

COMMONWEALTH OF KENTUCKY
TRANSPORTATION CABINET
UTILITY RELOCATION
KEEP COST AGREEMENT
PURSUANT TO KRS 179.265

COUNTY, FEDERAL NUMBER: Fayette, STPM 8591 (003)
UPN FD52 C-040073306
PROJECT NAME: Liberty/Todds Road Project Section 2
ITEM NO. 07-225.00

THIS UTILITY RELOCATION AGREEMENT is made and entered into by and between the Lexington Fayette Urban County Government, hereinafter called LFUCG, and *Columbia Gas of Kentucky, 2001 Mercer Road, Lexington, KY 40512*, hereinafter referred to as *CKY*.

AGREEMENT PREMISES

1. The LFUCG, in the interest of public safety and convenience, proposes to widen and reconstruct *Todds Road* from *0.2 miles south of Andover Forest Drive/Forest Hill Drive to I-75*, a distance of approximately *1.5* miles as shown by the LFUCG's survey and general plan sheets, which are hereby made a part of this Agreement.
2. The subject project was authorized by TC 10-1, Official Order Authorization No. **73179 003**, dated **October 14, 2013**, subject to appropriate reimbursement by the Federal Highway Administration or LFUCG, which as pertains to this Agreement is in the amount of **\$159,207**.
3. The right of way for the proposed roadwork for *Todds Road* will pass over and include certain *Columbia Gas of Kentucky* facilities constructed and now maintained by *CKY*.

4. The said facilities will be relocated as designed by **CKY** and shown on the LFUCG's survey and general plan sheets.
5. The said facilities may be relocated upon highway right of way, with restrictions, or upon other private right of way to be obtained by **CKY** or obtained by the LFUCG and granted to **CKY**.
6. If required and applicable, the LFUCG will recommend approval of this project to the Federal Highway Administration for construction with funds apportioned to the LFUCG under the Federal Aid Highway Program, and Acts amendatory thereof and supplementary thereto, including Subpart A of 23 Code of Federal Regulations (CFR) 645.
7. **CKY** is authorized herein to make the necessary removal, alterations or adjustments of its existing facilities with **CKY**'s regular engineering, construction, and maintenance forces. Said work is to be reimbursed with *ninety one and forty three hundredths (91.43)* Percent of the costs to be borne by the LFUCG and *eight and fifty seven hundredths (8.57)* Percent of the costs to be borne by **CKY**.
8. If **CKY** chooses to use a contractor or a subcontractor, **CKY** is required to obtain prior LFUCG approval in writing pursuant to 23 CFR 645.109(a) and 23 CFR 645.115(a). The LFUCG reserves the right to refuse reimbursement for any and all costs associated with work performed by a contractor or subcontractor prior to their approval by the LFUCG. The LFUCG is hereby held harmless from all actions taken by a contractor or subcontractor related to **CKY**'s failure to acquire

said approvals. Said work is to be paid under a contract let by **CKY**, adhering to the cost share stipulations described herein.

The remainder of this page is intentionally left blank.

SCOPE OF AGREEMENT

In consideration of the premises, the parties agree as follows:

9. **CKY**, with its regular construction or maintenance personnel, and/or with an approved contractor or subcontractor, will furnish all construction labor, equipment and materials to make and complete all necessary adjustments of its facilities to accommodate the proposed highway construction as shown in the attached plans and estimate, (Attachment A) and which by this reference is hereby made a part of this Agreement.
10. The estimated cost of relocating and/or adjusting on private right of way, (*See attachment for listing of reimbursable existing facilities*) is **\$145,561**, which is *ninety one and forty three hundredths (91.43)* Percent of the total cost (**\$159,207**) and is to be borne by the LFUCG as shown by the estimate attached hereto, shown in Attachment A.
11. If **CKY** proposes to include betterment in this Agreement, all work directly pertaining to said betterment if any, is detailed in Attachment A and is not reimbursable.
12. The scope of work to be completed under this Agreement is listed in the attachment titled *Listing of Total Work Proposed*.
13. Once **CKY** receives the authorization by the LFUCG to begin work, **CKY** estimates that it will take approximately *thirty five (35)* working days to complete the relocation of the facilities.

14. **CKY** shall submit any change orders necessary to the LFUCG for consideration and approval before initiation of the work detailed in said change order. A change order shall be considered in the event there is a change in the scope of work, extra work to be performed, or other major changes in the work covered by this Agreement. Said change order must be reasonably detailed and include proper itemizations from **CKY**, computed in accordance with the methods and procedures set forth in Subpart A of 23 CFR 645. If **CKY** fails to obtain prior approval of a change order from the LFUCG, the LFUCG has the right to refuse reimbursement of expenditures for such change order.
15. **CKY** shall be reimbursed only for the cost of constructing the most economical type of facilities that satisfactorily meet the service requirements of the former facilities, previously located outside of public right of way. A certification to this effect shall be included in submittals for reimbursement for work performed and actual costs incurred.
16. On any relocation project, all work within the limits of the LFUCG's right-of-way, whether by force account or contract, shall be done in accordance with the Cabinet's Standards, Specifications, and Standard Drawings. All traffic control will be in accordance with Part VI of the *Manual on Uniform Traffic Control Devices*. Backfilling and bedding, if required and/or necessary, will be performed in accordance with the most recent version of the Roadway Drainage Installations (RDI) section of the Cabinet's *Division of Highway Design Standard Drawings*. Surface restoration, if required, will be performed in accordance with details as

shown in the most recent version of the Cabinet's Standard Specifications for Road and Bridge Construction and the *Permits Manual*, or as directed by the LFUCG's engineer.

17. On any relocation project, the vertical clearance of overhead utilities shall be a minimum of eighteen (18) feet or in no case less than the clearance required by the National Electric Safety Code, American National Standards Institute, Institute of Electrical & Electronic Engineers, Inc.
18. On any relocation project, the vertical clearance of overhead utilities crossing the interstate or other limited access highway, roadways, and ramps shall be a minimum of twenty-four (24) feet as determined by the LFUCG, but in no case less than the clearance required by the National Electric Safety Code, American National Standards Institute, Institute of Electrical & Electronic Engineers, Inc.
19. The minimum depth for underground utilities on minor arterial routes is thirty six (36) inches under roadways, shoulders, ramps, and ditch lines and thirty (30) inches in all other areas within right-of-way. Exceptions may be made where a lesser depth will not interfere with the highway maintenance or safety. Exceptions shall include an engineering study that will be prepared and submitted by the permittee and approved by the LFUCG's engineer.

RESPONSIBILITIES OF LFUCG

20. The LFUCG will reimburse **CKY** for the actual cost of the work upon presentation of invoices from **CKY**. **CKY** will compute costs by and in accordance with the

methods and procedures set forth in Subpart A of 23 CFR 645. The method of developing the relocation costs is found in 23 CFR 645.117.

21. Itemized bills from **CKY** will be in detail form that will meet the approval of the LFUCG and the Federal Highway Administration.

**Payments will be made on the following basis
in accordance with 23 CFR 645.117:**

Current Billings. **CKY** may submit current billings reflecting the actual cost incurred during any given work period, in which case, the current billings will be paid within thirty (30) business days after receipt of same by the LFUCG.

Final Payment. Upon completion of all said work and the submission of final itemized invoices and as-built drawings, **CKY** shall provide one final and complete billing of all remaining costs incurred, within one year following completion of the utility relocation work performed by **CKY** pursuant to this Agreement, otherwise previous payments to the utility shall be considered final, except as agreed to between the LFUCG and **CKY**. The final billing will be forwarded for payment after review and approval of the Engineer and submitted to the Division of Engineering, it being understood, however, that the billings are subject to audit and verification by the KYTC, LFUCG and/or the Federal Highway Administration.

ADDITIONAL REQUIREMENTS

22. The LFUCG certifies that it is in compliance with the provisions of KRS 45A.695. "Access to contractor's books, documents, papers, records, or other evidence directly pertinent to the contract." The contractor, as defined in KRS 45A.030(9) agrees that the contracting agency, the Finance and Administration LFUCG, the Auditor of Public Accounts, and the Legislative Research Commission, or their duly authorized representatives, shall have access to any books, documents, papers, records, or other evidence, which are directly pertinent to this Agreement for the purpose of financial audit or program review. Records

and other prequalification information confidentially disclosed as part of the bid process shall not be deemed as directly pertinent to the Agreement and shall be exempt from disclosure as provided in KRS 61.878(1)(c). *CKY* also recognizes that any books, documents, papers, records, or other evidence, received during a financial audit or program review shall be subject to the Kentucky Open Records Act, KRS 61.870 to 61.884

23. In the event of a dispute between the contractor and the contracting agency, Attorney General, or the Auditor of Public Accounts over documents that are eligible for production and review, the Finance and Administration LFUCG shall review the dispute and issue a determination, in accordance with Secretary's Order 11-004. (See attachment)
24. All records of *CKY* pertaining to this project will be subject to inspection at any reasonable time by representatives of the LFUCG and/or the Federal Highway Administration, and shall be retained and maintained as prescribed in 23 CFR 645.117 (i)(3) and 49 CFR 18.42- *Retention and Access Requirements for Records*.
25. Execution of this Agreement and issuance of a LFUCG Permit number hereon is conditioned upon the acceptance of and agreement to the standard terms and conditions of the Cabinet Encroachment Permit (TC99-1) form revision in effect at the time of the execution of this Agreement, and this Cabinet Encroachment Permit (TC99-1) form revision is made a part of this agreement by this reference.

26. The work of altering and maintaining **CKY**'s facilities covered by this Agreement, at any time after they have been relocated by **CKY** as herein provided, shall be done by **CKY** at its sole expense except as may otherwise be provided by law. Such work as is necessary to install, alter, service and maintain any facilities within the LFUCG's right of way will be performed in accordance with policies and procedures prescribed by the Cabinet's Permits Manual and in such a manner as will ensure the safety of the general public. Access from the through-traffic roadways and ramps for maintenance or servicing of utility facilities located on the LFUCG's right of way requires an encroachment permit except by permission of the District Engineer in an emergency situation.
27. **CKY** shall comply with the 18 United States Code (U.S.C.) 874 Copeland "Anti-Kickback" Act as supplemented in Department of Labor regulations (29 CFR Part 3).
28. It is agreed by and between the parties hereto that 23 CFR 645 and supplements and amendments thereto form an essential part of this Agreement, and shall in no way be abrogated or superseded by the terms and provisions of this Agreement.
29. Limited to acts related to this Agreement, **CKY** agrees to indemnify and hold harmless the LFUCG against any and all third-party claims, demands, obligations, or litigation, that result from: (1) any material breach of this Agreement by **CKY**; (2) any and all negligent acts of **CKY**; and (3) any policy, procedure, or employment practice of **CKY** violating applicable, Federal, State, or local laws.

30. **CKY** shall maintain adequate protection of all work from damage and shall protect the LFUCG's property from injury or loss arising in connection with this Agreement. **CKY** shall make good any such damage, injury or loss, except such as may be directly caused by agents or employees of the LFUCG. **CKY** shall adequately protect adjacent property as provided by law and this Agreement.
31. **CKY** shall take all necessary precautions for the safety of employees on the work site and shall comply with all applicable provisions of Federal, State and municipal safety laws and building codes to prevent accidents or injury to persons on, about or adjacent to the premises where the work is being performed. **CKY** shall comply with all applicable Federal and State Occupational Safety and Health Administration (OSHA) standards including 23 CFR 634 and Kentucky Revised Statutes (KRS) Chapter 338.
32. KRS 45A.480 requires **CKY** to comply with the LFUCG's requirements pertaining to workers' compensation insurance and unemployment insurance. By execution of this agreement, **CKY** agrees that all contractors and subcontractors employed, or to be employed in connection with this Agreement shall be in compliance with Kentucky requirements for Workers' Compensation Insurance KRS Chapter 342 and Unemployment Insurance KRS Chapter 341.
33. By execution of this Agreement, **CKY** is agreeing that the scope of this Agreement shall be in compliance with all applicable Federal, State and local laws, regulations and mandates. Compliance as described herein includes, but not exclusively, environmental regulations such as: Section 306 of the Clean Air Act

(42 U.S.C. 1857(h)); Section 508 of the Clean Water Act (33 U.S.C. 1368); Executive Order 11738; and Environmental Protection Agency regulations (40 CFR Part 15).

34. To the extent applicable to this agreement, **CKY** shall comply with the Buy America requirements (as specified in 23 U.S.C. 313 and 23 CFR 635.410) if the utility work uses any amount of Federal Aid Highway Program (FAHP) funding. **CKY** is not required to change its existing standards for materials as long as the Buy America requirements are met. Buy America requirements take precedence over regulations pertaining to the accommodation or relocation of **CKY's** facilities (as specified in 23 CFR 645) on contracts or agreements involving FAHP funding and over regulations which allow **CKY** to furnish materials from company stock (as specified in 23 CFR 645.117(e)). Company stock materials that do not meet Buy America requirements may not be permanently incorporated into an FAHP funded project. **CKY** must provide a definitive statement that all products, permanently incorporated into the project are covered under the Buy America requirements. This requirement is fulfilled via proper signature and submission of the statement of charges form. In some circumstances, a waiver of the Buy America requirements may be granted by the Federal Highway Administration, to be determined on a project-by-project basis. If the accommodation or relocation of **CKY's** facilities uses only State or local funding, the Buy America requirements do not apply.

35. The Commonwealth of Kentucky and the LFUCG are prohibited from contracting with firms that utilize the services of illegal immigrants in the performance of a contract of goods, services or construction purposes and the performance of a contract with the Commonwealth. By execution of this Agreement, **CKY** agrees not to hire any illegal immigrants itself and to take commercially reasonable measures to ensure that its contractors and their subcontractors not utilize the services of illegal immigrants.
36. The LFUCG may terminate this Agreement if funds are not appropriated to the contracting agency or are not otherwise available for the purpose of making payments without incurring any obligation for payment after the date of termination, regardless of the terms of the Agreement. The state agency shall provide the contractor thirty (30) calendar days written notice of termination of the Agreement.
37. The LFUCG reserves the right in its sole discretion to demand that **CKY** and all subcontractors immediately cease any portion of, or all further work undertaken within the scope of work of this agreement. Any authorized services performed, materials used or installed to the satisfaction of the LFUCG before the demand to cease any or all further work shall be paid in accordance with the terms of the section entitled "Responsibilities of the LFUCG". The LFUCG shall thereafter authorize **CKY** in writing to undertake only minimal, reasonable and necessary additional work or services and acquire, expend, use or install only minimal,

reasonable and necessary additional materials to reestablish the original use and function of their facility.

38. **CKY** affirms that it is properly authorized under the laws of the Commonwealth of Kentucky to conduct business in this state and will remain in good standing to do business in the Commonwealth of Kentucky for the duration of any Agreement awarded. **CKY** shall maintain certification of authority to conduct business in the Commonwealth of Kentucky during the term of this Agreement. Such registration is obtained from the Secretary of State, who will also provide the certification thereof.
39. This Agreement shall be governed by and shall be construed in accordance with the laws of the Commonwealth of Kentucky. In the event that any one or more of the provisions contained herein shall, for any reason, be held to be invalid, illegal or unenforceable in any respect, such invalidity, illegality or unenforceability shall not affect any other provisions of this agreement, but this agreement shall be construed as if such invalid, illegal, or unenforceable provisions had never been contained herein, unless the deletion of such provision or provisions would result in such a material change so as to cause completion of the transactions contemplated herein to be unreasonable.

The remainder of this page is intentionally left blank.

AGREEMENT EXECUTION

By the execution of this Agreement, the Parties warrant that they have fully read this Agreement, and agree to the terms and conditions. The **CKY** warrants that the existing **facility type** facilities identified have been verified, said facilities must be relocated due to the referenced LFUCG project, and the relocation of said facilities are reimbursable as defined in KRS 179.265. The LFUCG warrants that all reimbursable costs invoiced will be paid as defined herein.

IN WITNESS WHEREOF, the parties have executed this Agreement by their duly authorized officers.

This the 18th day of February 2014.

