

CONSTRUCTION DRAWINGS

FOR

NW 5TH AVENUE (300-600 BLK) STREETSCAPE IMPROVEMENTS

PROJECT #05063

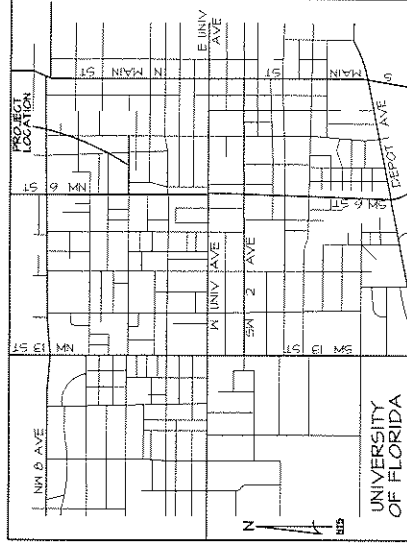
PROJECT LENGTH = 911 FT

INDEX OF ROADWAY PLANS

NO.	SHEET DESCRIPTION
1	COVER SHEET
2	CONSTRUCTION DETAILS & NOTES
3-6	STREETSCAPE PLAN SHEETS @ 1"=20'
7-10	UTILITY RELOCATION SHEETS @ 1"=20'
11-13	CITY OF GAINESVILLE HANDICAP RAMP DETAILS

FDOT ROADWAY DESIGN STANDARDS (JAN 2004)

102	250	303
103	270	304
200	275	305
201	275	453
205	300	500
209	301	505
210	302	513
211	306	514
229	300	515
232	301	526
249	302	604



COMMUNITY REDEVELOPMENT AGENCY (CRA) PROJECT

CITY OF GAINESVILLE
 P.O. BOX 490, MS #48
 GAINESVILLE, FL 32602-0490
 (352) 394-2205

SCOPE OF WORK

THIS PROJECT CONSISTS OF THE REVISION OF THE STREETSCAPE AND SAFETY IMPROVEMENTS ALONG NW 5TH AVENUE FROM MAIN AVE TO DEPOT STREET.

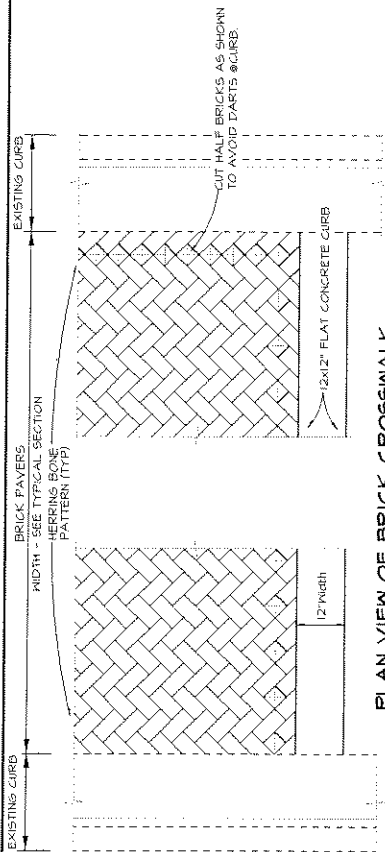
WORK TO INCLUDE: (1) THE REMOVAL OF EXISTING SIGNALS, PREMARKS, PAVERS, ETC. TO ACCOMMODATE STREETSCAPE BRICK PAVING; (2) THE INSTALLATION OF UNDERGROUND UTILITY CONDUITS FOR EXISTING AND NEW UTILITIES; (3) THE INSTALLATION OF UNDERGROUND AND DECATIVE LIGHTING (BUT NOT INCLUDING THE CONDUITS); (4) THE INSTALLATION OF COX CABLE TV CONDUIT IN SAME TRENCH LINE AND DESIGNATED LOCATIONS FOR DIRECT BURIAL; (5) THE INSTALLATION OF NEW SIDEWALKS AND CURBS; (6) THE INSTALLATION OF PAVEMENT AS NEEDED BEYOND SCOPE OF ENTIRE STREETSCAPE PROJECT; (7) PAVERS; (8) REVISIONS TO UTILITY DEPTH; (9) THE INSTALLATION OF STREETSCAPE BRICK SIDEWALKS AND CURBS; (10) THE INSTALLATION OF NEW SIDEWALKS AND CURBS TO IMPROVE THE SAFETY OF TRAFFIC; (11) TEMPORARY SIDEWALK DETOUR TO FACILITATE PEDESTRIAN TRAFFIC; (12) BUSINESS OPERATIONS.

CONSTRUCTION NOTES

1. THE METHOD AND MANNER OF PERFORMING THE WORK AND THE QUALITIES OF MATERIALS FOR CONSTRUCTION WITHIN THE RIGHT OF WAY SHALL BE IN ACCORDANCE WITH THE CITY OF GAINESVILLE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (2004) AS AMENDED BY FDOT PERMIT REQUIREMENTS.
2. NO WORK SHALL BE DONE FOR MATERIAL USED IN THE RIGHT OF WAY WITHOUT PERMISSION BY THE CITY OF GAINESVILLE AND THE CONTRACTOR SHALL FINISH ALL WORK WITHIN THE RIGHT OF WAY WITHIN THE SPECIFIED TIME FRAME. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN ALL NECESSARY PERMITS AND TO BE IN FULL COMPLIANCE WITH ALL CITY ORDINANCES AND REGULATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND TO BE IN FULL COMPLIANCE WITH ALL CITY ORDINANCES AND REGULATIONS.
3. THE CITY OF GAINESVILLE RESERVES THE RIGHT TO MODIFY THE PROPOSED WORK WITHIN THE RIGHT OF WAY TO ENSURE COMPATIBILITY WITH EXISTING IMPROVEMENTS.
4. THE CONTRACTOR IS RESPONSIBLE FOR ALL TRAFFIC CONTROL DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE EXISTING UTILITIES AND THE PROTECTION OF THE EXISTING SIDEWALKS AND CURBS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE EXISTING SIDEWALKS AND CURBS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE EXISTING SIDEWALKS AND CURBS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE EXISTING SIDEWALKS AND CURBS.
5. ALL EXISTING AND PROPOSED GRADES ARE REFERENCED TO NAVD DATUM (NAVD).
6. ALL PROPOSED PAVEMENT SHALL BE CLASS III REINFORCED CONCRETE UNLESS OTHERWISE NOTED. ALL PAVEMENT SHALL BE EXAMINED BY THE CITY INSPECTOR FOR CONFORMITY AT THE POINT OF DELIVERY.
7. GIVEN PILE LENGTHS ARE THE DISTANCE BETWEEN THE INTERIOR FACES OF THE PILES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE EXISTING AND PROPOSED GRADES AND THE DISTANCE BETWEEN THE INTERIOR FACES OF THE PILES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE EXISTING AND PROPOSED GRADES AND THE DISTANCE BETWEEN THE INTERIOR FACES OF THE PILES.
8. ALL CONCRETE USED SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS.
9. ALL EXCAVATIONS ARE TO CONFORM TO OSHA STANDARDS.
10. ALL EXPOSED STRUCTURES SHALL HAVE EDGES CHAMFERED 3/4" AND HAVE A CLASS I SURFACE FINISH.
11. ALL DISTURBED AREAS ARE TO BE SOLOPED IN PLACE OR SOLOPED NOTED. PLANNED END AND INTERIOR END SECTIONS CONCRETE SIDEWALKS AND DITCH BOTTOM DETAILS ARE TO BE SOLOPED ACCORDING TO FDOT INDEX 232 AND 251. ALL SOLO IS TO BE BRID-SOLOED.
12. CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION AND DEPTHS OF UNDERGROUND UTILITIES.
13. CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE GIVEN QUANTITY OF MATERIALS.
14. CONTRACTOR IS RESPONSIBLE FOR ALL OBSERVATION, TESTS AND RECORDS THAT MEET THE REQUIREMENTS OF THE CITY OF GAINESVILLE QUALITY STANDARDS (2004) DURING WORK. SUCH WORK IS TO BE IN ACCORDANCE WITH THE CITY OF GAINESVILLE QUALITY STANDARDS (2004) DURING WORK. SUCH WORK IS TO BE IN ACCORDANCE WITH THE CITY OF GAINESVILLE QUALITY STANDARDS (2004) DURING WORK. SUCH WORK IS TO BE IN ACCORDANCE WITH THE CITY OF GAINESVILLE QUALITY STANDARDS (2004) DURING WORK.

