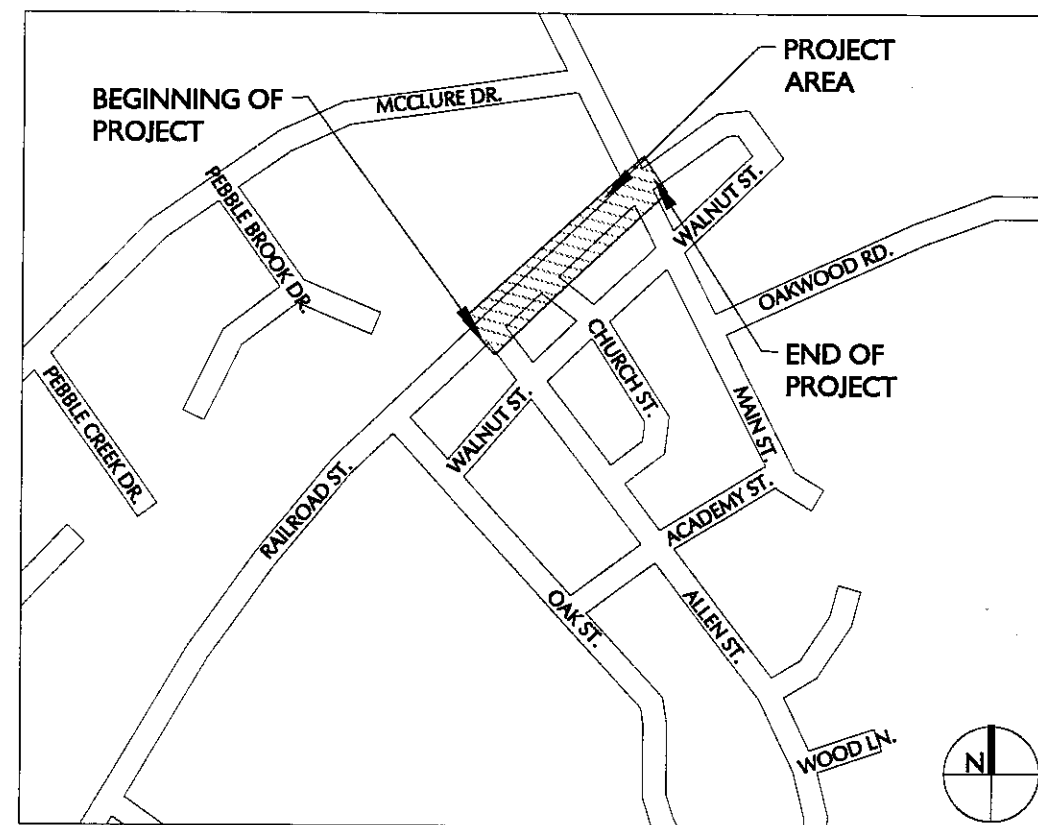


State	Project No.	Sheet No.	Total Sheets
GA.	TEE-0008-00(156)	1	13

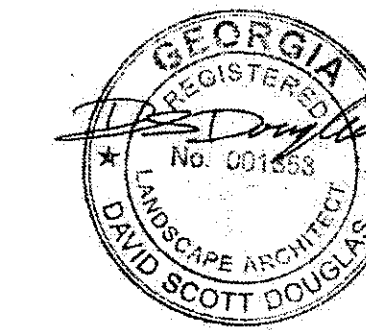
CONSTRUCTION PLANS FOR OAKWOOD STREETScape

TEE-0008-00(156)
HALL COUNTY
PI# 0008156

PROJECT LOCATION MAP



NOTE: ENTIRE PROJECT AREA FALLS WITHIN HALL COUNTY



Landscape Architecture • Historic Preservation • Planning • Environmental Assessment

THE JAEGER COMPANY

119 Washington Street, Gainesville, GA 30501
770/534-2006 FAX: 770/534-0507

PROJECT DIRECTORY

CONSULTANT TEAM

THE JAEGER COMPANY
LANDSCAPE ARCHITECTURE &
PRESERVATION PLANNING
675 PULASKI ST, SUITE 1000
ATHENS, GA 30601
SCOTT DOUGLAS, PROJECT MANAGER
706.553.5459 EXT. 225

ROCHESTER & ASSOCIATES
LAND SURVEYING & ENGINEERING
425 OAK STREET, NW
GAINESVILLE, GA 30501
JOSH TRAWICK
678.450.5126

SPONSOR/OWNER

THE CITY OF OAKWOOD, GEORGIA
4035 WALNUT CIRCLE
OAKWOOD, GA 30566
LARRY SPARKS, PLANNING DIRECTOR
770.534.2365

UTILITIES

ELECTRICAL

GEORGIA POWER COMPANY
426 SPRING STREET
GAINESVILLE, GA 30501
1-800-282-7411

WATER AND SEWER

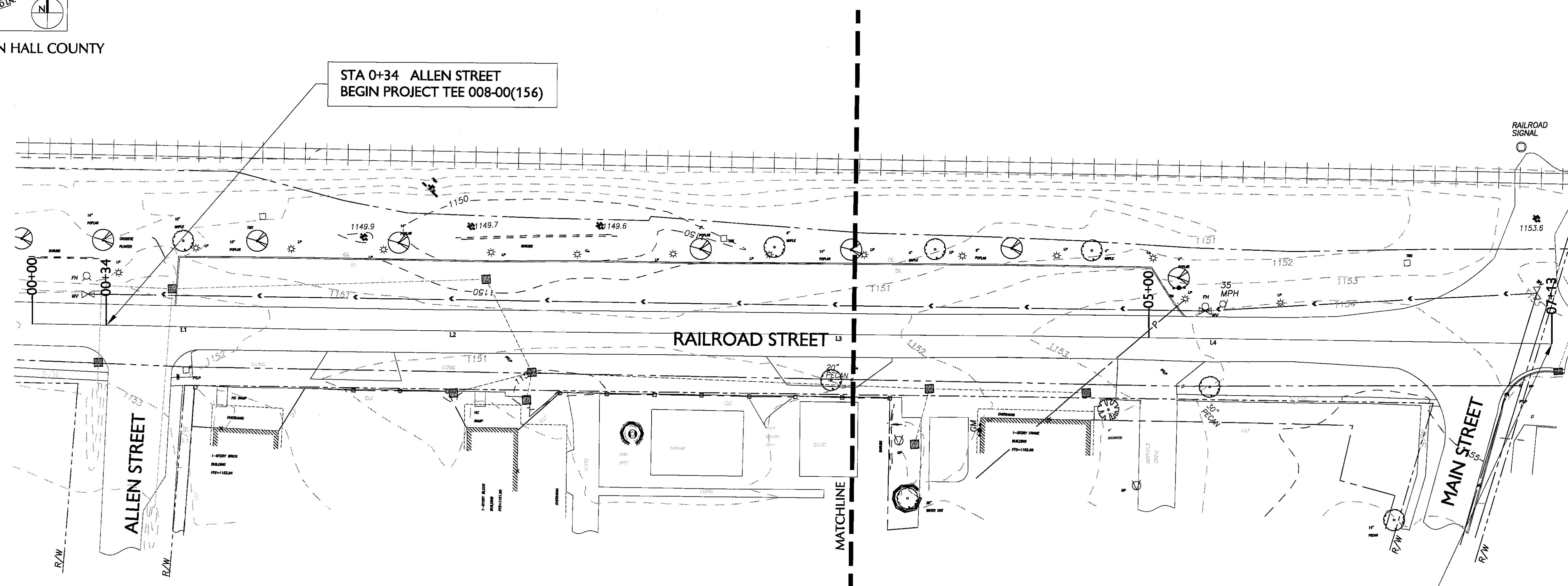
PUBLIC UTILITIES DEPARTMENT
KELLY J. RANDALL, DIRECTOR
PUBLIC UTILITIES ADMIN BUILDING
757 QUEEN CITY PARKWAY
GAINESVILLE, GA 30501

TELEPHONE

AT&T
325 JESSE JEWELL PKWY SE
GAINESVILLE, GA 30501
770-536-2055

CABLE-BROADBAND

CHARTER
3303 W. COMMERCIAL BLVD.
FORT LAUDERDALE, FL 33309
1-877-256-2781



INDEX OF DRAWINGS

SHEET	SHEET TITLE
	COVER SHEET
L.101	EXISTING CONDITIONS
L.201	DEMOLITION PLAN
L.301	LAYOUT PLAN
L.401	PLANTING PLAN
L.402	DETAILS
L.501	SIGNING AND MARKING PLAN
L.601	IRRIGATION PLAN
EC.101	EROSION AND SEDIMENT CONTROL PLAN
EC.102	EROSION AND SEDIMENT CONTROL NOTES & DETAILS
C. 01	GRADING AND DRAINAGE
C. 02 A	STORM PROFILE
C. 02 B	STORM PROFILE

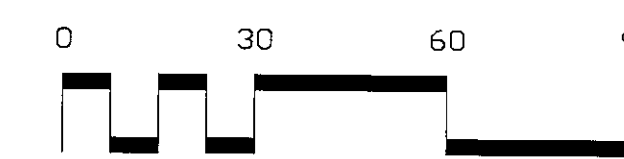
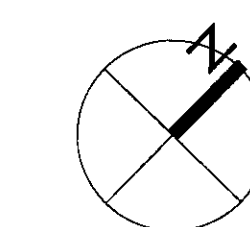
PROJECT LENGTH AND DISTURBED AREA

PROJECT LENGTH: 0.13 MILES (677 FEET)

TOTAL DISTURBED AREA: .92 ACRES

NOI IS NOT REQUIRED FOR THIS PROJECT

**NOTE: THIS PROJECT WILL BE BID AS
LUMP SUM CONSTRUCTION**



REVISION SUMMARY

REVISION	DATE	DESCRIPTION
REV 1	1.31.08	GDOT COMMENTS

All work shall conform to "GDOT Standard Specifications - 2001 Edition", as approved by the Federal Highway Administration and as modified by the contract documents.

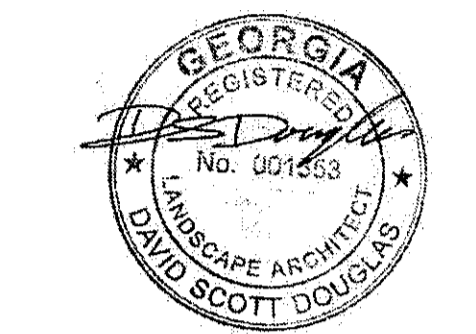
HALL COUNTY	CONSTRUCTION ELEMENT	SHEET NO.	TOTAL SHEETS
	TEE-0008-00(156)	2	13

RAILROAD STREET BEARINGS		
Line	Bearing	Length
L1	S 46-51-1 W	124.2413
L2	S 46-15-27 W	150.7214
L3	S 46-9-23 W	191.571
L4	S 46-24-29	219.4128

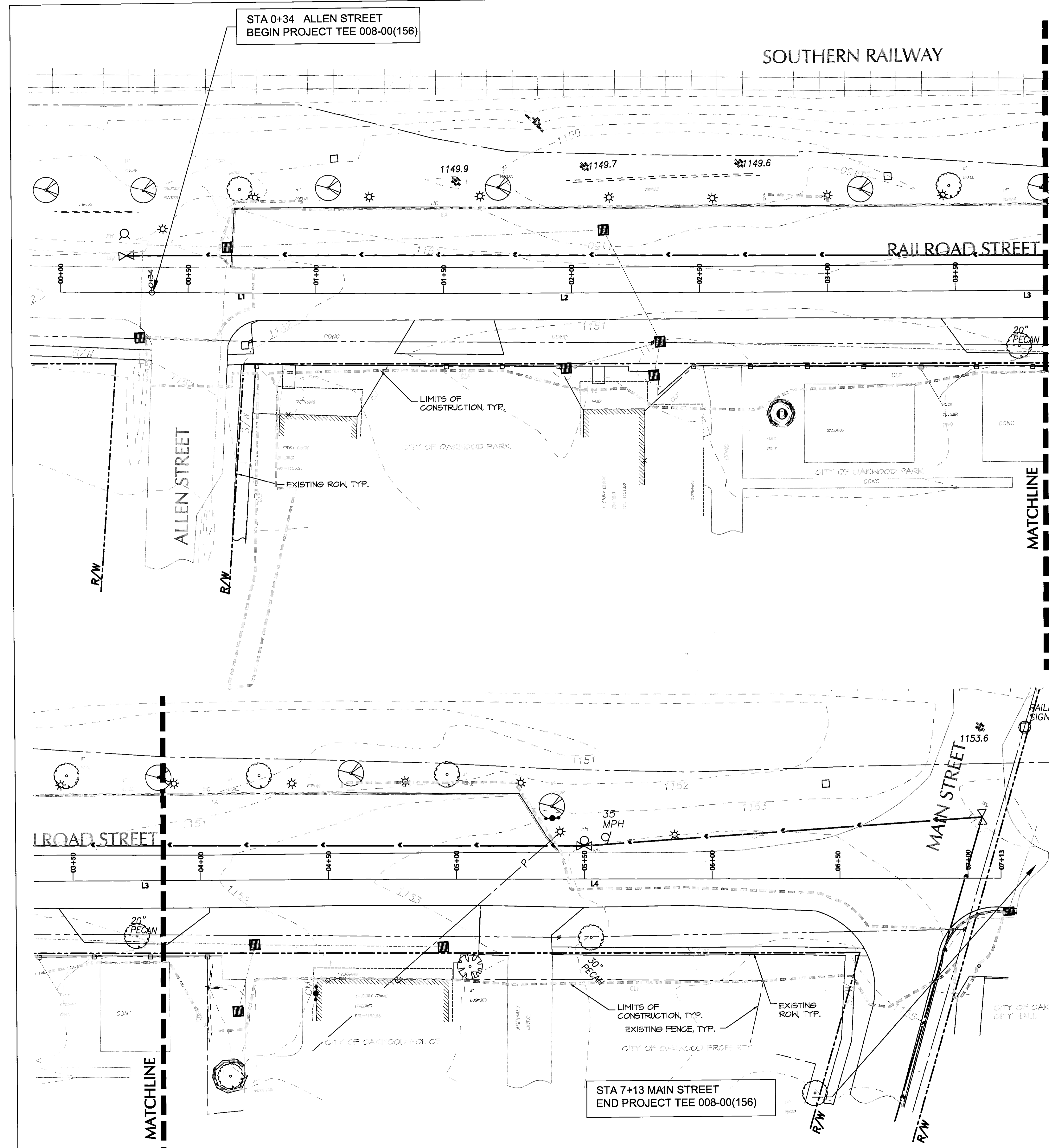


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**RAILROAD STREET CORRIDOR
IMPROVEMENT PROJECT
PHASE I**
TEE-0008-00(156); PI No. 0008156
CITY OF OAKWOOD
HALL COUNTY, GEORGIA



LEGEND

- EXISTING INTERMEDIATE CONTOUR
- - - EXISTING INDEX CONTOUR
- WATER MAIN
- GAS LINE
- STORM DRAIN
- α FH FIRE HYDRANT
- M.H. MANHOLE
- ⊗ WV WATER VALVE
- GV GAS VALVE
- WM WATER METER
- TBX TELEPHONE BOX
- FENCE
- ⊙ PTP POWER /TELEPHONE POLE
- IP IRON PIN FOUND
- DI DROP INLET
- P OVERHEAD POWER LINE
- JB JUNCTION BOX
- ↓ GW GUY WIRE
- PROPERTY LINE
- EDGE OF PAVEMENT
- ☀ EXISTING TREE

GENERAL NOTES

1. THE CONTRACTOR SHALL PROVIDE SAFE PEDESTRIAN INGRESS/EGRESS USING TEMPORARY WALKS AND RAMPS AS NECESSARY TO ALL BUSINESSES DURING CONSTRUCTION AND SHALL NOTIFY BUSINESS OWNERS 48 HOURS PRIOR TO DISTURBANCE ADJACENT TO THEIR PROPERTY.
2. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL DAMAGE CLAIMS REGARDING AWNINGS OR OTHER PROPERTY WITHIN THE RIGHT OF WAY.
3. THE CONTRACTOR WILL BE RESPONSIBLE FOR PREPARING A TRAFFIC CONTROL PLAN SHOWING THE PROPOSED MEASURES TO MANAGE TRAFFIC DURING CONSTRUCTION ACTIVITIES. THE PLAN SHALL CONFORM TO THE 2003 MANUAL OF UNIFORM TRAFFIC DEVICES AND GEORGIA DOT SPECIFICATION 150. ANY LANE CLOSURES MUST BE APPROVED BY AND COORDINATED WITH THE GDOT AREA ENGINEER. LANE CLOSURES WILL REQUIRE PROPER LANE TAPERS AND ADVANCE WARNINGS PER GEORGIA DOT STANDARDS.
4. SHOULD AN UNDERGROUND TANK BE ENCOUNTERED DURING CONSTRUCTION THE CONTRACTOR SHALL IMMEDIATELY STOP WORK IN THAT AREA AND CONTACT THE GEORGIA ENVIRONMENTAL FACILITIES AUTHORITY, 100 PEACHTREE STREET NW, ATLANTA, GA. AT (404) 657-1322.
5. UTILITIES MUST BE FIELD LOCATED BEFORE CONSTRUCTION; PRIOR TO PERFORMING ANY LAND DISTURBANCE ACTIVITIES OR WHEN WORK IS TO BE PERFORMED WITHIN TEN FEET OF HIGH VOLTAGE OVERHEAD POWER LINES, THE CONTRACTOR IS REQUIRED BY LAW TO NOTIFY THE UTILITY PROTECTION CENTER AT 1-800-282-7411; SEVENTY-TWO HOUR ADVANCE NOTICE IS REQUIRED.
6. THE CONTRACTOR SHALL NOT BE ALLOWED TO STORE OR STOCKPILE MATERIALS OR EQUIPMENT ON COUNTY OR STATE RIGHT-OF-WAY UNLESS PRIOR WRITTEN APPROVAL IS OBTAINED FROM THE RESPECTIVE JURISDICTION.
7. ALL SIGNING, MARKING, AND TRAFFIC CONTROL SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, 2003 EDITION.
8. THIS PROJECT HAS BEEN DESIGNED TO COMPLY WITH THE TITLE II PROVISIONS OF THE AMERICAN WITH DISABILITIES ACT (ADA).