LFUCG APPROVALS

Approval of the Division of Engineering
SIGNATURE: <u>A. Bradley Frazier</u>
A. Bradley Frazier, Division Director

Approval of the LFUCG
SIGNATURE: <u>Jim Gray Maycr</u>
DATE: <u>2/18/14</u>

Approved Form and Legality
SIGNATURE: <u>E. W. G.</u>
DATE: <u>12/12/13</u>
Office of Legal Services Dept. of Law

Approval of Columbia Gas of Kentucky	
SIGNATURE: <u>Mary E. Sullivan</u>	DATE: <u>11/3/13</u>
TITLE: <u>Leader, Field Engineering</u>	



Steven L. Beshear
Governor

Commonwealth of Kentucky
Finance and Administration Cabinet
OFFICE OF THE SECRETARY
Room 383, Capitol Annex
702 Capital Avenue
Frankfort, KY 40601-3462
(502) 564-4240
Fax (502) 564-6785

Lori H. Flanery
Secretary

SECRETARY'S ORDER 11-004

FINANCE AND ADMINISTRATION CABINET

Vendor Document Disclosure

WHEREAS, in order to promote accountability and transparency in governmental operations, the Finance and Administration Cabinet believes that a formal review process should be created whereby the Finance and Administration Cabinet would provide oversight and direction to an agency of the Commonwealth that is in a dispute with a vendor regarding documents that it believes are being improperly withheld by the vendor and are necessary to conduct a thorough review of the vendor's activities pursuant to said contract; and

WHEREAS, KRS 42.014 and KRS 12.270 authorizes the Secretary of the Finance and Administration Cabinet to establish the internal organization and assignment of functions which are not established by statute relating to the Finance and Administration Cabinet; further, KRS Chapter 45A.050 and 45A.230 authorizes the Secretary of the Finance and Administration Cabinet to procure, manage and control all supplies and services that are procured by the Commonwealth and to intervene in controversies among vendors and state agencies; and

NOW, THEREFORE, pursuant to the authority vested in me by KRS 42.014, KRS 12.270, KRS 45A.050, 45A.230, and 200 KAR 5:314, I, Lori H. Flanery, Secretary of the Finance and Administration Cabinet, do hereby order and direct the following:

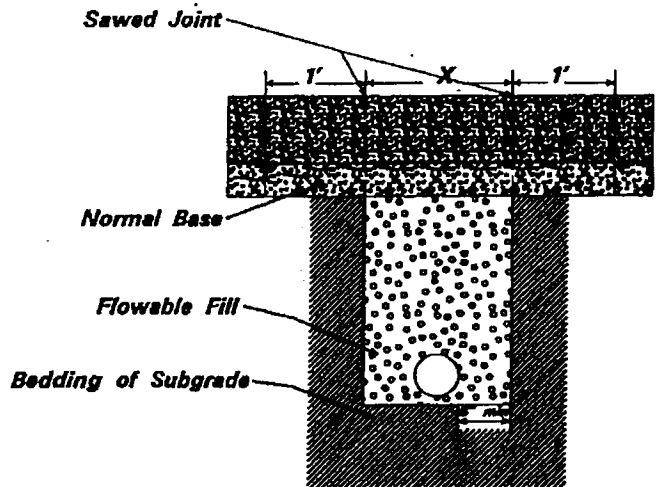
- I. Upon the filing of a Petition for Determination with the Finance and Administration Cabinet by an agency of the Commonwealth, the Finance and Administration Cabinet ("FAC") shall formally review any dispute arising where the agency has requested documents from a vendor that holds a state contract and the vendor has refused access to said documents under a claim that said documents are not directly pertinent or relevant to the agency's inquiry upon which the document request was predicated.
- II. Upon the filing of a Petition for Determination from an agency of the Commonwealth, the FAC shall formally review any situation where the agency has requested documents that the agency deems necessary to conduct audits,

investigations or any other formal inquiry and a dispute has arisen as to what documents are necessary to conclude the inquiry.

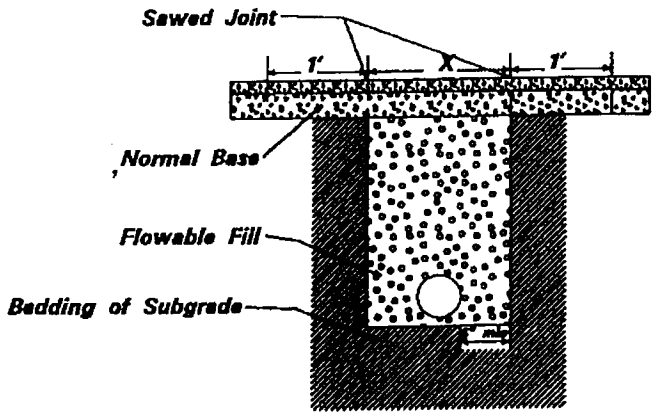
- III. Upon the filing of a Petition for Determination by an agency of the Commonwealth pursuant to Section I or Section II, the FAC shall consider the request from the Executive Branch agency and the position of the vendor or party opposing the disclosure of the documents, applying any and all relevant law to the facts and circumstances of the matter in controversy. After FAC's review is complete, FAC shall issue a Determination which sets out FAC's position as to what documents and/or records, if any, should be disclosed to the requesting agency. The Determination shall be issued within 30 days of receipt of the request from the agency. This time period may be extended for good cause.
- IV. If the Determination concludes that documents are being wrongfully withheld by the vendor or other party opposing the disclosure from the state agency, the private vendor shall immediately comply with the FAC's Determination. Should the vendor or other party refuse to comply with FAC's Determination, then the FAC, in concert with the requesting agency, shall pursue any and all options that it possesses to obtain the documents in question, including, but not limited to the following:
 - a. Initiating discussions with the vendor to obtain the documents determined to be necessary for the inquiry;
 - b., Terminating the vendor's contract; or
 - c. Filing an action jointly or singularly against the vendor in a court of appropriate jurisdiction to obtain a court order mandating the disclosure of the documents determined to be necessary for the inquiry.
- V. Any provisions of any prior Order that conflicts with the provisions of this Order shall be deemed null and void.

THIS ORDER SHALL BECOME EFFECTIVE UPON EXECUTION.

COMMONWEALTH OF KENTUCKY DEPARTMENT OF HIGHWAYS RESTORATION District Seven Permits



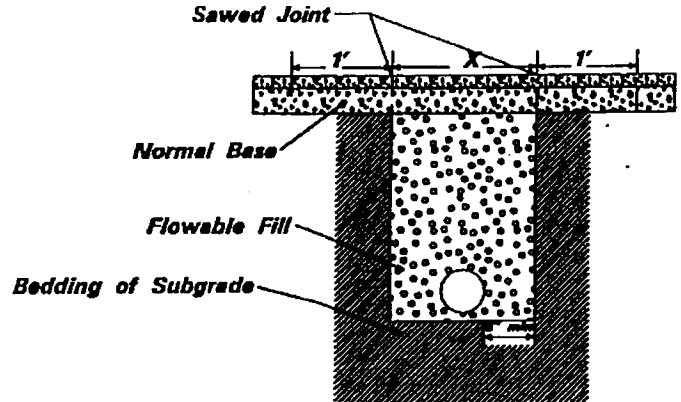
CONCRETE PAVING



BITUMINOUS PAVING

General Notes:

1. Fill extends to bottom of pavement structure.
2. Replace pavement with existing type and thickness.
3. Fill material must be agitated during transportation and waiting.
4. If the sawed joints are less than 6' from an existing joint or break in pavement, remove slab to break or joint.



BITUMINOUS PAVING LESS THAN 2"

FLOWABLE FILL SPECIFICATIONS:

Flowable fill ingredients must meet the requirements of the Kentucky Department of Highways as set forth in the manual of standard specifications

Proportioned as follows per cubic yard batch:

Cement	30 Pounds
Fly Ash, Class F	300 Pounds
Sand (SSD)	3,000 Pounds
Water (max)	550 Pounds

Note:

1. The proposed mixture shall be proportioned to obtain a minimum flow of 8 inches when tested with a 3 inch by 6 inch open ended cylinder modified flow test and meets acceptable strength requirements.
2. The mixture shall bleed freely within 10 minutes.
3. The mixture shall support a 150 pound person within 3 hours.
4. Flowable fill shall be in place for 2 hours prior to addition and compaction of cover material.

Attachment A

Columbia Gas

**Columbia Gas of Kentucky
Todds Road Widening Section 2
KODT Item 7-225.00
Lexington, Kentucky**

Columbia Gas of Kentucky
Todds Road Widening Section 2
KODT Item 7-225.00
Lexington, Kentucky

Pipeline Summary for Job Order 13-0264505-00		
Materials		\$32,894
Pipeline Contract	Stanley Pipeline	\$72,570
Company Labor		7,392
Tools and Vehicles		3,002
Supplies, Misc., Other		2,750
Engineering Consultant Contract	Duke Engineering/The Fishel Co/UELS	8,573
Labor Overheads		5,271
Construction Overheads		26,755
Total Estimate for Job Order 13-0264505-00		\$159,207

Total Estimate for Project >>> \$159,207

ESTIMATED COLUMBIA CONTRIBUTION (8.57%) = \$13,646
ESTIMATED LFUCG/KYTC CONTRIBUTION (91.43%) = \$145,561

Columbia Gas of Kentucky
Todds Road Widening Section 2
KODT Item 7-225.00
Lexington, Kentucky
 (Estimated Gas Pipeline Retirement Quantities)

RELOCATION DRAWING SHEET NO.	PUBLIC (Feet per Pipe Diameter)						PRIVATE (Feet per Pipe Diameter)					
	2"	3"	4"	6"	8"	12"	3"	4"	6"	8"	12"	
2			180						1,280			
3												
4												
5												
6												
SUBTOTAL	0	0	180	0	0	0	0	0	1,280	0	0	
ft.-inches	0	0	720	0	0	0	0	0	7,680	0	0	
TOTAL			720						7,680			
EST'D % REIMBURSED	91.43%											

ESTIMATED COLUMBIA CONTRIBUTION =

8.57%

ESTIMATED LFUCG/KYTC CONTRIBUTION =

91.43%

Columbia Gas of Kentucky
Todds Road Widening Section 2
KODT Item 7-225.00
Lexington, Kentucky

Labor Detail - Job Order 11-0263970-00

DESCRIPTION	CREW TYPE	Duration (hh:mm)	Man Hours (Decimal)	Indiv. Raw Hr. Rate	LABOR COST
COMPANY INSPECTOR	CSA	224:00	224.00	\$ 33.00	\$ 7,392

Total Company Labor - Job Order 11-0263970-00>>> \$ 7,392

Columbia Gas of Kentucky
Todds Road Widening Section 2
KODT Item 7-225.00
Lexington, Kentucky

GENERAL TOOL / VEHICLE DETAIL - Job Order 11-0263970-00

Employee	Description of Work	TOOL/VEH.	Man-Hrs (Decimal)	TIME	RATE	COST
Company Inspector	Haul Materials & Tools	Truck	224.00	224:00	\$ 13.40	\$ 3,002

Total Tools and Vehicles - Job Order 11-263970-00>>> \$ 3,002

**Columbia Gas of Kentucky
Todds Road Widening Section 2
KODT Item 7-225.00
Lexington, Kentucky**

Miscellaneous Detail - Job Order 13-0264505-00

Description	Quantity	UOM	Unit Price	Cost
Right-of-Way Damages	250.00	FT	\$ 5.00	\$ 1,250
Miscellaneous Material & Supplies	30.00	EA	\$ 50.00	\$ 1,500

Total Miscellaneous Expense - JobOrder 13-0264505-00>>> \$ 2,750

Columbia Gas of Kentucky
 Todds Road Widening Section 2
 KODT Item 7-225.00
 Lexington, Kentucky

Job Order 11-0263970-00

Civil Consultant Detail - Preliminary Engineering/Surveying

FISHEL ITEM NO.	Contract No. 12-6040-00 ITEM DESCRIPTION				
52 - 925	Two Person Survey Crew	29	HR	\$ 115.00	3,356

Sub-Total Consultant Cost >>> \$ 3,355.70

Civil Consultant Detail - Preliminary Engineering/Engineering

DUKE ITEM NO.	Contract No. 11-5709-01 ITEM DESCRIPTION	UNITS	UOM	UNIT COST	COST
DUKE ITEM NO.	Contract No. 12-6011-00 ITEM DESCRIPTION				

Sub-Total Consultant Cost >>> \$ -

Consultant Detail - Preliminary Engineering/Vac Excavations

UELS ITEM NO.	Contract No. 12-6038-01 ITEM DESCRIPTION	UNITS	UOM	UNIT COST	COST
98 - 210	Vac Excavation - 1 Man Crew	40	HR	\$ 130.50	\$ 5,217

Sub-Total Consultant Cost >>> \$ 5,217.39

Total Consultant Cost for Preliminary Engineering>>> \$ 8,573.09

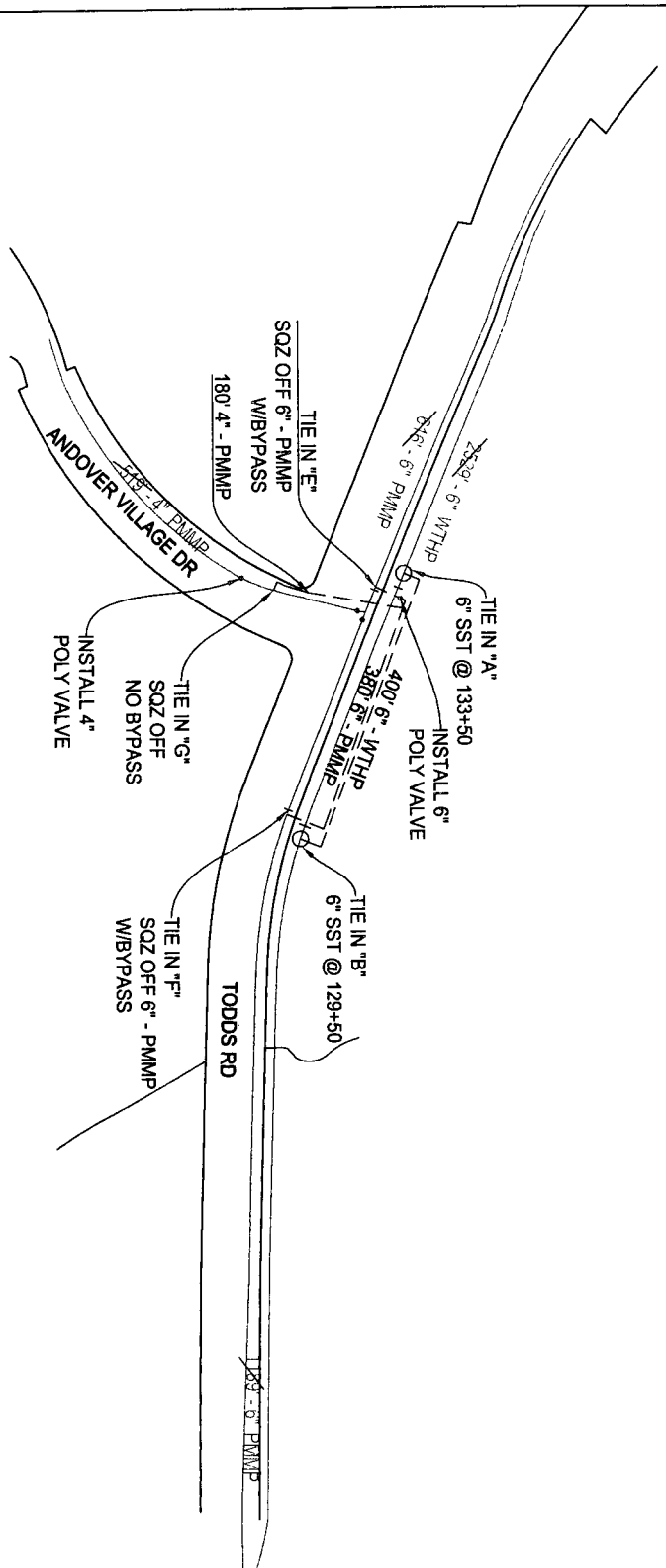
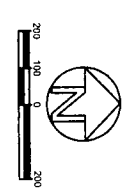
Columbia Gas of Kentucky
Todds Road Widening Section 2
KODT Item 7-225.00
Lexington, Kentucky

Overhead Detail - Job Order 13-0264505-00

Labor Overheads		Overhead Cost
LABOR COST:	\$7,392	
VAC/NON-PROD %	15.630%	\$1,155
Subtotal -	\$8,547	
LABOR OVERHEAD %	48.156% COST:	\$4,116
Total Labor Overheads =		\$5,271

Construction Overheads:		Overhead Cost
Material, Contracts, Tools & Veh, ROW, Labor & Labor Overhead Cost:	\$132,452	
Supervision, Engineering, General & Administrative %:	20.200%	\$26,755
Subtotal -	\$159,207	
Allowance for Funds Used During Construction %:	0.3290% KYTC Does Not Pay	
Total Construction Overheads >>>		\$26,755