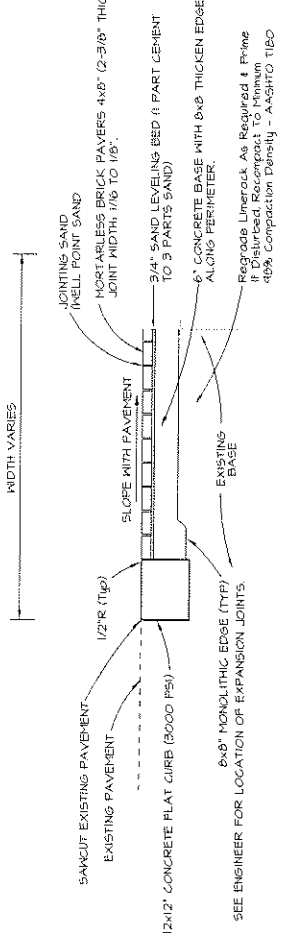
RON BARLOW, P.E.
 CIVIL & STRUCTURAL
 ENGINEERING
 4571 NW 18TH PLACE - GAINESVILLE, FL 32605
 (352) 398-6724, Mobile: 813

RON BARLOW PE 438402



PLAN VIEW OF BRICK CROSSWALK
NTS

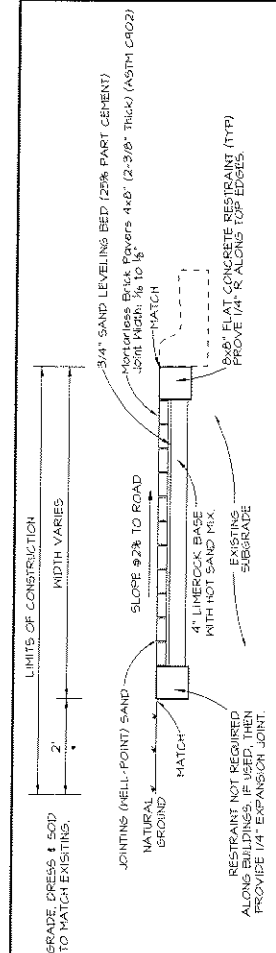
- NOTES:**
 - Brick Crosswalk To Be Paid Under Contract Unit Price Per Sq. Yd.
 - Mortar To Be Paid Under Contract Unit Price Per Sq. Yd. (C1272)
 - Flat Concrete Curb To Be Paid Under Contract Unit Price Per L.F. for Concrete
 - Flat Curb (C12127)



BRICK CROSSWALK SECTION
NTS

See Brick Paver Specifications in Contract Documents

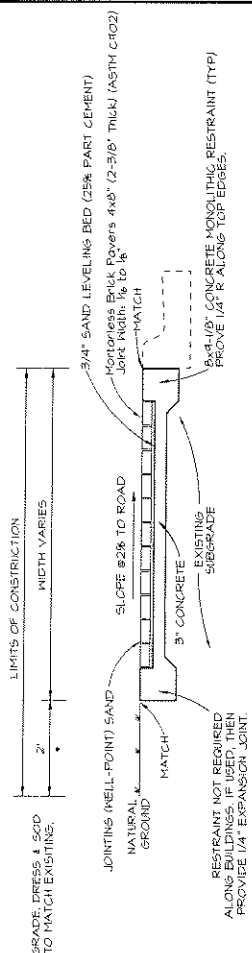
- INSTALL 12x12 FLAT CURB AT REQUIRED GRADE TO MATCH EXISTING GUTTERS.
 PROVIDE 1/2" JOINTS (TOOL ONLY) @ LANE LINES, AND 1/2" EXPANSION JOINTS @ GUTTERS.



BRICK SIDEWALK WITH LIMEROCK BASE
NTS

See Brick Paver Specifications in Contract Documents

- NOTES:**
 - SUBGRADE IS DISTURBED, THEN COMPACT TO MINIMUM 98% COMPACTION DENSITY (AASHTO T100).
 - COMPACT LIMEROCK BASE TO AT LEAST 98% COMPACTION DENSITY (AASHTO T100).
 - SEAL TOP SURFACE OF LIMEROCK BASE WITH HOT SAND MIX.
 - SEE ENGINEER FOR LOCATION OF CONSTRUCTION & EXPANSION JOINTS.



BRICK SIDEWALK WITH CONCRETE BASE
NTS

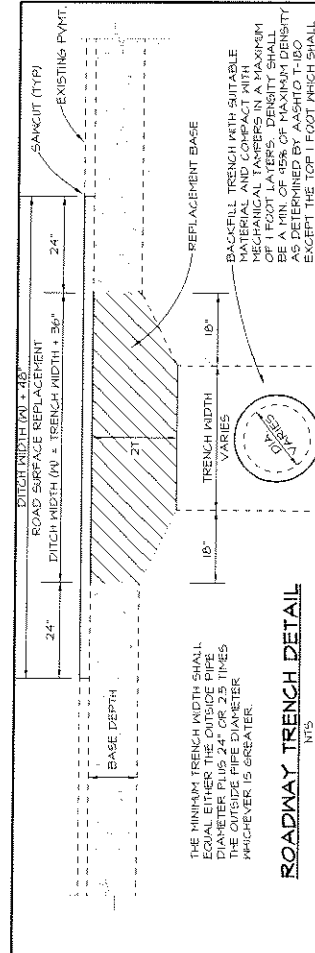
See Brick Paver Specifications in Contract Documents

- NOTES:**
 - COMPACT LIMEROCK BASE TO AT LEAST 98% COMPACTION DENSITY (AASHTO T100).
 - IF SUBGRADE IS DISTURBED, THEN COMPACT TO MINIMUM 98% COMPACTION DENSITY (AASHTO T100).
 - SEE ENGINEER FOR LOCATION OF CONSTRUCTION & EXPANSION JOINTS.

CLEARING & GRUBBING NOTES:

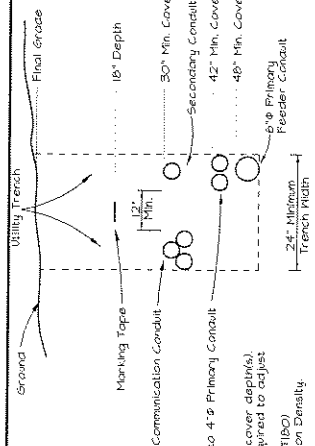
ITEM 9) SHALL BE PAID AT THE CONTRACT LUMP SUM (L.S.) PRICE AS FULL COMPENSATION FOR ALL WORK SPECIFIED IN THE CONTRACT. THIS PRICE INCLUDES ALL CLEARING AND GRUBBING REQUIRED FOR THE CONSTRUCTION OF THE ENTIRE STREETSCAPE PROJECT, INCLUDING ALL NECESSARY HAULING, FINISHING EQUIPMENT, EQUIPMENT OPERATION, FURNISHING ANY AREAS REQUIRED FOR DISPOSAL OF DEBRIS, LEVELING OF TERRAIN, AND ALL NECESSARY GRUBBING, ETC., AS SPECIFIED HEREIN EXCEPT FOR ANY AREAS DESIGNATED DEBARRED TO BE PAID FOR SEPARATELY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS UNDER THE CONTRACT. NOTE REMOVAL OF CURB & GUTTER, CONCRETE SIDEWALK AND PAVEMENT, ETC. REQUIRED FOR THE ENTIRE STREETSCAPE PROJECT IS INCLUDED IN THIS ITEM.

CONTRACTOR:		PROJECT:	
NAME	NO.	NAME	NO.
RON BARLOW, P.E.	FE 03400	CRA STREETSCAPE IMPROVEMENTS	
CIVIL & STRUCTURAL ENGINEERING		CONSTRUCTION DETAILS & NOTES	
4821 NW 18th PLACE - GAINESVILLE, FL 32609		DATE: 05/26/2011	
PHONE: 352-335-6724		DRAWING NO.: 070552	
FAX: 352-335-6724		SHEET NO.: 2 OF 11	



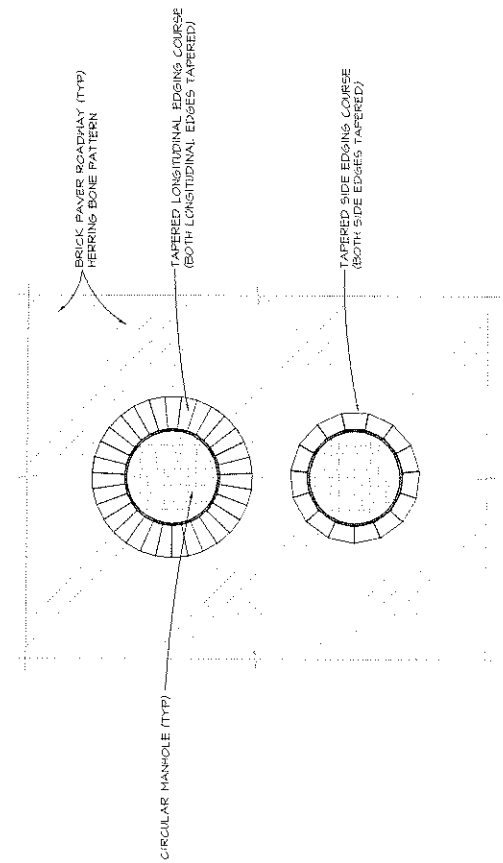
ROADWAY TRENCH DETAIL
NTS

- NOTES:**
- DITCH WIDTH SHALL EXTEND A MINIMUM OF 18" FROM THE EDGES OF THE TRENCH.
 - REPLACED BASE MATERIAL OVER TRENCH SHALL BE THICKER THAN THE ORIGINAL BASE (MINIMUM THICKNESS OF 8").
 - MINIMUM OF 80% OF MAXIMUM DENSITY AS DETERMINED BY AASHTO T-99.
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CONDUIT JOINT TRENCH DETAIL
NTS

- NOTES:**
- Excavate Trench for Main Conduit run.
 - Install Required Non-Conducting or Prescribed cover depth.
 - Backfill Trench with A-2-A3-A4 Material. Preliminary backfilling may be required to adjust JT condition to prescribed depth.
 - Normal Compaction Requirements (Min. 95% Compaction Density - AASHTO T100).
 - Transducers within 3' of Joint Edge and Crossings to have Min. 48" Compaction Density.
 - Secondary Conduit May Be Located to Same Depth as Primary Conduit.
 - Elbows to be metal (steel-galvanized/bimastic) per AECI Electric Specifications and details.
 - Termination of conduit runs to conform to GWS Energy Delivery Service Guide (1998).
 - The depth at which conduit runs are terminated will have to be deeper in order to accommodate the depth of the conduit.
 - The Contractor will not be responsible for providing warning tape and pull string for communication conduit runs.
 - Warning Tape for Main Conduit (1.5, 2, 2.5, 3, 4, 6') shall be paid at the contract unit price per linear foot (L.F.).
 - Warning Tape for Joint Trench Conduit (1.5, 2, 2.5, 3, 4, 6') shall be paid at the contract unit price per linear foot (L.F.). JT condition(s) are to be placed in the same excavated trench for main conduit run.



