



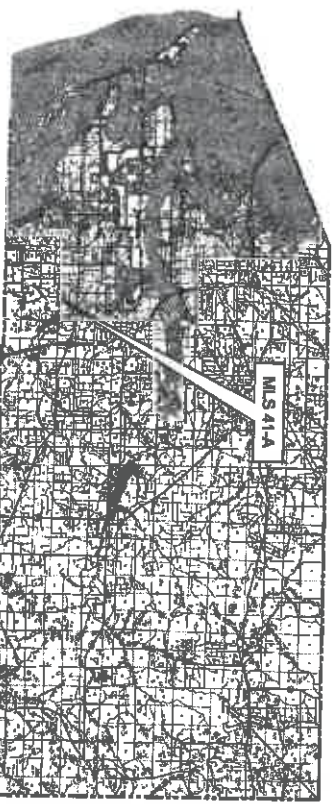
MANATEE COUNTY, FLORIDA IMPROVEMENTS AT MASTER LIFT STATION 41-A PROJECT NO. 6066480

RECORD DRAWINGS
MAY 2010

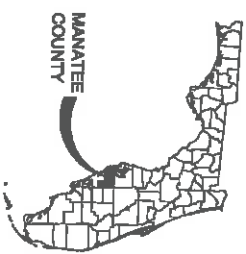
PROJECT SITE



PROJECT MAP
5308 GREENGATE TRAIL
BRADENTON, FL 34203



NOTE:
ALL UTILITIES ON THE IMPROVEMENTS AT MASTER LIFT STATION 41-A
SITE ARE OWNED & MAINTAINED BY MANATEE COUNTY.



RECORD DRAWING

URS
7850 Road County Campbell County
State 700
Project Number 6066480
Project Description
Project Number 6066480

NO.	BY	DATE	REVISION
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

URS JOB NUMBER
12007200
P.E. C. GONZALES
E.D. R. JONES
P.E. J. SWEETMAN
REVISED DATE
May 13, 2010



IMPROVEMENTS AT
MASTER LIFT STATION 41-A
MANATEE COUNTY GOVERNMENT
MANATEE COUNTY, FLORIDA

COVER SHEET

DATE: 5/13/2010
BY: J. SWEETMAN

PROJECT STATUS
RECORD DRAWINGS
MAY 2010
G-1



- [illegible]

RECORD DRAWING

URS

7650 West Courtney Campbell Causeway
Suite 700
Tampa, Florida 33607
Ph: (813) 266-1711 Fax: (813) 266-6
Florida Engineering Number: 000002

[illegible]