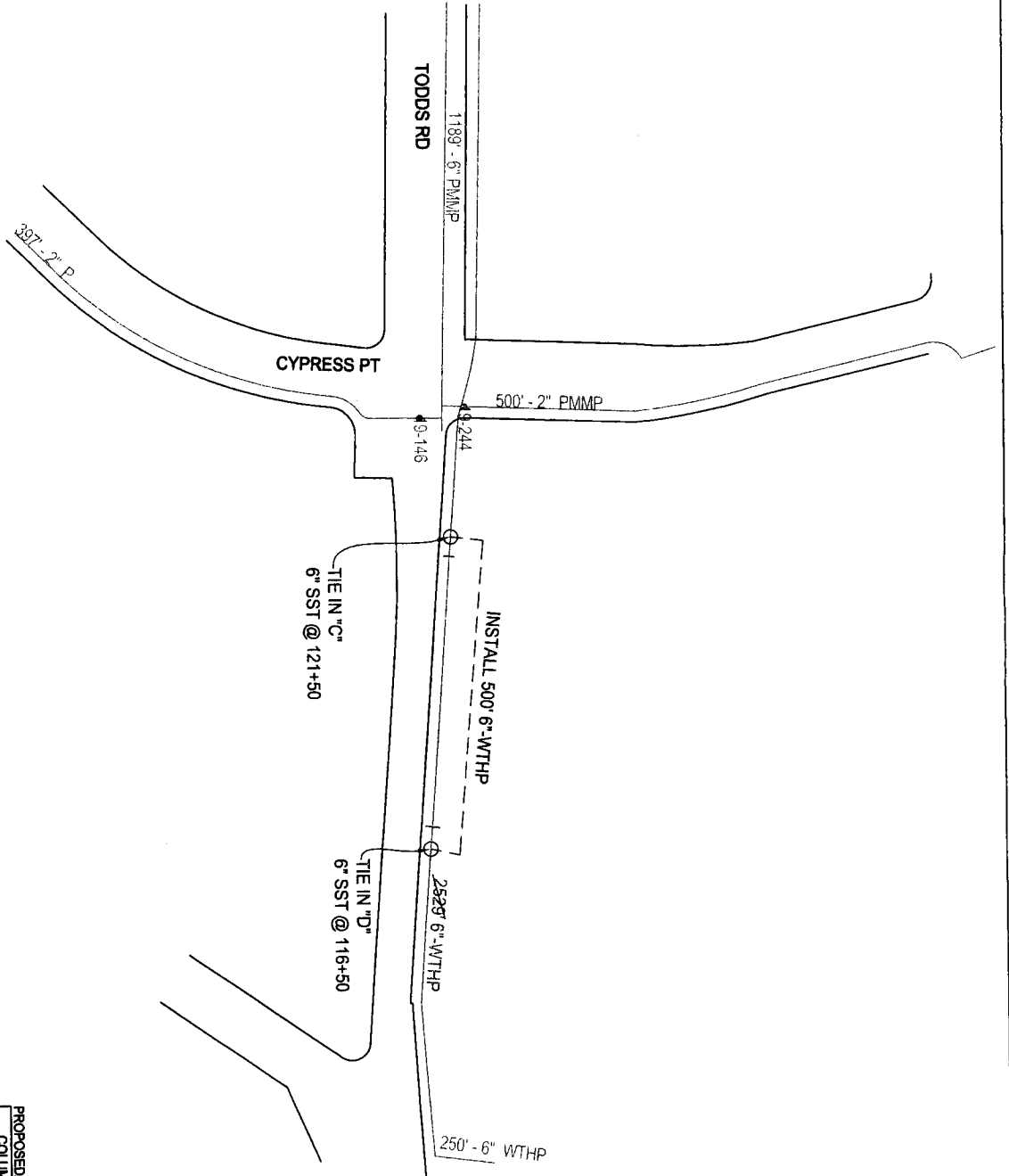
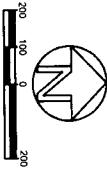
Total Overheads for Job Order 13-0264505-00>>> **\$32,027**




PROPOSED/COMPLETED

COLUMBIA GAS OF KENTUCKY, INC.

PROJECT NO.	13-1560
TODDS BORE LOCATION PROJECT	
AREA #	7621
DATE	06/14/05
FILE NAME	0284505
DATE	7/19/13
SCALE	AS SHOWN
DRAWN BY	M. BROWN
CHECKED BY	
DATE	
TYPE	SM
PAGE	1 of 2



PROPOSED/COMPLETED	
COLUMBIA GAS OF KENTUCKY, INC.	
TODDS RD RELOCATION PROJECT	PROJECT NO. 13-1280
DATE: 07/20/09	DATE: 07/20/09
DRAWN BY: M. BROWN	SCALE: NTS
DATE: 7/16/09	TYPE: S11
PROJECT NO. 13-024000-00	PAGE 2 of 2

 Time Warner Cable

2544 Palumbo Dr.
Lexington, Ky. 40509
(859)-514-2506

December 6, 2013

Mr. Keith Lovan
LFUCG
101 E. Vine St. Suite 400
Lexington, Ky. 40507

Subject: Todds Rd. phase 2 Road Widening
Lexington, Ky.

Mr. Lovan:

The purpose of this letter is to summarize the cost participation between Time Warner Cable and the Lexington Urban Government for the subject project.

Enclosed, please find the documents to support the cost participation for the relocations of Time Warner Cable's facilities. There is one work order to complete the relocations.

I have combined the cost to calculate the costs to be borne by the LFUGG.

The cost participation percentage for the City portion was determined by using The point to point method and was computed to 82% or \$115,839.00. The cost participation percentage for Time Warner Cable's computed to 18% or \$25443.00 the Time Warner Cable's plan cost. Due from breakdown of public vs. private facilities.

Time Warner Cable will work on their facilities and complete 30 to 45 days after Kentucky Utilities is finish.

We would like to present this document in order to obtain an agreement between The Lexington Fayette Urban Government and Time Warner Cable for reimbursement purposes. Time Warner Cable request a lump sum reimbursement of 82% (\$115,839.00) of the cost to replace Time Warner Cable's facilities. If any questions or concerns please feel free to contact me at (859) 514-2506.

Sincerely,

Gary Hartford
Sr. Construction Coord.
Time Warner Cable



Former Insight Area

Project Authorization Form
Plant Construction (All Types)

Origination Date:

Start Date: 8/1/2013

NODE: 958,956,914 Completion Date: 12/1/2013

PROJECT INFORMATION	Location Name:	<u>LEXINGTON KY INS</u>			Miles:	<u>1.50</u>	Cost Per:	<u>10632.19</u>																						
	Project Name:	<u>Forced Relocation</u>			Underground:	<u>0.36</u>		<u>26374.27</u>																						
	Activity/ Job Name:	<u>Todds Rd Relocate phase 2</u>			Total:	<u>1.86</u>		<u>13679.04</u>																						
	Line of Business:	<u>Video - Residential</u>	Project Driver:	<u>DOT</u>																										
	Project Type:	<u>Forced Relocation</u>	BW/Fiber Activity:	<u>750 MHz</u>																										
PA Type:	<u>New</u>	Existing Bandwidth:	<u>N/A</u>																											
		Category:	<u>Forced Plant Relo</u>																											
<table border="1"> <thead> <tr> <th>BU</th> <th>Project ID</th> <th>OU</th> <th>BS</th> <th>FA</th> <th>ES</th> <th>ES Cat</th> <th>Sub Cat</th> </tr> </thead> <tbody> <tr> <td>14800</td> <td>2285C31051</td> <td>2285</td> <td>31</td> <td>n/a</td> <td>601</td> <td>FRELO</td> <td>Multiple</td> </tr> </tbody> </table>		BU	Project ID	OU	BS	FA	ES	ES Cat	Sub Cat	14800	2285C31051	2285	31	n/a	601	FRELO	Multiple	<table border="1"> <thead> <tr> <th>Passings</th> <th>Cost Per</th> </tr> </thead> <tbody> <tr> <td>Aerial</td> <td><u>287</u></td> <td><u>55.57</u></td> </tr> <tr> <td>Underground</td> <td><u>1500</u></td> <td><u>6.33</u></td> </tr> <tr> <td>Total</td> <td><u>1787</u></td> <td><u>14.24</u></td> </tr> </tbody> </table>		Passings	Cost Per	Aerial	<u>287</u>	<u>55.57</u>	Underground	<u>1500</u>	<u>6.33</u>	Total	<u>1787</u>	<u>14.24</u>
BU	Project ID	OU	BS	FA	ES	ES Cat	Sub Cat																							
14800	2285C31051	2285	31	n/a	601	FRELO	Multiple																							
Passings	Cost Per																													
Aerial	<u>287</u>	<u>55.57</u>																												
Underground	<u>1500</u>	<u>6.33</u>																												
Total	<u>1787</u>	<u>14.24</u>																												
Project Justification:																														

LEAVE BLANK

			Contract Labor	In-House Labor	Materials	Freight	Reimbursement	Total
FRELO								
Design - Aerial	A10	600	80	390			(385)	85
Make Ready - Aerial	A11	601					(8,650)	1,899
Strand & Hardware - Aerial	A12	601	4,182	856	5,511		(7,113)	1,562
Splicing & Electronics - Aerial	A13	601	1	588	8,086		(8,025)	8,347
Fiber Construction - Aerial	A14	601	24,722	3,963	17,687		(14,160)	3,107
Coaxial Construction - Aerial	A15	601	14,197	1,645	1,426			3
Fiber Overlash - Aerial	A17	601	1	1	1		(4,302)	945
Coaxial Overlash - Aerial	A18	601	1	356	4,890			
UG								
Design - UG	U10	600						
Make Ready - UG	U11	601					(1,169)	258
Hardware - UG	U12	601	1	97	1,329		(12,489)	2,741
Splicing & Electronics - UG	U13	601	4,451	1,179	9,600			3
Fiber Construction - UG	U14	601	1	1	1		(29,546)	6,486
Coaxial Construction - UG	U15	601	29,786	3,429	2,817			3
Fiber Overtrench - UG	U17	601	1	1	1			3
Coaxial Overtrench - UG	U18	601	1	1	1			
EQHDE								
Fiber Optronics - Headend	H31	601						
QAMS	H33	601						
INSTL								
Drops - New Connects		601						
Make Ready - Replacements		601						
Total			77,424	12,508	51,350		(115,839)	25,443

PA TOTALS	Project #	Was this activity Budgeted?		Yes	Budget	Current PA	YTD Authorized	Uncommitted	
						25,443		(25,443)	
	Budgeted Project Information (Indicate the funding Project here):								Total Requested Authorization
									\$ 25,443
		Project ID	Activity ID	OU	BS	FA	Amount		

APPROVALS	Requester Information			Required Approvals		Date
	Name:	_____		_____	_____	_____
	Title:	_____		_____	_____	_____
	Phone:	_____		Date	_____	_____
		Signature:	_____		_____	_____

ITEM NO.	QUANTITY	UNIT
7-225.00	FAFETTE	ROOFS

STEEL W/ BEAM GUARDRAIL
 L.T. STA. 101+68.53 TO STA. 103+00.
 CONST. 131.47 L.F. W/ END
 TREATMENT TYPE 2A

DITCH CONSTRUCTION - LEFT

STATION	SIZE-SHAPE TYPE	QUANTITY
97+20.46 TO 99+32.03	NORMAL "V" E.B.	283 50' YD.

STANDARD CURB AND GUTTER
 L.T. STA. 99+11.29 TO STA. 103+00.
 CONST. 190 S.Y. W/ TYPE A AND
 SIDEWALKS AND RAMPS SHALL BE
 ADA COMPLIANT.

SODDING
 L.T. STA. 99+11.29 TO STA. 103+00.
 CONST. 236 S.Y.

CROSSROADS CHRISTIAN CHURCH ENTR., NO.1
 L.T. STA. 99+11.29 TO STA. 103+00.
 CONST. 190 S.Y. W/ TYPE A AND
 SIDEWALKS AND RAMPS SHALL BE
 ADA COMPLIANT.

Crossroads Christian Church
 of Lexington, Inc.
 P.No. 1

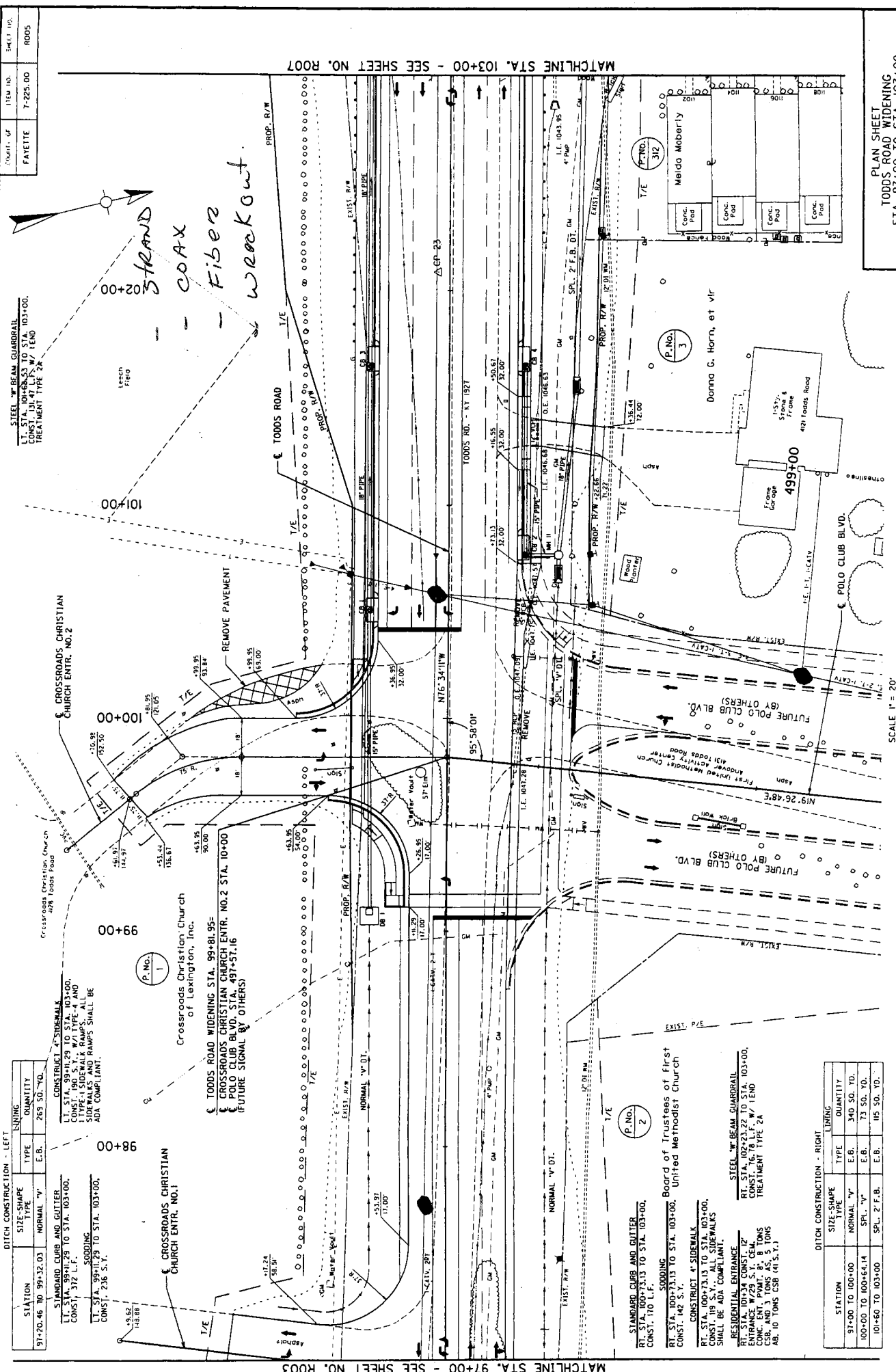
CROSSROADS CHRISTIAN CHURCH ENTR., NO.2
 L.T. STA. 99+11.29 TO STA. 103+00.
 CONST. 190 S.Y. W/ TYPE A AND
 SIDEWALKS AND RAMPS SHALL BE
 ADA COMPLIANT.

CROSSROADS CHRISTIAN CHURCH ENTR., NO.2
 L.T. STA. 99+11.29 TO STA. 103+00.
 CONST. 190 S.Y. W/ TYPE A AND
 SIDEWALKS AND RAMPS SHALL BE
 ADA COMPLIANT.

STAND
 - COAX
 - Fiber
 - Wreckout.

ITEM NO.	QUANTITY	UNIT
7-225.00	FAFETTE	ROOFS

MATCHLINE STA. 103+00 - SEE SHEET NO. R007



MATCHLINE STA. 97+00 - SEE SHEET NO. R003

DITCH CONSTRUCTION - RIGHT

STATION	SIZE-SHAPE TYPE	QUANTITY
97+00 TO 100+00	NORMAL "V" E.B.	340 50' YD.
100+00 TO 100+64.14	SPL. "V" E.B.	73 50' YD.
101+60 TO 103+00	SPL. 2' F.B. E.B.	115 50' YD.

STANDARD CURB AND GUTTER
 L.T. STA. 102+23.22 TO STA. 103+00.
 CONST. 110 S.Y. W/ TYPE A AND
 SIDEWALKS AND RAMPS SHALL BE
 ADA COMPLIANT.

RESIDENTIAL ENTRANCE
 L.T. STA. 102+23.22 TO STA. 103+00.
 CONST. 119 S.Y. W/ TYPE A AND
 SIDEWALKS AND RAMPS SHALL BE
 ADA COMPLIANT.

STEEL W/ BEAM GUARDRAIL
 L.T. STA. 102+23.22 TO STA. 103+00.
 CONST. 110 S.Y. W/ TYPE A AND
 SIDEWALKS AND RAMPS SHALL BE
 ADA COMPLIANT.