EDGING COURSES AROUND MANHOLES
NTS

- CONDUIT IDENTIFICATION**
- Conduits shall be marked with PVC sleeves 40' long.
 - Termination to be at least 12" above ground and away from Dust Tape.
 - 24" Sweep radius for 4 & 6" conduit is 40'. Radius for 2-3" conduit is 36".
 - Small section of PVC pipe may be required at sweep ends to achieve 12" height above grade.

- Notes:**
- Excavate Trench for Main Conduit run.
 - Install Required Non-Conducting or Prescribed cover depth.
 - Backfill Trench with A-2-A3-A4 Material. Preliminary backfilling may be required to adjust JT condition to prescribed depth.
 - Normal Compaction Requirements (Min. 95% Compaction Density - AASHTO T100).
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<p>PROJECT NO. 070552 SHEET NO. 8 OF 11</p>		<p>DATE: 11/14/2024 DRAWN BY: [Name] CHECKED BY: [Name]</p>		<p>PROJECT: CRA STREETScape IMPROVEMENTS CONSTRUCTION DETAILS & NOTES</p>	
<p>DESIGNER: RON BARLOW, P.E. CIVIL & STRUCTURAL ENGINEERING (952) 285-4724 / 6062872x 4821 NW 18th PLACE - GAINESVILLE FL 32608</p>		<p>PE 091600</p>		<p>SCALE: AS SHOWN</p>	

070552

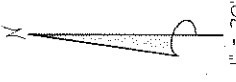
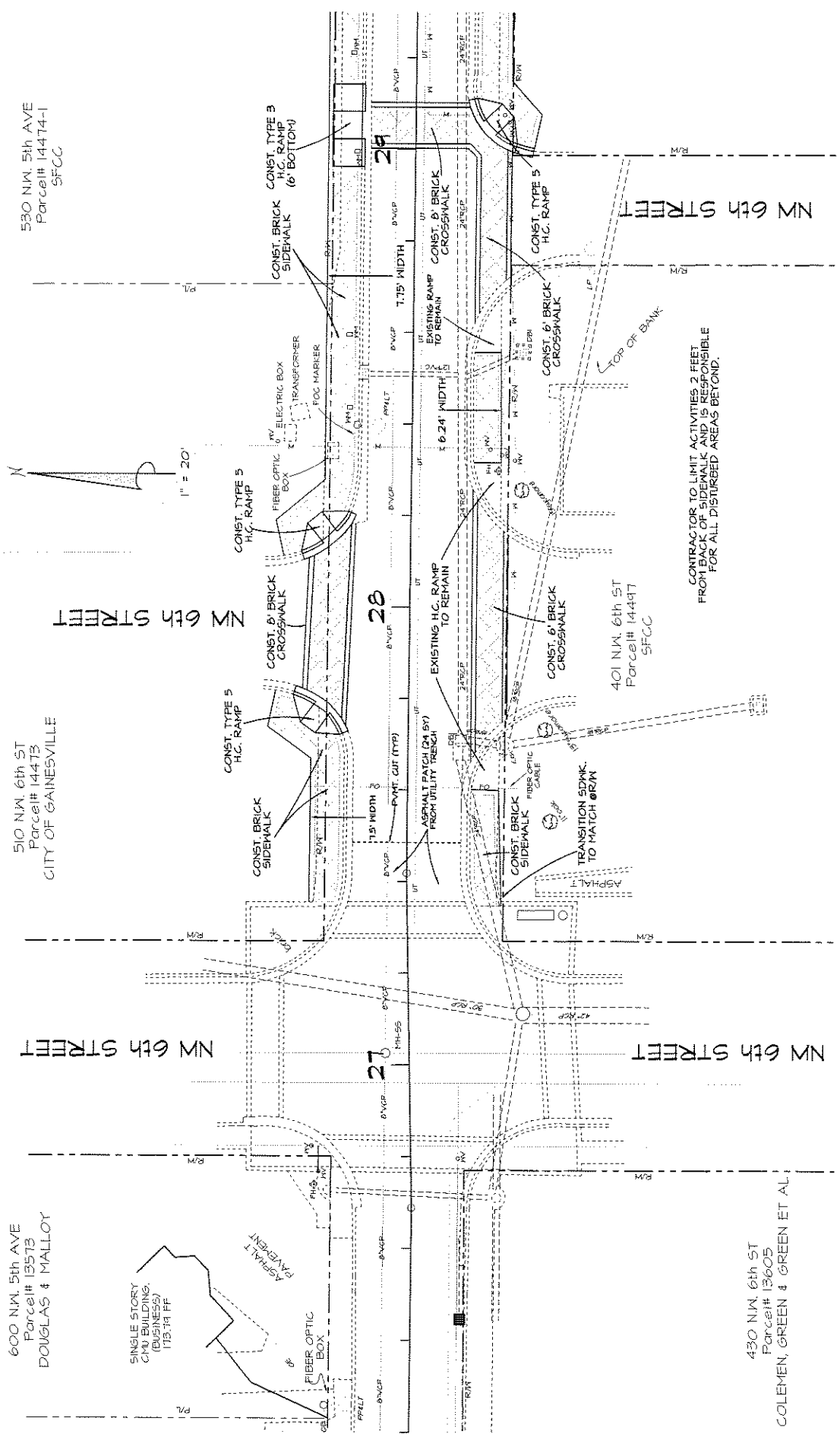
600 NW 5th AVE
Parcel# 13573
DOUGLAS & MALLOY

510 NW 6th ST
Parcel# 14473
CITY OF GAINESVILLE

530 NW 5th AVE
Parcel# 14474-1
SFCC

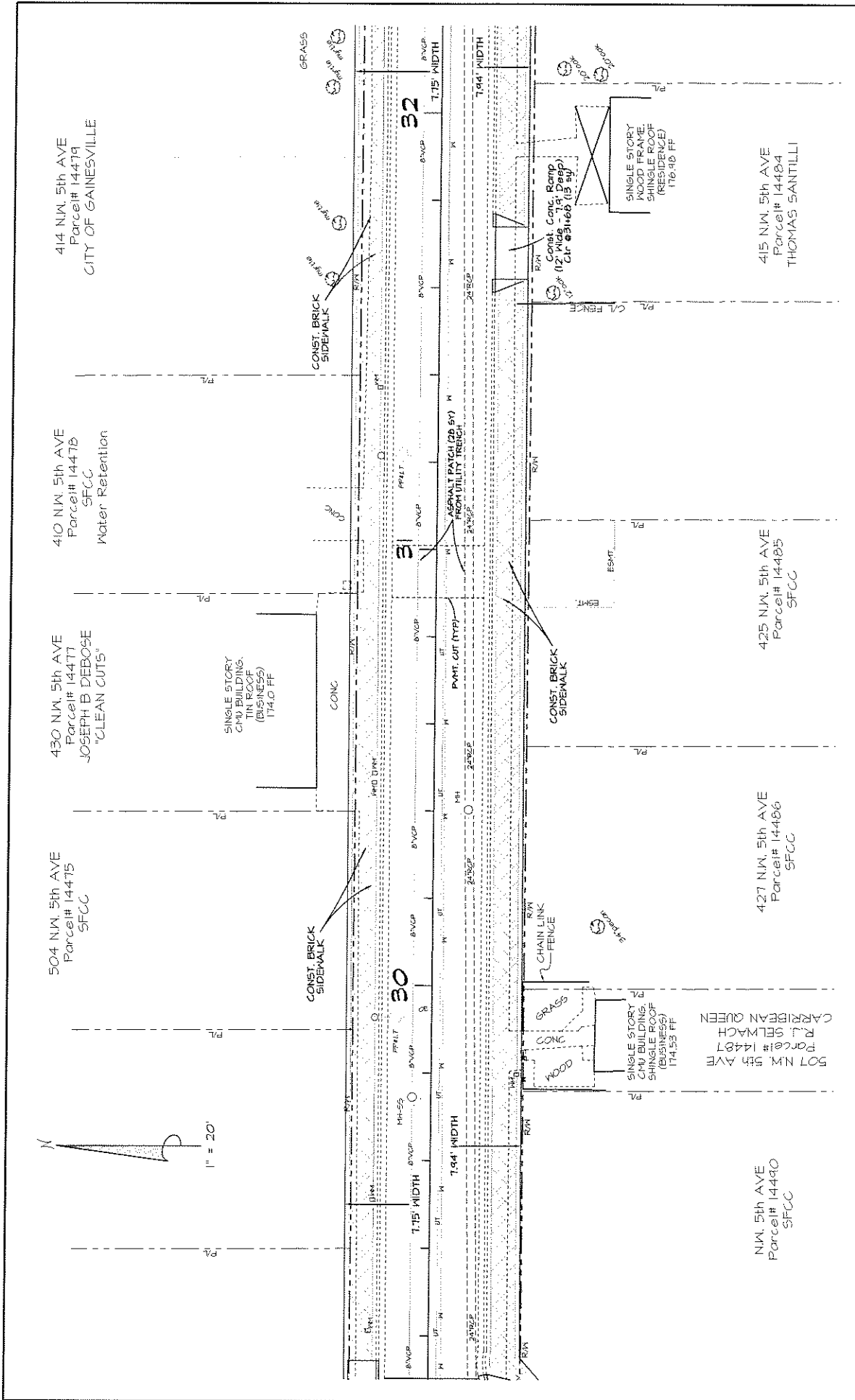
430 NW 6th ST
Parcel# 13605
COLEMAN, GREEN & GREEN ET AL

401 NW 6th ST
Parcel# 14497
SFCC



CONTRACTOR TO LIMIT ACTIVITIES 2 FEET FROM BACK OF SIDEWALK AND IS RESPONSIBLE FOR ALL DISTURBED AREAS BEYOND.