UTILITIES PROTECTION CENTER OF GEORGIA
1-800-282-7411
IN METRO- ATLANTA AREA PLEASE CALL: 623-4344

Date: 1.31.08

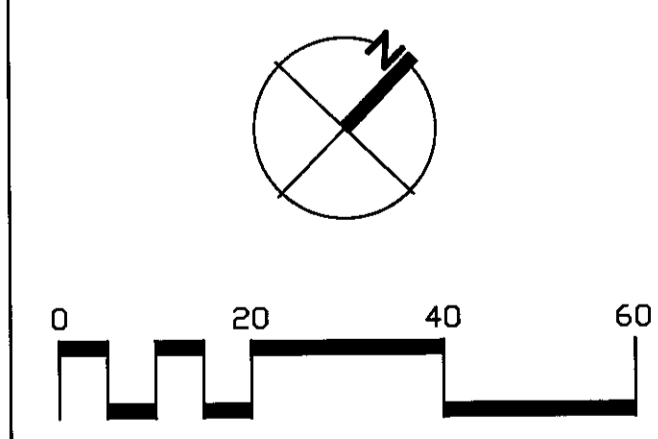
Revisions: _____

Project No.: 07002

Scale: 1" = 20'

Drawn: CP

Checked: SD,CT



EXISTING CONDITIONS

L.101

HALL COUNTY	CONSTRUCTION ELEMENT	SHEET NO.	TOTAL SHEETS
	TEE-0008-00(156)	3	13

Line	Bearing	Length
L1	S 46-51-1 W	124.2413
L2	S 46-15-27 W	150.7214
L3	S 46-9-23 W	191.571
L4	S 46-24-29	219.4128

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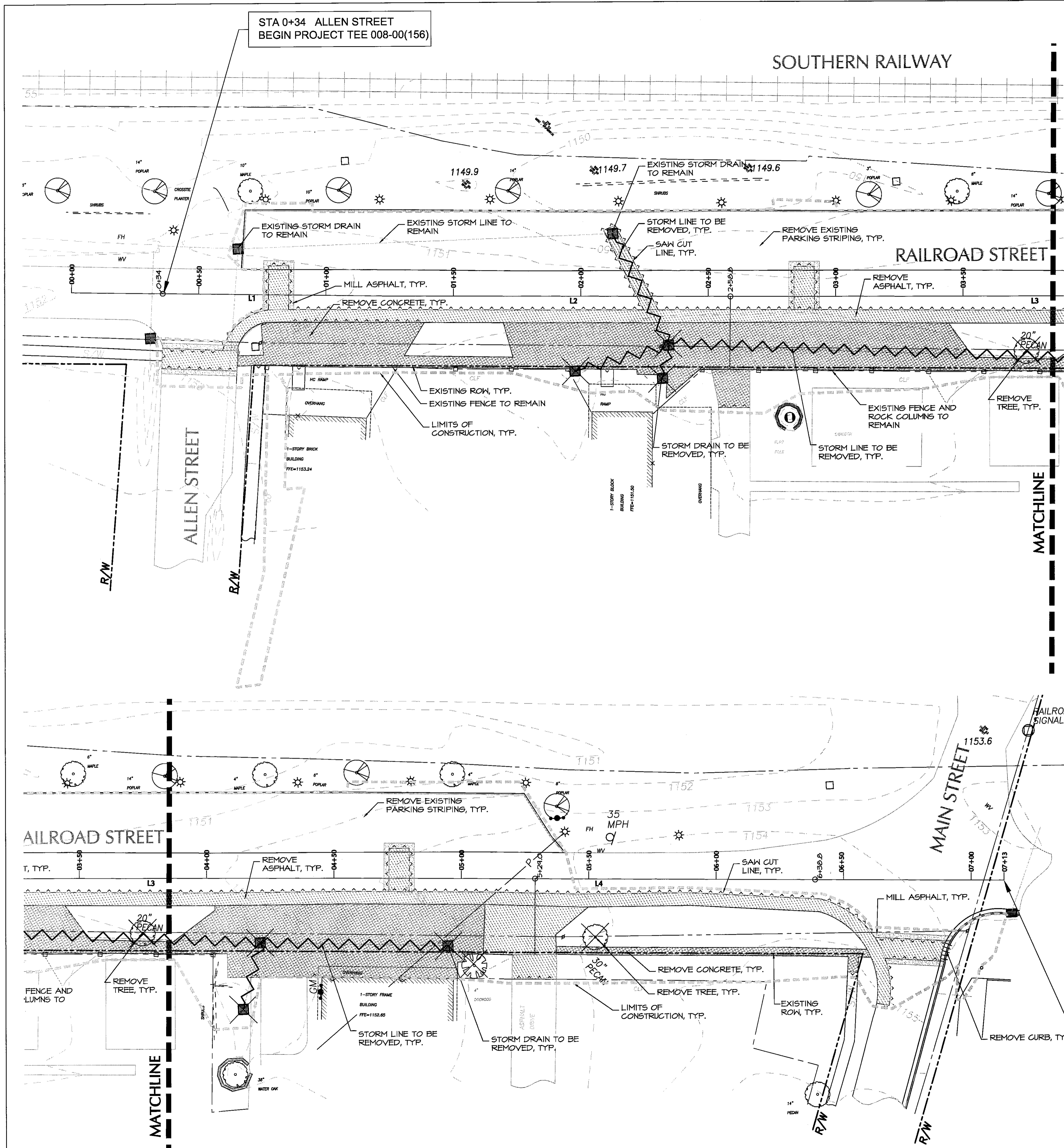
THE JAEGER COMPANY

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RAILROAD STREET CORRIDOR IMPROVEMENT PROJECT PHASE I
TEE-0008-00(156); PI No. 0008156
CITY OF OAKWOOD
HALL COUNTY, GEORGIA



LEGEND

- CONCRETE PAVING REMOVAL
- ASPHALT PAVING REMOVAL
- ASPHALT MILLING
- CURB REMOVAL
- SAWCUT LINE
- R/W LINE
- LIMITS OF CONSTRUCTION
- TREE REMOVAL
- STORM DRAIN REMOVAL
- STORM LINE REMOVAL

DEMOLITION NOTES:

1. INSTALL TREE PROTECTION FENCE AND EROSION CONTROL DEVICES PRIOR TO ANY DEMOLITION. SEE EC 101 FOR LOCATIONS.
2. EXISTING UNDERGROUND PIPES TO REMAIN UNLESS OTHERWISE NOTED ON THE DEMOLITION PLANS. PROTECT DURING DEMOLITION. IF DAMAGED, REPLACEMENT IS RESPONSIBILITY OF CONTRACTOR.
3. PROTECT ALL ITEMS DESIGNATED TO REMAIN FROM DISTURBANCES OR DAMAGE DURING DEMOLITION.
4. CONTRACTOR SHALL VERIFY EXISTING UTILITY INFORMATION WITH COUNTY AND UTILITY COMPANIES.
5. CONTRACTOR SHALL VERIFY AND COORDINATE EXTENT OF REMOVALS WITH LAYOUT AND GRADING AND DRAINAGE PLAN BEFORE ANY WORK BEGINS.
6. ALL PAVEMENT TO BE DEMOLISHED WITHIN FUTURE AREAS OF PLANTING SHALL BE FULLY REMOVED INCLUDING BASE MATERIAL.
7. SAW CUT EXISTING PAVEMENT TO PROVIDE CLEAN EDGE FOR POURING NEW CURB AND GUTTER. REPAIR AREAS OF BROKEN PAVEMENT IN ACCORDANCE WITH GDOT DETAIL gse1401STAGE 3.
8. SPREAD WHEAT STRAW ON NEWLY DISTURBED AREAS DAILY FOR EROSION CONTROL.
9. ALL REMOVALS TO BE DISPOSED OF AT AN ENVIRONMENTALLY APPROVED WASTE SITE.
10. ADJUST ALL UTILITIES TO GRADE AS NECESSARY.

STA 7+13 MAIN STREET
END PROJECT TEE 008-00(156)

UTILITIES PROTECTION CENTER OF GEORGIA
1-800-282-7411
IN METRO-ATLANTA AREA PLEASE CALL: 623-4344

Date: **1.31.08**

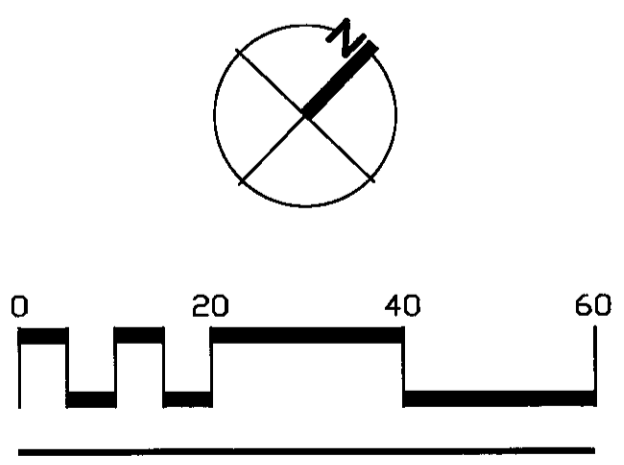
Revisions:

Project No.: **07002**

Scale: **1" = 20'**

Drawn: **CP**

Checked: **SD,CT**



DEMOLITION PLAN

L.201

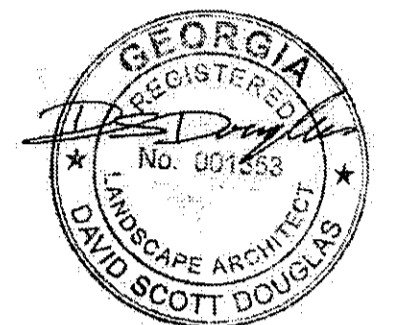
HALL COUNTY	CONSTRUCTION ELEMENT	SHEET NO.	TOTAL SHEETS
	TEE-0008-00(156)	4	13

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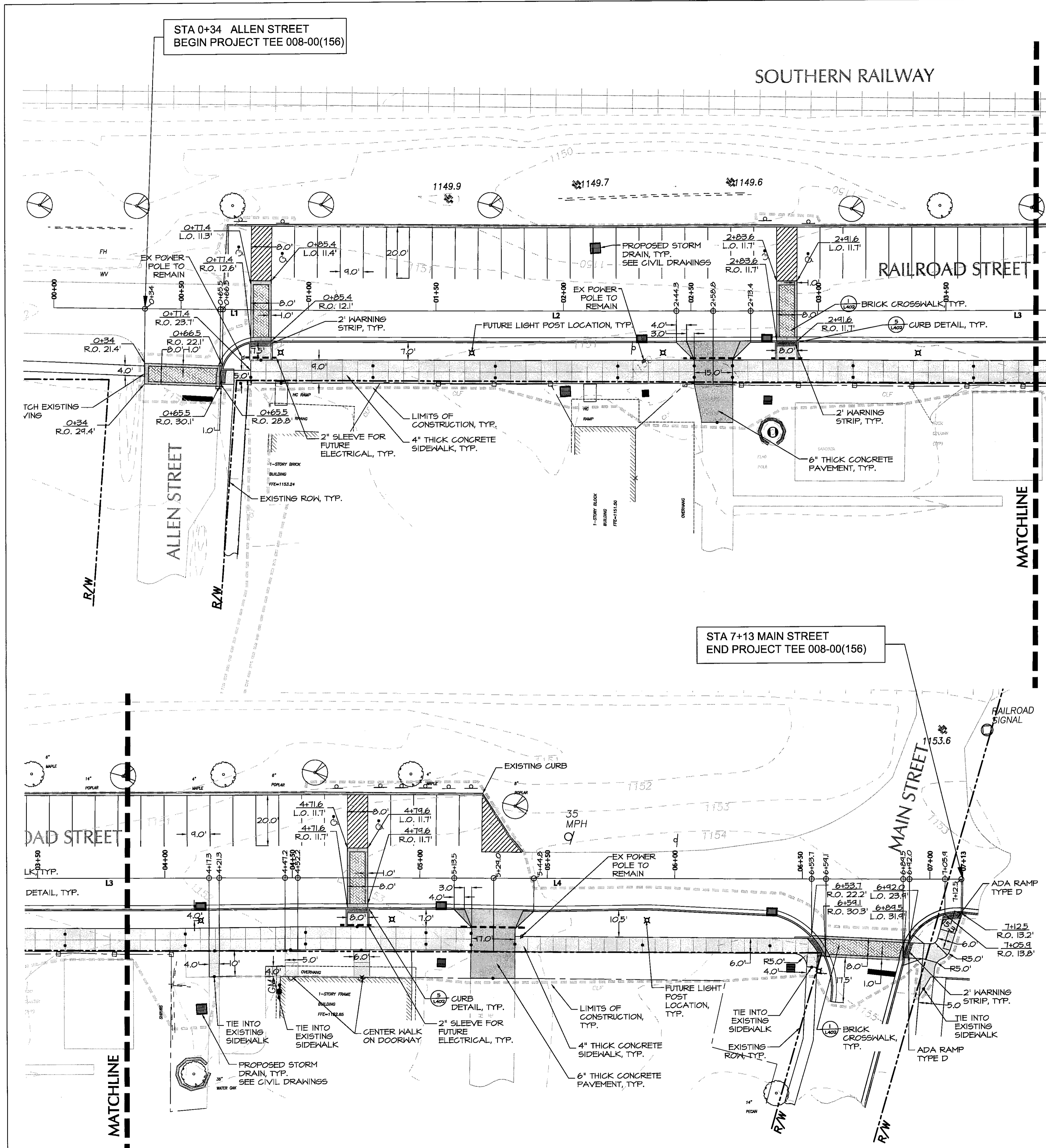


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RAILROAD STREET BEARINGS		
Line	Bearing	Length
L1	S 46-51-1 W	124.2413
L2	S 46-15-27 W	150.7214
L3	S 46-9-23 W	191.571
L4	S 46-24-29	219.4128



LEGEND

- 6" THICK CONCRETE PAVEMENT
- 4" THICK CONCRETE SIDEWALK
- CONTROL JOINT
- EXPANSION JOINT
- FUTURE STREETLIGHT
- R/W LINE
- LIMITS OF CONSTRUCTION
- 2" SLEEVE FOR FUTURE ELECTRICAL
- PROPOSED SIGN

LAYOUT NOTES

1. STAKE PROPOSED LAYOUT OF ALL FEATURES FOR APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION.
2. PROPOSED CURBS TO TIE INTO EXISTING CURBS.
3. DO NOT SCALE FROM PLANS.
4. EXPANSION JOINTS ARE TO BE LOCATED AT JUNCTURE OF ADJOINING STRUCTURES, OTHER PAVED AREAS, AND IMMOVABLE OBJECTS. THEY SHALL BE PROVIDED AT A MAXIMUM INTERVAL OF 50 FEET.
5. CONTROL JOINTS SHALL BE SPACED A MINIMUM OF 4 FEET AND A MAXIMUM OF 6 FEET.
6. ALL DIMENSIONS TO BACK OF CURB UNLESS OTHERWISE NOTED.
7. CONTRACTOR IS RESPONSIBLE FOR THE LOCATION AND IDENTIFICATION OF ALL UTILITIES.
8. COORDINATE ALL WORK WITHIN THE ROADWAY WITH THE GDOT. SUBMIT PLANS FOR TRAFFIC CONTROL AND LANE CLOSURE TWO WEEKS IN ADVANCE.
9. CONTRACTOR SHALL ADJUST UTILITY BOXES, METERS, AND VALVES TO PROPOSED GRADES.
10. PROTECT BUILDING FACADES DURING REMOVAL & REPLACEMENT OF SIDEWALK. SAWCUT EXISTING PAVEMENT AS NEEDED TO AVOID DAMAGE.
11. BOTTOM OF PROPOSED CURB SHALL MATCH EXISTING PAVEMENT ELEVATION UNLESS OTHERWISE NOTED. PROPOSED SIDEWALK SHALL MATCH EXISTING ELEVATION AT BUILDING FACE UNLESS OTHERWISE NOTED.
12. ALL CONSTRUCTION WORK LIMITED TO AREAS WITHIN THE DOT R.O.W. UNLESS OTHERWISE NOTED.
13. LIGHT POSTS ARE SHOWN FOR REFERENCE ONLY. THERE ARE NOT INCLUDED IN THIS CONTRACT.

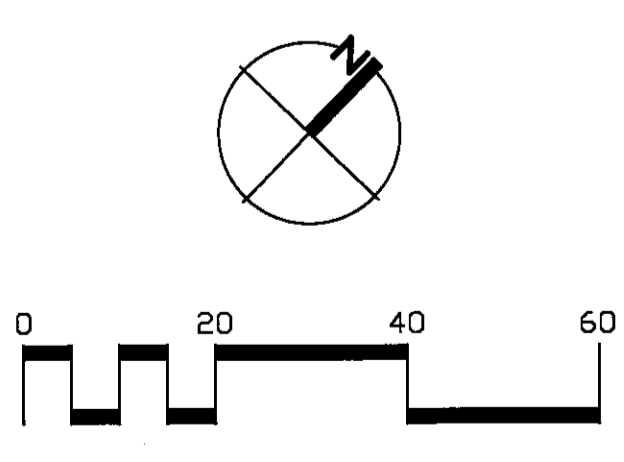
RAILROAD STREET CORRIDOR IMPROVEMENT PROJECT PHASE I
 TEE-0008-00(156); PI No. 0008156
 CITY OF OAKWOOD
 HALL COUNTY, GEORGIA

Date: **1.31.08**

Revisions:

Project No.: **07002**
Scale: **1" = 20'**

Drawn: **CP**
Checked: **SD,CT**



LAYOUT PLAN

L.301



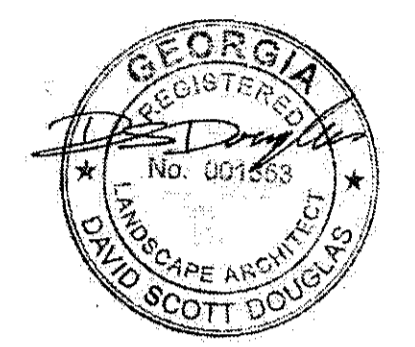
HALL COUNTY	CONSTRUCTION ELEMENT	SHEET NO.	TOTAL SHEETS
	TEE-0008-00(156)	5	13

RAILROAD STREET BEARINGS		
Line	Bearing	Length
L1	S 46-51-1 W	124.2413
L2	S 46-15-27 W	150.7214
L3	S 46-9-23 W	191.571
L4	S 46-24-29	219.4128



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770/534-0508 FAX: 770/534-0507

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- LEGEND**
- 6" THICK CONCRETE PAVEMENT
 - 4" THICK CONCRETE SIDEWALK
 - CONTROL JOINT
 - EXPANSION JOINT
 - PROPOSED TREE
 - PROPOSED SHRUBS
 - FUTURE STREETLIGHT
 - R/W LINE
 - LIMITS OF CONSTRUCTION
 - PROPOSED SIGN

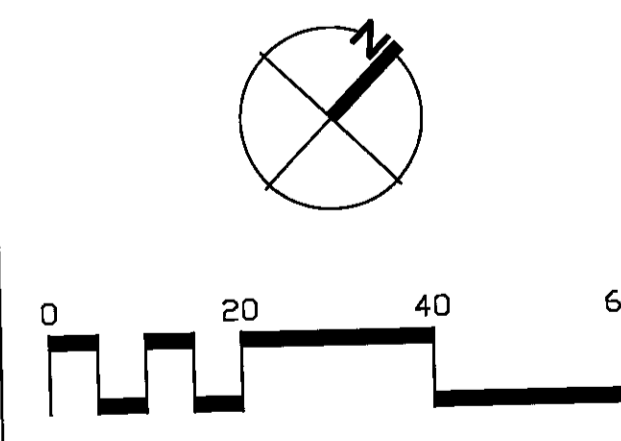
PLANTING NOTES:

1. UPLIMB TREES IN SIDEWALK ZONES TO MINIMUM 6' BRANCH HEIGHT TO PROVIDE ADEQUATE HEAD ROOM AND CLEAR SIGHT LINES TO & FROM OPPOSITE CORNERS AT INTERSECTIONS.
2. ALL PLANTING BEDS SHALL BE MULCHED TO A DEPTH OF 4".
3. STREET TREES TO BE A MINIMUM OF 2" CALIPER.
4. ALL PLANT MATERIAL TO BE WARRANTED FOR A PERIOD NO LESS THAN ONE YEAR.