UNS JOB NUMBER
 12007388
 NAME: C. OSWALD
 ADDRESS: R. AARLUS
 FROM: J. SCHUBERTMAN
 FILE NAME: DATE:
 May 25, 2010



IMPROVEMENTS AT
MASTER LIFT STATION 41-A
FOR
MANATEE COUNTY GOVERNMENT
MANATEE COUNTY, FLORIDA

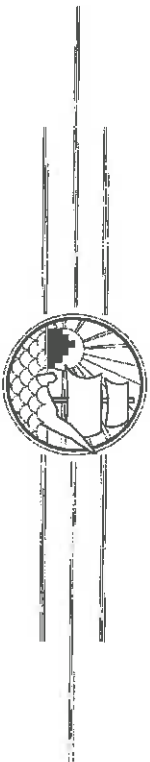
SITE MAP

PROJECT STATUS
RECORD DRAINAGES
MAY 2010

PAUL P. GONZALEZ
 Director, U.S. Forest Service

1

-pages
1 of 5

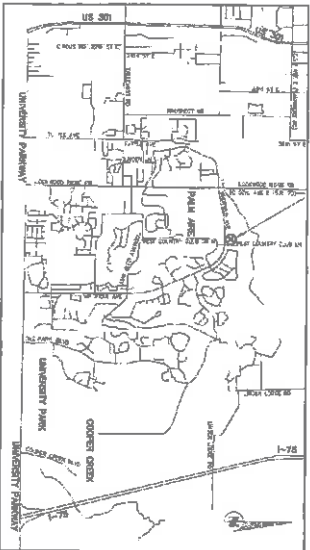


MANATEE COUNTY, FLORIDA LIFT STATION 41-A (RTU #454) REHABILITATION

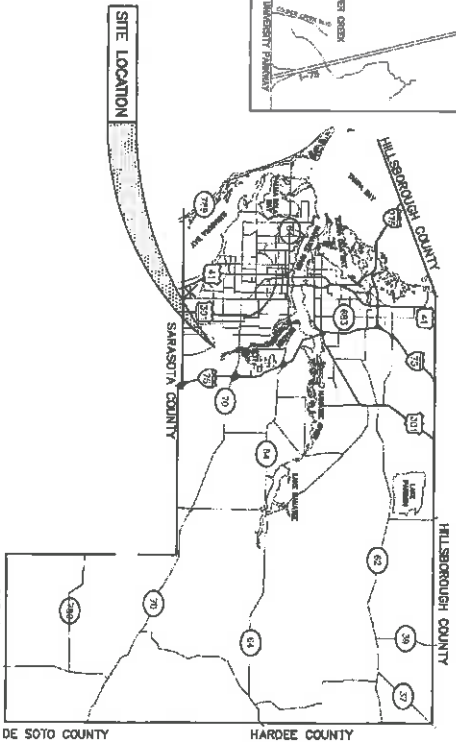
PROJECT NO. 402-0019707

NOVEMBER 2003

RECORD DRAWINGS



VICINITY MAP
N.T.S.



SITE LOCATION
N.T.S.



NO. INDEX OF SHEETS

1	COVER SHEET
2	GENERAL NOTES & LOCATION MAP
3-4	MISCELLANEOUS DETAILS
5	EROSION CONTROL DETAILS

SEC-22, TWP-35S, RGE-18E

PLAN/SECTION - BOX NOS.		PROJECT MANAGEMENT	
BY	DATE	BY	DATE
Checked		Checked	
Field		Field	
Approved		Approved	
Right of Way		Right of Way	
Scale: 1"=40'	Scale: 1"=40'	Scale: 1"=40'	Scale: 1"=40'

COVER SHEET

NOTES: THESE DRAWINGS DO NOT CONSTITUTE A GUARANTEE OF THE ACCURACY OF THE INFORMATION PROVIDED HEREON. THE USER OF THESE DRAWINGS SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOR OBTAINING ALL NECESSARY INFORMATION FROM THE APPROPRIATE AGENCIES. THE USER OF THESE DRAWINGS SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY INFORMATION FROM THE APPROPRIATE AGENCIES. THE USER OF THESE DRAWINGS SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY INFORMATION FROM THE APPROPRIATE AGENCIES.

REVISION, DESCRIPTION, DATE, BY, INC.	Proj. No.	402-0019707
RECORD DRAWING INFO 10/22/04 dhl	Draw. Date	11/24/03
	Draw. No.	1541ACDV
	Sheet	1 of 5

SCOPE:

SCOPE:

- ## SPECIFICATIONS:

BOLDED FLANGED FITTINGS

- [illegible]

MARTIN/ARCE

1. ALL FASTENERS, ANCHORS, ETC. SHALL BE TYPE 316 STAINLESS STEEL, UNLESS OTHERWISE SPECIFIED. ALL BOLTED CONNECTIONS SHALL HAVE A STAINLESS STEEL BOLT, STAINLESS STEEL FLAT WASHER, STAINLESS STEEL LOCK WASHER AND STAINLESS STEEL NUT. ALL STAINLESS STEEL FASTENERS SHALL BE TREATED WITH NEROL-SEAL PRIOR TO ASSEMBLY AND TORQUED ACCORDING TO THE FITTING OR FASTENER MANUFACTURER'S SPECIFICATIONS.

THE NEW YORK PUBLIC LIBRARY

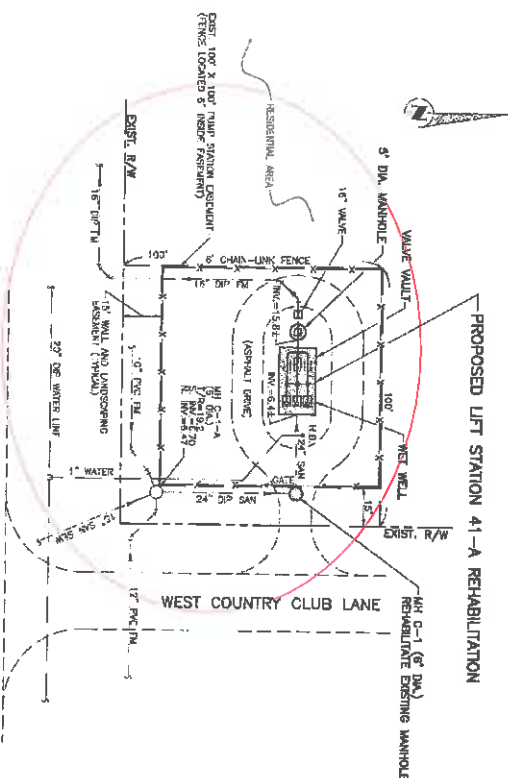
- THE CONTRACTOR SHALL BE EQUIPPED WITH ADEQUATE EXHAUST FLOWING EQUIPMENT USED BY THE CONTRACTOR SHALL BE USED TO REDUCE THE NOISE CAUSED BY THIS EQUIPMENT TO THE EXTENT POSSIBLE. THE CONTRACTOR SHALL STRICTLY OBSERVE ALL LOCAL REGULATIONS AND ORDINANCES COVERING NOISE CONTROL.