Board of Trustees of First
 United Methodist Church
 P.No. 2

Board of Trustees of First
 United Methodist Church
 P.No. 3

Board of Trustees of First
 United Methodist Church
 P.No. 4

Board of Trustees of First
 United Methodist Church
 P.No. 5

Board of Trustees of First
 United Methodist Church
 P.No. 6

ITEM NO.	QUANTITY	UNIT
7-225.00	FAFETTE	ROOFS

PLAN SHEET
 TODD'S ROAD WIDENING
 STA. 97+00 TO STA. 103+00

SCALE 1" = 20'

MATCHLINE STA. 103+00 - SEE SHEET NO. R005

MATCHLINE STA. 109+00 - SEE SHEET NO. R009

DITCH CONSTRUCTION - LEFT

STATION	SIZE SHAPE	TYPE	QUANTITY
102+26.52 TO 107+34.44	SPL. 2' F.B.	PAVED	27 SQ. YD.
107+34.44 TO 108+30	SPL. 2' F.B.	CL. II	48 TONS
108+30 TO 108+15.91	SPL. 2' F.B.	CL. II	6 TONS
104+48.15 TO 104+48.91	2' F.B. OUT.	PAVED	10 SQ. YD.
102+40.06 TO 102+15.42	SPL. 2' F.B.	PAVED	25 SQ. YD.

STANDARD CURB AND GUTTER
 RT. STA. 103+00 TO STA. 103+50.
 CONST. 152 S.V. ALL SIDEWALKS
 SHALL BE ADA COMPLIANT.
 SPOODLING
 LT. STA. 103+00 TO STA. 103+00.
 CONST. 189 S.V.
 CURB TO BARRIER WALL TRANSITIONS
 LT. STA. 104+50.58 CONST. 1
 LT. STA. 108+26.37 CONST. 1

CONSTRUCT 4' SIDEWALK
 LT. STA. 103+00 TO STA. 103+00.
 CONST. 152 S.V. ALL SIDEWALKS
 SHALL BE ADA COMPLIANT.
 SPOODLING
 LT. STA. 103+00 TO STA. 104+68.53
 CONST. 189 S.V. W/ 1' TERMINAL
 LT. STA. 104+68.53 TO STA. 109+00.
 CONST. 189 S.V. W/ 1' TERMINAL
 SECTION NO. 1

STEEL W-BEAM GUARDRAIL
 RT. STA. 103+00 TO STA. 105+35.72.
 CONST. 235.72 L.F. W/ 1' TERMINAL
 RT. STA. 108+61.53 TO STA. 109+00.
 CONST. 38.47 L.F. W/ 1' TERMINAL
 SECTION NO. 1

CONSTRUCT 4' SIDEWALK
 RT. STA. 103+00 TO STA. 109+00.
 CONST. 152 S.V. ALL SIDEWALKS
 SHALL BE ADA COMPLIANT.
 SPOODLING
 LT. STA. 103+00 TO STA. 104+50
 CONST. 189 S.V. W/ 1' TERMINAL
 LT. STA. 104+50 TO 104+50
 CONST. 189 S.V. W/ 1' TERMINAL
 SECTION NO. 1

STANDARD CURB AND GUTTER
 RT. STA. 103+00 TO STA. 109+00.
 CONST. 152 S.V. ALL SIDEWALKS
 SHALL BE ADA COMPLIANT.
 SPOODLING
 LT. STA. 103+00 TO STA. 108+00.
 CONST. 189 S.V.
 CURB TO BARRIER WALL TRANSITIONS
 LT. STA. 104+50.58 CONST. 1
 LT. STA. 108+26.37 CONST. 1

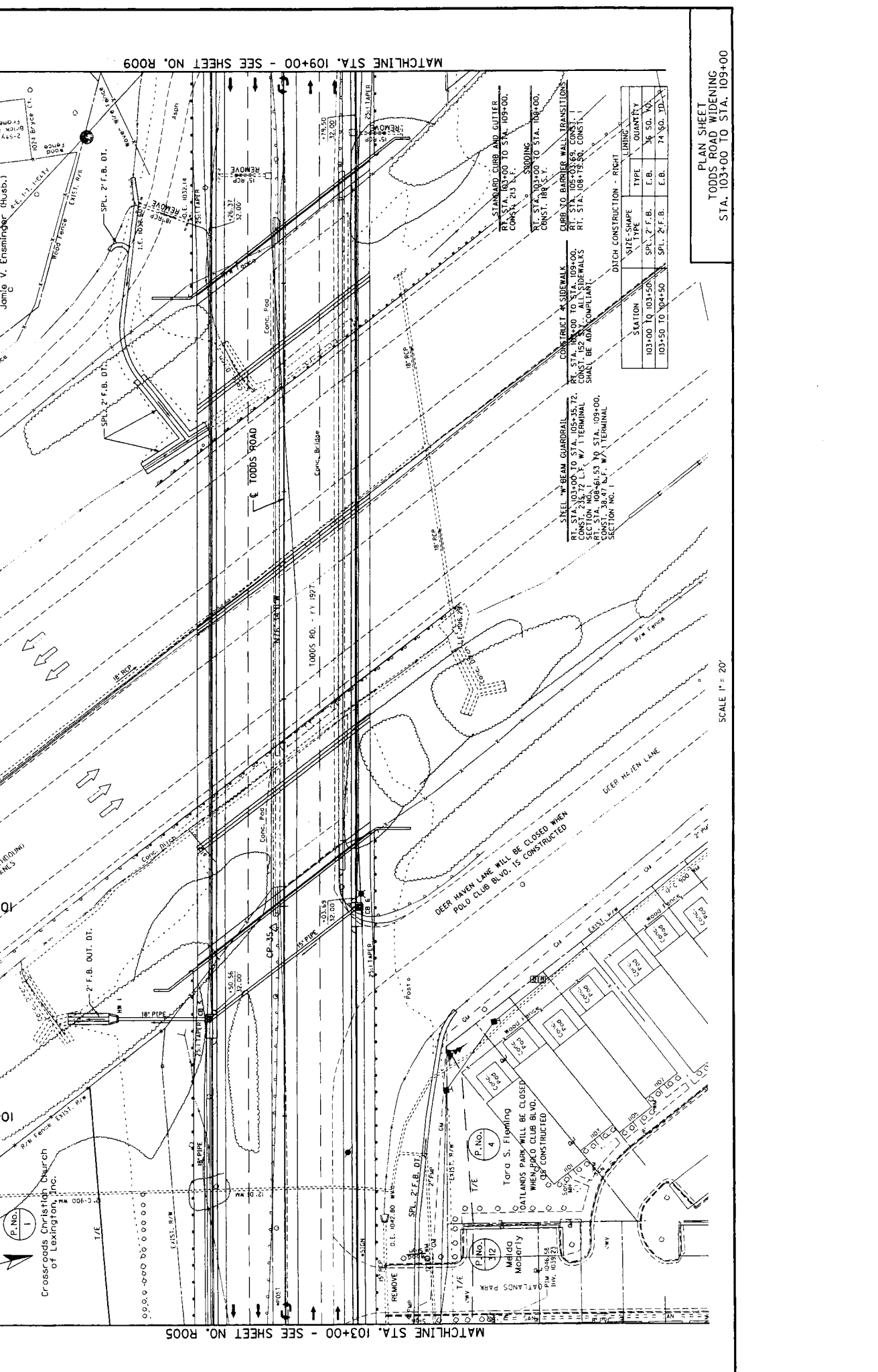
DITCH CONSTRUCTION - RIGHT

STATION	SIZE SHAPE	TYPE	QUANTITY
103+00 TO 104+50	SPL. 2' F.B.	PAVED	36 SQ. YD.
104+50 TO 104+50	SPL. 2' F.B.	E.B.	74 SQ. YD.

CONSTRUCT 4' SIDEWALK
 RT. STA. 103+00 TO STA. 109+00.
 CONST. 152 S.V. ALL SIDEWALKS
 SHALL BE ADA COMPLIANT.
 SPOODLING
 LT. STA. 103+00 TO STA. 104+50
 CONST. 189 S.V. W/ 1' TERMINAL
 LT. STA. 104+50 TO 104+50
 CONST. 189 S.V. W/ 1' TERMINAL
 SECTION NO. 1

STEEL W-BEAM GUARDRAIL
 RT. STA. 103+00 TO STA. 105+35.72.
 CONST. 235.72 L.F. W/ 1' TERMINAL
 RT. STA. 108+61.53 TO STA. 109+00.
 CONST. 38.47 L.F. W/ 1' TERMINAL
 SECTION NO. 1

CONSTRUCT 4' SIDEWALK
 RT. STA. 103+00 TO STA. 109+00.
 CONST. 152 S.V. ALL SIDEWALKS
 SHALL BE ADA COMPLIANT.
 SPOODLING
 LT. STA. 103+00 TO STA. 104+50
 CONST. 189 S.V. W/ 1' TERMINAL
 LT. STA. 104+50 TO 104+50
 CONST. 189 S.V. W/ 1' TERMINAL
 SECTION NO. 1



Crossroads Christian Church of Lexington, Inc.

Tara S. Fleming
 Melag Moberly
 R.W. 103923

GATLANDS PARK
 WHEN POLO CLUB BLVD. IS CLOSED
 WILL BE CONSTRUCTED

DEER HAVEN LANE WILL BE CLOSED WHEN
 POLO CLUB BLVD. IS CONSTRUCTED

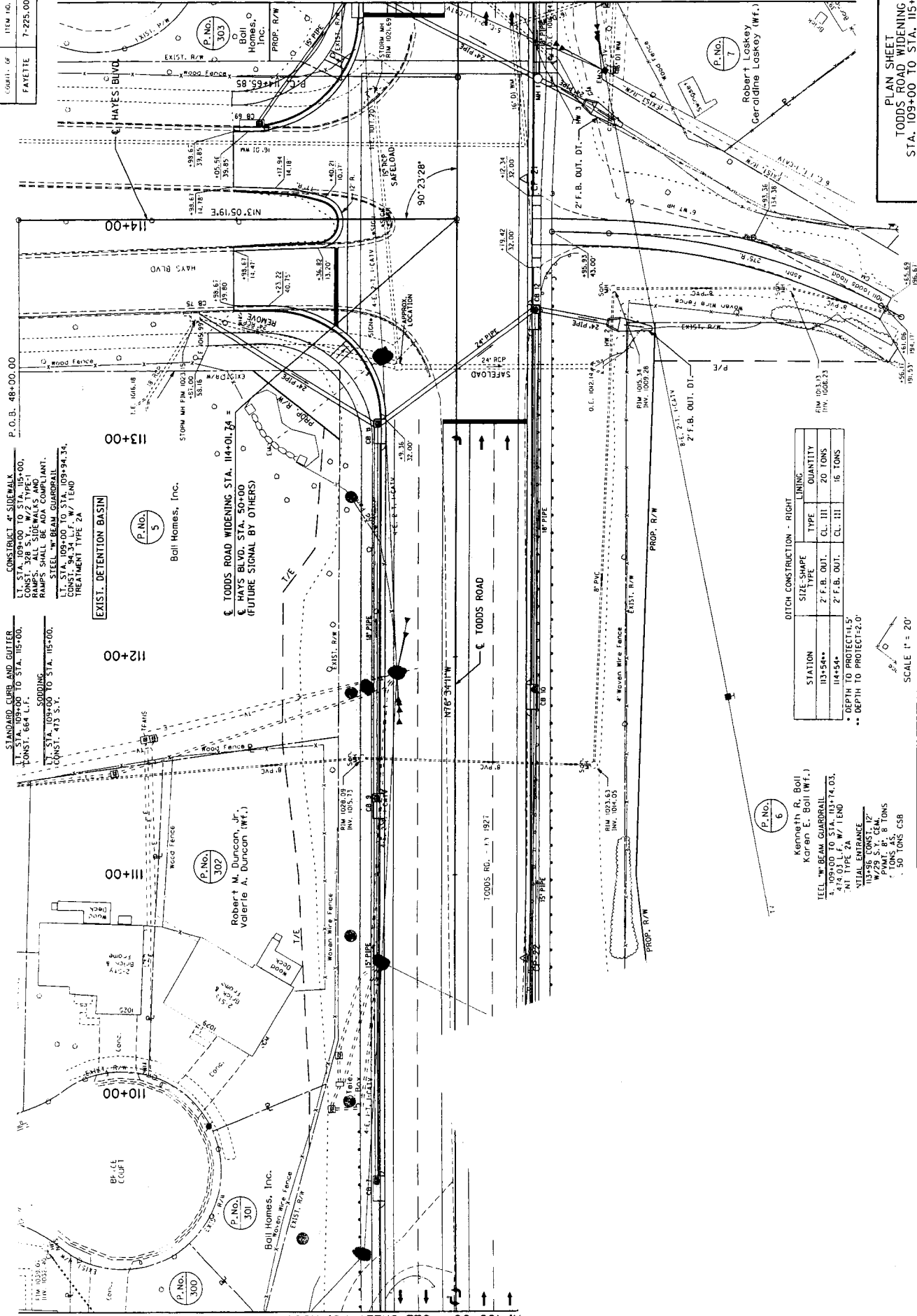
10005 RD. - FY 1977

107+00
 106+00
 105+00
 104+00

103+00

109+00

SCALE 1" = 20'



CONSTRUCT 4' SIDEWALK
L.T. STA. 109+00 TO STA. 115+00.
CONST. 328 S.Y. W/2 TYPE-1
RAMP. SHALL BE W/2 COMPLIANT.
STEEL W-BEAM GUARDRAIL
L.T. STA. 109+00 TO STA. 109+94.34.
CONST. 94.34' L.F. W/1 END
TREATMENT TYPE 2A

STANDARD CURB AND GUTTER
L.T. STA. 109+00 TO STA. 115+00.
CONST. 664' L.F.

SODDING
L.T. STA. 109+00 TO STA. 115+00.
CONST. 473 S.Y.

EXIST. DETENTION BASIN

TOODS ROAD WIDENING STA. 114+01.74 =
HAYS BLVD. STA. 50+00
(FUTURE SIGNAL BY OTHERS)

Robert M. Duncan, Jr.
Valerie A. Duncan (Wf.)

Robert Laskey
Geraldine Laskey (Wf.)

DITCH CONSTRUCTION - RIGHT

STATION	SIZE-SHAPE		LINING	QUANTITY
	TYPE	TYPE		
113+54**	2' F.B. OUT.	CL. III		20 TONS
114+54**	2' F.B. OUT.	CL. III		16 TONS

** DEPTH TO PROTECT=1.5'
** DEPTH TO PROTECT=2.0'

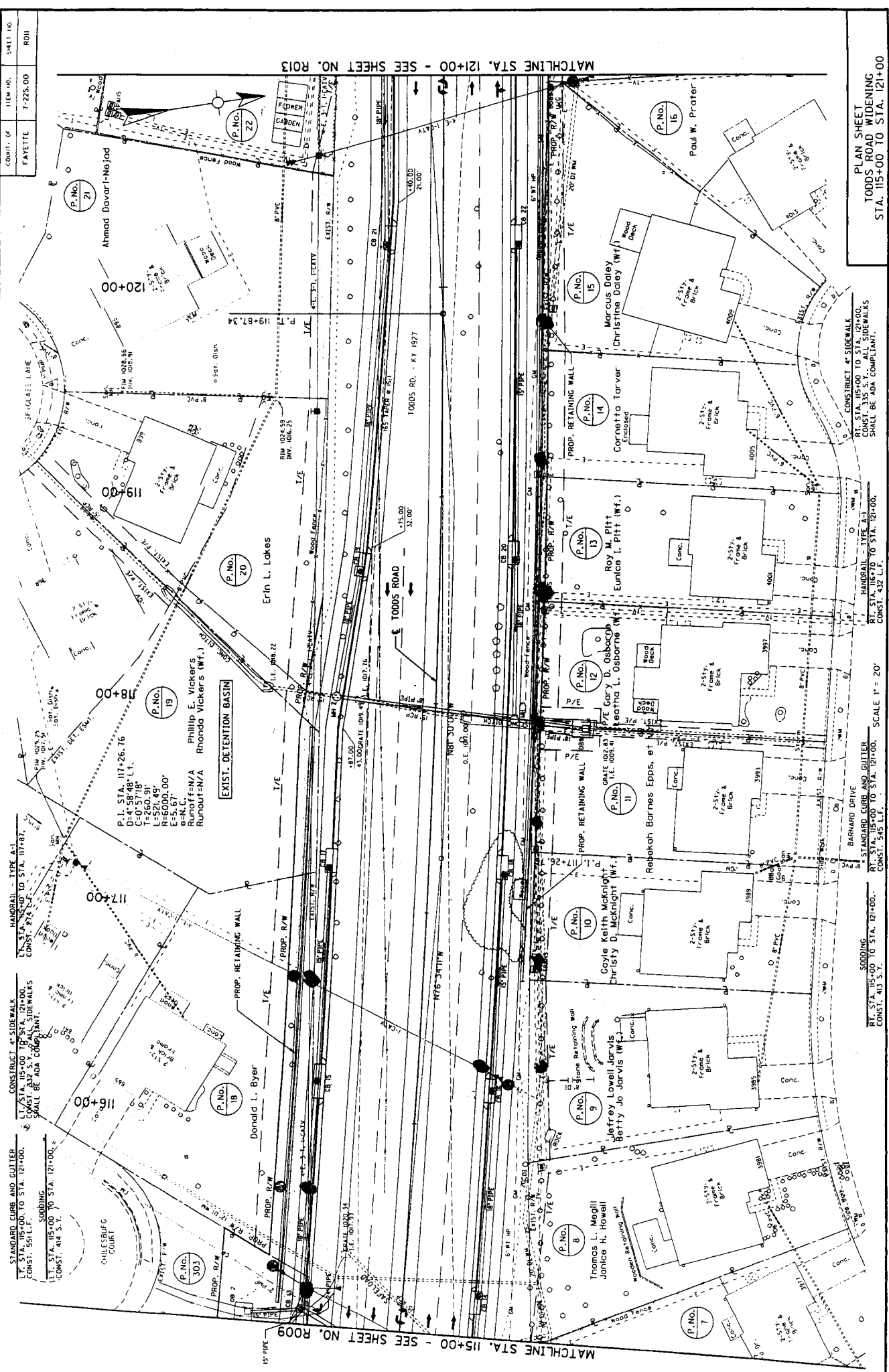
Kenneth R. Boll
Karen E. Boll (Wf.)

