROCKS, GRAVEL, AND OTHER DEBRIS. ALL PLANTING PITS SHALL BE PREPARED IN ACCORDANCE WITH THE PLANTING DETAILS.
6. NO SUBSTITUTION OF PLANT SPECIES OR VARIETY SHALL BE MADE WITHOUT PRIOR WRITTEN PERMISSION FROM THE LANDSCAPE ARCHITECT.
7. BURLAP MATERIAL ON BALLED AND BURLAPPED PLANTS SHALL BE THE TYPE WHICH WILL BIODEGRADE WITHIN TWO YEARS (NO SYNTHETICS, PLASTIC, NYLON, TREATED OR OTHER NON-NATURAL TYPES WILL BE ALLOWED). AFTER SETTING BALLED AND BURLAPPED PLANTS IN THE PLANTING PIT, ALL BINDER TWINE SHALL BE CUT AND THE BURLAP REMOVED FROM THE TOP 1/3 OF THE ROOTBALL.
8. ALL SHRUB, GROUNDCOVER, AND SEASONAL COLOR BED AREAS SHALL BE TOP DRESSED WITH A MINIMUM OF 3" OF MULCH. THE MULCH SHALL BE FREE FROM MOLD, STICKS, CONES, WEEDS AND OTHER DEBRIS. COMPACTION OF THE MULCH SHALL OCCUR NATURALLY OVER A TWO WEEK PERIOD IN WHICH AT LEAST ONE SIGNIFICANT RAINFALL HAS OCCURRED. ADDITIONAL MULCH SHALL BE PLACED IN ORDER TO MAINTAIN THE MINIMUM DEPTH UNTIL DATE OF FINAL ACCEPTANCE.
9. ALL EXISTING TURF AND VEGETATION SHALL BE STRIPPED AND REMOVED PRIOR TO THE INSTALLATION OF ANY TURF OR PLANT MATERIAL. CARE SHALL BE TAKEN WHEN WORKING AROUND OR NEAR PLANTS LABELED ON THE PLAN AS EXISTING TO REMAIN. ALL EXISTING PLANTS THAT ARE TO REMAIN, IF DAMAGED BY THE CONSTRUCTION, SHALL BE REPLACED BY THE CONTRACTOR AS DIRECTED BY THE OWNER'S REPRESENTATIVE.
10. BACKFILL MIXTURE SHALL CONTAIN 1/3 BY VOLUME OF AMENDMENT GRADE, FINELY GROUND, AND FULLY COMPOSTED PINE OR HARDWOOD BARK. AMENDMENT SHALL BE MIXED THOROUGHLY WITH THE ENTIRE VOLUME OF GOOD SOIL REMOVED FROM THE PLANTING PIT. THIS MIXTURE SHALL BE USED TO BACKFILL AROUND THE ROOTBALL.
11. ALL PLANT MATERIAL SHALL BE PROPERLY WATERED IMMEDIATELY AFTER PLANTING. WATER SHALL BE APPLIED AT A RATE THAT WILL COMPLETELY SATURATE THE ENTIRE ROOTBALL REGARDLESS OF WEATHER CONDITIONS. IF THE HEIGHT OF THE ROOTBALL IS 24", THEN THE PLANT SHALL BE WATERED TO A DEPTH OF 24".
12. IF GRASS SEEDING IS PERFORMED AT A TIME THAT IS NOT THE APPROPRIATE PLANTING SEASON, TEMPORARY GRASSES SHALL BE USED. TEMPORARY GRASSING SHALL BE WINTER (ANNUAL) RYE. THE CONTRACTOR SHALL THEN BE RESPONSIBLE FOR SEEDING AND/OR SODDING ALL TURF AREAS AS SPECIFIED ON THE PLAN DURING THE NEXT APPROPRIATE PLANTING SEASON.
13. BOTANICAL NAMES SHALL TAKE PRECEDENCE OVER COMMON NAMES.
14. ALL PLANTS MUST BE HEALTHY, VIGOROUS MATERIAL THAT IS FREE OF PESTS AND DISEASES.
15. ALL TREES MUST BE OWN ROOT CLONE-GROWN BALLED AND BURLAPPED (B&B) AS INDICATED IN THE PLANT MATERIAL SCHEDULE.
16. ALL TREES MUST BE STRAIGHT TRUNKED, FULL HEADED, AND MEET ALL REQUIREMENTS SPECIFIED.
17. ALL TREES MUST BE INSTALLED AS SHOWN IN THE DETAILS.
18. ALL PLANTS AND PLANTING AREAS MUST BE COMPLETELY MULCHED AS SPECIFIED; ROOT FLARE SHALL NOT BE MULCHED.
19. PRIOR TO CONSTRUCTION, THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES AND SHALL AVOID DAMAGE TO ALL UTILITIES DURING THE COURSE OF THE WORK. THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY AND ALL DAMAGE TO UTILITIES, STRUCTURES, ETC. WHICH OCCURS AS A RESULT OF THE LANDSCAPE CONSTRUCTION.
20. THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL QUANTITIES SHOWN ON THESE PLANS BEFORE PRICING THE WORK.
21. THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR FULLY MAINTAINING ALL PLANTINGS, INCLUDING BUT NOT LIMITED TO, WATERING, SPRAYING, MULCHING, FERTILIZING, ETC. OF PLANTING AREAS & LAWN UNTIL THE WORK IS ACCEPTED IN TOTAL BY THE LANDSCAPE ARCHITECT OR THE OWNER.
22. THE LANDSCAPE CONTRACTOR SHALL COMPLETELY GUARANTEE ALL PLANT MATERIAL FOR A PERIOD OF ONE (1) YEAR BEGINNING AT THE DATE OF FINAL ACCEPTANCE. THE LANDSCAPE CONTRACTOR SHALL PROMPTLY MAKE ALL REPLACEMENTS BEFORE OR AT THE END OF THE GUARANTEE PERIOD (AS PER DIRECTION OF THE OWNER).
23. THE OWNER AGREES TO PERFORM ALL LANDSCAPE MAINTENANCE (INCLUDING WATERING) THROUGHOUT THE ONE YEAR GUARANTEE PERIOD UNLESS OTHERWISE DETERMINED PRIOR TO INSTALLATION.
24. AFTER DELIVERY TO PROJECT SITE, ALL TREES SHALL BE STORED UPRIGHT AND WATERED IF NOT IMMEDIATELY PLANTED.
25. ANY PLANT MATERIAL WHICH DIES, TURNS BROWN, OR DEFOLIATES (PRIOR TO TOTAL ACCEPTANCE OF THE WORK) SHALL BE PROMPTLY REMOVED FROM THE SITE & REPLACED WITH MATERIAL OF THE SAME SPECIES, QUANTITY, SIZE, AND MEETING ALL PLANT MATERIAL SCHEDULE SPECIFICATIONS.

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LANDSCAPE DETAILS  
FOR  
WILLIE BASBY  
PARK  
LOCATED IN:  
LAND LOTS 175, 21ST DISTRICT  
CITY OF COCHRAN, GEORGIA

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