PLAN/INSETLE ~ BOOK NOS.		BY		CHECKED	DATE	ENGINEER	PROJECT NAME/BRAND
Surveyed	By _____	Checked	Initial				 KANNUR DISTRICT KANNUR KANNUR
Plotted				Designed	EMM		
A printed				Drawn	JEL		
Right of Way				Quantity	JEL		
Scale Here: N/A	Scale Here: N/A						

LIFT STATION 41-A (RTU #45) REHABILITATION

SUMMARY OF WORK IN THIS PROJECT

1. REMOVAL AND REPLACEMENT OF THE EXISTING PUMP BASE ELDS WITH THREE (3) NEW 6" PUMP BASE ELDS.
2. REMOVAL AND REPLACEMENT OF THE EXISTING PUMP GUIDE RAIL SYSTEM WITH THREE (3) NEW GUIDE RAIL SYSTEMS (EACH SYSTEM REQUIRES TWO (2) RAILS) AND NEW STAINLESS STEEL UPPER GUIDE RAIL BRACKET.
3. REMOVAL OF THE EXISTING T-LOCK RAIL LINER IN ITS ENTIRETY, CLEANING AND SURFACE PREPARATION, AND INSTALLATION OF A NEW FIBERGLASS LINER SYSTEM IN THE WET WELL.
4. INSTALLATION OF TWO (2) STAINLESS STEEL PIPE BRACKETS SUPPORTING AND INSTALLATION OF A NEW FIBERGLASS LINER SYSTEM IN THE WET WELL.
5. REMOVAL AND REPLACEMENT OF THE EXISTING IRON BORED FLANGED REDUCERS WITH LATERAL SUPPORTS IN THE WET WELL.
6. NEW 6" PUMP BASE ELDS TO THE LOWER DIAMETER WET WELL PIPING.
7. REMOVAL AND REPLACEMENT OF THE EXISTING 6" PUMP PIPING WITH 10" SCHEDULE 10 TYPE 316 STAINLESS STEEL, GROOVED JOINT PIPE AND FITTINGS FROM THE PUMPED EXHAUSTING REDUCERS IN THE WET WELL TO THE CHECK VALVES IN THE VALVE VAULT, INCLUDING STAINLESS STEEL, 6" ELDS AND STAINLESS STEEL FLANGE COUPLINGS, ETC.
8. REMOVAL AND REPLACEMENT OF THE EXISTING DUCTILE IRON PIPING AND FITTINGS WITH NEW 10" DUCTILE IRON PIPING AND FITTINGS FROM THE PUMPED GATE VALVES TO THE EXISTING 10" DUCTILE IRON PIPING IN THE VALVE VAULT AND FITTINGS SHALL BE POLISHED LINED WITH STAINLESS STEEL BOATING.
9. REMOVAL AND REPLACEMENT OF THE EXISTING 10" PUMP DISCHARGE CHECK VALVES WITH THREE (3) NEW 10" IRON BORED FLANGED CHECK VALVES.
10. REMOVAL OF THE EXISTING 10" PIPING IN THE 5' DIAMETER MANHOLE AND INSTALLATION OF A 10" GATE VALVE, 10"x6" DUCTILE IRON FLANGED TEE, 6" GATE VALVE, 6" GATE ELDS AND A 6" PUMP ADAPTER TO THE EXISTING 10" DUCTILE IRON PIPE.
11. REMOVAL OF THE EXISTING VALVE WALK AND MANHOLE GRATING WITH A NEW 3" PVC DRAIN LINE FROM THE MANHOLE TO THE VALVE VAULT AND A NEW 3" PVC DRAIN LINE FROM THE VALVE VAULT TO THE WET WELL, INCLUDING A 7'-10" DUCTILE IRON TEE, THE BOTTOM OF THE VALVE VAULT AND MANHOLE FOR POSITIVE DRAINAGE FLOW TO THE DRAIN LINES.
12. INSTALLATION OF A 6" PVC FILLING WALL WITH STAINLESS STEEL PIPE SUPPORTS IN THE WET WELL. (FOR TRANSDUCER USE).
13. REMOVAL OF THE EXISTING PRESSURE GAUGE ASSEMBLY IN THE VALVE VAULT.
14. REMOVAL OF THE EXISTING CONCRETE PIPE SUPPORTS AND INSTALLATION OF STAINLESS STEEL PIPE SUPPORTS.
15. REINSTALLATION OF THE EXISTING GROUND SENSER 6" DIAMETER MANHOLE C-1 WITH THE INSTALLATION OF A FIBERGLASS LINER SYSTEM, INCLUDING CLEANING, SANDBLASTING AND SURFACE PREPARATION PRIOR TO REINSTALLATION.
16. BY-PASS PUMPING AS NECESSARY DURING CONSTRUCTION.