CONTRACTOR RON BARLOW, P.E. CIVIL & STRUCTURAL ENGINEERING 4821 NW 18th PLACE • GAINESVILLE, FL 32609 (352) 335-6174 Voice/Fax	SHEET NO. 1 OF 20 DATE 5-17-26	PROJECT NW 5th Avenue (300 - 600 BLK) CRA Streetscape Improvements
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<p>PROJECT NO: 070552 DRAWING NO: 070552 DATE: 5.11.11</p>	<p>SCALE: 1" = 20' SHEET NO: 1 OF 1 DATE: 5-11-11</p>	<p>PROJECT: NM 5th AVENUE (300 - 600 BLK) DESCRIPTION: CRA STREETSCAPE IMPROVEMENTS CLIENT: CITY OF GAINESVILLE</p>	<p>DESIGNED BY: RON BARLOW, P.E. CIVIL & STRUCTURAL ENGINEERING 452 NW 10th PLACE - GAINESVILLE, FL 32605 (952) 330-6724 voice fax</p>
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503 N.W. 4th St
Parcel# 14301
THOMAS SANTILLI

502 N.W. 4th St
Parcel# 14482
BARBARA & CLEVERN SHARPE
COMMERCIAL BUILDING "PLUMBERS"

408 N.W. 5th Ave
Parcel# 14460
CHAO-HUNG FENG

TWO STORY
WOOD FRAME
TIN ROOF
(RESIDENCE/BUSINESS)
171,46 SF

SINGLE STORY
WOOD FRAME
SHINGLE ROOF
(RESIDENCE)
177,00 SF

SINGLE STORY
WOOD FRAME
SHINGLE ROOF
(RESIDENCE)
174,00 SF

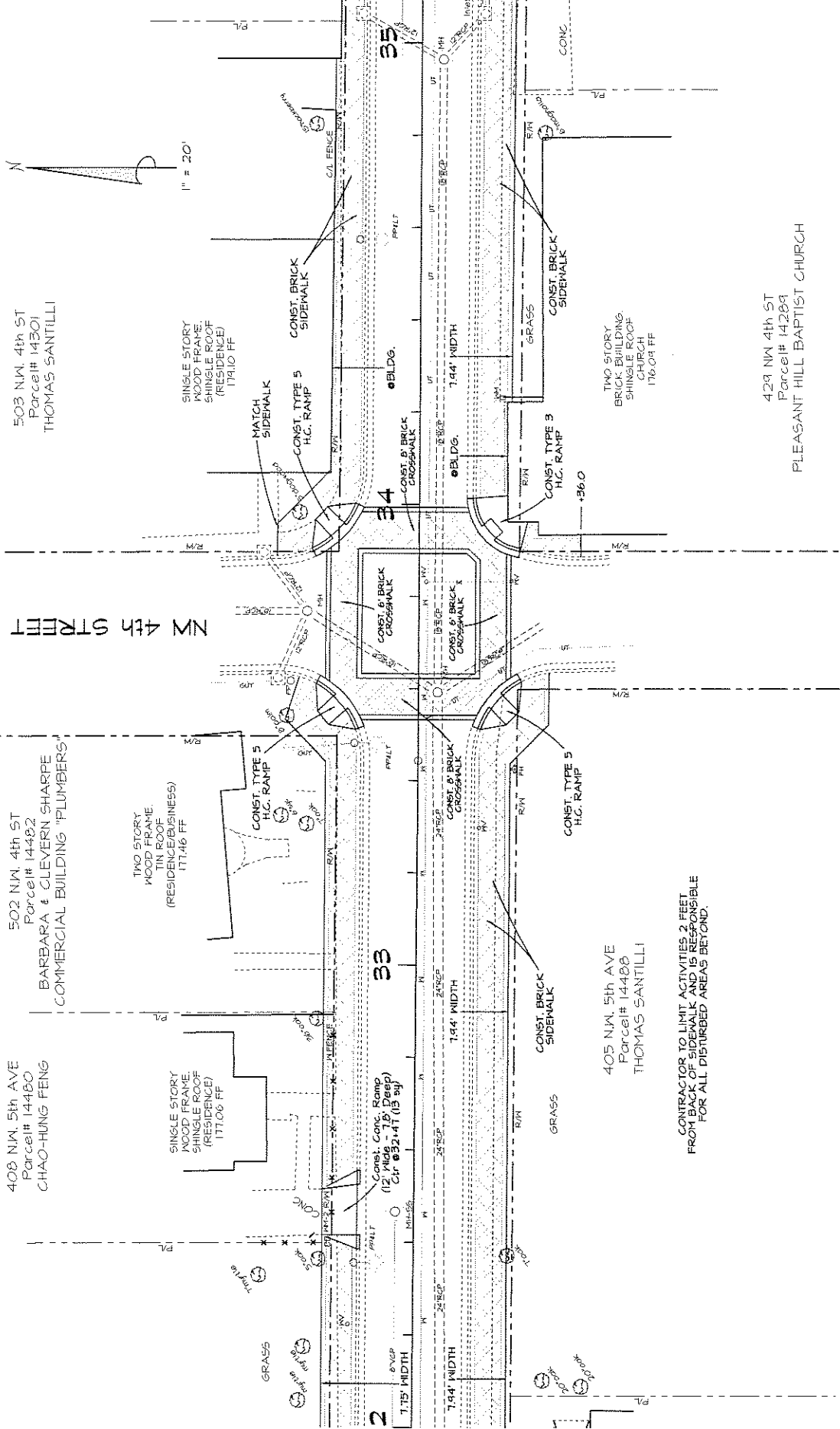
405 N.W. 5th Ave
Parcel# 14488
THOMAS SANTILLI