Number	Code	Botanical Name	Common Name	Size	Container	Spacing
TREES						
7	AL	<i>Acer leucodeme</i>	Chalk Maple*	2" CAL	B&B	As Shown on Plans
6	CV	<i>Chionanthus virginicus</i>	Fringetree	15 GAL	cont.	As Shown on Plans
SHRUBS						
5	Cf	<i>Calycanthus floridus</i>	Sweetshrub	3 GAL	cont.	As Shown on Plans
62	lg	<i>Ilex glabra</i>	Inkberry	3 GAL	cont.	As Shown on Plans
32	lv	<i>Itea virginica</i>	Virginia Sweetspire	3 GAL	cont.	As Shown on Plans
25	Rc	<i>Rosa carolina</i>	Rose, Carolina	3 GAL	cont.	As Shown on Plans
40	Sn	<i>Sorghastrum nutans</i>	Indian grass	4" POT	cont.	As Shown on Plans
70	Vd	<i>Vaccinium darwini</i>	Blueberry, Evergreen	3 GAL	cont.	As Shown on Plans

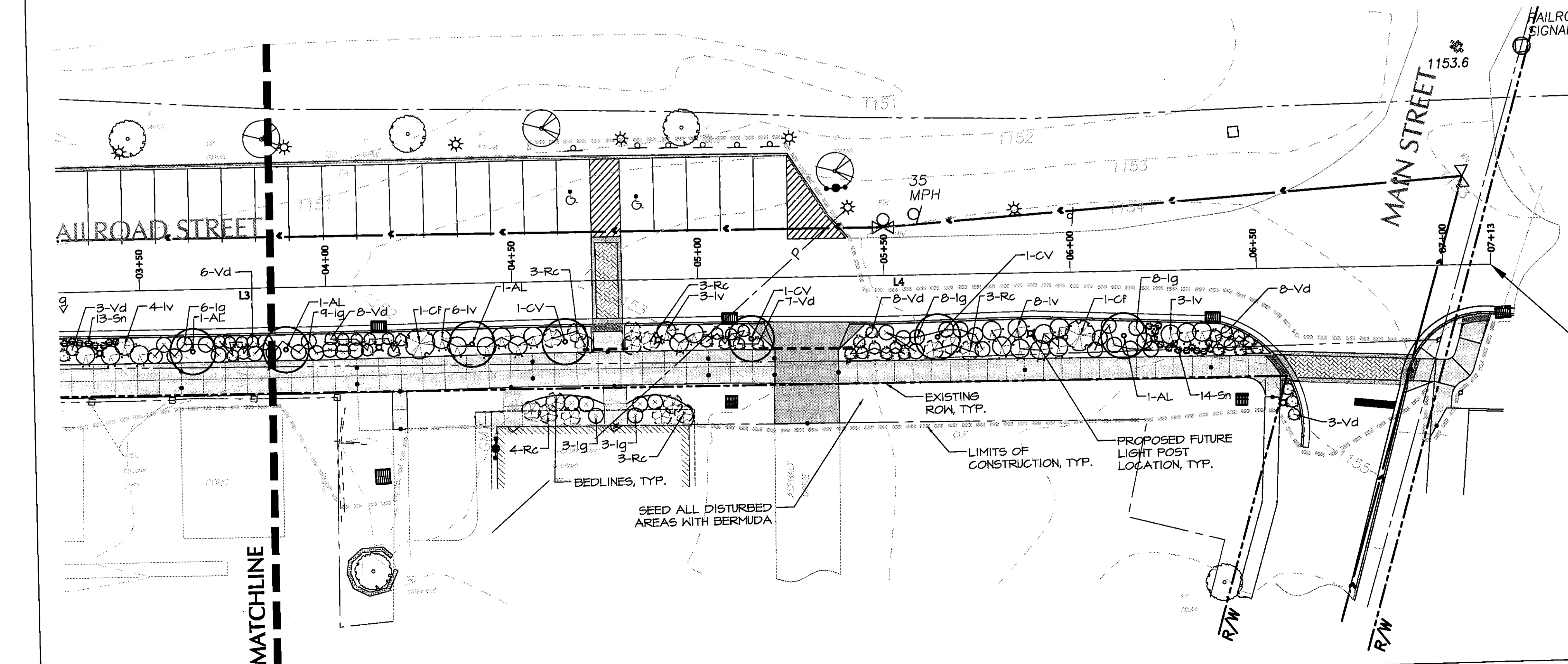
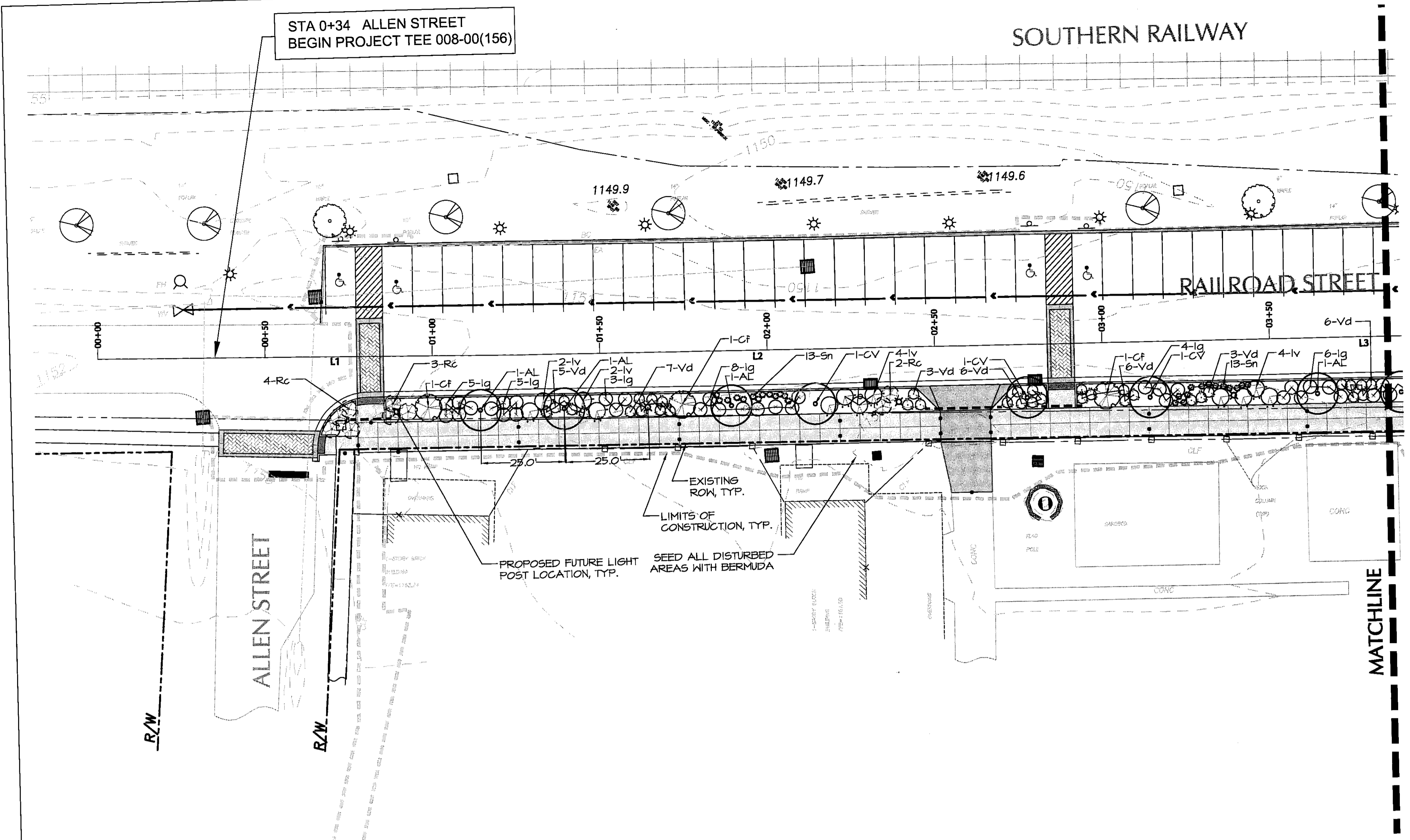
* IF CHALK MAPLE CANNOT BE FOUND SOUTHERN SUGAR MAPLE MAY BE SUBSTITUTED.

Date: **1.31.08**
Revisions: _____
Project No.: **07002**
Scale: **1" = 20'**
Drawn: **CP**
Checked: **SD,CT**



PLANTING PLAN

L.401



STA 7+13 MAIN STREET
END PROJECT TEE 008-00(156)

STA 0+34 ALLEN STREET
BEGIN PROJECT TEE 008-00(156)

HALL COUNTY	CONSTRUCTION ELEMENT	SHEET NO.	TOTAL SHEETS
	TEE-0008-00(156)	6	13

SEE GDOT STANDARD DETAILS FOR SIDEWALK AND WHEELCHAIR RAMPS, CURB AND GUTTER, DRIVEWAY APRONS, AND STRIPING

GO TO <http://tcmca2.dot.state.ga.us/tda/tda1/> TO DOWNLOAD THE CURRENT EDITION OF THESE GDOT DETAILS:

GDOT STANDARD DETAIL		
NUMBER	NAME	DATE REVISED
A1	DRIVEWAYS WITH TAPERED ENTRANCES, CONCRETE VALLEY GUTTERS	APRIL 11, 2002
A3	CONCRETE SIDEWALK DETAILS, CURB CUT (WHEELCHAIR) RAMPS	MAY 2006
A4	DETECTABLE WARNING SURFACE, TRUNCATED DOME SIZE, SPACING AND ALIGNMENT REQUIREMENTS	MAY 2006
T14	DETAILS OF PAVEMENT MARKING HATCHING	JAN. 2000
1019A	STANDARD PRECAST DROP INLETS	AUG. 1999
9032B	CONCRETE CURB AND GUTTER, CONCRETE CURBS, CONCRETE MEDIANS	MARCH 2003
T-11A	DETAILS OF PAVEMENT MARKING PLACEMENT NON-LIMITED ACCESS ROADWAY	JAN. 2000
T-18	DETAILS OF HANDICAPPED PAVEMENT MARKINGS	JAN. 2000



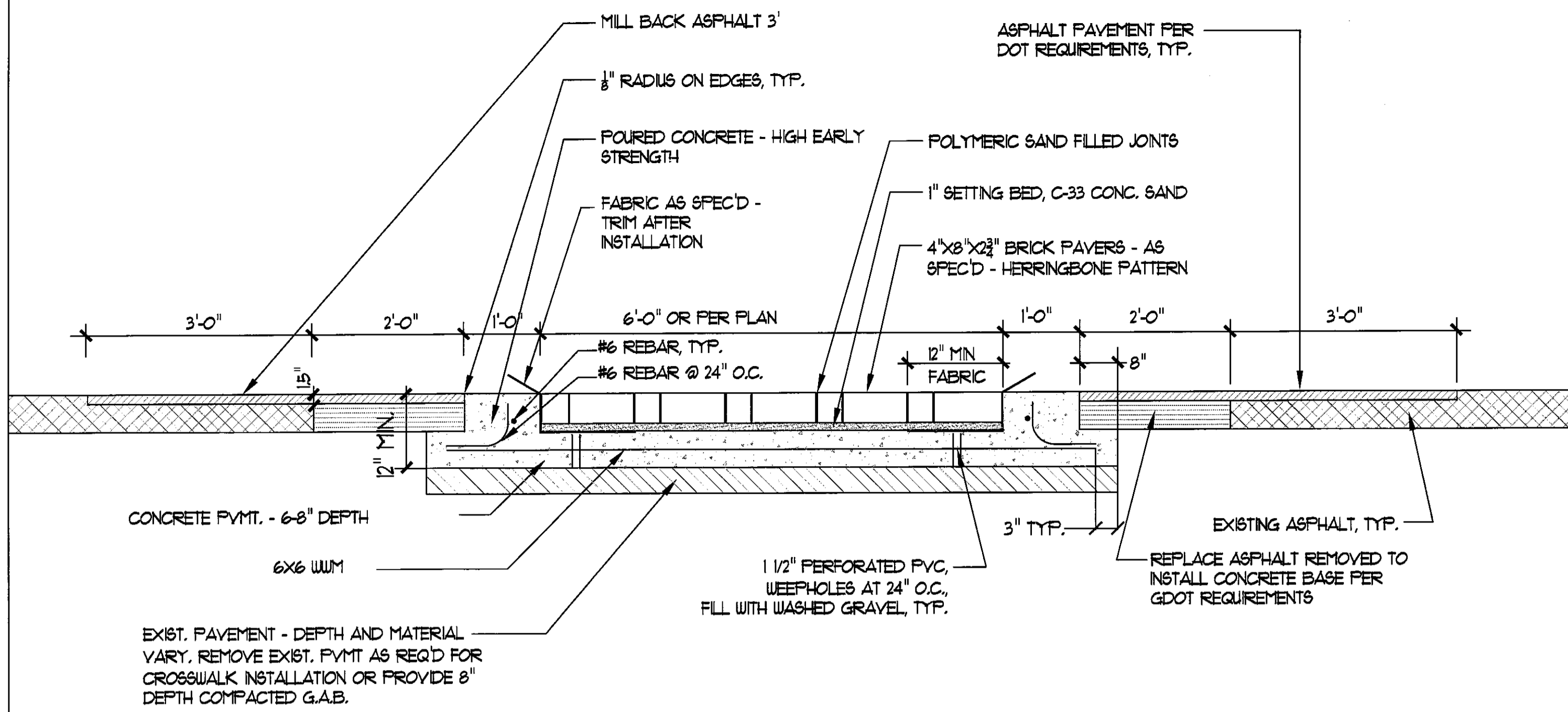
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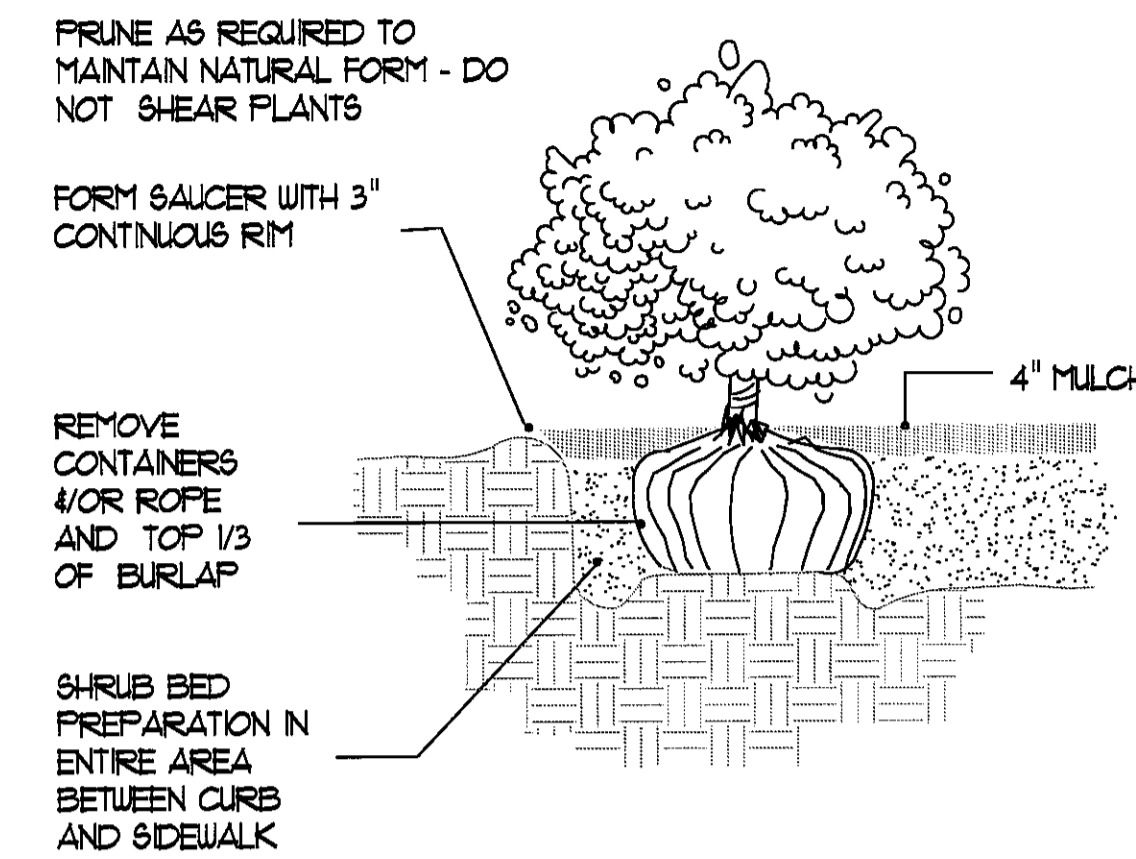


RAILROAD STREET CORRIDOR IMPROVEMENT PROJECT PHASE I
TEE-0008-00(156); PI No. 0008156
CITY OF OAKWOOD
HALL COUNTY, GEORGIA