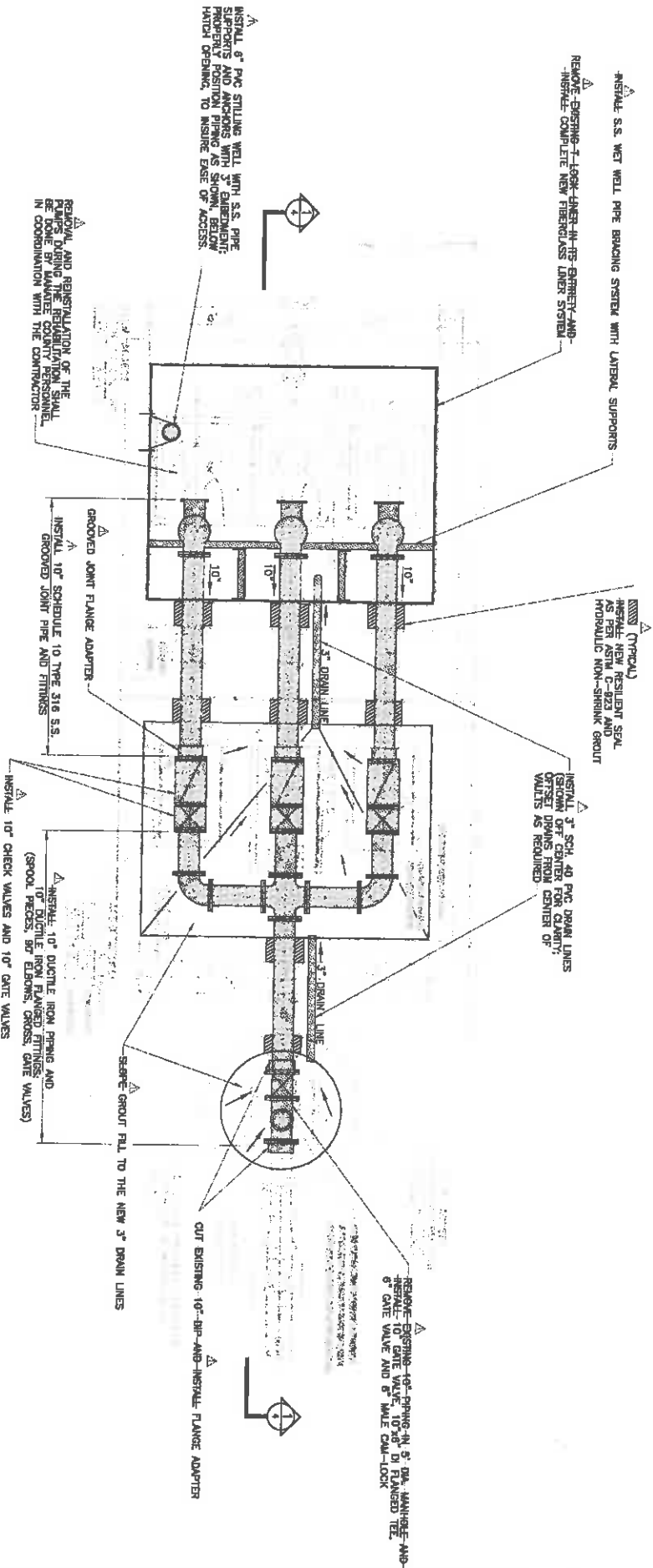
PROPOSED LIFT STATION 41-A REHABILITATION

SITE PLAN

8341 WEST COUNTRY CLUB LANE
(PALM AIRE SUBDIVISION)

SCALE: 1"=20'

INDICATES REHABILITATION
IN THIS PROJECT[illegible]



LIFT STATION PLAN N.T.S.