TWO STORY
BRICK BUILDING
SHINGLE ROOF
CHURCH
176,00 SF

423 N.W. 4th St
Parcel# 14289

PLEASANT HILL BAPTIST CHURCH

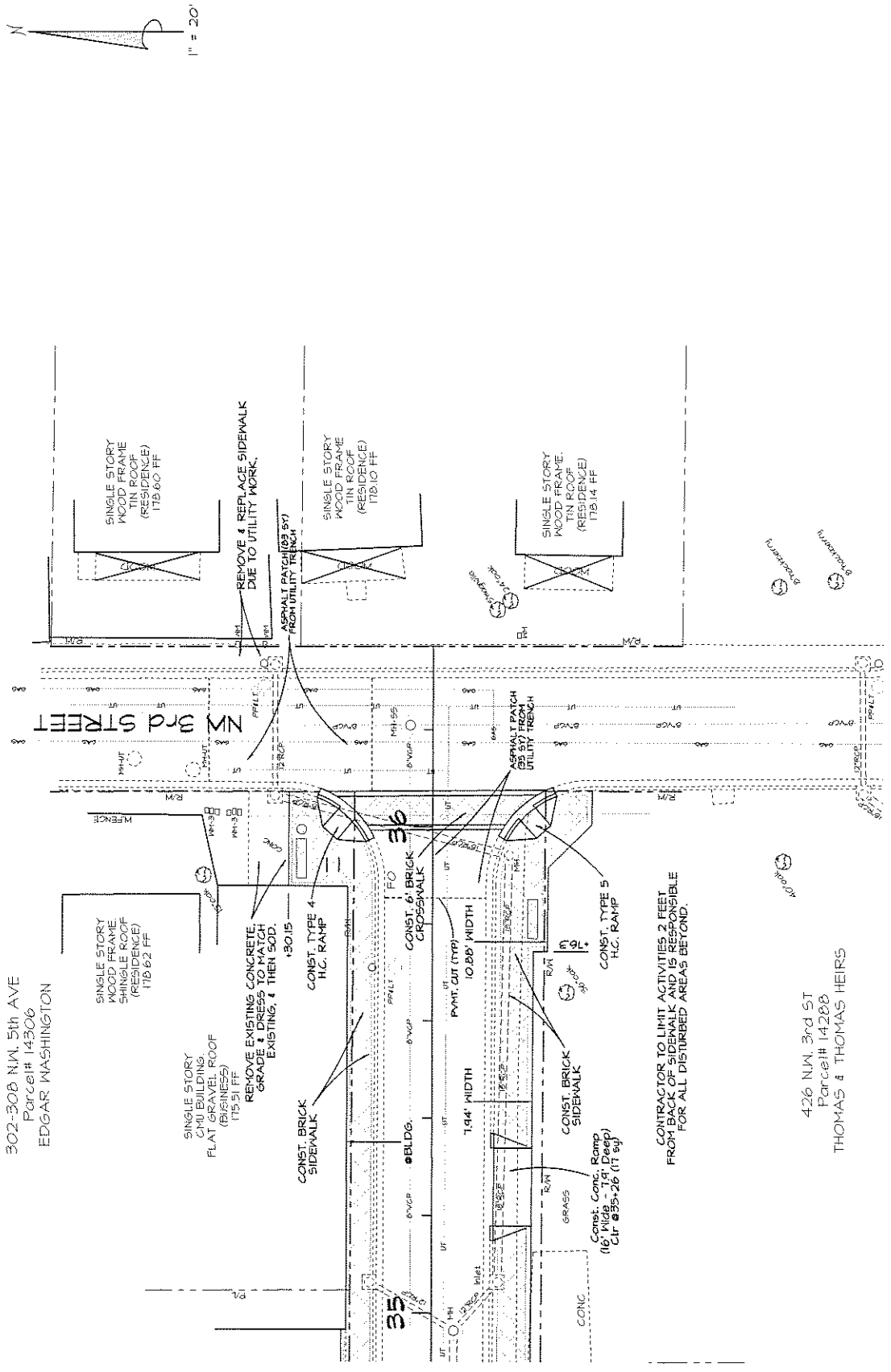
NW 4th STREET



CONTRACTOR TO LIMIT ACTIVITIES 2 FEET
FROM BACK OF SIDEWALK AND IS RESPONSIBLE
FOR ALL DISTURBED AREAS BEYOND.

CONTRACTOR NAME: RON BARLOW, P.E. LICENSE NO.: 1452 EXPIRES: 12/31/2025 ADDRESS: 4521 NW 10th Place - Gainesville, FL 32609 PHONE: (352) 338-6724 FAX: (352) 338-6724		PROJECT NAME: NW 5th Avenue (500 - 600 Blk) ADDRESS: CRA Streetscape Improvements DATE: 5/17/26	
SCALE SHEET: 1 OF 2		DATE SHEET: 1 OF 2	

302-308 N.W. 5th Ave
Parcel# 14306
EDGAR WASHINGTON



CONTRACTOR TO LIMIT ACTIVITIES 2 FEET FROM BACK OF SIDEWALK AND IS RESPONSIBLE FOR ALL DISTURBED AREAS BEYOND.

426 N.W. 3rd St
Parcel# 14288
THOMAS & THOMAS HEIRS

<p>PROJECT: 1" = 20'</p> <p>DATE: 02/26/08</p> <p>SCALE: NA</p> <p>DATE: 5-17-06</p>	<p>PROJECT: 1" = 20'</p> <p>DATE: 02/26/08</p> <p>SCALE: NA</p> <p>DATE: 5-17-06</p>	<p>PROJECT: 1" = 20'</p> <p>DATE: 02/26/08</p> <p>SCALE: NA</p> <p>DATE: 5-17-06</p>
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RON BARLOW, P.E.
CIVIL & STRUCTURAL
ENGINEERING
4321 NW 18th Place - Gainesville, FL 32605 (352) 335-8704 voicemail

FE #91400
FE #91400

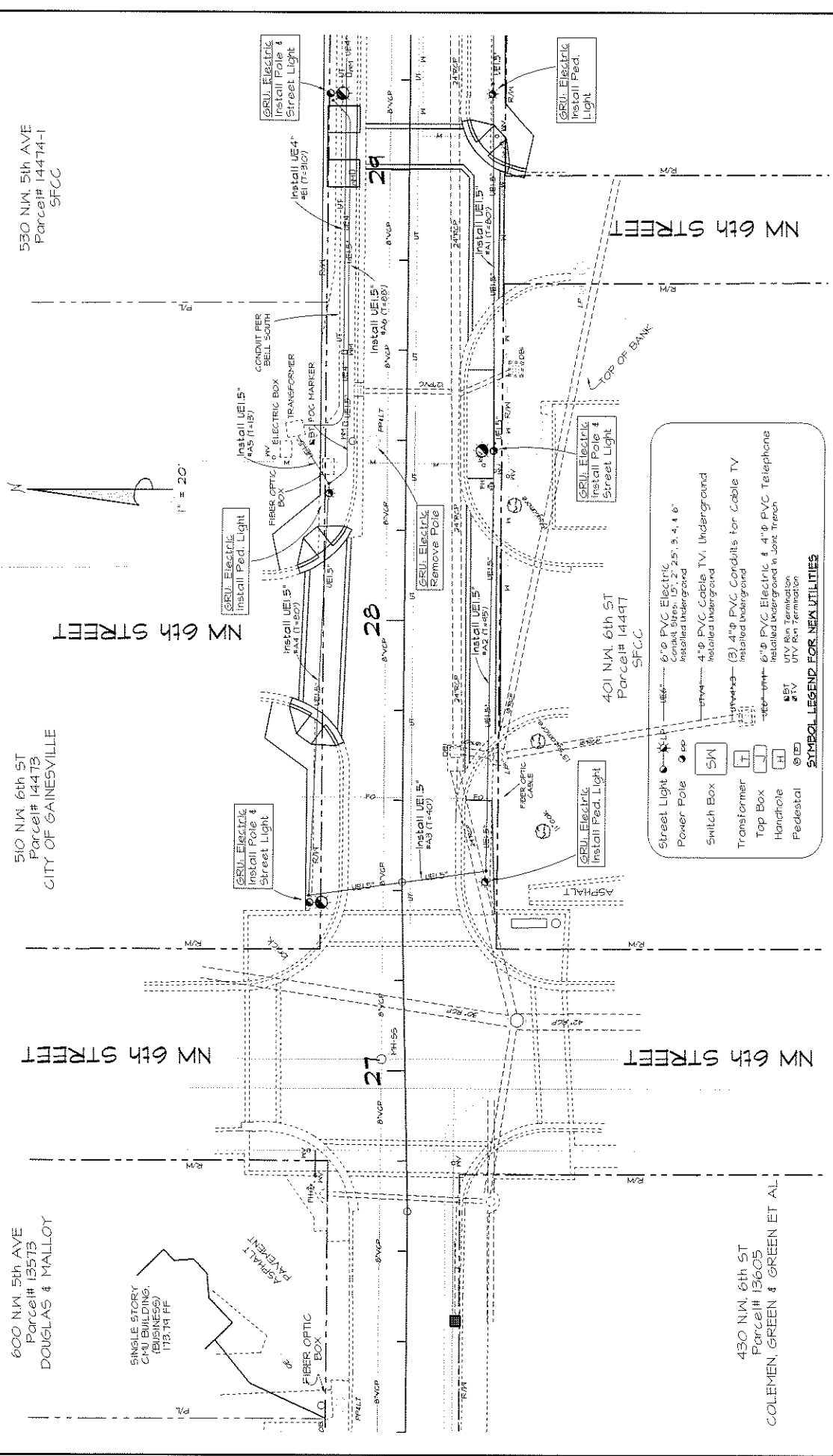
070552

600 NW 5th Ave
Parcel# 13573
DOUGLAS & MALLOY

SINGLE STORY
CNU BUILDING
(BUSINESS)
173.74 FF

510 NW 6th St
Parcel# 14473
CITY OF GAINESVILLE

530 NW 5th Ave
Parcel# 14474-1
SFCC



**401 NW 6th St
Parcel# 14497
SFCC**

6" Ø PVC Electric
Installed Underground

25' x 3' x 4' x 6"

4" Ø PVC Cable TV Underground
Installed Underground

(3) 4" Ø PVC Conduits for Cable TV
Installed Underground

6" Ø PVC Electric & 4" Ø PVC Telephone
Installed Underground in Joint Trench

UTV Run Termination
UTV Run Termination

BT
TV

SYMBOL LEGEND FOR NEW UTILITIES

Street Light
Power Pole
Switch Box
Transformer
Top Box
Handhole
Pedestal

PROJECT NO. 050457	DATE 11/11/06	SCALE 1" = 20'	PROJECT NAME NM 5th Avenue (500 - 600 BLK) UTILITY RELOCATIONS
DRAWN BY CDB/2	CHECKED BY CDB/2	DATE 5-11-06	PROJECT NO. 050457
DESIGNED BY RON BARLOW	DATE 5-11-06	PROJECT NAME NM 5th Avenue (500 - 600 BLK) UTILITY RELOCATIONS	PROJECT NO. 050457
PROJECT NO. 050457	DATE 5-11-06	PROJECT NAME NM 5th Avenue (500 - 600 BLK) UTILITY RELOCATIONS	PROJECT NO. 050457

RON BARLOW, P.E.
CIVIL & STRUCTURAL
ENGINEERING

4321 NW 15th Place - Gainesville, FL 32605
352-338-8724 Voice Fax

FE 191400
RON BARLOW

COLEMAN, GREEN & GREEN ET AL.