STEEL W-BEAM GUARDRAIL
L.T. STA. 109+00 TO STA. 114+03.
44' 03' L.F. W/1 END
TREATMENT TYPE 2A

VITAL ENTRANCE
113+36 CONST. 12'
W/2 S.Y. W/2 COMPLIANT
PUMP 8" 8 TONS
1 TONS 45' AS
50 TONS CSB

SCALE 1" = 20'

COUNT. OF	ITEM NO.	SHEET NO.
FAYETTE	7-225-00	ROI1



STANDARD CURB AND GUTTER
L.T. STA. 115+00 TO STA. 121+00.
CONST. 551 L.F.

SODDING
L.T. STA. 115+00 TO STA. 121+00.
CONST. 545 S.F.

CONSTRUCT 4' SIDEWALK
L.T. STA. 115+00 TO STA. 121+00.
CONST. 832 S.F. SIDEWALKS
SHALL BE ADA COMPLIANT.

HANDRAIL - TYPE A-1
L.T. STA. 115+00 TO STA. 117+87.
CONST. 272 L.F.

P.L. STA. 117+26.76
D=4' 58.48" L.T.
C=0' 57/16"
I=260.91'
R=6000.00'
E=5.67'
S=N.C.
Philip E. Vickers
Rhonda Vickers (Wf.)
Runoff=N/A
Runoff=N/A

EXIST. DETENTION BASIN

CONSTRUCT 4' SIDEWALK
R.T. STA. 115+00 TO STA. 121+00.
CONST. 832 S.F. SIDEWALKS
SHALL BE ADA COMPLIANT.

HANDRAIL - TYPE A-1
R.T. STA. 116+10 TO STA. 121+00.
CONST. 432 L.F.

SODDING
R.T. STA. 115+00 TO STA. 121+00.
CONST. 545 S.F.

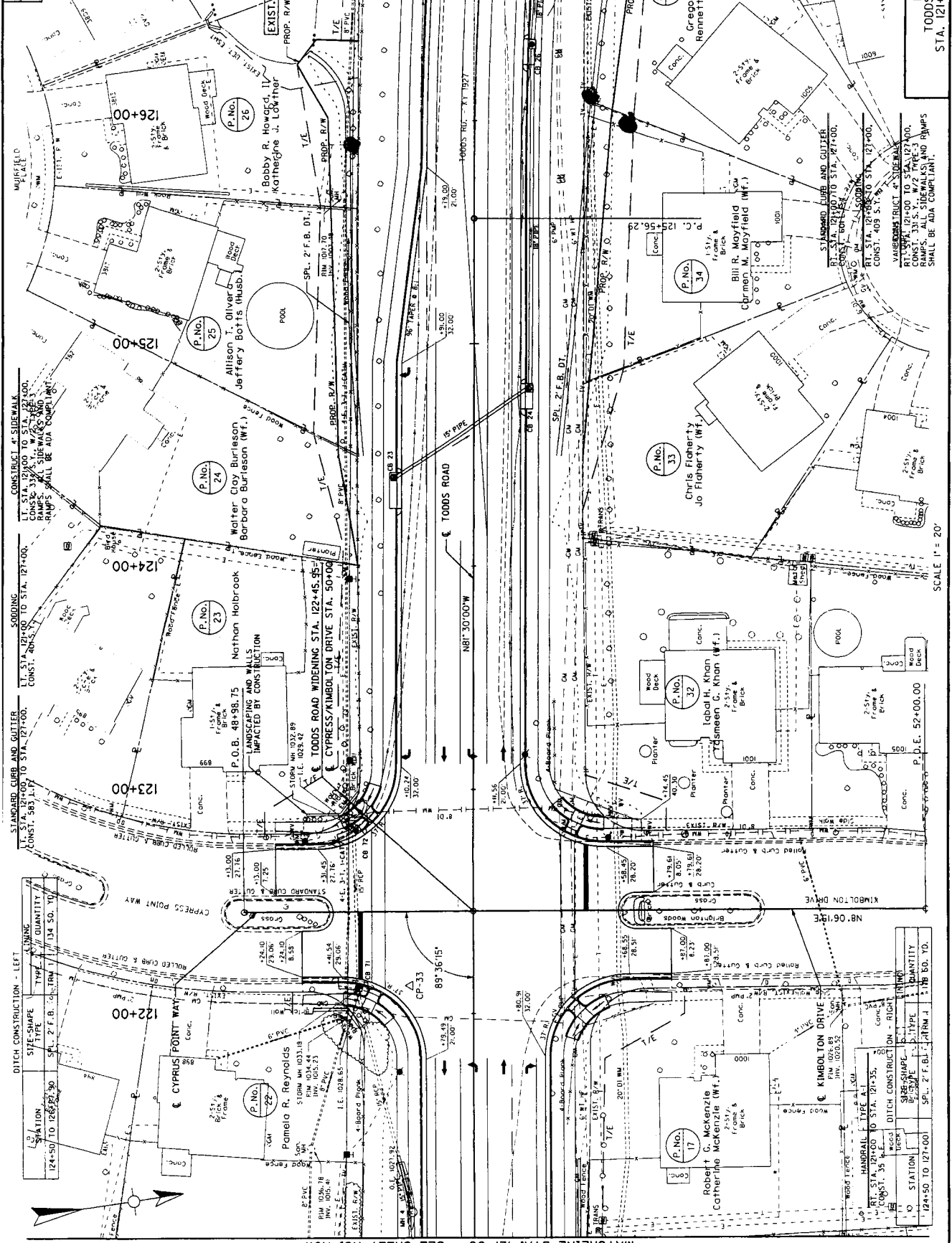
SCALE 1" = 20'

PLAN SHEET
TODD'S ROAD WIDENING
STA. 115+00 TO STA. 121+00

MATCHLINE STA. 121+00 - SEE SHEET NO. ROI3

MATCHLINE STA. 115+00 - SEE SHEET NO. ROI09

ITEM NO.	SHEET NO.
7-225.00	RO13
FAYETTE	



DITCH CONSTRUCTION - LEFT

STATION	TYPE	QUANTITY
124+50 TO 126+30	S.P. 2' F.B. 12" R/W	134 SQ. YD.

DITCH CONSTRUCTION - RIGHT

STATION	TYPE	QUANTITY
124+50 TO 127+00	S.P. 2' F.B. 12" R/W	176 SQ. YD.

STANDARD CURB AND GUTTER

STATION	TYPE	QUANTITY
123+00 TO 124+00	CONC. 5/8" TYP.	134 SQ. YD.

SOODING

STATION	TYPE	QUANTITY
123+00 TO 124+00	CONC. 4" SIDEWALK	134 SQ. YD.

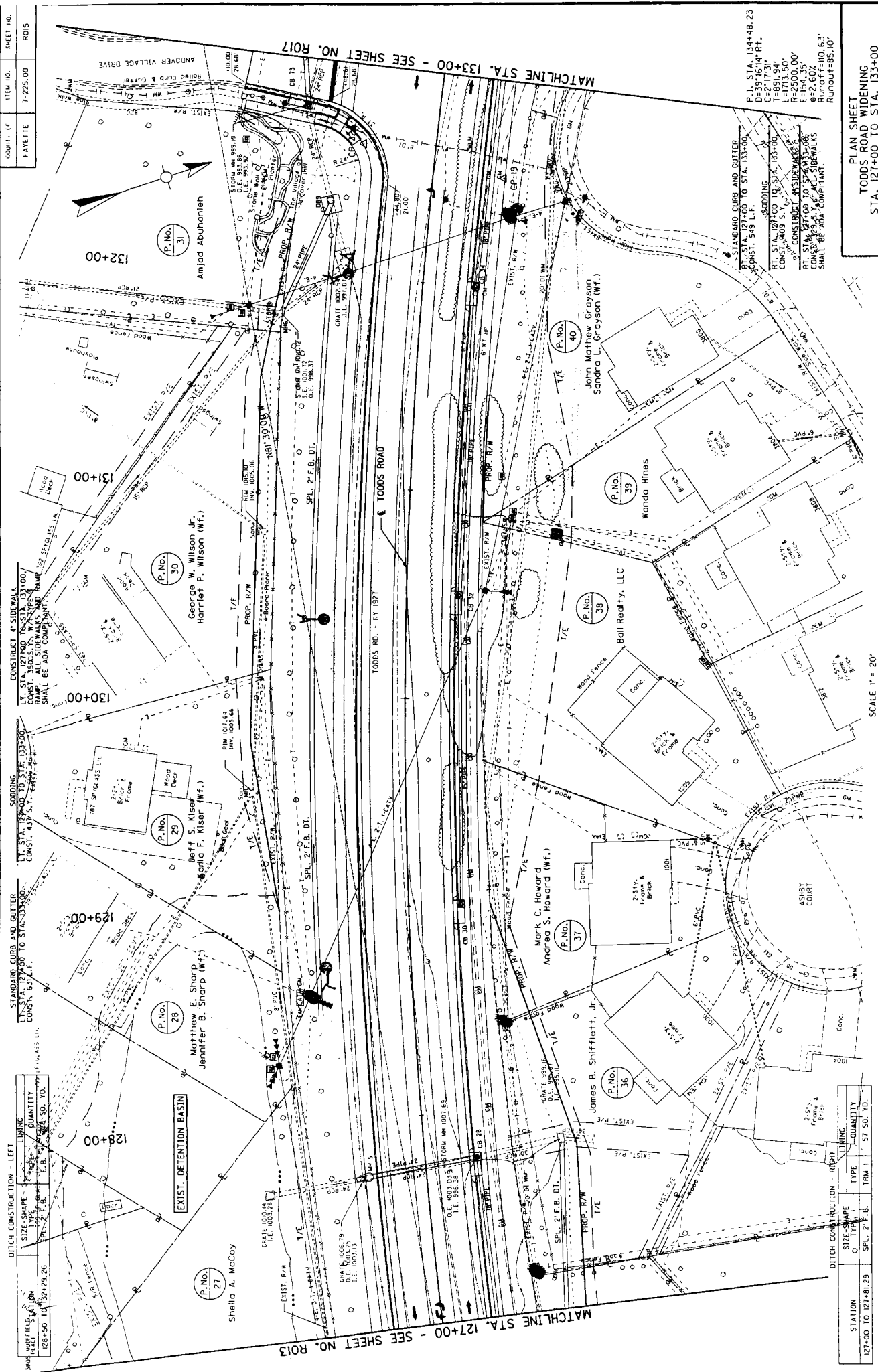
VALUERS STRUCTURE SIDEWALK

STATION	TYPE	QUANTITY
121+00 TO 122+00	CONC. 4" SIDEWALK	134 SQ. YD.

VALUERS STRUCTURE SIDEWALK
 FROM STA. 121+00 TO STA. 122+00.
 RAMP. ALL SIDEWALKS AND RAMPS
 SHALL BE ADA COMPLIANT.

PLAN SHEET
 TODD'S ROAD WIDENING
 STA. 121+00 TO STA. 127+00

COMPT. OF	ITEM NO.	SHEET NO.
FAYETTE	7-225.00	ROIS



DITCH CONSTRUCTION - LEFT	
STATION	QUANTITY
128+50 TO 132+28.26	57 SQ. YD.

DITCH CONSTRUCTION - RIGHT	
STATION	QUANTITY
127+00 TO 127+81.29	57 SQ. YD.

STANDARD CURB AND GUTTER	
STATION	QUANTITY
129+00 TO 133+00	57 SQ. YD.

CONSTRUCT 4\"/>	
130+00 TO 133+00	57 SQ. YD.

P.L. STA. 134+48.23
 C=271.03'
 T=891.94'
 L=1713.50'
 E=2500.00'
 E=194.35'
 RUNOUT=110.63'
 RUNOUT=85.10'

STANDARD CURB AND GUTTER
 RT STA. 127+00 TO STA. 133+00
 CONST. 548 L.F.
 RT STA. 127+00 TO STA. 133+00
 CONST. 548 L.F.
 RT STA. 127+00 TO STA. 133+00
 CONST. 548 L.F.
 RT STA. 127+00 TO STA. 133+00
 CONST. 548 L.F.

PLAN SHEET
 TODD'S ROAD WIDENING
 STA. 127+00 TO STA. 133+00

SCALE 1" = 20'

CONSTRUCT 4' SIDEWALKS
 FROM STA. 133+00 TO STA. 139+00.
 CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALL APPLICABLE CODES AND SHALL BE ADA COMPLIANT.

STANDARD CURB AND GUTTER
 FROM STA. 133+00 TO STA. 135+00.
 CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALL APPLICABLE CODES AND SHALL BE ADA COMPLIANT.

STANDARD CURB AND GUTTER
 FROM STA. 135+00 TO STA. 137+00.
 CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALL APPLICABLE CODES AND SHALL BE ADA COMPLIANT.

STANDARD CURB AND GUTTER
 FROM STA. 137+00 TO STA. 139+00.
 CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALL APPLICABLE CODES AND SHALL BE ADA COMPLIANT.

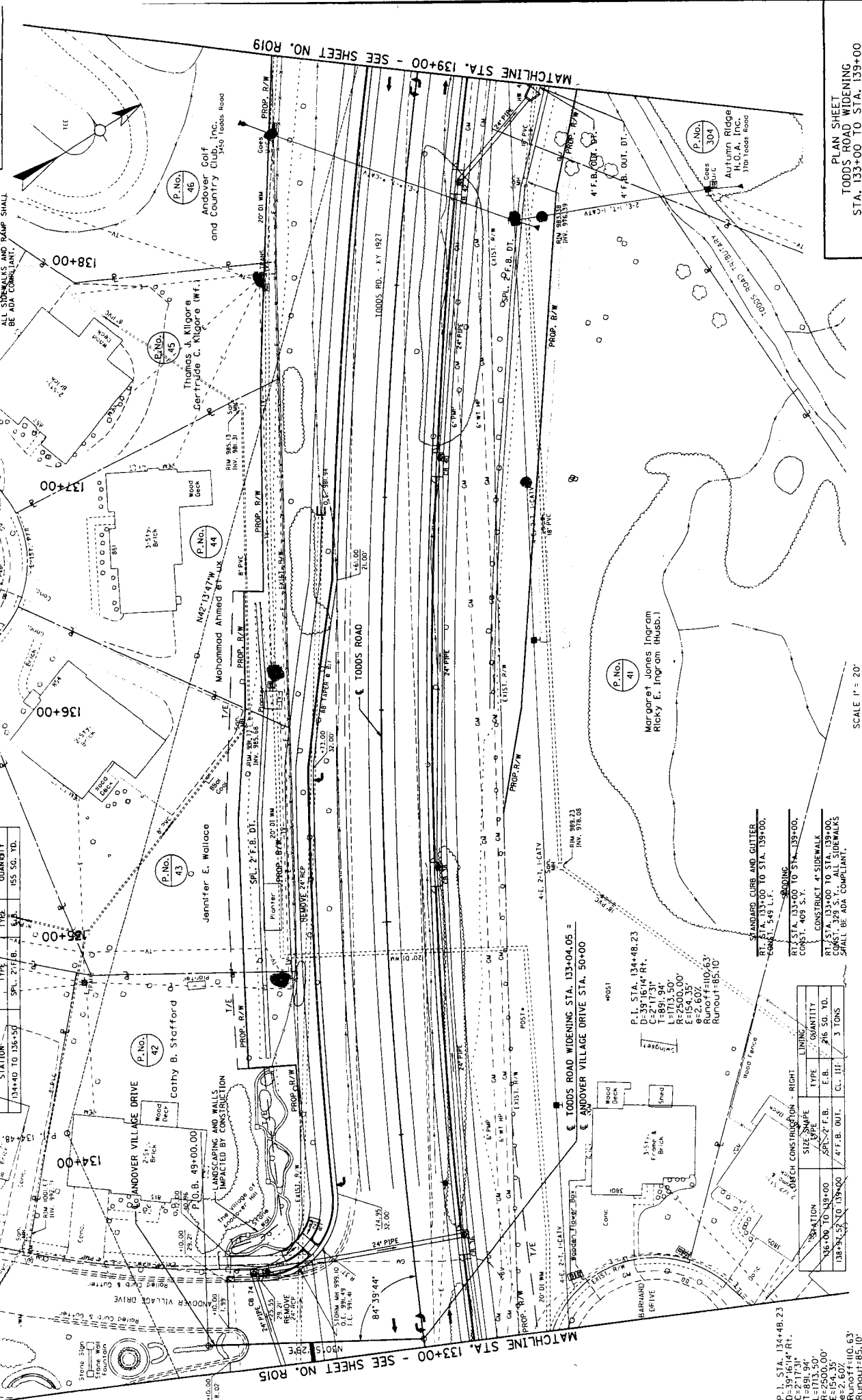
DITCH CONSTRUCTION - LEFT
 FROM STA. 134+40 TO 135+50
 SPL. 2'-1/2" B. & A. 155 SQ. YD.