- NOTES:
1. GRAY SHADE INDICATES RECORD DRAWING INFORMATION. (FROM 1998)
 2. NO PIPE JOINTS ALLOWED OUTSIDE OF VAULTS OR MANHOLE.

NOTE: THIS DRAWING WAS DERIVED FROM RECORD DRAWING INFORMATION DATED 11/24/03. ALL DIMENSIONS AND EXISTING CONDITIONS ARE TO BE FIELD VERIFIED BY THE CONTRACTOR/BIDDER.

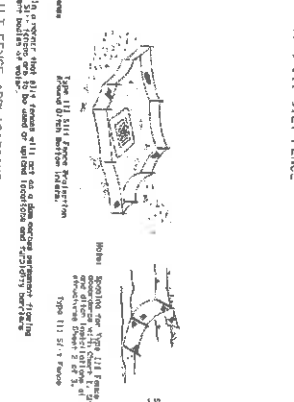
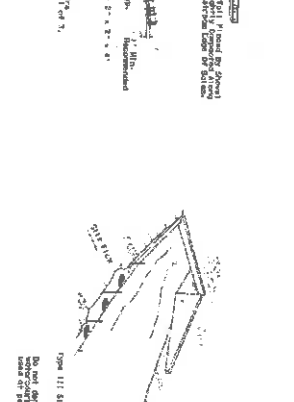
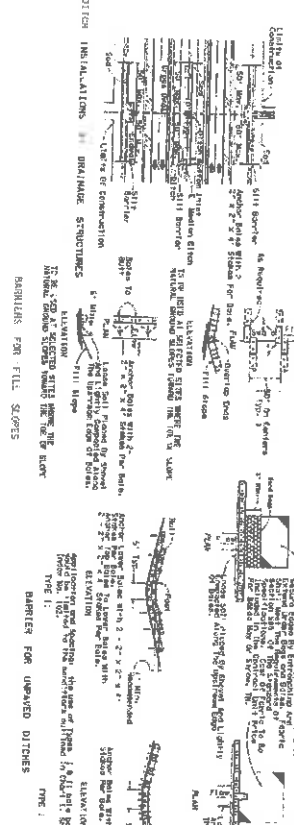
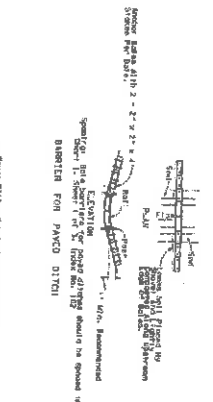
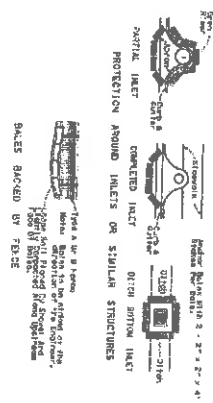
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Submitted	Checked	Drawn	Designed	Checked	Drawn	Designed	Checked	Drawn	Designed
Project	Department	Drawn	Checked	Drawn	Checked	Drawn	Checked	Drawn	Checked
Scale	Sheet	Scale	Sheet	Scale	Sheet	Scale	Sheet	Scale	Sheet
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

LIFT STATION 41-A (RTU #454)

MISCELLANEOUS DETAILS

THIS DRAWING WAS DERIVED FROM RECORD DRAWING INFORMATION DATED 11/24/03. ALL DIMENSIONS AND EXISTING CONDITIONS ARE TO BE FIELD VERIFIED BY THE CONTRACTOR/BIDDER.

[illegible]