503 NW, 4th ST
Parcel# 14301
THOMAS SANTILLI

502 NW, 4th ST
Parcel# 14482
BARBARA & CLEVERN SHARPE
COMMERCIAL BUILDING "PLUMBERS"

408 NW, 5th AVE
Parcel# 14480
CHAO-HUN FENG

SINGLE STORY
WOOD FRAME
SHINGLE ROOF
(RESIDENCE)
17,110 FF

TWO STORY
WOOD FRAME
TIN ROOF
(RESIDENCE/BUSINESS)
17,146 FF

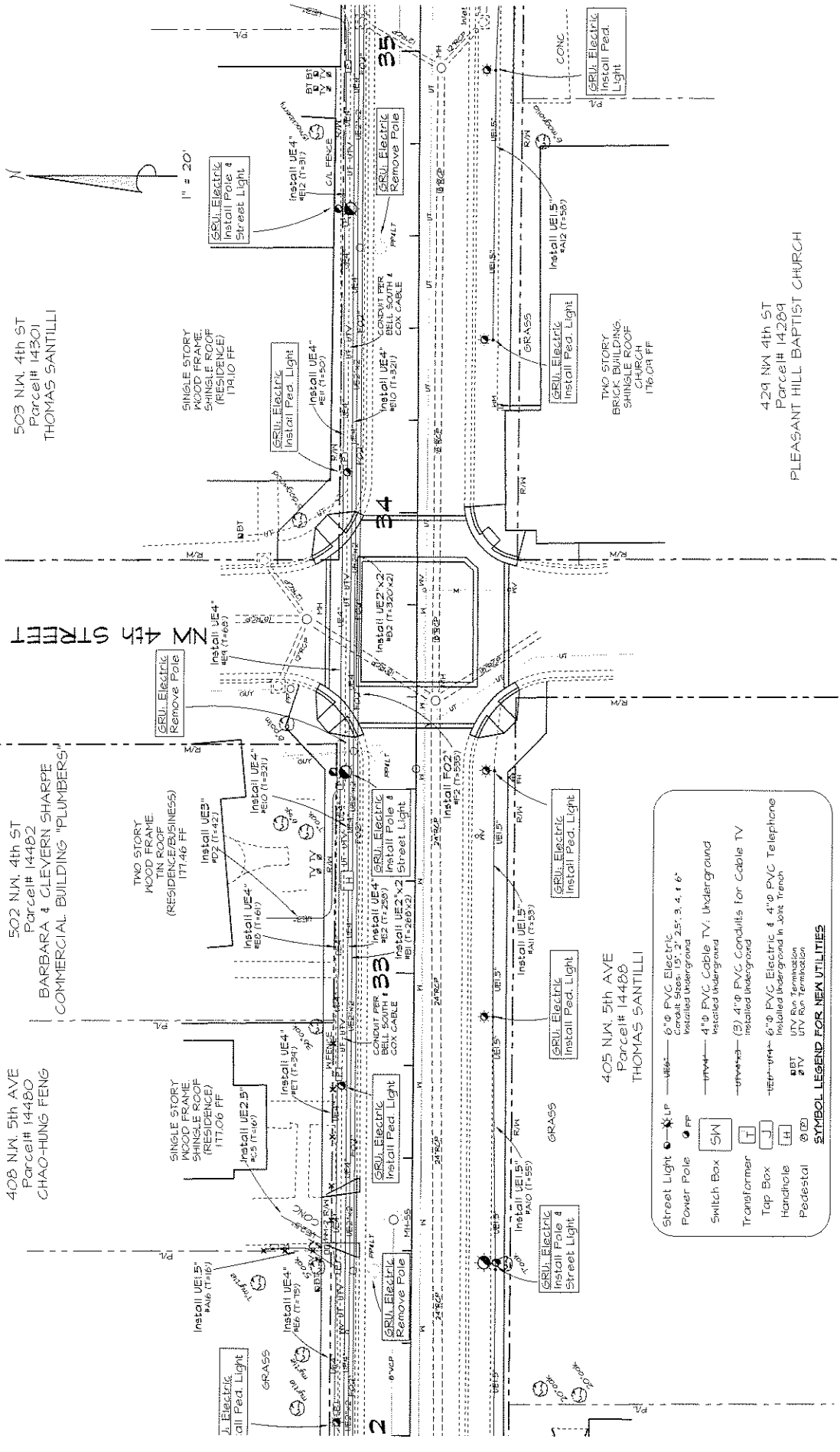
SINGLE STORY
WOOD FRAME
SHINGLE ROOF
(RESIDENCE)
17,106 FF

405 NW, 5th AVE
Parcel# 14488
THOMAS SANTILLI

424 NW, 4th ST
Parcel# 14284
PLEASANT HILL BAPTIST CHURCH

TWO STORY
BRICK BUILDING
SHINGLE ROOF
CHURCH
17,604 FF

NW 4TH STREET



SYMBOL LEGEND FOR NEW UTILITIES

- Street Light
- Power Pole
- Switch Box
- Transformer
- Tap Box
- Handhole
- Pedestal

6" PVC Electric Conduit Sizes: 1.5", 2", 2.5", 3", 4", 6"
Restricted Underground

4" PVC Cable TV, Underground
Restricted Underground

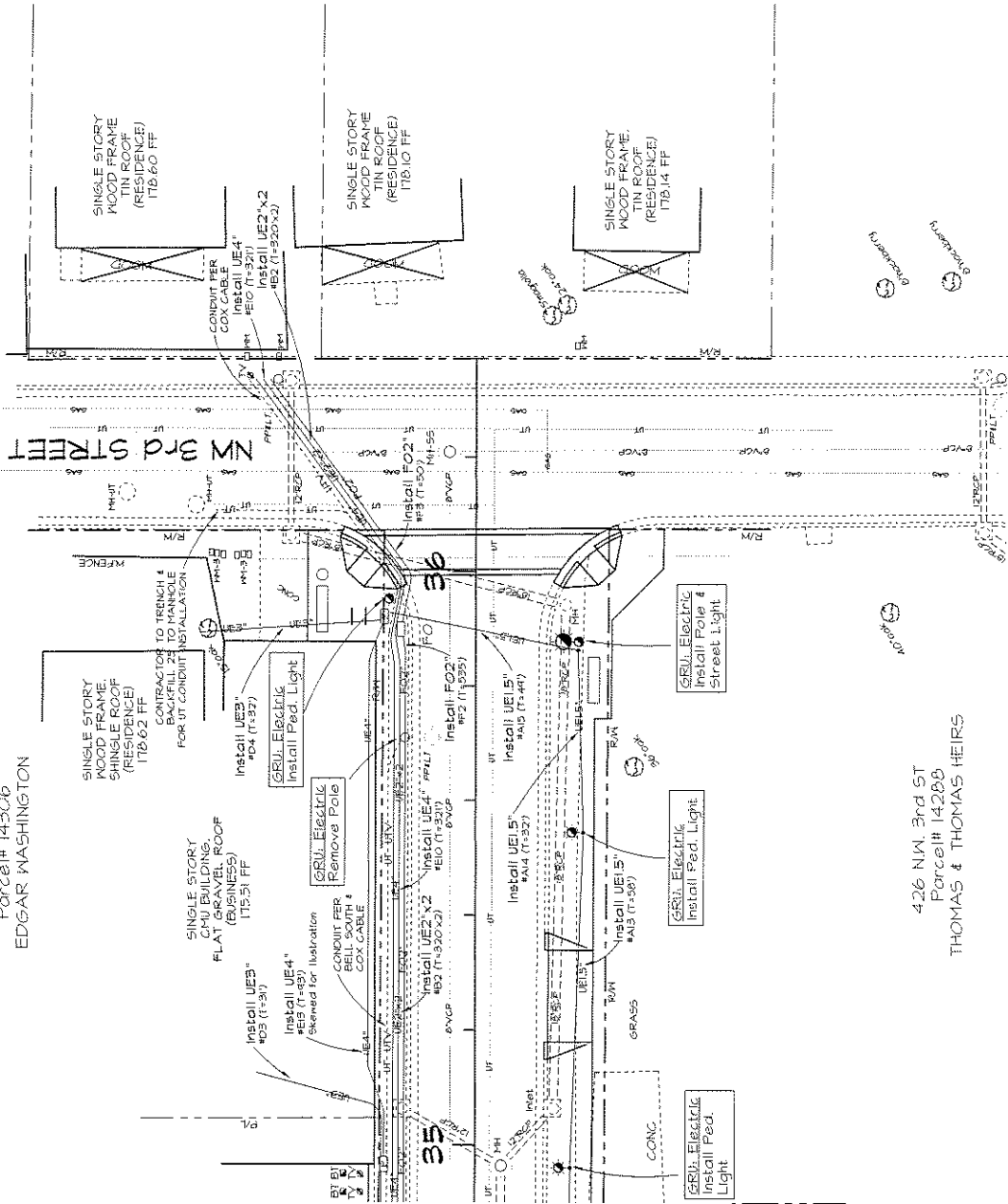
(3) 4" PVC Conduits for Cable TV
Installed Underground

6" PVC Electric & 4" PVC Telephone
Installed Underground in 30% Trench

UTV Run Termination
BBT

<p>RON BARLOW, P.E. CIVIL & STRUCTURAL ENGINEERING 4321 NW 18th PLACE • GAINESVILLE, FL 32605 (352) 335-6724 • FAX (352) 335-6724</p>		<p>DATE: 11-20-07 SCALE: 1" = 20' PROJECT NO.: NA SHEET NO.: 5-11-26 OF 11</p>
<p>424 NW 4th ST Parcel# 14284 PLEASANT HILL BAPTIST CHURCH</p>		<p>NA 5th AVENUE (300 - 600 BLK) UTILITY RELOCATIONS</p>