DITCH CONSTRUCTION - RIGHT
 FROM STA. 138+50 TO 139+00
 SPL. 2'-1/2" B. & A. 3 TONS

CONSTRUCT 4' SIDEWALK
 FROM STA. 133+00 TO STA. 139+00.
 CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALL APPLICABLE CODES AND SHALL BE ADA COMPLIANT.

CONSTRUCT 4' SIDEWALK
 FROM STA. 133+00 TO STA. 139+00.
 CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALL APPLICABLE CODES AND SHALL BE ADA COMPLIANT.

CONSTRUCT 4' SIDEWALK
 FROM STA. 133+00 TO STA. 139+00.
 CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALL APPLICABLE CODES AND SHALL BE ADA COMPLIANT.



STATION	SITE-SHAPE	TYPE	QUANTITY
134+40 TO 135+50	SPL. 2'-1/2" B. & A.	DITCH	155 SQ. YD.

STATION	SITE-SHAPE	TYPE	QUANTITY
138+50 TO 139+00	SPL. 2'-1/2" B. & A.	DITCH	3 TONS

STATION	SITE-SHAPE	TYPE	QUANTITY
133+00 TO 139+00	SPL. 2'-1/2" B. & A.	4' F.B. SIDEWALK	216 SQ. YD.
133+00 TO 139+00	4' F.B. GUT.	CL. III	3 TONS

P. I. STA. 134+48.23
 D=39'16"14" RT.
 C=2'17"3"
 L=1713.50'
 R=2500.00'
 E=154.35'
 B=2.607'
 RUNOUT=85.10'

P. I. STA. 134+48.23
 D=39'16"14" RT.
 C=2'17"3"
 L=1713.50'
 R=2500.00'
 E=154.35'
 B=2.607'
 RUNOUT=85.10'

P. I. STA. 134+48.23
 D=39'16"14" RT.
 C=2'17"3"
 L=1713.50'
 R=2500.00'
 E=154.35'
 B=2.607'
 RUNOUT=85.10'

P. I. STA. 134+48.23
 D=39'16"14" RT.
 C=2'17"3"
 L=1713.50'
 R=2500.00'
 E=154.35'
 B=2.607'
 RUNOUT=85.10'

P. I. STA. 134+48.23
 D=39'16"14" RT.
 C=2'17"3"
 L=1713.50'
 R=2500.00'
 E=154.35'
 B=2.607'
 RUNOUT=85.10'

P. I. STA. 134+48.23
 D=39'16"14" RT.
 C=2'17"3"
 L=1713.50'
 R=2500.00'
 E=154.35'
 B=2.607'
 RUNOUT=85.10'

P. I. STA. 134+48.23
 D=39'16"14" RT.
 C=2'17"3"
 L=1713.50'
 R=2500.00'
 E=154.35'
 B=2.607'
 RUNOUT=85.10'

P. I. STA. 134+48.23
 D=39'16"14" RT.
 C=2'17"3"
 L=1713.50'
 R=2500.00'
 E=154.35'
 B=2.607'
 RUNOUT=85.10'

P. I. STA. 134+48.23
 D=39'16"14" RT.
 C=2'17"3"
 L=1713.50'
 R=2500.00'
 E=154.35'
 B=2.607'
 RUNOUT=85.10'

SCALE 1" = 20'

COMPT. OF	ITEM NO.	SHEET NO.
FAVETTE	7-225.00	R019

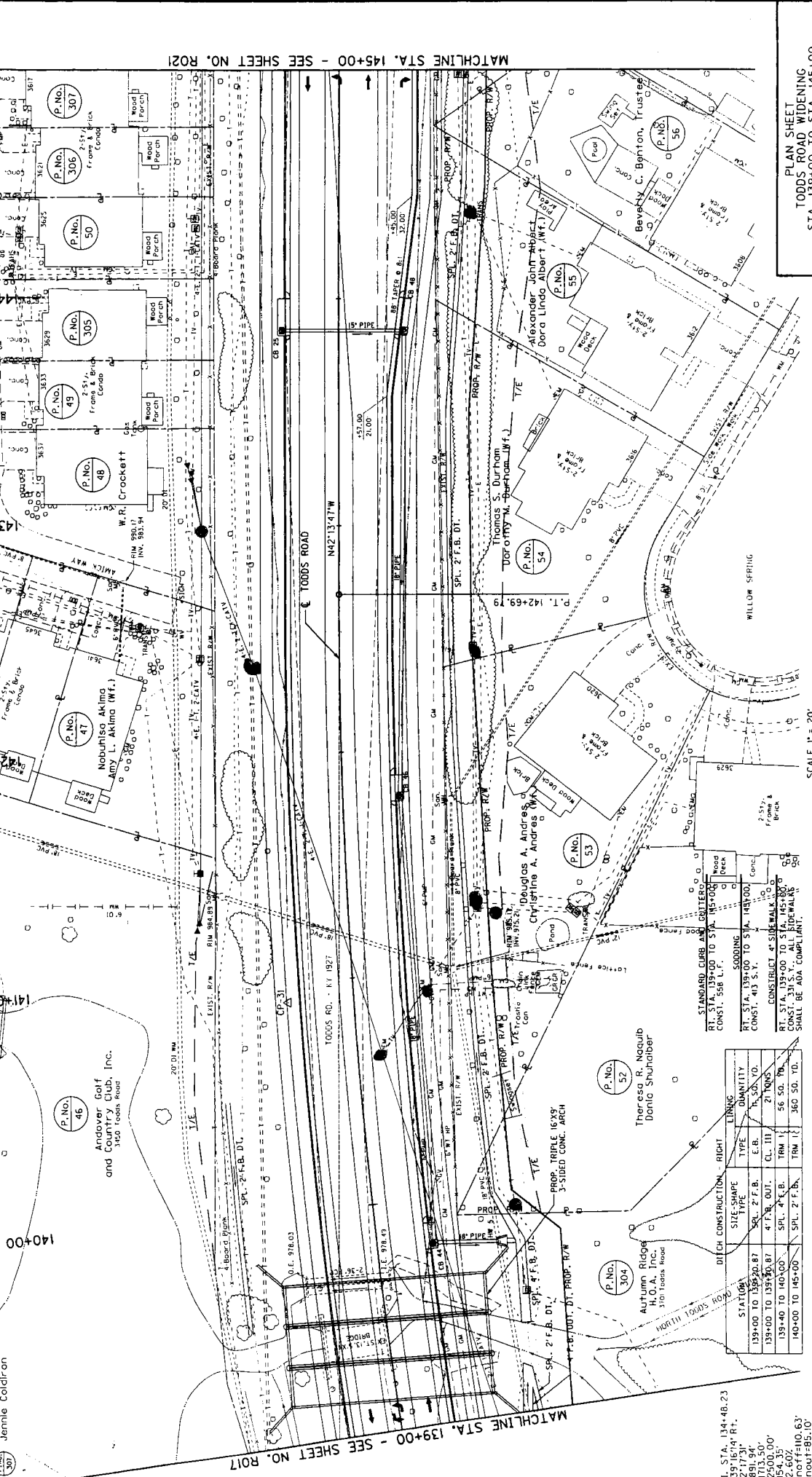
MATCHLINE STA. 145+00 - SEE SHEET NO. R021

STATION	SIZE	SHAPE	TYPE	LINKING		QUANTITY
				E.B.	T.F.F.B.	
139+50 TO 140+50	36"	F.B.	SPL.	4	21	360 SO. YD.

STATION	SIZE	SHAPE	TYPE	LINKING		QUANTITY
				E.B.	T.F.F.B.	
139+00 TO 139+50.87	4'	F.B.	SPL.	4	21	360 SO. YD.
139+00 TO 140+00	36"	F.B.	SPL.	4	21	360 SO. YD.
140+00 TO 145+00	36"	F.B.	SPL.	4	21	360 SO. YD.

MARY PATRICK
 DOUGLAS L. PRICE
 JILL M. RYDER
 RAYMOND J. CASNER
 ALICE H. CASNER (W.F.)
 JENNIE CALDIRON

P. NO.	49
P. NO.	50
P. NO.	51
P. NO.	52
P. NO.	53
P. NO.	54
P. NO.	55
P. NO.	56
P. NO.	57
P. NO.	58
P. NO.	59
P. NO.	60



MATCHLINE STA. 139+00 - SEE SHEET NO. R017

PLAN SHEET
 TODDS ROAD WIDENING
 STA. 139+00 TO STA. 145+00

SCALE 1" = 20'

P. I. STA. 134+48.23
 D=19.7644' RT.
 C=271.731'
 T=891.94'
 L=173.50'
 E=154.35'
 R=22.602'
 Runoff=110.63'
 Runoff=85.10'

STATION	SIZE	SHAPE	TYPE	LINKING		QUANTITY
				E.B.	T.F.F.B.	
139+00 TO 139+50.87	36"	F.B.	SPL.	4	21	360 SO. YD.
139+00 TO 139+50.87	4'	F.B.	OUT.	CL	111	21 TONS
139+40 TO 140+00	36"	F.B.	SPL.	4	21	360 SO. YD.
140+00 TO 145+00	36"	F.B.	SPL.	4	21	360 SO. YD.

STANDARD CURB AND GUTTER
 BT STA. 139+00 TO STA. 145+00
 CONST. 587 L.F.

STANDARD CURB AND GUTTER
 BT STA. 139+00 TO STA. 145+00
 CONST. 413 S.F.

STANDARD CURB AND GUTTER
 BT STA. 139+00 TO STA. 145+00
 CONST. 360 SO. YD.

STANDARD CURB AND GUTTER
 BT STA. 139+00 TO STA. 145+00
 CONST. 360 SO. YD.

CONSTRUCT 4" SIDEWALK
 BT STA. 139+00 TO STA. 145+00
 CONST. 426 S.F.

CONSTRUCT 4" SIDEWALK
 BT STA. 139+00 TO STA. 145+00
 CONST. 387 L.F.

CONSTRUCT 4" SIDEWALK
 BT STA. 139+00 TO STA. 145+00
 CONST. 360 SO. YD.

CONSTRUCT 4" SIDEWALK
 BT STA. 139+00 TO STA. 145+00
 CONST. 360 SO. YD.

CONSTRUCT 4" SIDEWALK
 BT STA. 139+00 TO STA. 145+00
 CONST. 360 SO. YD.

CONSTRUCT 4" SIDEWALK
 BT STA. 139+00 TO STA. 145+00
 CONST. 360 SO. YD.

CONSTRUCT 4" SIDEWALK
 BT STA. 139+00 TO STA. 145+00
 CONST. 360 SO. YD.

CONSTRUCT 4" SIDEWALK
 BT STA. 139+00 TO STA. 145+00
 CONST. 360 SO. YD.

CONSTRUCT 4" SIDEWALK
 BT STA. 139+00 TO STA. 145+00
 CONST. 360 SO. YD.

CONSTRUCT 4" SIDEWALK
 BT STA. 139+00 TO STA. 145+00
 CONST. 360 SO. YD.

CONSTRUCT 4" SIDEWALK
 BT STA. 139+00 TO STA. 145+00
 CONST. 360 SO. YD.

CONSTRUCT 4" SIDEWALK
 BT STA. 139+00 TO STA. 145+00
 CONST. 360 SO. YD.

CONSTRUCT 4" SIDEWALK
 BT STA. 139+00 TO STA. 145+00
 CONST. 360 SO. YD.

CONSTRUCT 4" SIDEWALK
 BT STA. 139+00 TO STA. 145+00
 CONST. 360 SO. YD.

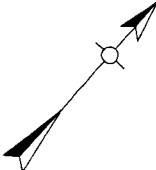
CONSTRUCT 4" SIDEWALK
 BT STA. 139+00 TO STA. 145+00
 CONST. 360 SO. YD.

CONSTRUCT 4" SIDEWALK
 BT STA. 139+00 TO STA. 145+00
 CONST. 360 SO. YD.

CONSTRUCT 4" SIDEWALK
 BT STA. 139+00 TO STA. 145+00
 CONST. 360 SO. YD.

QUANT. OF	ITEM NO.	SHEET NO.
FAYETTE	7-225-00	R021

MATCHLINE STA. 151+00 - SEE SHEET NO. R023



- P.No. 31 C. C. Weich, Jr.
- P.No. 32 Michael Marks
- P.No. 33 Mattie F. Marks (Wf.)
- P.No. 34 Jerold F. Combs
- P.No. 35 Chris Groven
- P.No. 36 Francie Groven (Wf.)
- P.No. 37 Rezvan Rahmatbadi

150+00

P.No. 46 Andover Golf and Country Club, Inc. 3450 Todds Road

- P.No. 58 Clyde Honaker, Jr. and Linda D. Honaker
- P.No. 59 P.O.B. 49+00
- P.No. 60 Dennis L. Treadway
- P.No. 61 John F. Collins (Wf.)
- P.No. 62 Daniel Joseph Kwasniewski and Julia R. H. Kwasniewski (Wf.)

149+00

P.No. 51 Forest Hill Drive

P.No. 308 Meadow Patch

146+00

P.No. 311 Standard Curb and Gutter

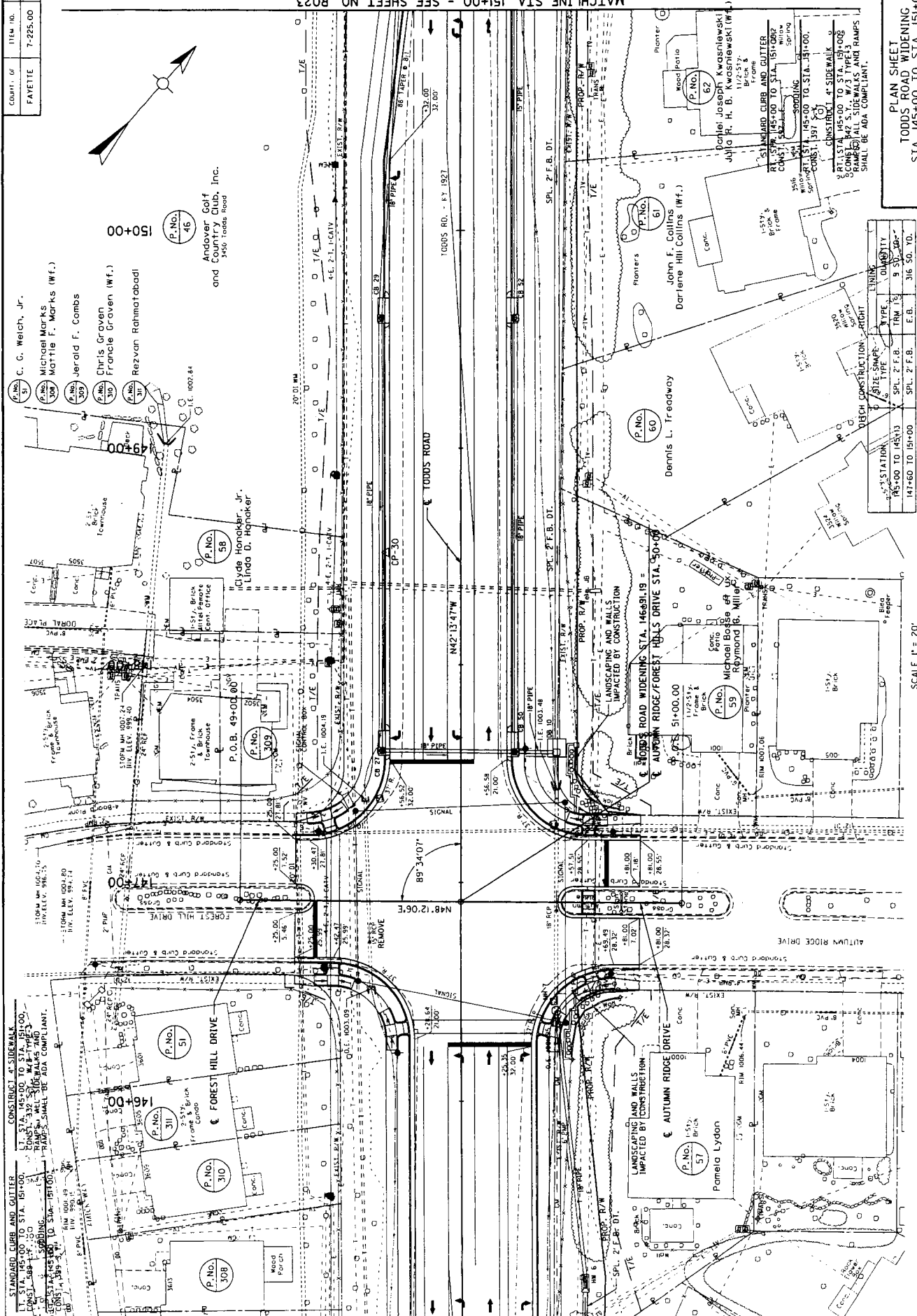
P.No. 309 2517, Frame & Brick Middlebrook