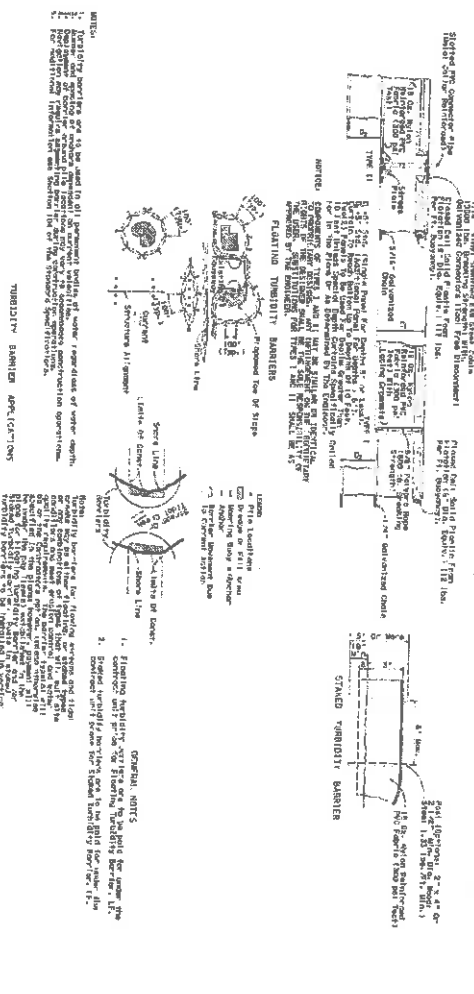


NOTE:
REFERENCE THE FDOT DESIGN STANDARDS
LATEST EDITION FOR ALL TEMPORARY
EROSION CONTROL MEASURES.

PROJECT NO.	DATE	FILE	PROJECT NAME
402-0018707	11/24/03	1541/0073	MANATEE COUNTY FLORIDA

LIFT STATION 41-A (RTU #454) **REHABILITATION** **EROSION CONTROL DETAILS**

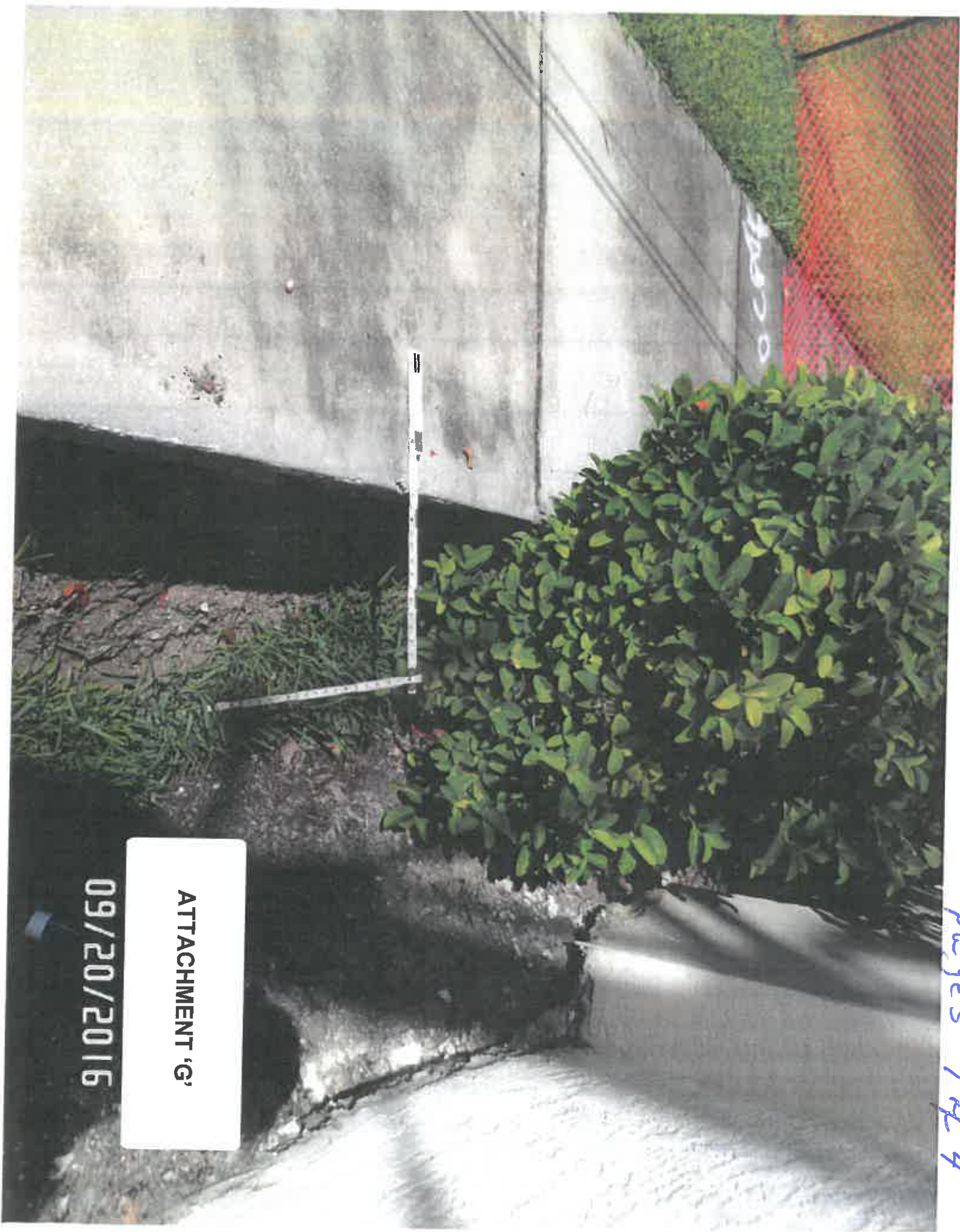
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3	ISSUED FOR CONSTRUCTION	11/24/03	DAW	3
4	ISSUED FOR CONSTRUCTION	11/24/03	DAW	4
5	ISSUED FOR CONSTRUCTION	11/24/03	DAW	5