302-308 NW, 5th AVE
Parcel# 14306
EDGAR WASHINGTON



426 NW, 3rd ST
Parcel# 14288
THOMAS & THOMAS HEIRS

SYMBOL LEGEND FOR NEW UTILITIES

Street Light: Street Light
 Power Pole: Power Pole
 Switch Box: Switch Box
 Transformer: Transformer
 Top Box: Top Box
 Handhole: Handhole
 Pedestal: Pedestal

6" PVC Electric: 6" PVC Electric, 2.5" x 3, 4, 6"
 Installed Underground

4" PVC Cable TV: 4" PVC Cable TV: Underground
 Installed Underground

3" PVC Conduits for Cable TV: 3" PVC Conduits for Cable TV
 Installed Underground

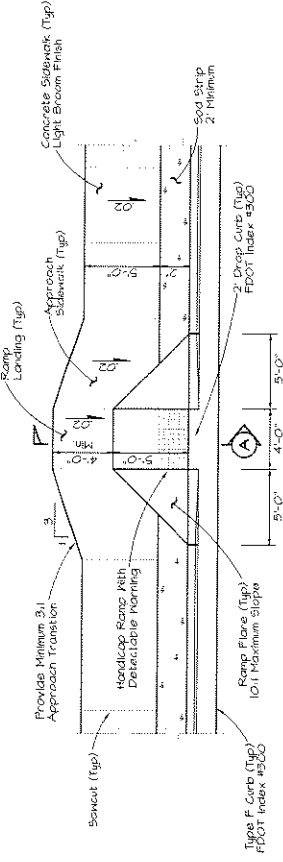
6" PVC Electric & 4" PVC Telephone: 6" PVC Electric & 4" PVC Telephone
 Installed Underground in Joint Trench

STV Run Termination: STV Run Termination
 STV Run Termination: STV Run Termination

RON BARLOW, P.E.
 CIVIL & STRUCTURAL
 ENGINEERING
 421 NW 9th Place - Gainesville, FL 32605 (352) 335-6724

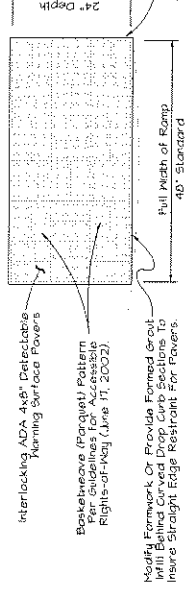
PROJECT: NW 5th Avenue (300 - 600 Blk)
 SCALE: 1" = 20'
 DATE: 11/27/11

PROJECT: NW 5th Avenue (300 - 600 Blk)
 SCALE: 1" = 20'
 DATE: 11/27/11



PLAN VIEW
HANDICAP RAMP TYPE #1
NTS

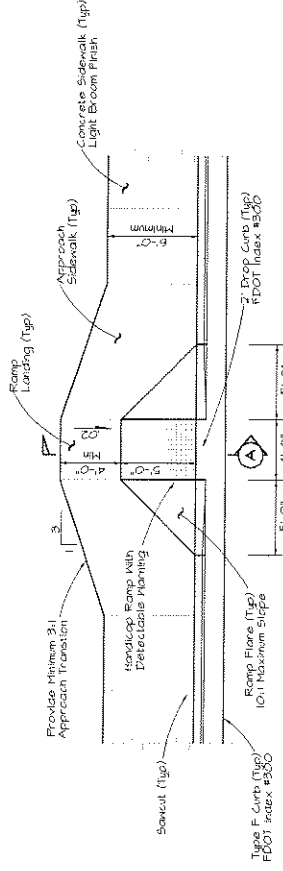
NOTE: Detectable Warning Color To Provide Light Contrast of 10% of Adjacent Sidewalk.



DETECTABLE WARNING DETAIL
NTS

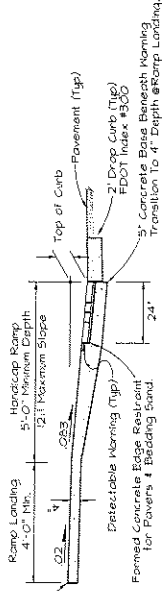
Detectable Warning Surface For The Ramps Shall Consist Of Interlocking 4x8" ADA Detectable Warning Surface Pavers Having A Minimum Depth of 2" With Raised Truncated Domes With A Diameter Of Nominal 0.4 inch (23 MP), And Center-to-Center Spacing Of Nominal 2.35 inches (60 mm). Concrete Pavers Shall Meet ASTM C932 (June 11, 2002) Color To Meet ADA Contract Requirements & Department Approval.

All Dies Shall Be Sound And Free Of Defects That Would Interfere With The Appearance Or Proper Placement Of The Mortar. Mortar Shall Be Immediately Removed And Replaced. The Pavers Shall Be Structurally Damaged During The Work Shall Be Immediately Removed And Replaced. The Pavers Shall Be Replaced With Back-to-Back Pavers. Pavers With The Finish Grade Of The Ramp Surface, And Have Gaps Between 1/16" and 1/8" inch. Cut Pavers (Masonry Saw Only) Shall Be No Smaller Than One-Third Of A Whole Paver.



PLAN VIEW
HANDICAP RAMP TYPE #2
NTS

REFLECTABLE MARKING
- Interlocking ADA-4x8" Detectable Warning Surface Pavers
- Interlocking ADA-4x8" Detectable Warning Surface Pavers with Cement (1-15" Depth),
- Jointing Sand



SECTION A

NOTES:
Subgrade To Consist Of Suitable A2-A3-A4 Soil Material Having A Minimum Compaction Density Of 98% (AASHTO T197).

Concrete To Have A Minimum 28 Day Strength Of 3000 psi. Concrete Ramp Surfaces To Have A Light Broom Finish (Refer To Detail 101) For The 12" Edge. Concrete To Be Placed On Detachable Warning.

The Bedding Shall Be Composed Of 3 Parts Sand, 1 Part Portland Cement, And Sufficient Water To Achieve A Consistent Plastic State. The Bedding Shall Be Placed On A Subgrade Of Suitable Material And Must Conform To The Grading Requirements Of ASTM C932. Bedding Shall Be Normal 1" Thickness, Not Exceeding 1-1/2". Do Not Use Bedding Sand To Fill Depressions In Base. Spread, Sweep, And Compact The Bedding. Bedding Shall Be Matted By Water (4:1) Full. Jointing Sand Shall Conform With ASTM C144, And Shall Also Be Free Of Soluble Salts Or Contaminates That Can Contribute To Efflorescence.

Ramps & Sidewalks Are To Access Pedestrian Push Buttons At Signalized Intersections. Ramps Transition To Drop Curb Shall Be Flush With No Abrupt Changes In Level. Gratings, Valve Boxes Or Utility Boxes Shall Not Be Located In The Ramp, Landing, Or Transition Area.



CITY OF GAINESVILLE
PUBLIC WORKS DEPARTMENT
P.O. Box 490, MS #3, Gainesville, Florida 32602
(352) 334-3072 ext. (352) 334-2663 fax

DATE	DESCRIPTION

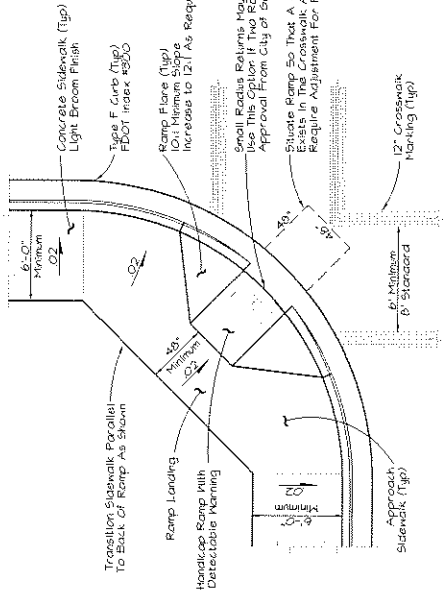
ACTIVITY	INITIALS	DATE
DESIGNED BY:	RB	12-10-03
DRAWN BY:	RB	
CHECKED BY:	RB	

APPROVED BY:	

REV No.	DESCRIPTION	INITIALS	DATE

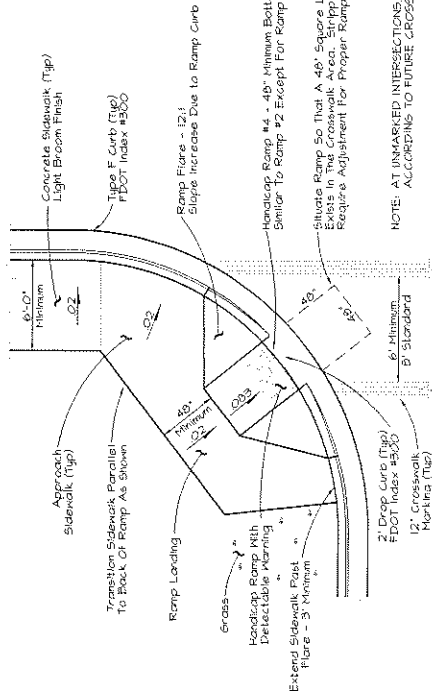
PROJECT NO.	
PROJECT NAME	
DRAWN BY	
CHECKED BY	
DATE	

HANDICAP RAMP FACILITIES
TYPICAL DETAIL DRAWINGS



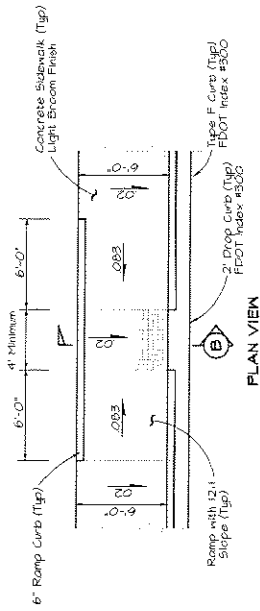
HANDICAP RAMP TYPE #4 @ SMALL RETURN RADII
NTS