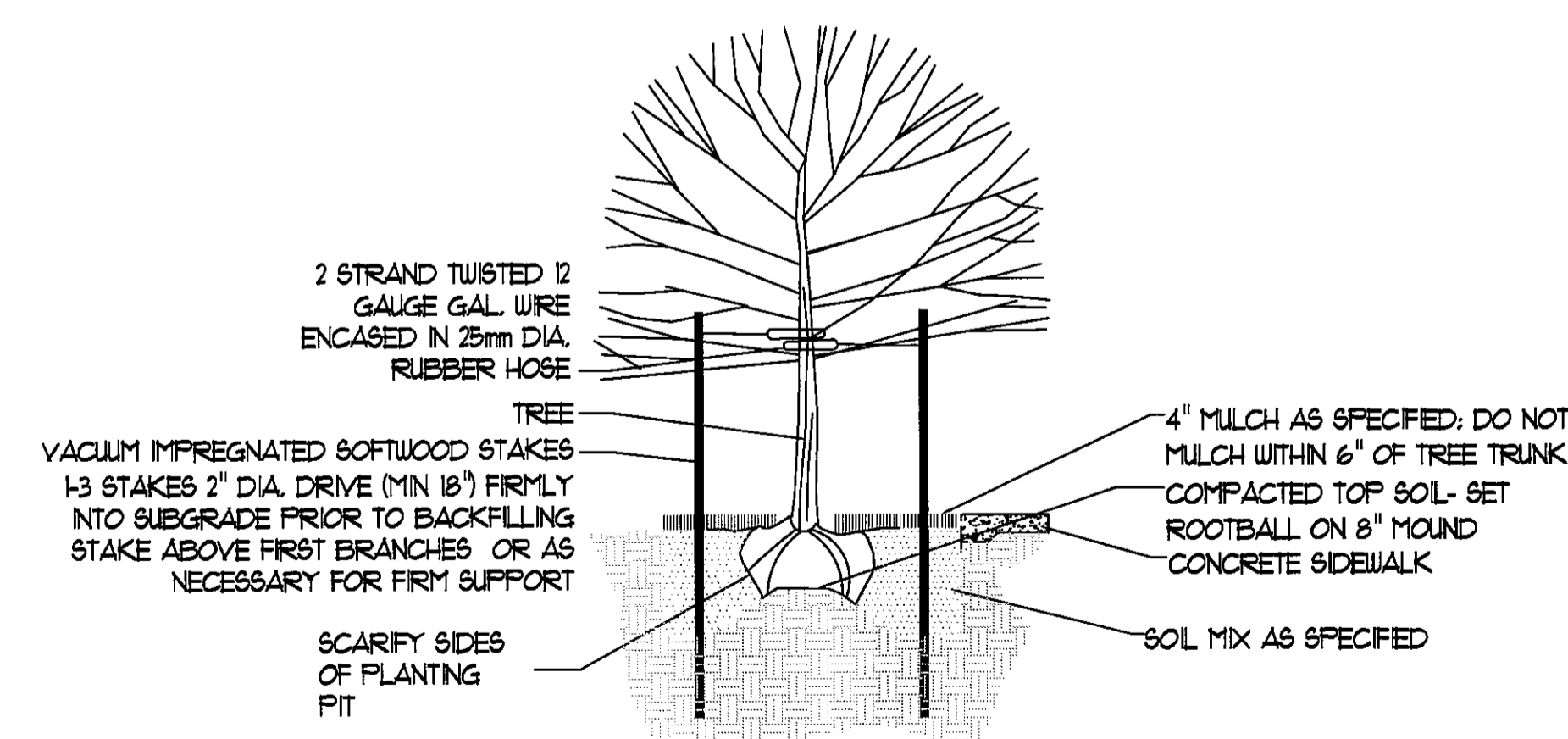
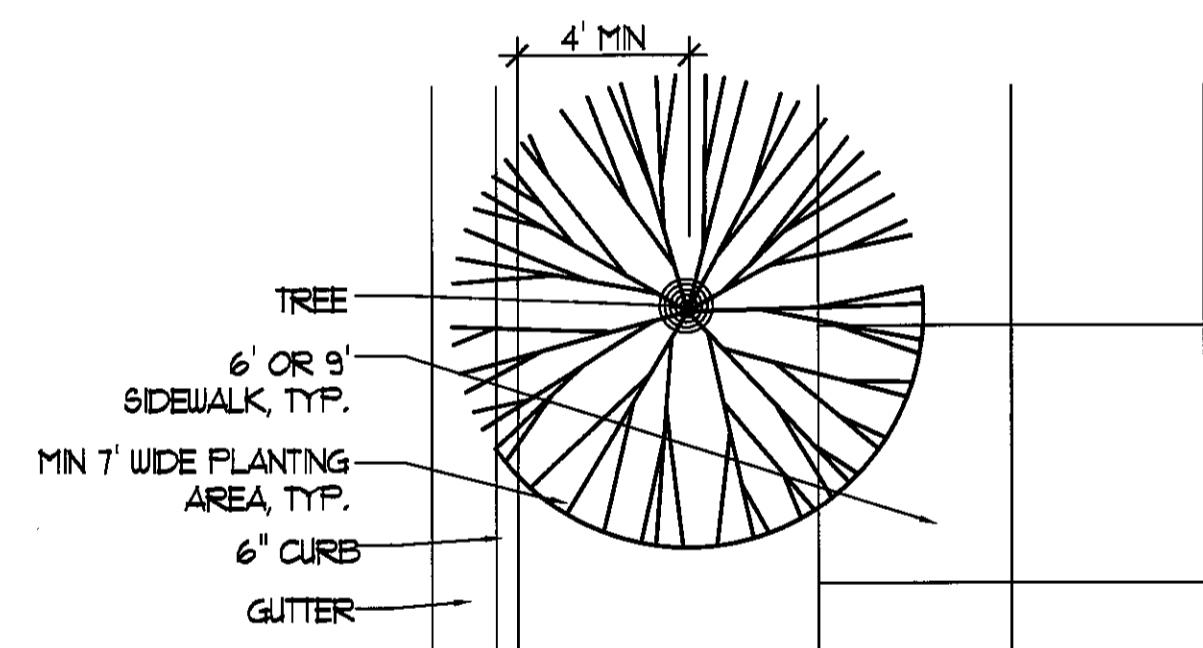
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Revisions: _____
Project No.: 07002
Scale: _____
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Checked: SD,CT



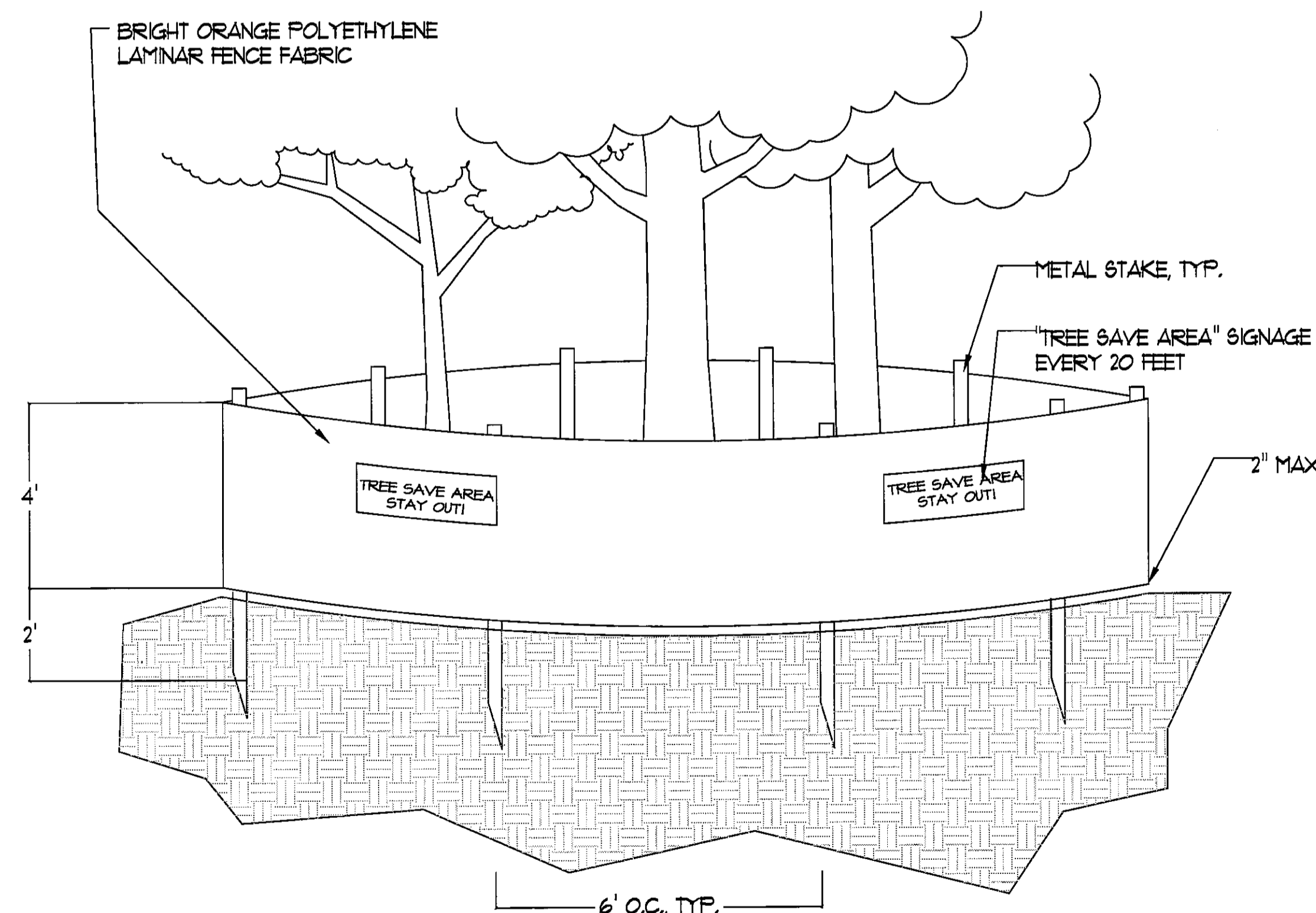
01 BRICK CROSSWALK DETAIL
L 402 SCALE: 3/4" = 1"



03 SHRUB PLANTING DETAIL
L 402 SCALE: NOT TO SCALE

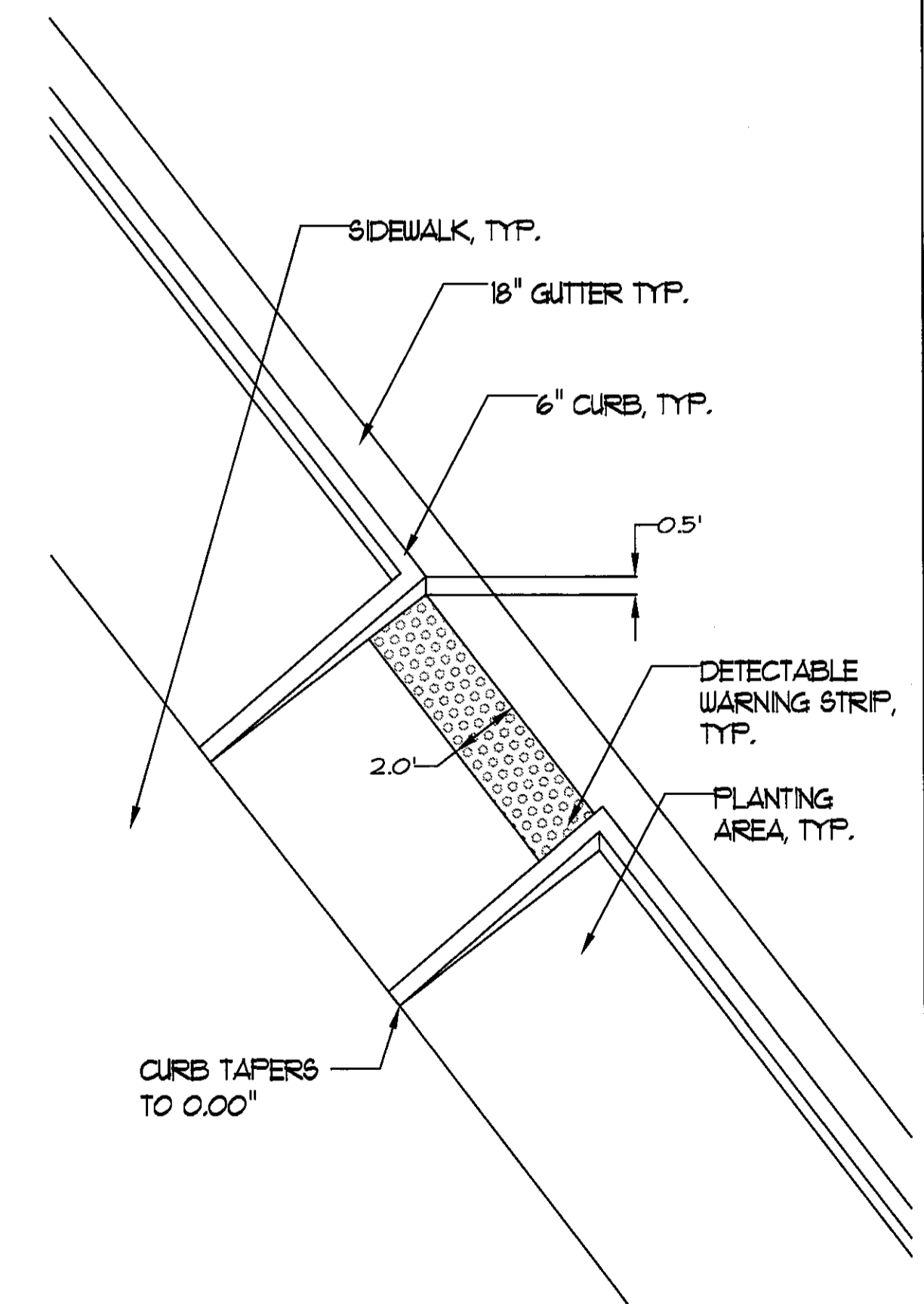


02 TREE PLANTING DETAIL
L 402 SCALE: NOT TO SCALE



ALL TREE PROTECTION FENCE MUST BE ACCOMPANIED BY "KEEP OUT" OR "TREE SAVE" SIGNAGE.

04 TREE PROTECTION FENCE DETAIL
L 402 SCALE: NOT TO SCALE



05 CURB DETAIL
L 402 SCALE: NOT TO SCALE

HALL COUNTY	CONSTRUCTION ELEMENT	SHEET NO.	TOTAL SHEETS
	TEE-0008-00(156)	7	13

RAILROAD STREET BEARINGS		
Line	Bearing	Length
L1	S 46-51-1 W	124.2413
L2	S 46-15-27 W	150.7214
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RAILROAD STREET CORRIDOR IMPROVEMENT PROJECT PHASE I
TEE-0008-00(156); PI No. 0008156

CITY OF OAKWOOD
HALL COUNTY, GEORGIA

Date: 1.31.08

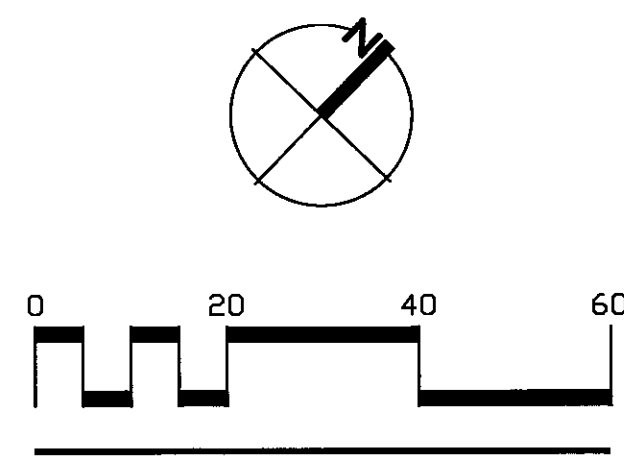
Revisions: _____

Project No.: 07002

Scale: 1" = 20'

Drawn: CP

Checked: SD,CT



SIGNING AND MARKING PLAN

L.501

SOUTHERN RAILWAY

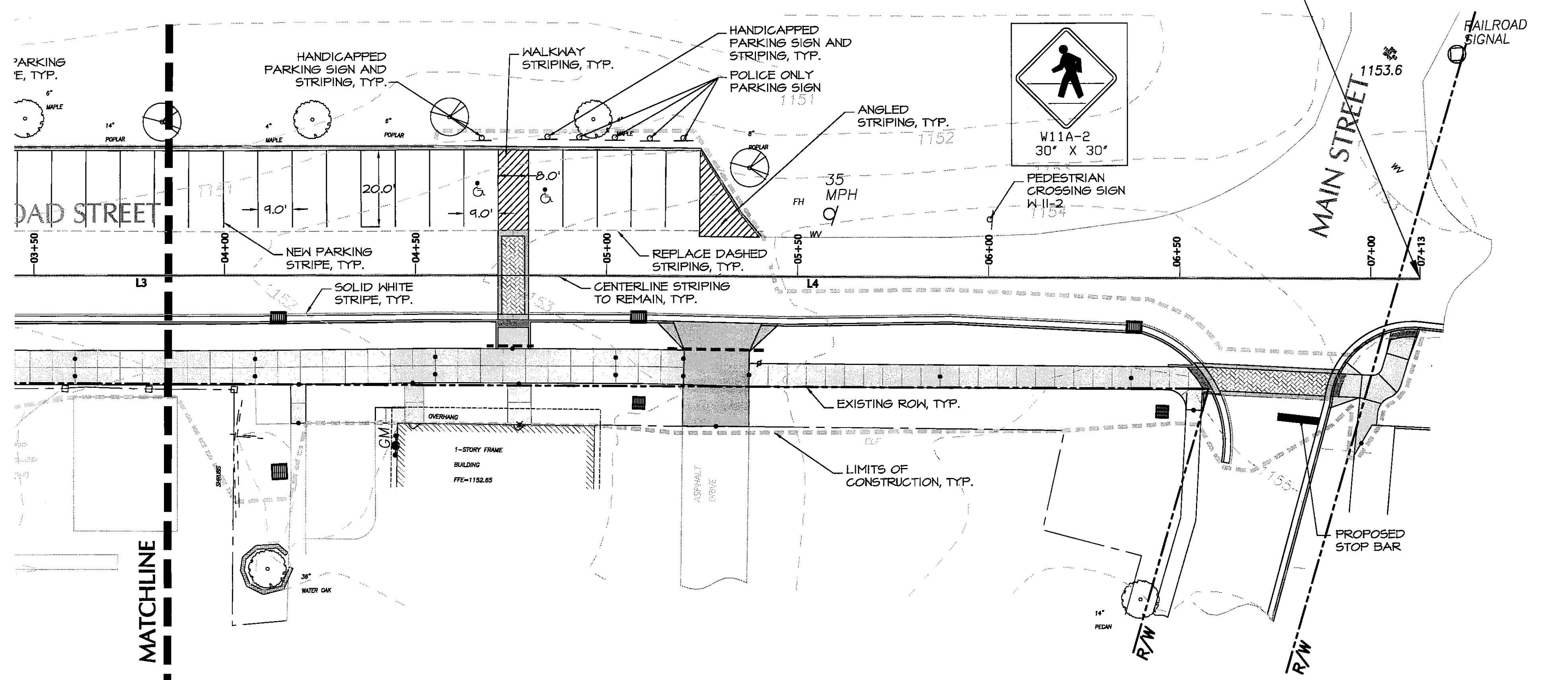
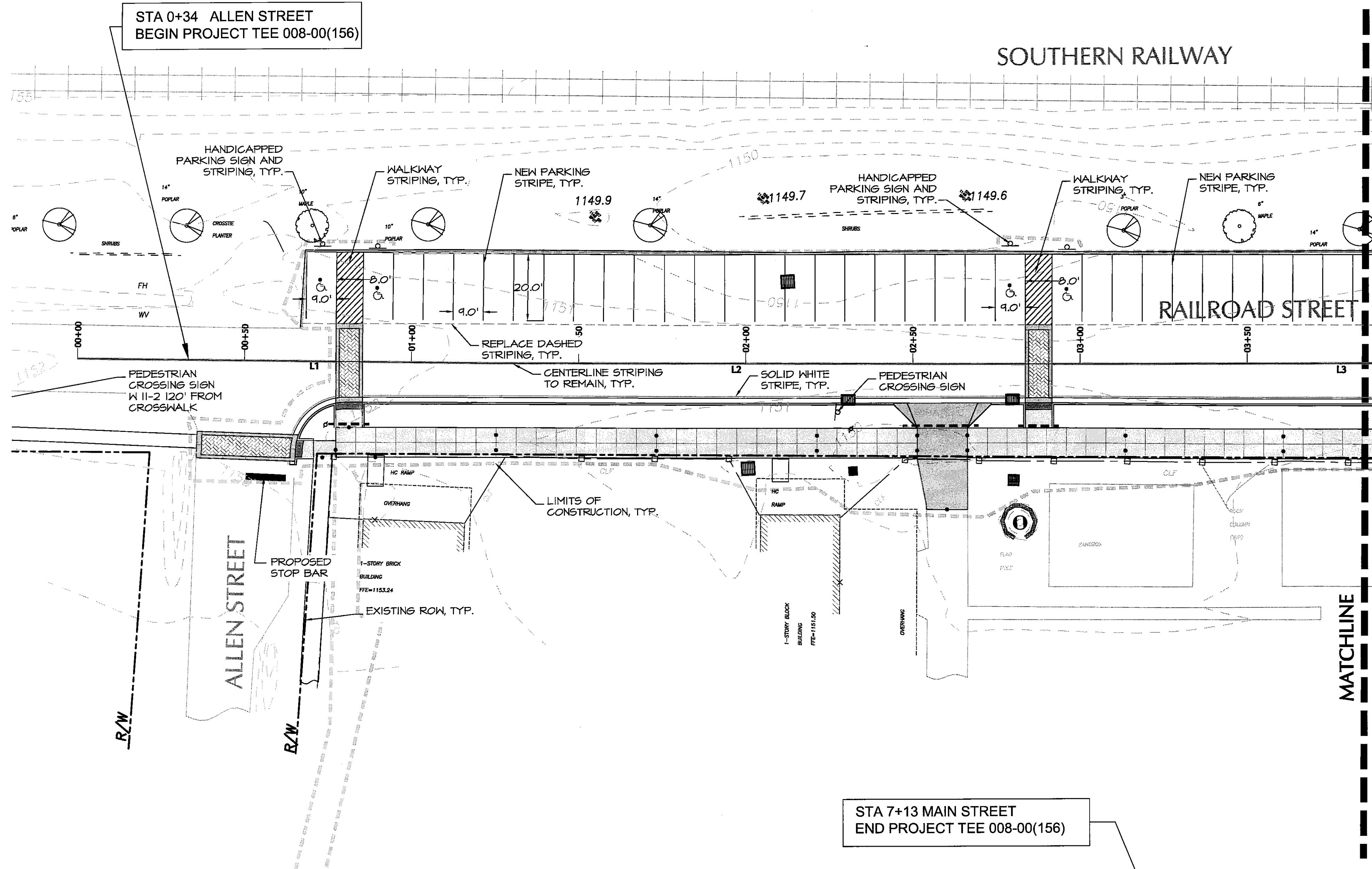
RAILROAD STREET