BALED HAY OR STRAW BARRIER **AND SILT FENCES**

SILT FENCE APPLICATIONS

1. BARRIERS SHALL BE PLACED AT THE TOP OF THE SLOPE TO BE PROTECTED.
2. BARRIERS SHALL BE PLACED AT THE TOP OF THE SLOPE TO BE PROTECTED.
3. BARRIERS SHALL BE PLACED AT THE TOP OF THE SLOPE TO BE PROTECTED.



ATTACHMENT 'G'

09/20/2016

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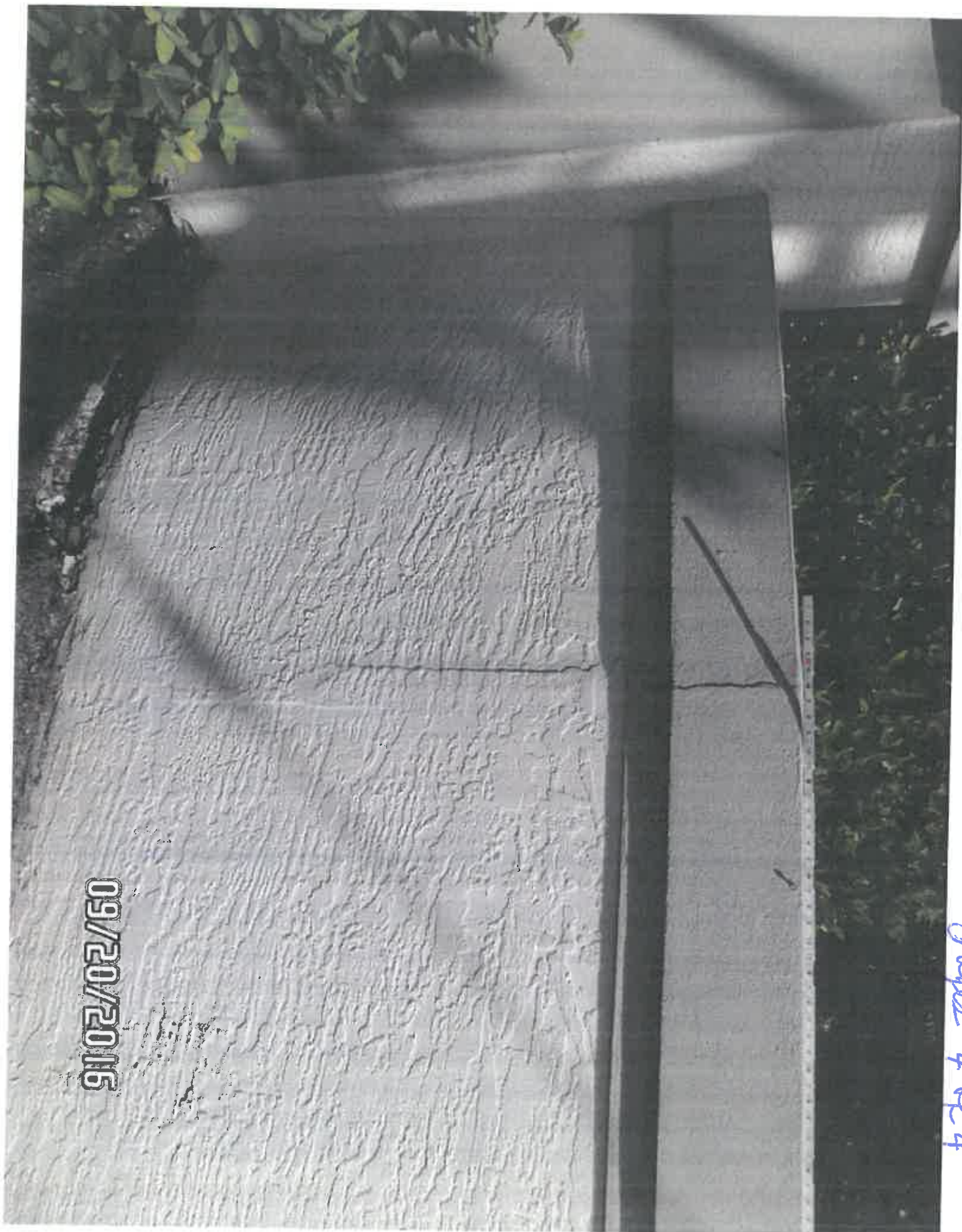
09/20/2016