145+00

P.No. 310 PAMELA LYDON

P.No. 309 PAMELA LYDON

MATCHLINE STA. 145+00 - SEE SHEET NO. R019



STATION		TYPE		QUANTITY	
145+00 TO 148+13	SPL. 2 F.F.B.	TRM	5	SP. 20'-	
147+60 TO 151+00	SPL. 2 F.F.B.	E.B.	316	SO. 70'	

PLAN SHEET
TODDS ROAD WIDENING
STA. 145+00 TO STA. 151+00

SCALE 1" = 20'

P. I. STA. 157+01.15
 0-22' 35.32' Lt.
 Ls=291.07
 Ls=175.00
 Lc=225.62
 Ls=5'00' 48"
 Ls=1' 00' 00"
 Ls=1' 00' 00"
 R=10000.00'
 Es=21.75'
 8-3.80%
 Runoff=115.00'
 Runoff=85.10'

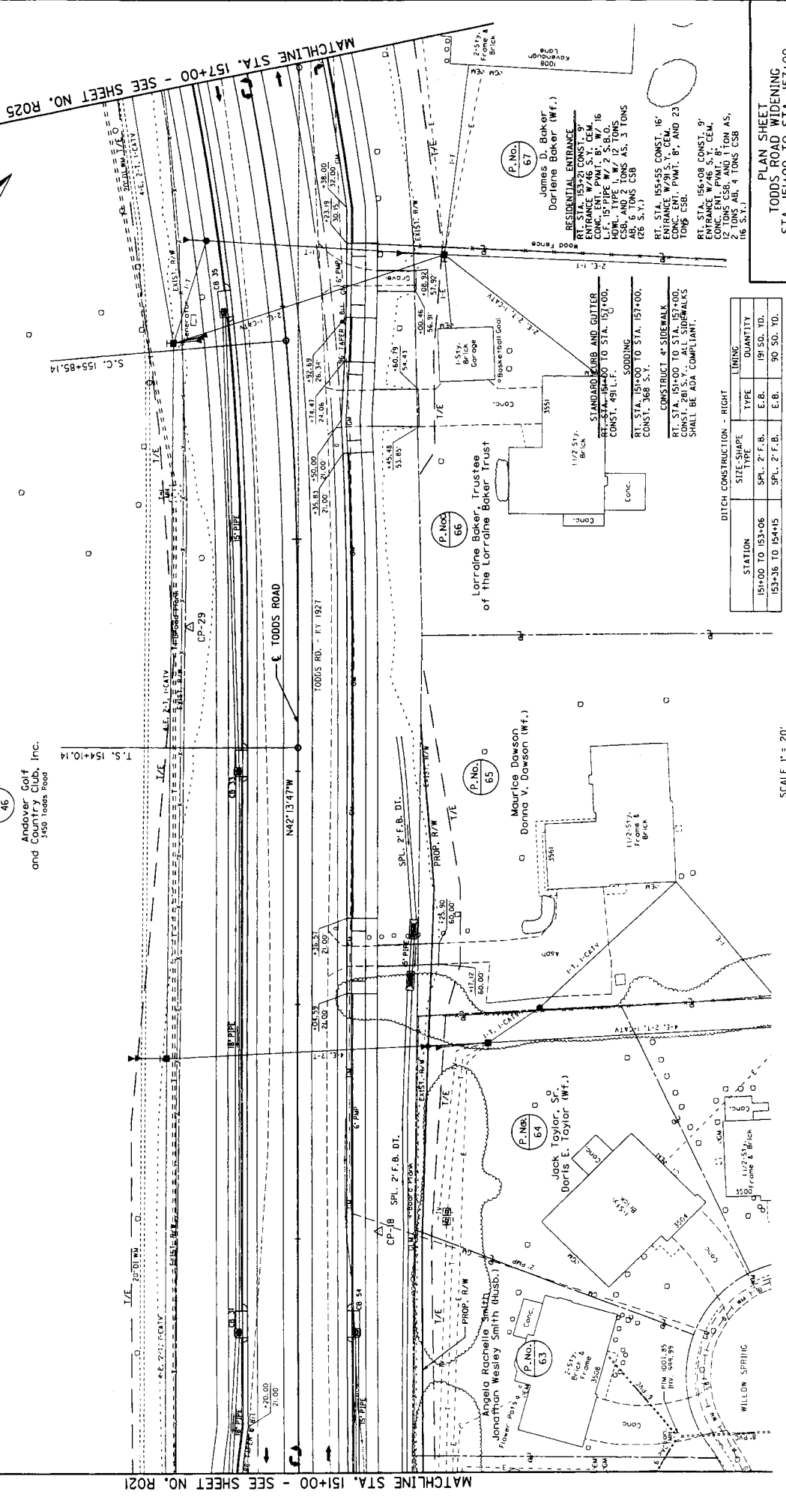
P. No. 46
 Andover Golf
 and Country Club, Inc.
 1450 Todd's Road

CONSTRUCTION - 4" SIDE WALK
 C.T. STA. 153+00 TO STA. 157+00
 CONST. 2" F.F.B. SIDEWALKS
 SHALL BE ADA COMPLIANT.

SODDING
 C.T. STA. 153+00 TO STA. 157+00
 CONST. 2" F.F.B.

STANDARD CURB AND GUTTER
 C.T. STA. 151+00 TO STA. 157+00
 CONST. 3" F.F.B.

CONSTRUCTION - RIGHT
 DITCH CONSTRUCTION - RIGHT
 RT. STA. 151+00 TO STA. 157+00
 CONST. 368 S.Y.
 RT. STA. 151+00 TO STA. 157+00
 CONST. 280 S.Y. - ALL SIDEWALKS
 SHALL BE ADA COMPLIANT.



MATCHLINE STA. 151+00 - SEE SHEET NO. R021

MATCHLINE STA. 157+00 - SEE SHEET NO. R023

STATION	SIZE	SHAPE	LINING	QUANTITY
151+00 TO 153+00	2' F.F.B.	E.B.	E.B.	191.50 YD.
153+00 TO 157+00	2' F.F.B.	E.B.	E.B.	90.50 YD.

PLAN SHEET
 TODD'S ROAD WIDENING
 STA. 151+00 TO STA. 157+00

SCALE 1" = 20'

RESIDENTIAL ENTRANCE
 James D. Baker
 Darlene Baker (Wf.)
 ENTRANCE W/46 S.Y. CEM.
 CONC. ENT. PMNT. 8' W/ 16
 HIGH TYPE W/ 7 S.B.O.S.
 CSB. AND 2 TONS AS. 3 TONS
 AB. 6 TONS CSB
 126 S.Y.

RESIDENTIAL ENTRANCE
 Lorraine Baker, Trustee
 of the Lorraine Baker Trust
 11/2 5 1/2"
 Brick
 3551

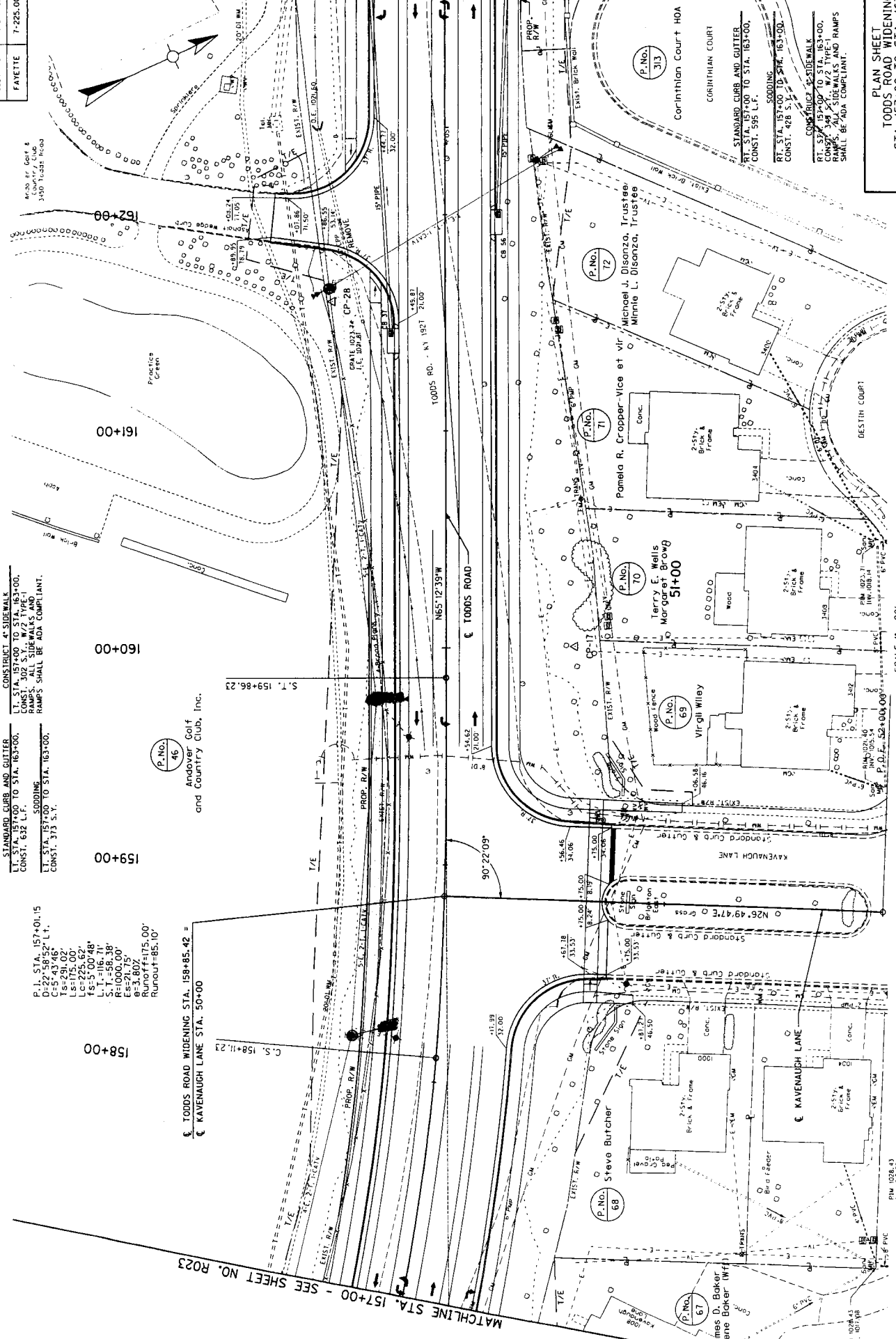
RESIDENTIAL ENTRANCE
 Maurice Dawson
 Donna V. Dawson (Wf.)
 11/2 5 1/2"
 Frame & Brick
 3551

RESIDENTIAL ENTRANCE
 Angela Rachelle Smith
 Jonathan Wesley Smith (Husb.)
 Flower Pot
 2 1/2"
 Brick & Frame
 3558

RESIDENTIAL ENTRANCE
 Jack Taylor, Sr.
 Doris E. Taylor (Wf.)
 2 1/2"
 Brick & Frame
 3558

CONTR. OF	ITEM NO.	SHEET NO.
FAYETTE	7-225.00	R025

MATCHLINE STA. 163+00 - SEE SHEET NO. R027



STANDARD CURB AND GUTTER
 LT. STA. 157+00 TO STA. 163+00.
 CONST. 302 S.Y., W/2 TYPE-1
 RAMP. ALL SIDEWALKS AND
 RAMP. SHALL BE ADA COMPLIANT.

SODDING
 LT. STA. 157+00 TO STA. 163+00.
 CONST. 373 S.Y.

CONSTRUCT 4' SIDEWALK
 LT. STA. 157+00 TO STA. 163+00.
 CONST. 302 S.Y., W/2 TYPE-1
 RAMP. ALL SIDEWALKS AND
 RAMP. SHALL BE ADA COMPLIANT.

P.1 - STA. 157+01.15
 D=22'58"52" L.T.
 C=5'43"46"
 T=2'31"02"
 L=225.62'
 L.T.=116.71'
 S.T.=58.38'
 E=21.35'
 θ=3.802°
 Runoff=175.00'
 Runout=85.10'

P.No. 46
 Andover Golf
 and Country Club, Inc.

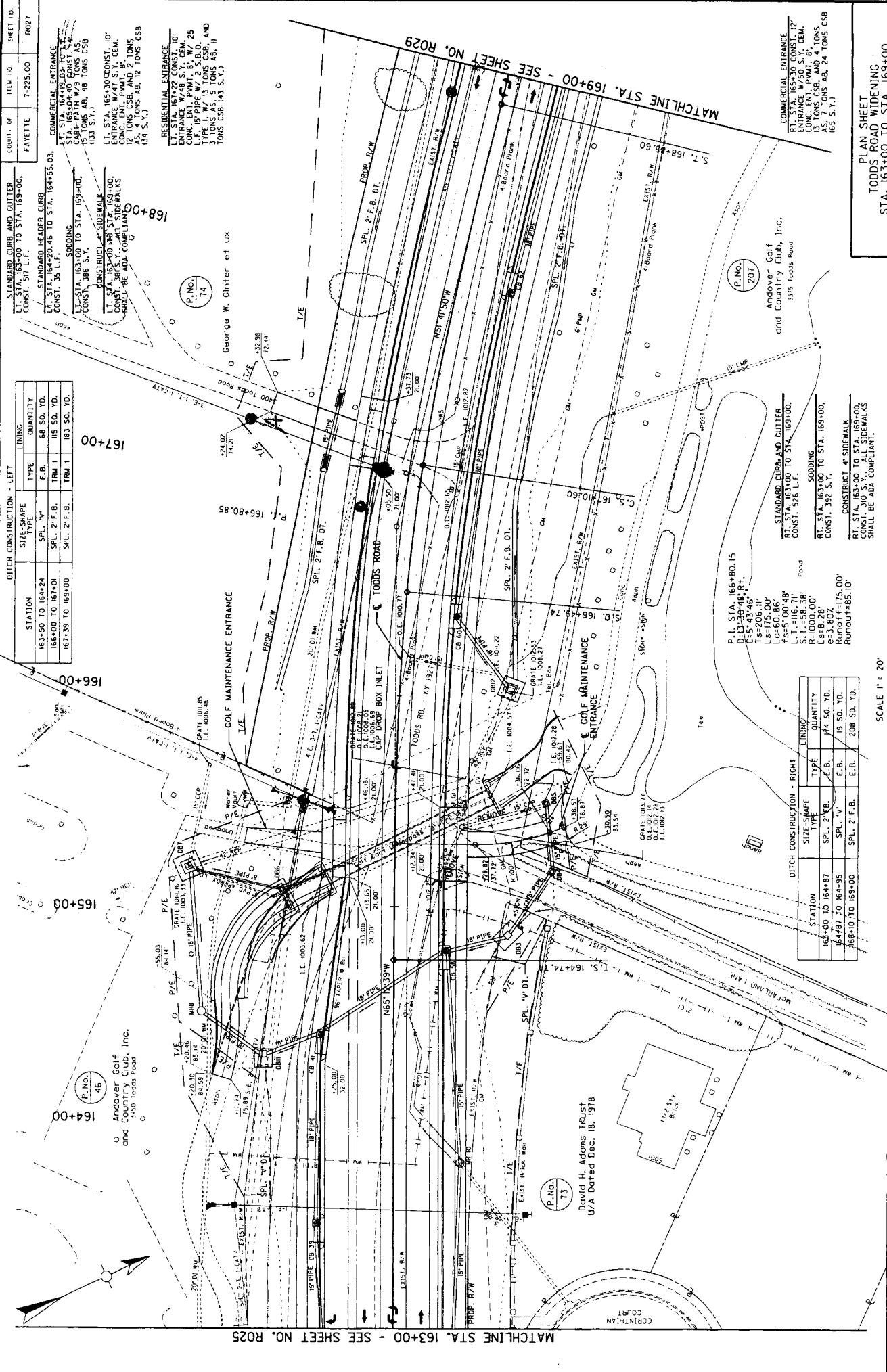
⊥ TODDS ROAD WIDENING STA. 158+85.42 =
 ⊥ KAVERNAUGH LANE STA. 50+00

MATCHLINE STA. 157+00 - SEE SHEET NO. R023

PLAN SHEET
 TODDS ROAD WIDENING
 STA. 157+00 TO STA. 163+00

SCALE 1" = 20'

REV. 001/08
 REV. 002/08



165+00 MATCHLINE STA. 163+00 - SEE SHEET NO. R025

MATCHLINE STA. 169+00 - SEE SHEET NO. R029

STANDARD CURB AND GUTTER
 CONST. 517 L.F.
 L.I. STA. 163+00 TO STA. 169+00

STANDARD HEADER CURB
 CONST. 35 L.F.
 L.I. STA. 164+20.46 TO STA. 164+25.03

COMMERCIAL ENTRANCE
 STA. 165+04.40 CONST. 4.7'
 15 TONS AB, 48 TONS CSB
 (133 S.Y.)