STA 0+34 ALLEN STREET
BEGIN PROJECT TEE 008-00(156)

STA 7+13 MAIN STREET
END PROJECT TEE 008-00(156)

- LEGEND**
- 6" THICK CONCRETE PAVEMENT
 - 4" THICK CONCRETE SIDEWALK
 - R/W LINE
 - LIMITS OF CONSTRUCTION
 - NEW SIGN

SEE SHEET L-402 FOR STRIPING DETAILS.



UTILITIES PROTECTION CENTER OF GEORGIA
1-800-282-7411
IN METRO-ATLANTA AREA PLEASE CALL: 623-4344

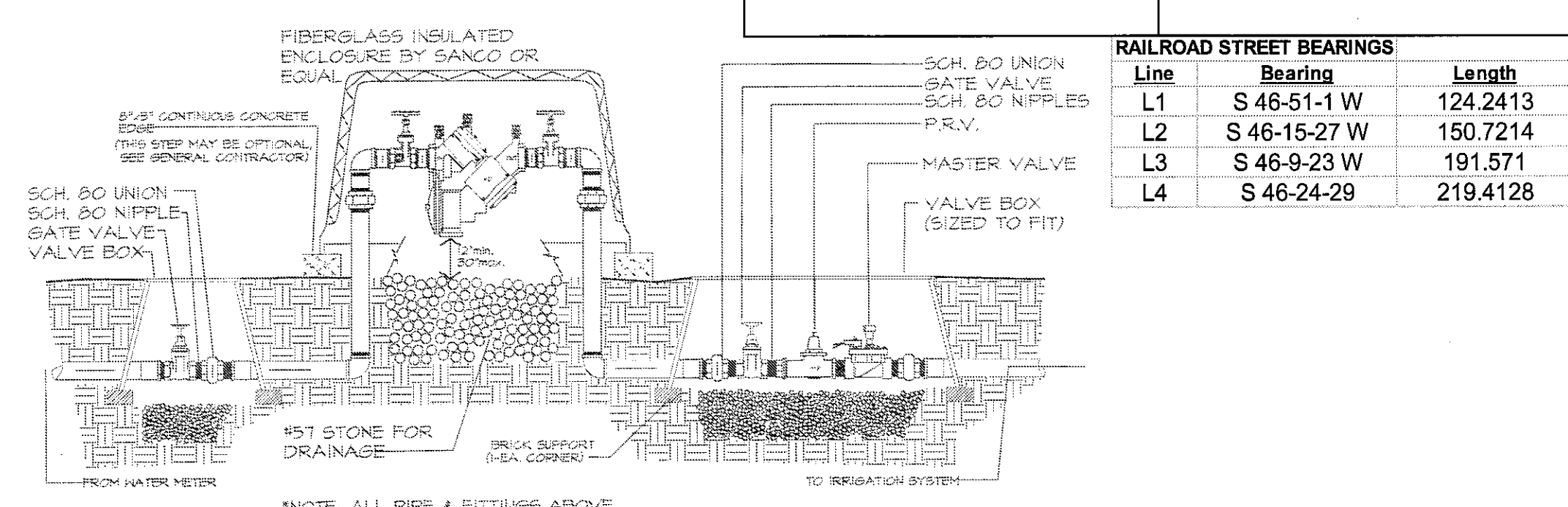
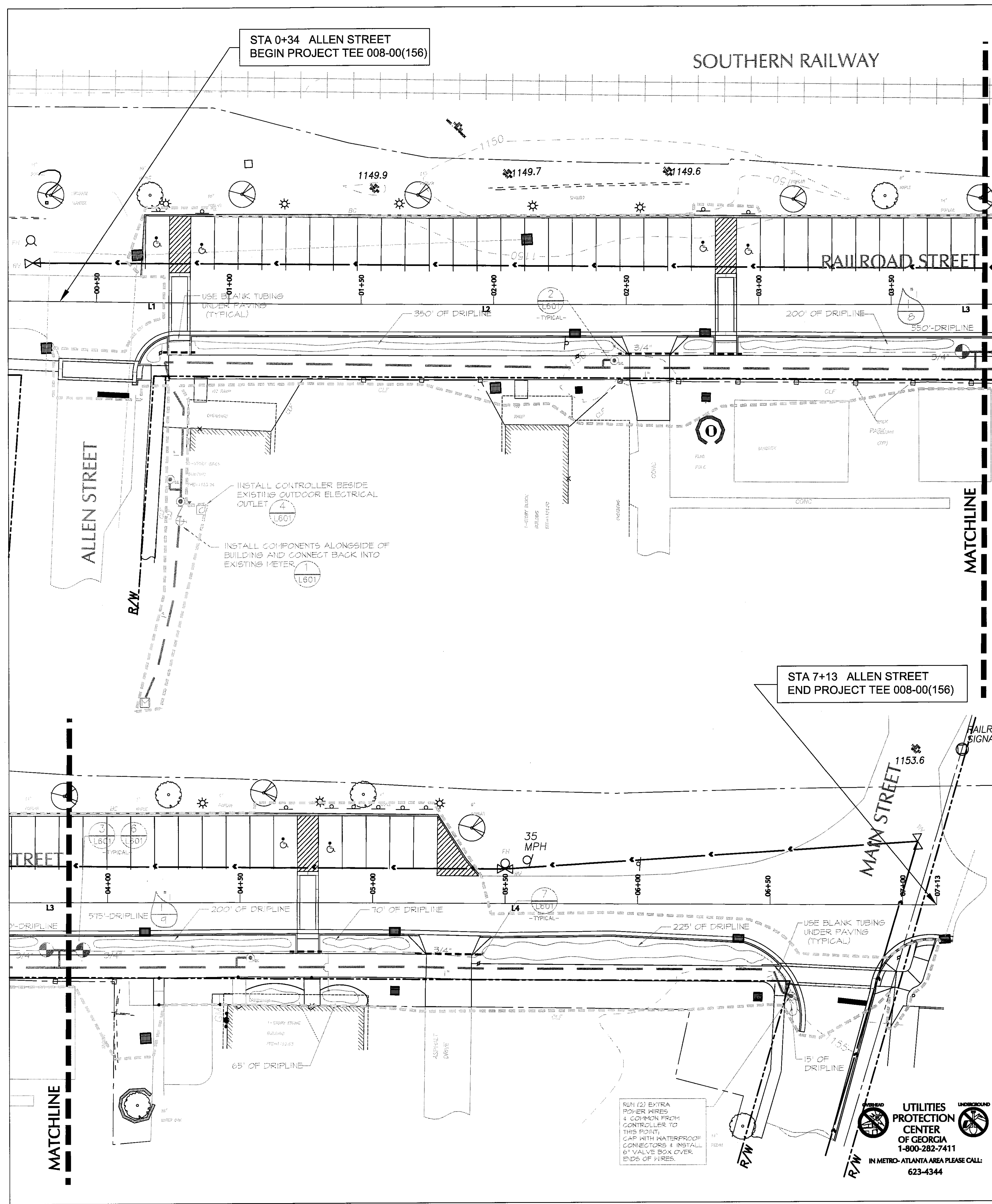
HALL COUNTY	CONSTRUCTION ELEMENT	SHEET NO.	TOTAL SHEETS
	TEE-0008-00(156)	8	13

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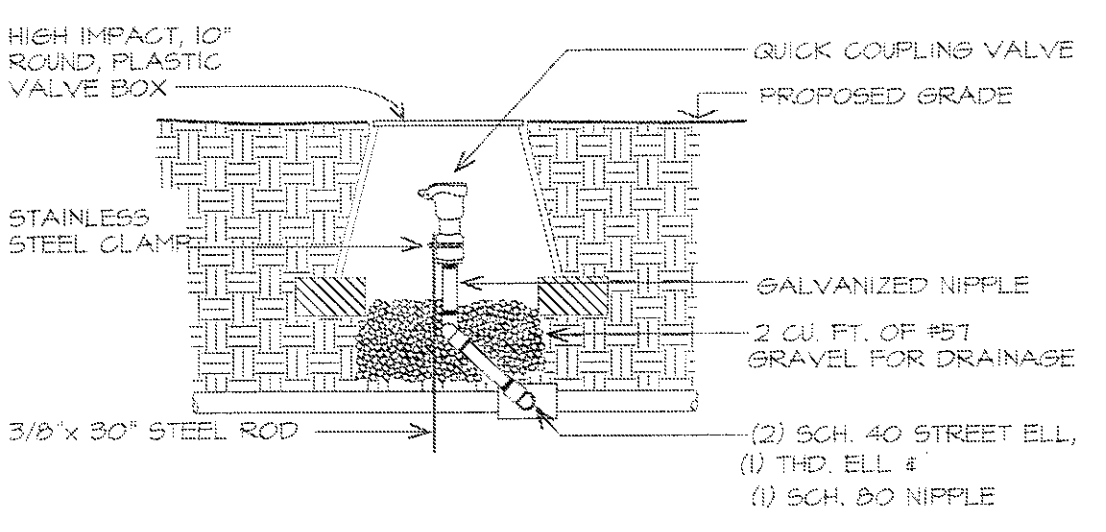
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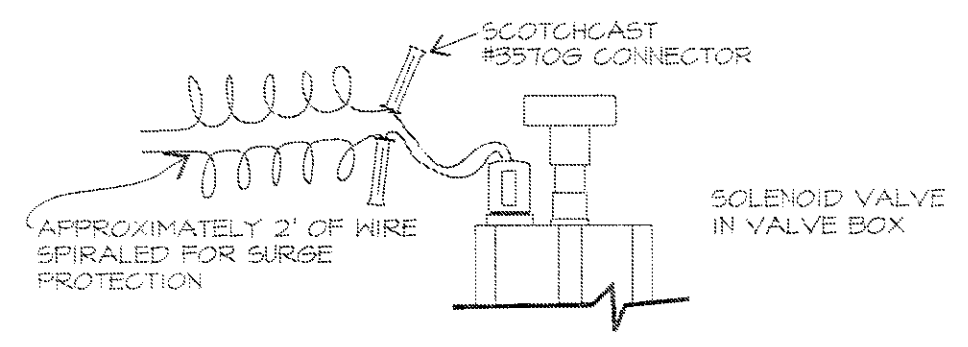
Line	Bearing	Length
L1	S 46-51-1 W	124.2413
L2	S 46-15-27 W	150.7214
L3	S 46-9-23 W	191.571
L4	S 46-24-29	219.4128

1 MAINLINE TAP-REDUCED PRESSURE BACKFLOW

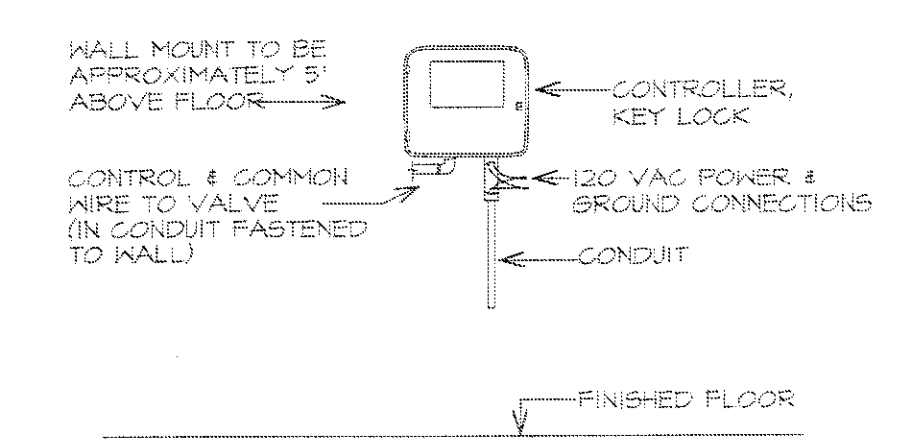
NOTE: Provide for draining backflow between two gate valves or remove during freezing season.