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09/20/2016

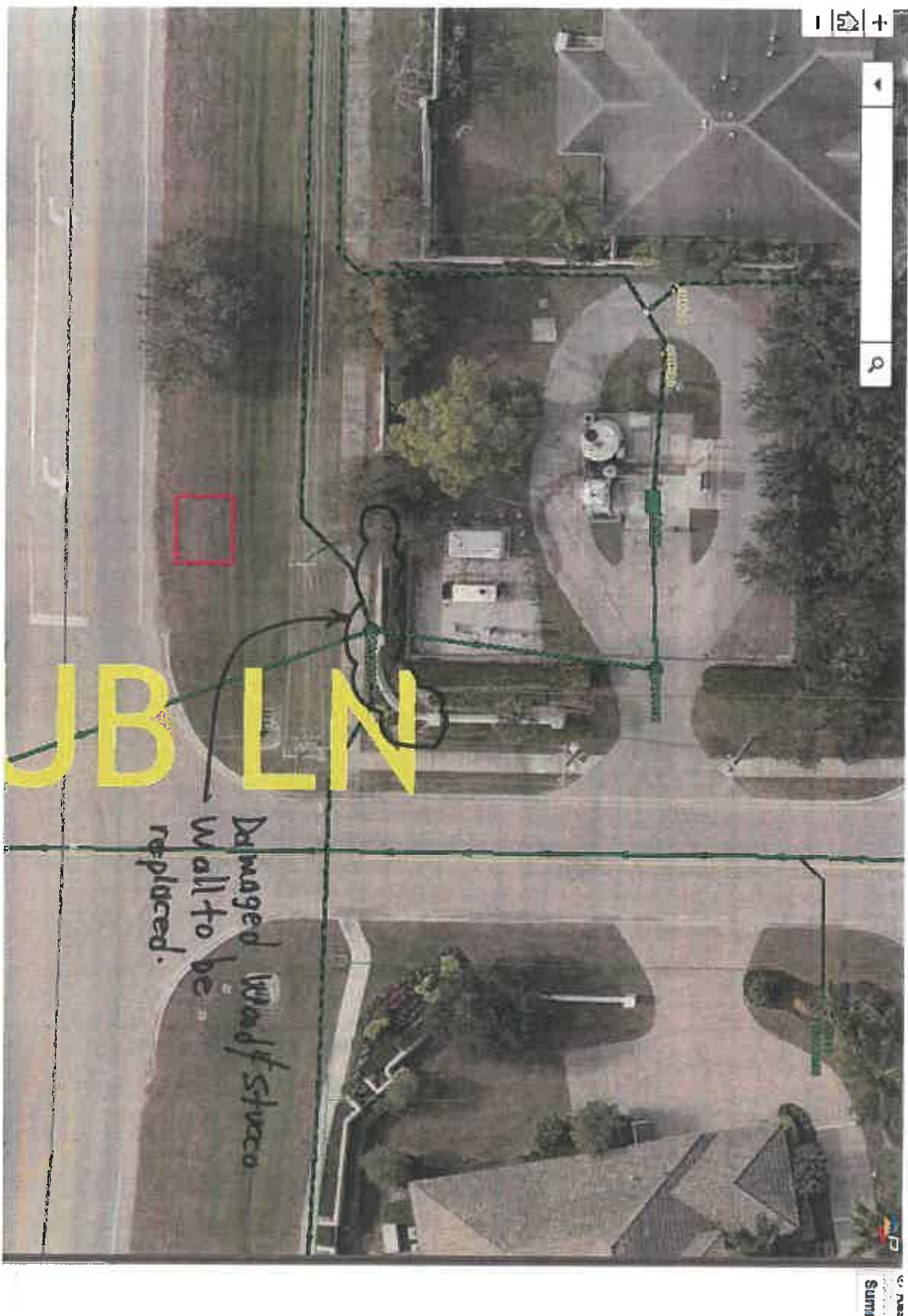


09/20/2016



ATTACHMENT 'H'

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ATTACHMENT 'I'

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