SUBSTITUTE TYPE #3 RAMP WHEN RIGHT OF WAY, ROAD GEOMETRY AND/OR PHYSICAL OBSTRUCTIONS PROHIBIT CONSTRUCTABILITY OF TYPE #4



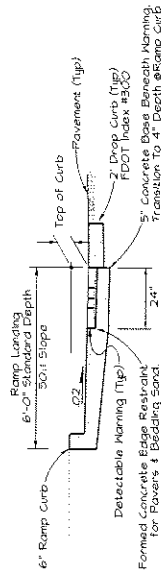
HANDICAP RAMP TYPE #5 @ PARALLEL CROSSWALKS
NTS

NOTE: AT UNMARKED INTERSECTIONS PROPERLY ALIGN RAMP ACCORDING TO FUTURE CROSSWALKS.

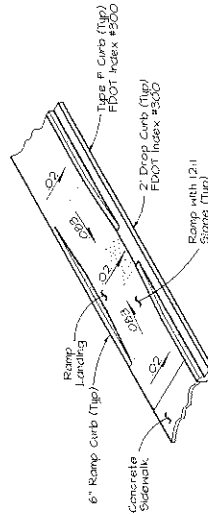


HANDICAP RAMP TYPE #3
NTS

- Interlocking ADA-448" Detectable Marking Surface Pavers
- Bedding Sand with Cement (in 15" Depth)
- Jointing Sand



SECTION (B)



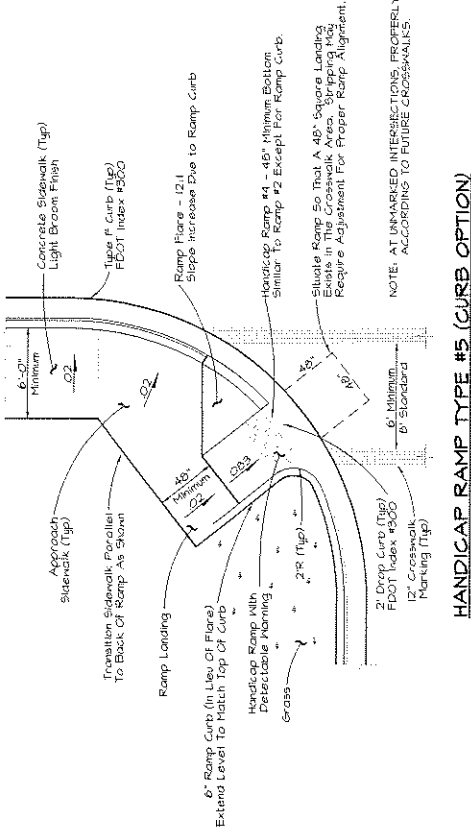
ISOMETRIC VIEW

REV No	DESCRIPTION	DATE	INITIALS	APPROVED BY:	DATE	ACTIVITY:	INITIALS	DATE	REVISION	DATE	INITIALS	DATE	DESCRIPTION
						DESIGNED BY:	RB	12-08-03					
						DRAWN BY:	RB						
						CHECKED BY:	RB						

CITY OF GAINESVILLE PUBLIC WORKS DEPARTMENT P.O. Box 490, MS #2, Gainesville, Florida 32602 (352) 334-3072, Voice (352) 334-2033 Fax	CONTRACT NO. NA	STREET TEST NA	DATE 12-07-03

PROJECT No.	DATE	PROJECT	SHEET
			12 of 19

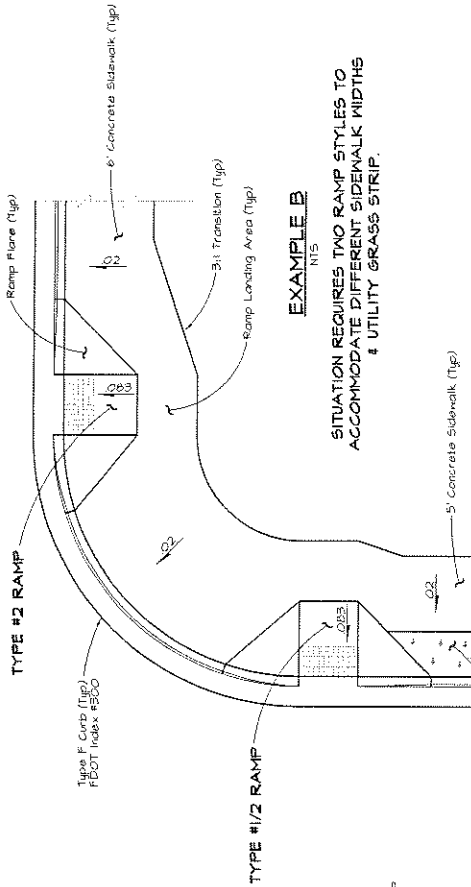
HANDICAP RAMP FACILITIES
TYPICAL DETAIL DRAWINGS



HANDICAP RAMP TYPE #5 (CURB OPTION)
N15

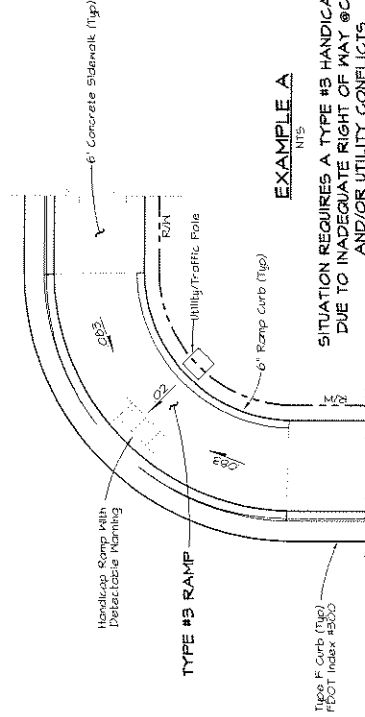
6" RAMP CURB CAN SUBSTITUTE FOR RAMP FLARES AT LOCATIONS TO ACCOMMODATE UTILITY CONFLICTS AND/OR RIGHT OF WAY DEFICIENCIES.

NOTE: AT UNMARKED INTERSECTIONS, PROPERLY ALIGN RAMP ACCORDING TO FUTURE CROSSWALKS.



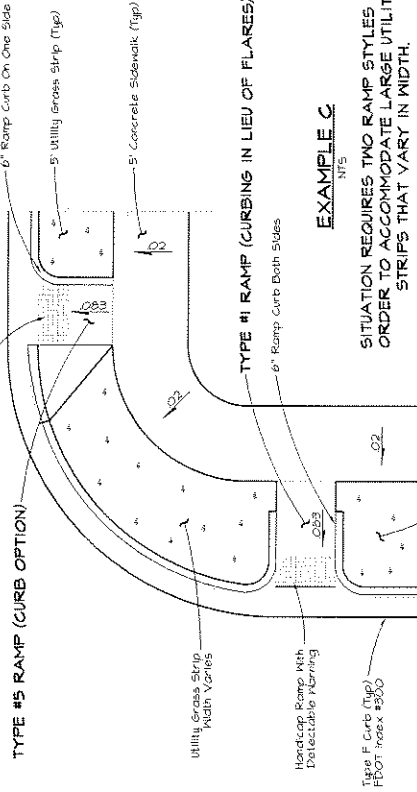
EXAMPLE B
N15

SITUATION REQUIRES TWO RAMP STYLES TO ACCOMMODATE DIFFERENT SIDEWALK WIDTHS & UTILITY GRASS STRIP.



EXAMPLE A
N15

SITUATION REQUIRES A TYPE #3 HANDICAP RAMP DUE TO INADEQUATE RIGHT OF WAY @ CORNER AND/OR UTILITY CONFLICTS.



EXAMPLE C
N15

SITUATION REQUIRES TWO RAMP STYLES IN ORDER TO ACCOMMODATE LARGE UTILITY STRIPS THAT VARY IN WIDTH.

REV. NO.	DESCRIPTION	DATE	INITIALS

APPROVED BY:	DATE	ACTIVITY	REVISIONS	DATE
		DESIGNED BY: [Signature]	RD	12-08-08
		DRAWN BY: [Signature]	RB	
		CHECKED BY: [Signature]	RB	

CITY OF GAINESVILLE PUBLIC WORKS DEPARTMENT P.O. Box 4830, 4830 NE 15th Street, Gainesville, FL 32602 (352) 334-5072 ext. (352) 334-2523 Fax		DRAWING NO. N15 SHEET NO. N15 DATE 12-08-08	
HANDICAP RAMP FACILITIES TYPICAL DETAIL DRAWINGS			