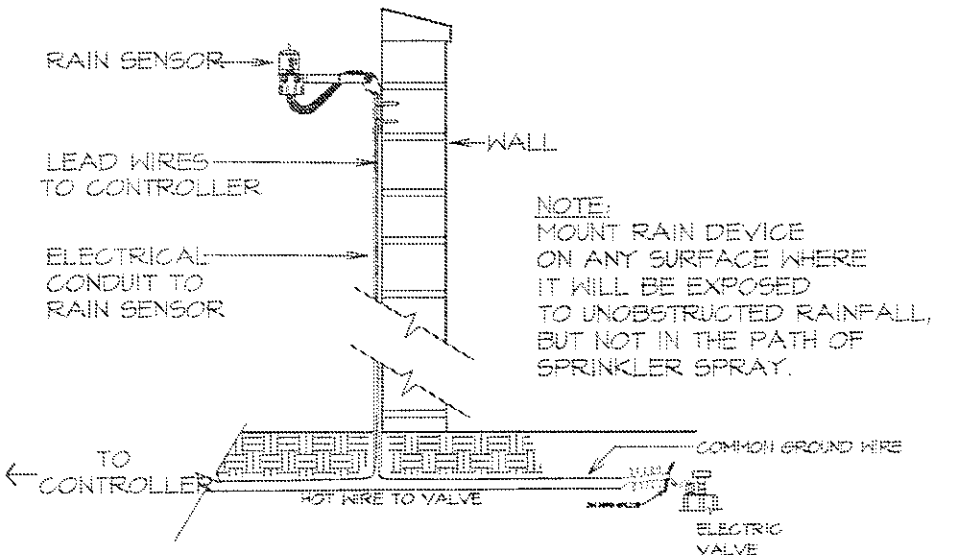
2 QUICK COUPLING VALVE



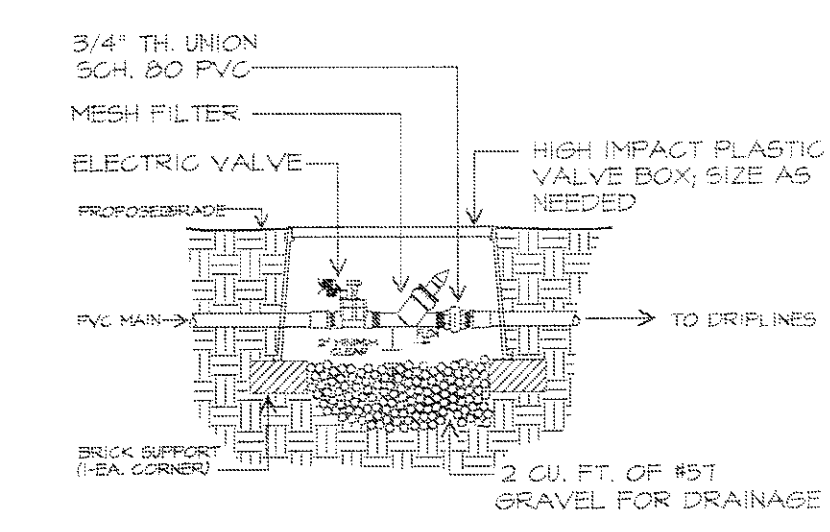
3 WIRE SPLICE AT VALVE



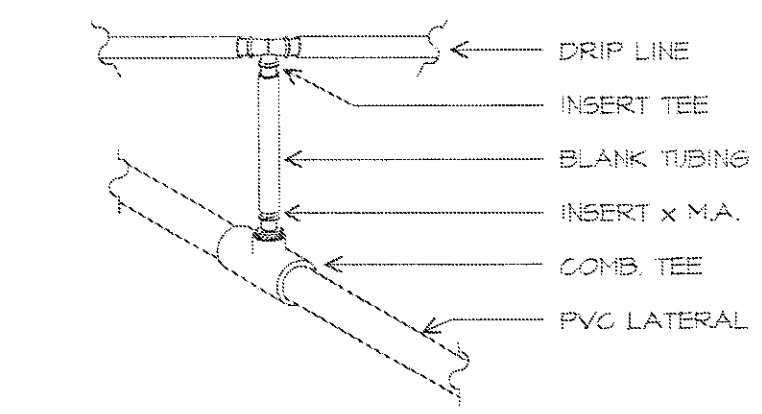
4 WALL MOUNT CONTROLLER



5 RAIN SHUT-OFF DEVICE



6 DRIP VALVE ASSEMBLY



7 DRIP TO LATERAL CONNECTION

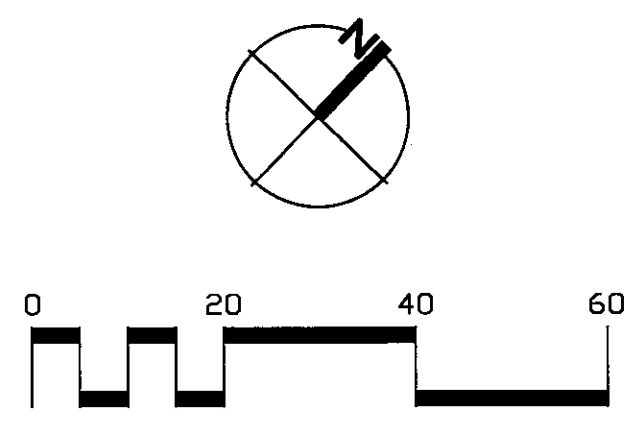
- NOTES:
- ALL DRIP LINES TO BE TORO COMPANY OR RAINEBIRD XP SERIES. 1/8" @ 12" O.D. OR APPROVED EQUAL. LAYOUT DRIP LINES TO INSURE AN EMITTER APPROXIMATELY EVERY SQUARE FOOT, FASTEN IN PLACE WITH 80D STAPLES AND MULCH OVER.
 - VALVES TO BE RB P8A SERIES, DRIP VALVES TO BE CONNECTED TO RB PRP-100-BPF FILTER.
 - CONTROLLER TO BE RS BSP-4M, LOCATED AS SHOWN ON PLANS.
 - ALL PIPE TO BE PVC, SOLVENT WELD, CLASS 200, 1" FOR MAINLINE, 3/4" FOR LATERALS, MINIMUM DEPTH FOR MAINLINE = 18", MINIMUM FOR LATERALS = 12". EXCEPT FOR OBVIOUS CROSSINGS, PIPE SHOWN IN PAVEMENT FOR GRAPHIC CLARITY ONLY. ALL PIPE LOCATED UNDER PAVING TO BE ENCLOSED IN PVC SLEEVE AT LEAST TWO NOMINAL SIZES LARGER THAN WATER LINE.
 - SYSTEM IS DESIGNED FOR 12 GPM @ 50 PSI. IF THESE MINIMUMS ARE NOT MET, NOTIFY LANDSCAPE ARCHITECT BEFORE WORK COMMENCES.

IRRIGATION MATERIAL LIST

KEY	QUANTITY	ITEM / DESCRIPTION	REMARKS
1	1025'	DRIP LINE - 1/8" I.D. LINE, PG EMITTERS @ 12" O.C.	
2	1	PROPAGATION PREVENTER - 1/2" - 3/4"	
3	3	ELECTRIC SOLENOID VALVE - RB P8A SERIES	IN 6" VALVE BOX
4	4	QUICK COUPLING VALVE - 3/4" BRASS	IN 6" VALVE BOX
5	1	CONTROLLER - RB BSP-4M	
6	1	PROPAGATION PREVENTER - 1/2" - 3/4"	
7	1	BACKFLOW PREVENTER - 1/2" - 3/4"	
8	2	GATE VALVE - SIZED TO LINE	
9	2	WATER METER - 3/4"	
10	100'	PVC MAINLINE - 1"	CLASS 200 - SOLVENT WELD DRINKING
11	300'	PVC LATERAL - 3/4"	CLASS 200 - SOLVENT WELD DRINKING

RAILROAD STREET CORRIDOR
 IMPROVEMENT PROJECT
 PHASE I
 TEE-0008-00(156); PI No. 0008156
 CITY OF OAKWOOD
 HALL COUNTY, GEORGIA

Date: 1.31.08
 Revisions:
 Project No.: 07002
 Scale: 1" = 20'
 Drawn: CP
 Checked: SD, CT



IRRIGATION PLAN
 L.601

HALL COUNTY	CONSTRUCTION ELEMENT	SHEET NO.	TOTAL SHEETS
	TEE-0008-00(156)	9	13

RAILROAD STREET BEARINGS		
Line	Bearing	Length
L1	S 46-51-1 W	124.2413
L2	S 46-15-27 W	150.7214
L3	S 46-9-23 W	191.571
L4	S 46-24-29	219.4128

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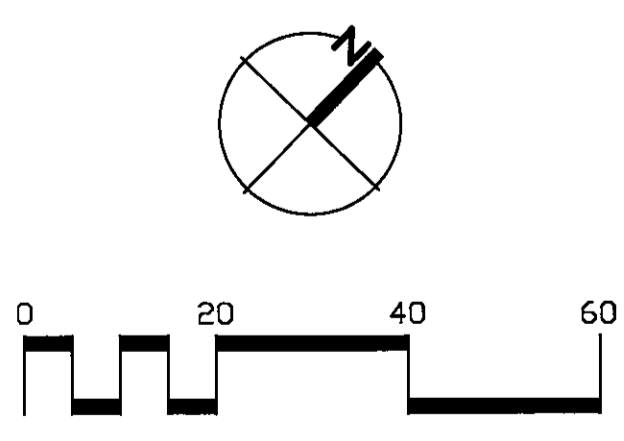
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RAILROAD STREET CORRIDOR
IMPROVEMENT PROJECT
PHASE I
TEE-0008-00(156); PI No. 0008156

CITY OF OAKWOOD
HALL COUNTY, GEORGIA

Date: 1.31.08
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Checked: SD,CT



EROSION & SEDIMENT CONTROL PLAN

EC.101

UTILITIES PROTECTION CENTER OF GEORGIA
1-800-282-7411
IN METRO-ATLANTA AREA PLEASE CALL: 623-4344

- LEGEND**
- 6" THICK CONCRETE PAVEMENT
 - 4" THICK CONCRETE SIDEWALK
 - CONTROL JOINT
 - EXPANSION JOINT
 - R/W LINE
 - LIMITS OF CONSTRUCTION
 - PROPOSED SIGN
 - EXISTING CONTOUR
 - PROPOSED CONTOUR

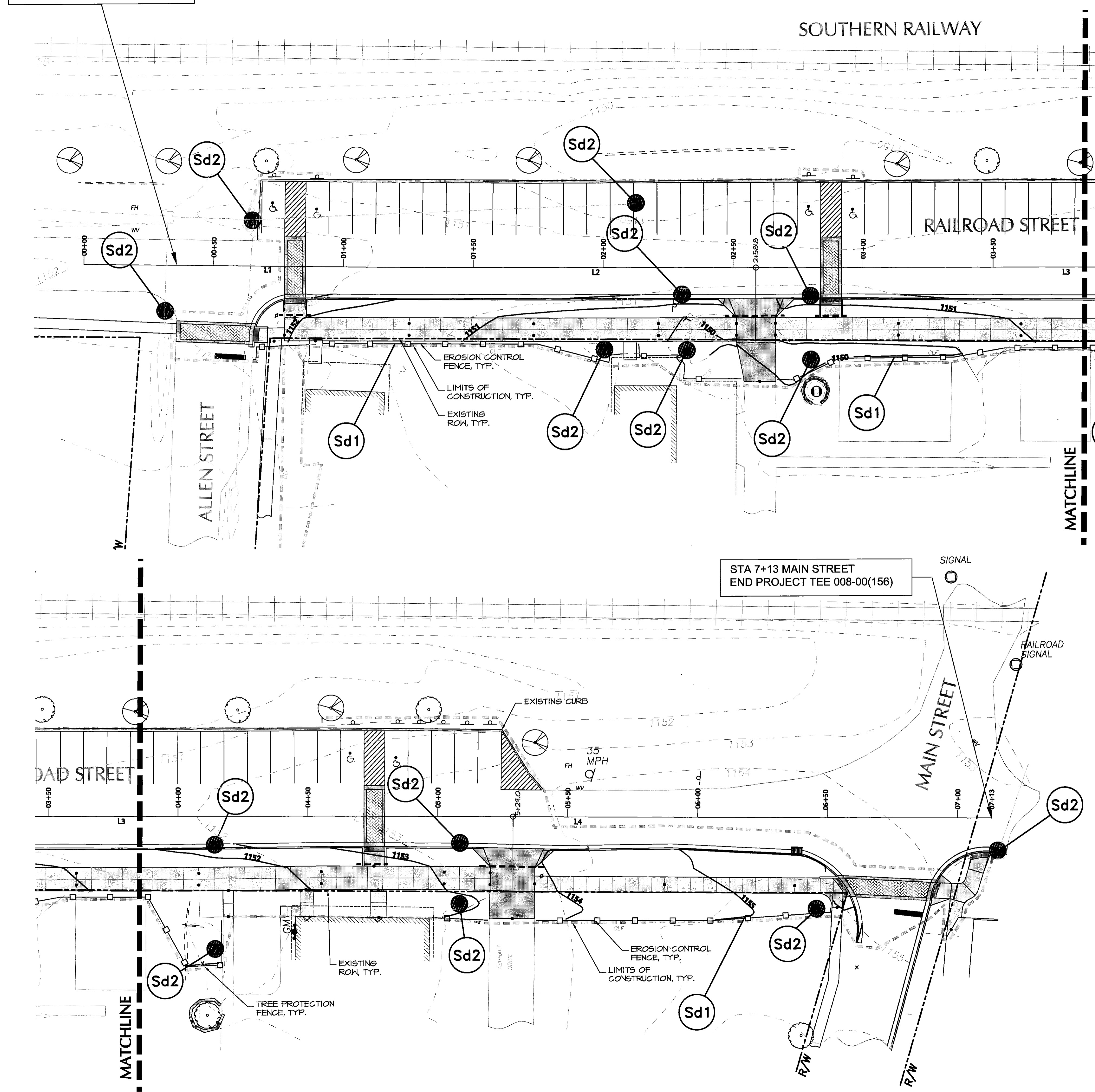
EROSION AND SEDIMENT CONTROL LEGEND

CODE	PRACTICE	DETAILS	MAP SYMBOL	DESCRIPTION
Sd1	SEDIMENT BARRIER			A barrier to prevent sediment from leaving the construction site. It may be sandbags, bales of straw or hay, brush, logs and poles, gravel, or a sediment fence. The barriers are usually temporary and inexpensive.
Sd2	INLET SEDIMENT TRAP			Curb Inlet Filter: Install filter after asphalt pavement installation. Wrap 8" concrete blocks in filter fabric and span across catch basin inlet. Face openings in blocks outward. Leave a gap of approximately 4 inches between the curb and the filters to allow for overflow to prevent hazardous ponding. Install outlet protection below storm drain outlets.
Sd2	INLET SEDIMENT TRAP			
	TREE PROTECTION BARRIER			

RESEED ALL DISTURBED AREAS WITH BERMUDA GRASS (CYNODON DACTYLON) UNLESS OTHERWISE INDICATED

STA 0+34 ALLEN STREET
BEGIN PROJECT TEE 008-00(156)

STA 7+13 MAIN STREET
END PROJECT TEE 008-00(156)



ESPCP GENERAL NOTES:

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 to control or treat the sediment source.

TEMPORARY MULCHING

EPD General Permit GAR 100002 requires "Any disturbed area left exposed for a period greater than 14 days shall be stabilized with mulch or temporary seeding." - The Department typically requires disturbed areas to be stabilized every 7 days. The construction documents, special provisions, or Specifications may require mulching more often than 7 days.

VEGETATION AND PLANTING SCHEDULE

All temporary and permanent vegetative practices including plant species, planting dates, seeding fertilizer, lime and mulching rates for this project can be found in section 700 of the current edition of the Department's specifications and other applicable contract documents, special provisions, or landscaping plans.

SEQUENCE OF MAJOR ACTIVITIES

The Contractor is responsible for developing the construction schedule for the project. The construction schedule for this project shall be submitted with the NOI. A copy of the construction schedule shall be maintained at the project site.

PLAN ALTERATIONS

The Erosion Sedimentation and Pollution Control Plan (ESPCP) is provided by the Department. If the Contractor elects to alter the stage construction from that shown in the plans, and the Engineer approves the request, it will be the responsibility of the contractor to revise the ESPCP to reflect all changes in stage construction. This will also include any revisions to erosion and sedimentation control item quantities.

Major modification or deletion of structural BMP's that are specified in the ESPCP will require a formal revision of the ESPCP and the signature of a GSWCC level-II-certified design professional. Additional BMP's may be added as directed by the Engineer.

PETROLEUM STORAGE, SPILLS AND LEAKS

The plans provided herein do not anticipate the storage of petroleum products onsite. The contractor shall at a minimum provide and be able to produce the necessary provisions for the capture and disposal of any petroleum product leaks or spills associated with the servicing, refueling or operation of any equipment utilized in the work.

If the storage of petroleum products onsite is desired by the contractor the following is required; ESPCP Addendum prepared by a licensed design professional as required by GAR100002 for inclusion with these plans.

The contractor's attention is specifically directed to Standard Specification 107-Legal Regulations and Responsibility to the public for additional requirements.

SOIL SERIES INFORMATION

A project specific soil survey was performed for this project. The NRCS soil survey and soil series maps for the project area are available on the internet at: <http://websoilssurvey.nrcs.usda.gov/app>.

POST-CONSTRUCTION BMP'S

All permanent, post-construction BMP's are shown in the construction plans and in the ESPCP plan. The post-construction BMP's for this project may consist of permanent vegetation, permanent slope drains and/or flumes, rip-rap at pipe outlets for velocity dissipation and outlet stabilization, vegetated swales/ditches where practical, channel/ditch stabilization with Turf Reinforcing Mats, rip-rap and concrete ditch lining where necessary. The post-construction BMP's will provide permanent stabilization of the site and prevent accelerated transportation of sediment and pollutants into receiving waters.

SILT FENCE INSTALLATIONS WITH J-HOOKS AND SPURS

Silt fence should never be run continuously.. The silt fence should turn back into the fill or slope to create small pockets that trap silt and force stormwater to flow through the silt fence. This technique, or configuration, is commonly referred to as J-hooks or spurs. The J-hooks shall be utilized on all silt fences that are located around the perimeter of the project and along the toe of embankments or slopes. The J-hooks shall be spaced in accordance with the Typical Location Details for silt fences/baled straw. Spacing for J-hooks shall not be less than 50 feet except as noted. Silt fences that are near the outlet of culverts, cross drains, and storm drains shall have a minimum of three (3) J-Hooks on both sides of the structure at spacing not to exceed 30 feet. J-Hooks shall be paid for as silt fence items per foot. All costs and other incidental items are included in cost of installing and maintaining the silt fence.

MAINTENANCE AND STABILIZATION MEASURES

See Special Provision 161 and 700 and other contract documents for maintenance and stabilization measures.

GDOT STANDARD DETAILS		
NUMBER	NAME	DATE REVISED
D-20	INLET SEDIMENT TRAP	DECEMBER 2000
D-24A	TEMPORARY SILT FENCE, BALED STRAW EROSION CHECK, BRUSH BARRIER DETAILS	SEPTEMBER 2001
EC-L1-L6	EROSION CONTROL LEGEND AND UNIFORM CODE SHEET	JANUARY 2007

WASTE DISPOSAL

Solid materials, including building materials, shall not be discharged to Waters of the State, unless authorized by a Section 404 Permit.

INSPECTIONS

All inspections shall be documented on the appropriate Department inspection forms. See Special Provision 167 and other contract documents for inspection requirements. These inspections shall continue until the Notice of Termination (NOT) is submitted. Failure to perform inspections as required by the contract documents and the NPDES permit shall result in the cessation of all construction activities with the exception of Traffic Control and Erosion Control. Continued failure to perform inspections shall result in non-refundable deductions as specified in the contract documents.

NON-STORM WATER DISCHARGES

Non-storm water discharges defined in Part III.A.2 of the NPDES Permit will be identified after construction has commenced. These discharges shall be subject to the same requirements as storm water discharges required by the Georgia Erosion and Sedimentation Control Act, the NPDES Permit, the Clean Water Act, the Manual For Erosion and Sediment Control in Georgia, Department Standards, and contract documents.

DE-WATERING ACTIVITIES AND USE OF PUMPS

Any pumped discharge from an excavation shall be routed through a sediment basin or shall be treated equivalently with suitable BMP's.

OTHER CONTROLS

The contractor shall follow this ESPCP and ensure and demonstrate compliance with applicable State and/or local waste disposal, sanitary sewer or septic system regulations. The contractor shall control dust from the site in accordance with Section 161 of the current edition of the Department's Specifications.

SEDIMENT BASINS

Sediment basins will be utilized at all outfall locations except as noted below: Station(s) _____; A Sediment Basin(s) is (are) not used at this (these) location(s). The disturbed acreage within the drainage area is _____. The disturbance activities consist of _____. BMP's as shown on the erosion control plans will be adequate to control sediment runoff at this (these) location(s). Land disturbance activities associated with constructing and removing a sediment basin at this (these) location(s) would cause additional adverse impacts.

STREAM BUFFER ENCROACHMENT

Stream Buffers (are/are not) impacted by this project.

REVISED OCTOBER 2007

HALL COUNTY	CONSTRUCTION ELEMENT	SHEET NO.	TOTAL SHEETS
	TEE-0008-00(156)	10	13

GENERAL GRADING NOTES

- CONTRACTOR SHALL LOCATE ALL UTILITIES BEFORE WORK SHALL BEGIN. UTILITY LOCATIONS SHOWN HEREIN ARE APPROXIMATE. ALL UTILITIES MAY NOT BE SHOWN.
- CONTRACTOR SHALL GRADE ALL DISTURBED AREAS TO ENSURE POSITIVE DRAINAGE TO DRAINAGE STRUCTURES AND DITCHES. NATURAL FLOW OF SURROUNDING WATERS SHALL NOT BE DISTURBED DURING CONSTRUCTION.
- ALL EARTHWORK OPERATIONS REQUIRED FOR CONSTRUCTION OF THE VARIOUS STRUCTURES AND UTILITY LINES INDICATED SHALL BE CONDUCTED IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE SPECIFICATIONS. GRADING SHALL BE AS INDICATED, AND SHALL PRODUCE A FINISHED SURFACE WITH NO PONDING OF WATER, READY TO RECEIVE PAVING, PLANTING MATERIALS OR GRASSING.
- ALL TOPSOIL AND EXCAVATED MATERIAL SHALL BE STOCKPILED IN AN APPROVED AREA DURING CONSTRUCTION. EXCESS OR UNUSABLE TOPSOIL SHALL BE DISPOSED OF OFF SITE. EXCAVATED MATERIAL TO BE STORED AT AN APPROVED LOCATION.
- THE CONTRACTOR SHALL PROPERLY DISPLAY THE LAND DISTURBANCE PERMIT ON THE SITE AT ALL TIMES DURING CONSTRUCTION AND IN PLAIN VIEW FROM THE THOROUGHFARE.
- CONTRACTOR SHALL INCORPORATE BMP'S PRIOR TO ANY DEMOLITION WORK. ANY DAMAGE TO THE NATURAL RESOURCES SHALL BE REPLACED BACK TO ITS ORIGINAL STATE AT THE CONTRACTOR'S EXPENSE.
- PROPOSED CURBS TO TIE IN TO EXISTING CURBS, UNLESS NOTED OTHERWISE.
- CONTRACTOR SHALL ADJUST TOP OF EXISTING SANITARY SEWER MANHOLES AND UTILITY BOXES TO MATCH FLUSH WITH PROPOSED GRADES AS NECESSARY.
- PROPOSED SIDEWALK SHALL MATCH EXISTING ELEVATION AT BUILDING FACE, UNLESS NOTED OTHERWISE.
- MAINTAIN POSITIVE DRAINAGE FROM FACE OF BUILDING TO CURB.

"I certify that this Erosion, Sedimentation and Pollution Control Plan has been prepared in accordance with part IV GAR 100002."

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that the qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

I certify under penalty of law that this plan was prepared after a site visit to the location described herein by myself or my authorized agent under my direct supervision.

Bill M. Jaeger
DALE JAEGER
3-11-08
DATE
LEVEL 2 CERTIFIED DESIGN PROFESSIONAL # 0000041297



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RAILROAD STREET CORRIDOR
IMPROVEMENT PROJECT
PHASE I
TEE-0008-00(156); PI No. 0008156
CITY OF OAKWOOD
HALL COUNTY, GEORGIA

Date: 1.31.08

Revisions:

Project No.: 07002

Scale:

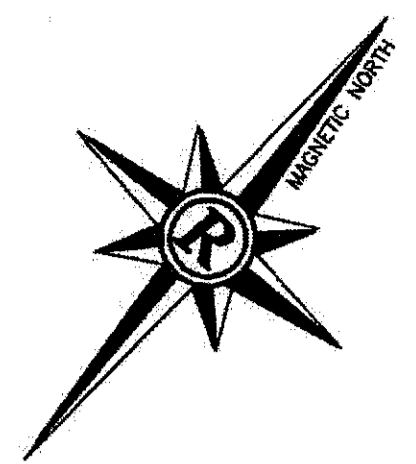
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EROSION & SEDIMENT CONTROL NOTES AND DETAILS

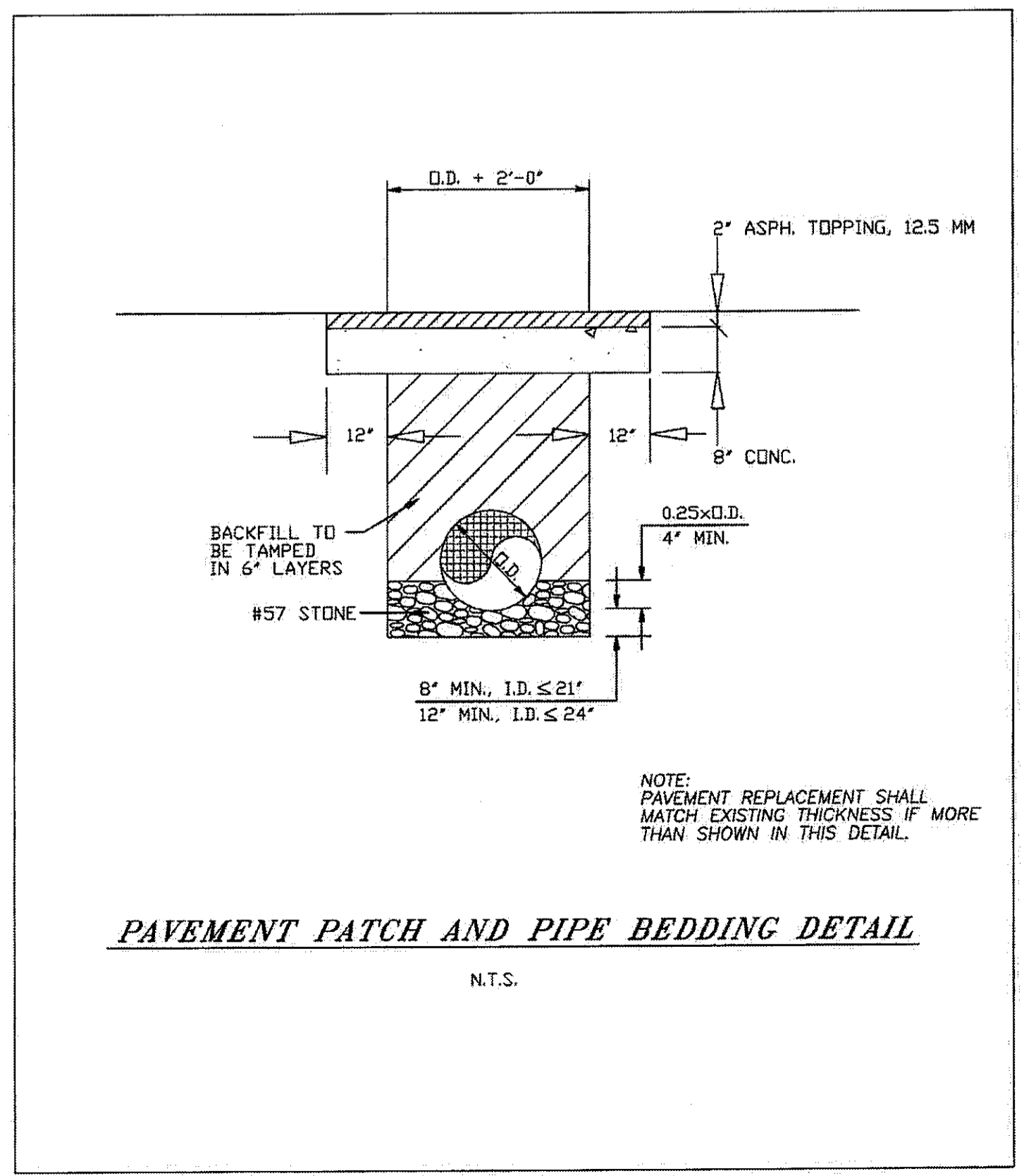
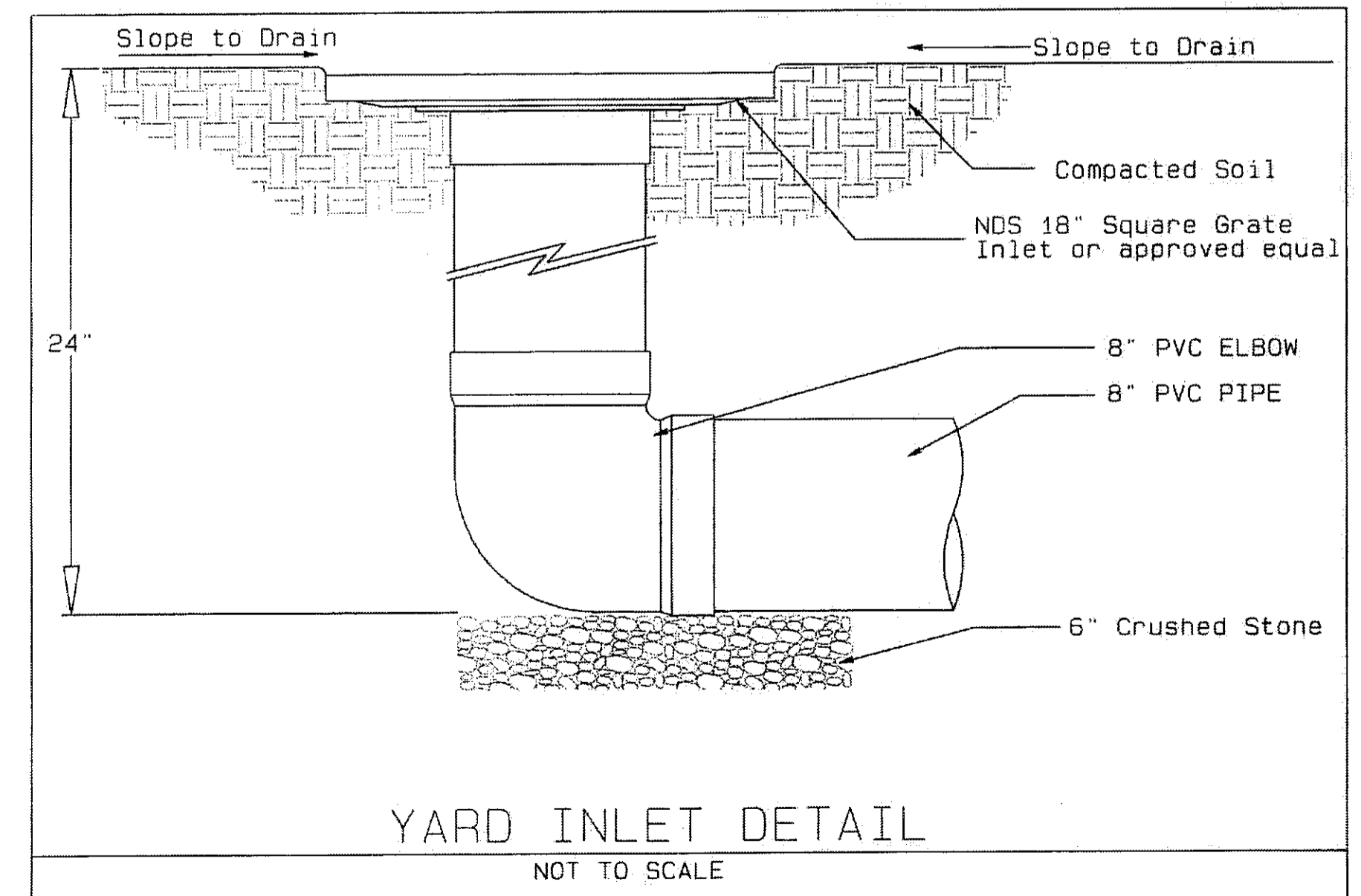
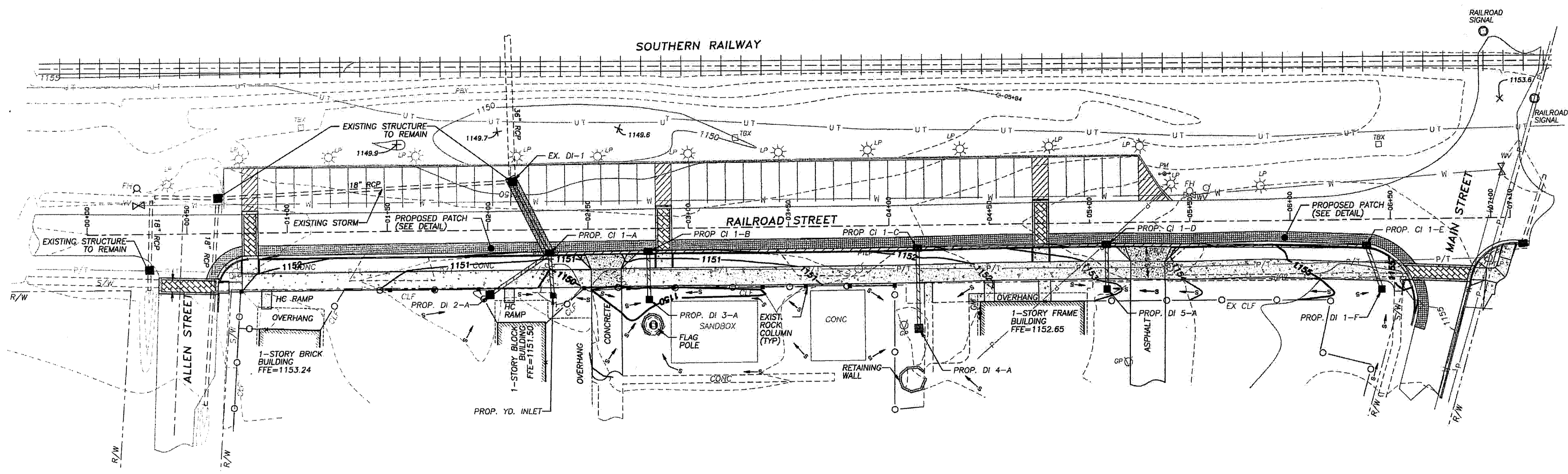
EC.102

HALL COUNTY	CONSTRUCTION ELEMENT	SHEET NO.	TOTAL SHEETS
	TEE-0008-00 (156)	11	13

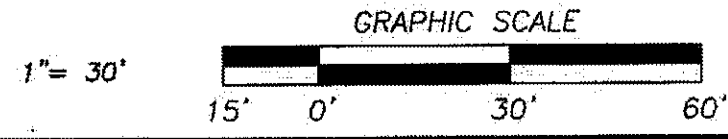


LEGEND

- | PROPOSED ITEMS | | EXISTING ITEMS | |
|----------------|--------------------------------|----------------|----------------------------------|
| --- | PROPOSED INTERMEDIATE CONTOUR | --- | EXISTING INTERMEDIATE CONTOUR |
| --- | PROPOSED INDEX CONTOUR | --- | EXISTING INDEX CONTOUR |
| --- | PROPOSED STORM LINE | --- | EXISTING STORM LINE |
| --- | DOUBLE WING CATCH BASIN (DWCB) | --- | SANITARY SEWER |
| --- | SINGLE WING CATCH BASIN (SWCB) | --- | UNDERGROUND TELEPHONE |
| --- | CURB INLET (CI) | --- | FIRE HYDRANT |
| --- | JUNCTION BOX (JB) | --- | MANHOLE |
| --- | WATER METER | --- | WATER VALVE |
| --- | HEADWALL (HW) | --- | UNDERGROUND POWERLINE |
| --- | FIRE HYDRANT | --- | WATER METER |
| | | --- | TELEPHONE BOX |
| | | --- | GUARD RAIL |
| | | --- | FENCE |
| | | --- | POWER TELEPHONE POLE |
| | | --- | IRON PIN FOUND |
| | | --- | DROP INLET |
| | | --- | OVERHEAD POWER LINE |
| | | --- | UNDERGROUND POWER TELEPHONE LINE |
| | | --- | JUNCTION BOX |
| | | --- | GUY WIRE |
| | | --- | LIGHT POLE |
| | | --- | TRAFFIC SIGNAL BOX |
| | | --- | TRAFFIC SIGNAL POLE |
| | | --- | PROPERTY LINE |
| | | --- | EDGE OF PAVEMENT |
| | | --- | DOUBLE WING CATCH BASIN (DWCB) |
| | | --- | SINGLE WING CATCH BASIN (SWCB) |
| | | --- | HEADWALL (HW) |



GDOT STANDARD DETAILS		
NUMBER	NAME	DATE REVISED
1019A PRECAST	STANDARD PRECAST DROP INLETS	AUGUST 1999
1019A	STANDARD DROP INLETS	AUGUST 1999



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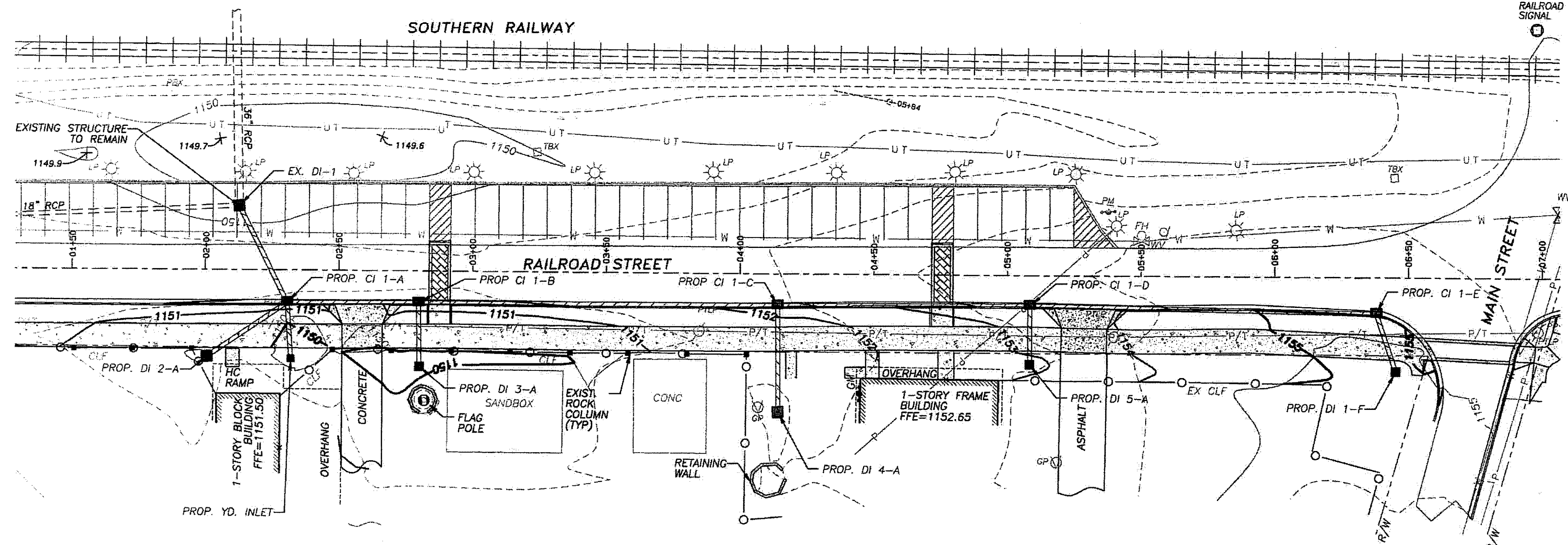
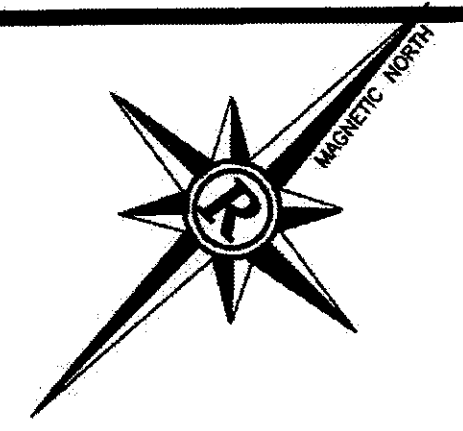


RAILROAD STREET CORRIDOR IMPROVEMENT PROJECT PHASE I
 TEE-0008-00(156); PI No. 0008156
 CITY OF OAKWOOD
 HALL COUNTY, GEORGIA

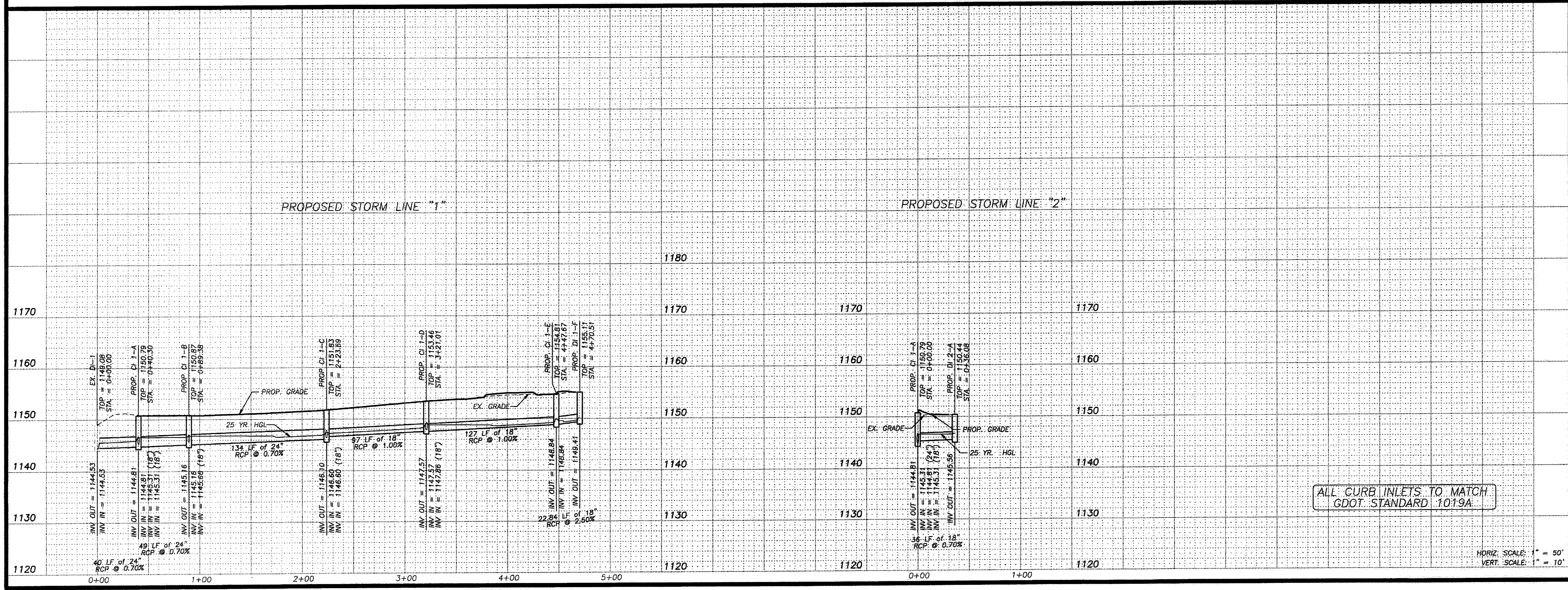
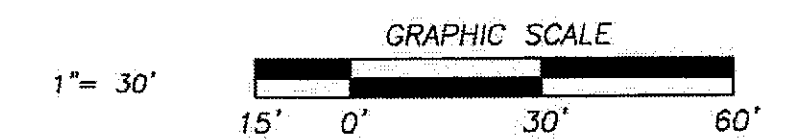
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 Scale: **SCALE: 1" = 30'**
 Drawn: **RBW**
 Checked: **JNC**

GRADING & DRAINAGE
C.01

HALL COUNTY	CONSTRUCTION ELEMENT	SHEET NO.	TOTAL SHEETS
	TEE-0008-00 (156)	12	13



PROPOSED STORM LINE "1 & 2"



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 RAI PROJECT NO.: 6207001.005
 RAI FILE: 6207001.005.DWG101



**RAILROAD STREET CORRIDOR
 IMPROVEMENT PROJECT
 PHASE I
 TEE-0008-00(156); PI No. 0008156**

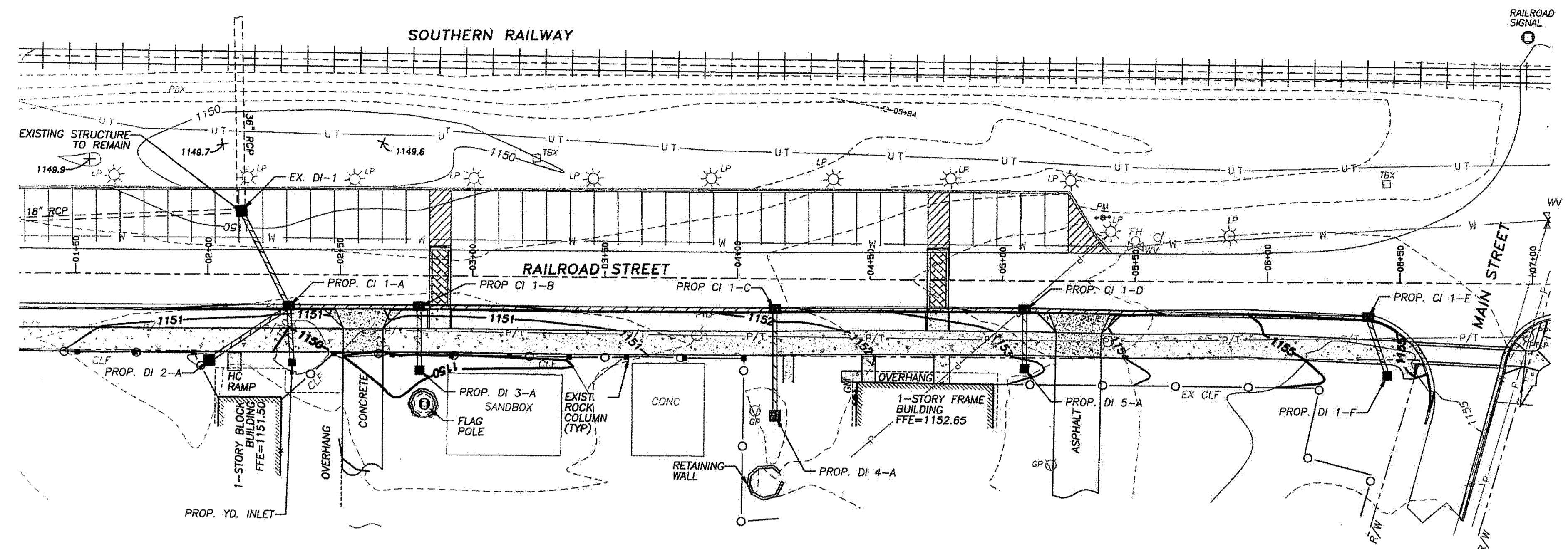
**CITY OF OAKWOOD
 HALL COUNTY, GEORGIA**

Date: **11.16.07**
 Revisions:
 Project No.: **07002**
 Scale: **AS SHOWN**
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 Checked: **JNC**

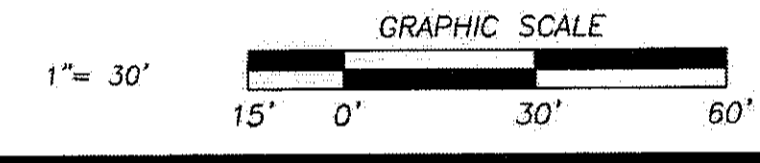
**STORM
 PROFILE**

C.02-A

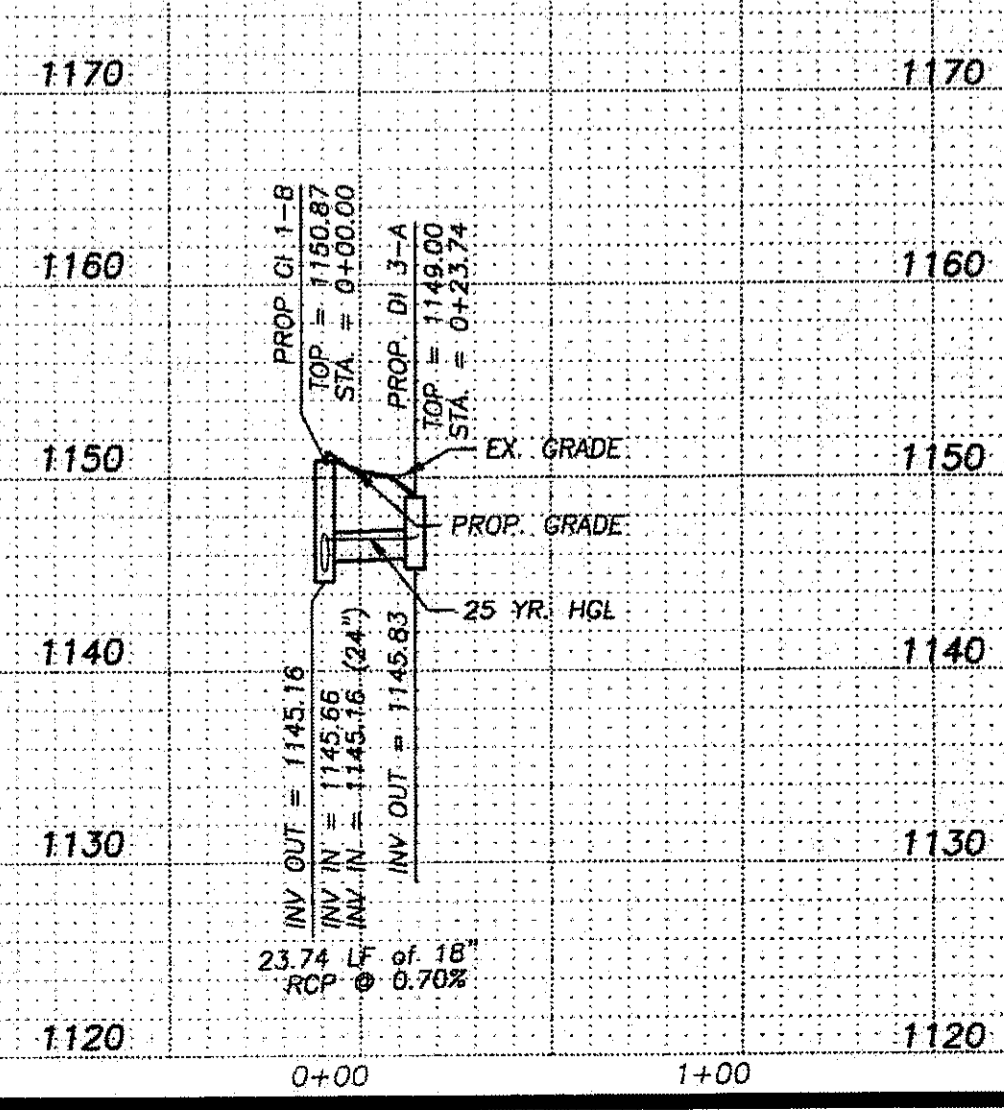
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	TEE-0008-00 (156)	13	13



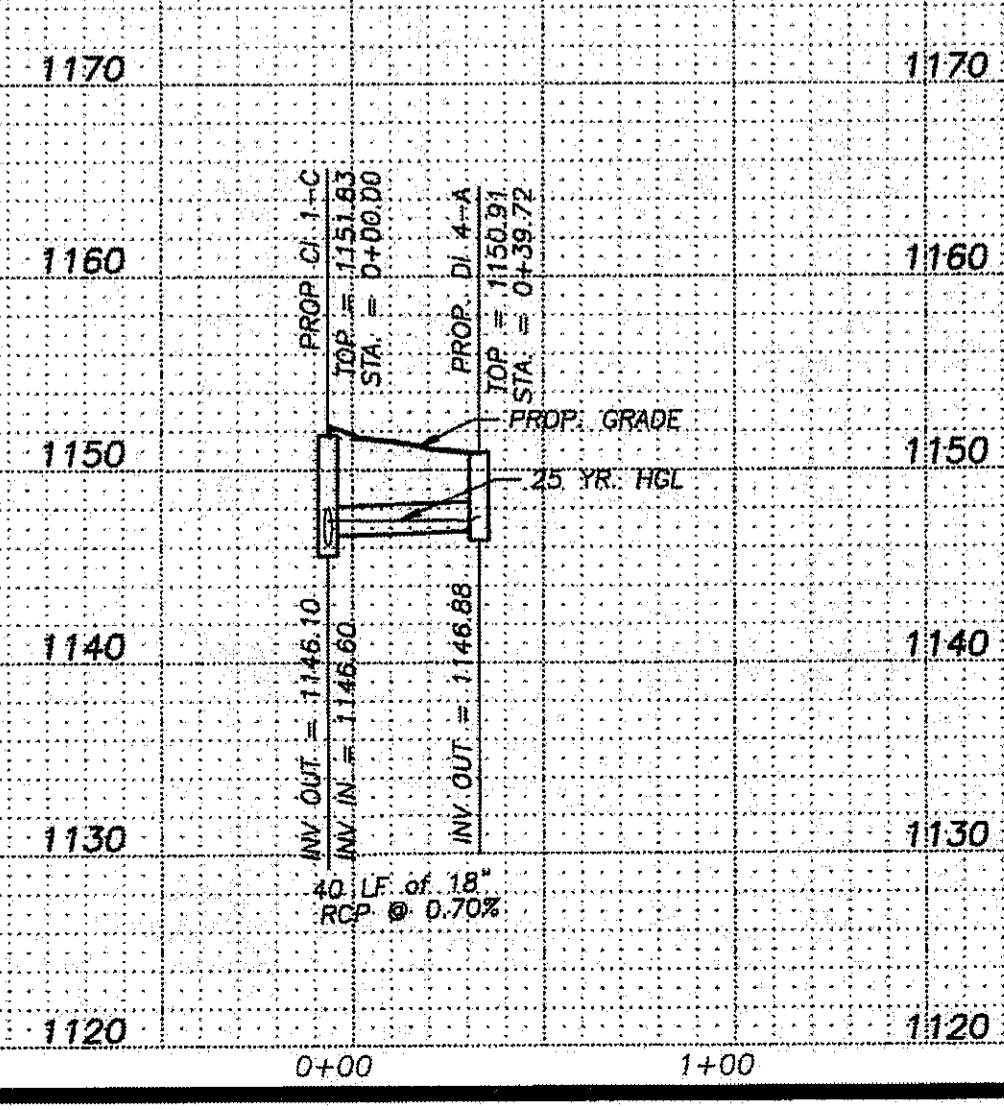
PROPOSED STORM LINE "3, 4 & 5"



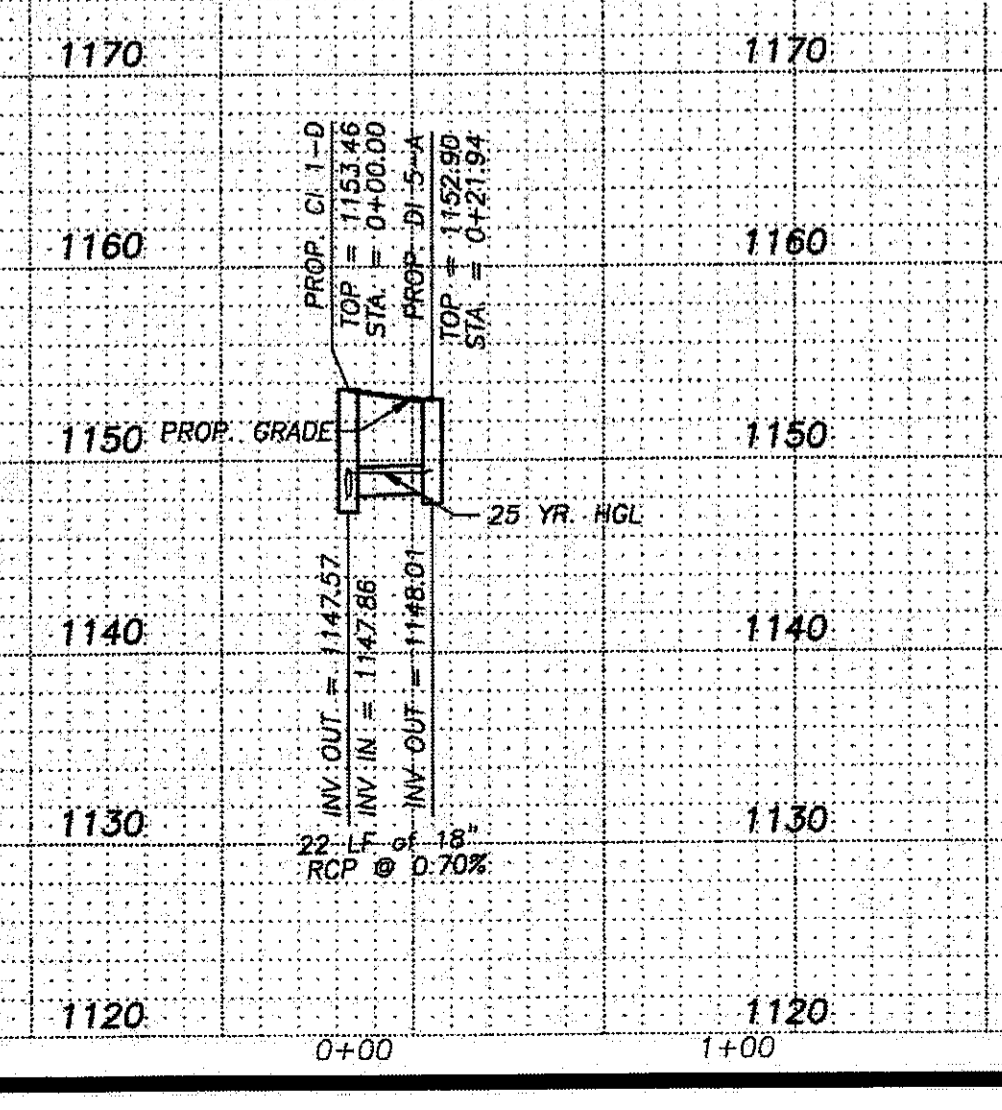
PROPOSED STORM LINE "3"



PROPOSED STORM LINE "4"



PROPOSED STORM LINE "5"



ALL CURB INLETS TO MATCH
 GDOT STANDARD 1019A

HORIZ. SCALE: 1" = 50'
 VERT. SCALE: 1" = 10'

RAILROAD STREET CORRIDOR
 IMPROVEMENT PROJECT
 PHASE I
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Date: 11.16.07
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 Checked: JNC

STORM
 PROFILE
 C.02-B



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 PFI FILE: G207051.OCS.NST01