RESIDENTIAL ENTRANCE
 STA. 165+30 CONST. 10'
 ENTRANCE W/4" S.Y. CEM.
 CONC. ENT. P.V.M.T. 8" TONS
 AS, 4 TONS AB, 12 TONS CSB
 (34 S.Y.)

CONSTRUCT 4" SIDEWALK
 CONST. 392 S.Y.
 RT. STA. 163+00 TO STA. 169+00

CONSTRUCT 4" SIDEWALK
 CONST. 392 S.Y.
 RT. STA. 163+00 TO STA. 169+00

CONSTRUCT 4" SIDEWALK
 CONST. 392 S.Y.
 RT. STA. 163+00 TO STA. 169+00

CONSTRUCT 4" SIDEWALK
 CONST. 392 S.Y.
 RT. STA. 163+00 TO STA. 169+00

CONSTRUCT 4" SIDEWALK
 CONST. 392 S.Y.
 RT. STA. 163+00 TO STA. 169+00

CONSTRUCT 4" SIDEWALK
 CONST. 392 S.Y.
 RT. STA. 163+00 TO STA. 169+00

CONSTRUCT 4" SIDEWALK
 CONST. 392 S.Y.
 RT. STA. 163+00 TO STA. 169+00

CONSTRUCT 4" SIDEWALK
 CONST. 392 S.Y.
 RT. STA. 163+00 TO STA. 169+00

CONSTRUCT 4" SIDEWALK
 CONST. 392 S.Y.
 RT. STA. 163+00 TO STA. 169+00

CONSTRUCT 4" SIDEWALK
 CONST. 392 S.Y.
 RT. STA. 163+00 TO STA. 169+00

CONSTRUCT 4" SIDEWALK
 CONST. 392 S.Y.
 RT. STA. 163+00 TO STA. 169+00

CONSTRUCT 4" SIDEWALK
 CONST. 392 S.Y.
 RT. STA. 163+00 TO STA. 169+00

CONSTRUCT 4" SIDEWALK
 CONST. 392 S.Y.
 RT. STA. 163+00 TO STA. 169+00

CONSTRUCT 4" SIDEWALK
 CONST. 392 S.Y.
 RT. STA. 163+00 TO STA. 169+00

CONSTRUCT 4" SIDEWALK
 CONST. 392 S.Y.
 RT. STA. 163+00 TO STA. 169+00

CONSTRUCT 4" SIDEWALK
 CONST. 392 S.Y.
 RT. STA. 163+00 TO STA. 169+00

CONSTRUCT 4" SIDEWALK
 CONST. 392 S.Y.
 RT. STA. 163+00 TO STA. 169+00

CONSTRUCT 4" SIDEWALK
 CONST. 392 S.Y.
 RT. STA. 163+00 TO STA. 169+00

CONSTRUCT 4" SIDEWALK
 CONST. 392 S.Y.
 RT. STA. 163+00 TO STA. 169+00

CONSTRUCT 4" SIDEWALK
 CONST. 392 S.Y.
 RT. STA. 163+00 TO STA. 169+00

STATION	DITCH CONSTRUCTION - LEFT	
	SIZE/SHAPE	QUANTITY
163+50 TO 164+24	SPL. 2" F.B.	68 SO. YD.
164+00 TO 167+00	SPL. 2" F.B.	115 SO. YD.
167+35 TO 169+00	SPL. 2" F.B.	183 SO. YD.

STATION	DITCH CONSTRUCTION - RIGHT	
	SIZE/SHAPE	QUANTITY
164+00 TO 164+87	SPL. 2" F.B.	174 SO. YD.
164+87 TO 164+95	SPL. 2" F.B.	19 SO. YD.
168+70 TO 169+00	SPL. 2" F.B.	208 SO. YD.

SCALE 1" = 20'

PLAN SHEET
 TODD'S ROAD WIDENING
 STA. 163+00 TO STA. 169+00

P. No. 45
 Andover Golf
 and Country Club, Inc.
 3400 Todd's Road

P. No. 73
 David H. Adams Trust
 U/A Dated Dec. 18, 1978

P. No. 201
 Andover Golf
 and Country Club, Inc.
 3415 Todd's Road

P. L. STA. 166+80.15
 163+00 TO 169+00 RT.
 Ls=206.11
 Lc=60.86
 Es=5'00" / 48'
 Ls=118.25
 R=1000.00'
 Es=8.28'
 e=3.60Z
 Runout=175.00'
 Runout=85.10'

STANDARD CURB-AND GUTTER
 RT. STA. 163+00 TO STA. 169+00.
 CONST. 526 L.F.

STANDARD CURB-AND GUTTER
 RT. STA. 163+00 TO STA. 169+00.
 CONST. 526 L.F.

STANDARD CURB-AND GUTTER
 RT. STA. 163+00 TO STA. 169+00.
 CONST. 526 L.F.

STANDARD CURB-AND GUTTER
 RT. STA. 163+00 TO STA. 169+00.
 CONST. 526 L.F.

STANDARD CURB-AND GUTTER
 RT. STA. 163+00 TO STA. 169+00.
 CONST. 526 L.F.

STANDARD CURB-AND GUTTER
 RT. STA. 163+00 TO STA. 169+00.
 CONST. 526 L.F.

STANDARD CURB-AND GUTTER
 RT. STA. 163+00 TO STA. 169+00.
 CONST. 526 L.F.

STANDARD CURB-AND GUTTER
 RT. STA. 163+00 TO STA. 169+00.
 CONST. 526 L.F.

STANDARD CURB-AND GUTTER
 RT. STA. 163+00 TO STA. 169+00.
 CONST. 526 L.F.

STANDARD CURB-AND GUTTER
 RT. STA. 163+00 TO STA. 169+00.
 CONST. 526 L.F.

RESIDENTIAL ENTRANCE
 LT. STA. 169+59 CONST. 10'
 ENTRANCE WALL S. 1/4' C&G
 L.F. 15' PIPE W/ 2 S.B.O. 25'
 TYPE L. W/ 12 TONS CSB, AND
 TONS CSB 150 S.Y. 1' AB. 12'

CONSTRUCT 4" SIDEWALK
 LT. STA. 169+00 TO STA. 175+00
 CONST. 315 S.Y. ALL SIDEWALKS
 SHALL BE ADA COMPLIANT.

STANDARD CURB AND GUTTER
 LT. STA. 169+00 TO STA. 175+00
 CONST. 533 L.F.

SOODING
 LT. STA. 169+00 TO STA. 175+00
 CONST. 398 S.Y.

CONSTRUCT 4" SIDEWALK
 LT. STA. 169+00 TO STA. 175+00
 CONST. 315 S.Y. ALL SIDEWALKS
 SHALL BE ADA COMPLIANT.

STANDARD CURB AND GUTTER
 LT. STA. 169+00 TO STA. 175+00
 CONST. 533 L.F.

SOODING
 LT. STA. 169+00 TO STA. 175+00
 CONST. 398 S.Y.

CONSTRUCT 4" SIDEWALK
 LT. STA. 169+00 TO STA. 175+00
 CONST. 315 S.Y. ALL SIDEWALKS
 SHALL BE ADA COMPLIANT.

STATION	SIZE-SHAPE TYPE	TYPE	QUANTITY
169+00 TO 169+12	SPL. 2' F.B.	IRM 1	30 SO. YD.
169+12 TO 172+00	SPL. 2' F.B.	E.B.	212 SO. YD.

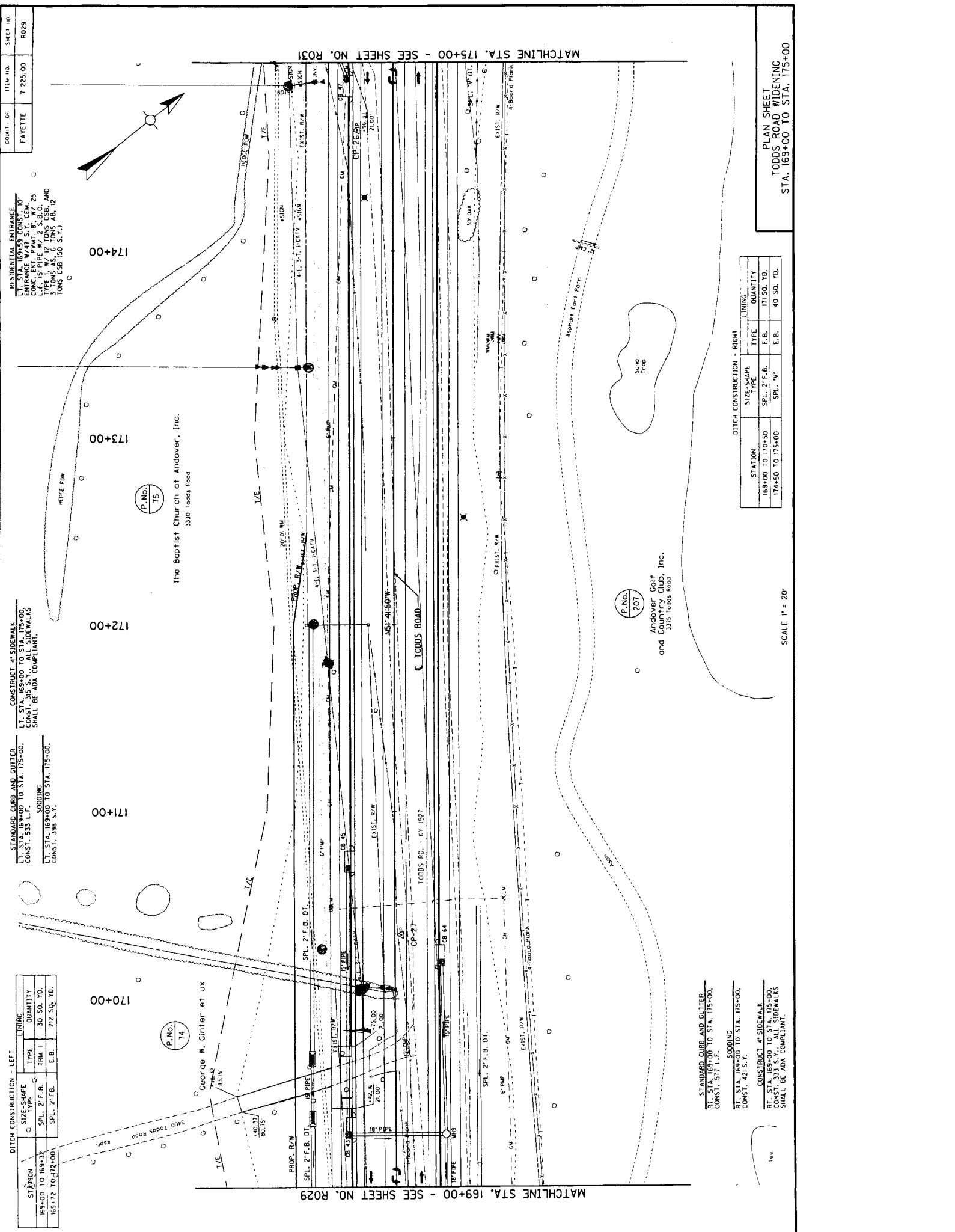
STATION	SIZE-SHAPE TYPE	TYPE	QUANTITY
169+00 TO 170+50	SPL. 2' F.B.	E.B.	171 SO. YD.
174+50 TO 175+00	SPL. "V"	E.B.	40 SO. YD.

DITCH CONSTRUCTION - LEFT

DITCH CONSTRUCTION - RIGHT

SCALE 1" = 20'

PLAN SHEET
 TODD'S ROAD WIDENING
 STA. 169+00 TO STA. 175+00



MATCHLINE STA. 169+00 - SEE SHEET NO. R029

MATCHLINE STA. 175+00 - SEE SHEET NO. R031

Quant. of	ITEM NO.	SHEET NO.
FAYETTE	7-225.00	ROJ1

DITCH CONSTRUCTION - LEFT			
STATION	SIZE-SHAPE	TYPE	QUANTITY
176+00 TO 177+00	SPL. 2'	E.B.	114 SQ. YD.

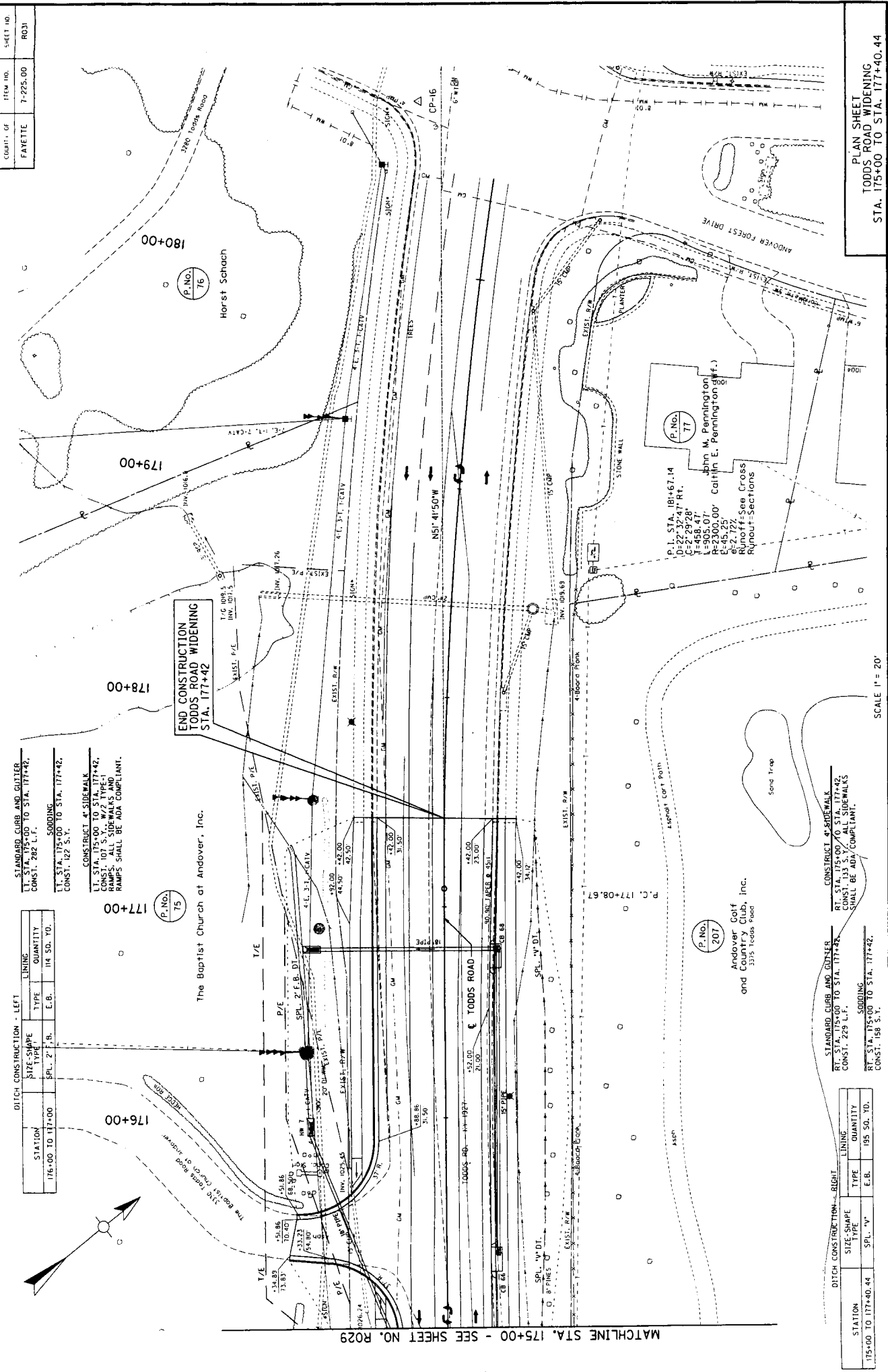
DITCH CONSTRUCTION - RIGHT			
STATION	SIZE-SHAPE	TYPE	QUANTITY
175+00 TO 177+00.44	SPL. "V"	E.B.	195 SQ. YD.

STANDARD CURB AND GUTTER
 RT. STA. 175+00 TO STA. 177+42,
 CONST. 282 L.F.
 SODDING
 RT. STA. 175+00 TO STA. 177+42,
 CONST. 122 S.V.

STANDARD CURB AND GUTTER
 RT. STA. 175+00 TO STA. 177+42,
 CONST. 229 L.F.
 SODDING
 RT. STA. 175+00 TO STA. 177+42,
 CONST. 158 S.V.

END CONSTRUCTION
 TODDS ROAD WIDENING
 STA. 177+42

PLAN SHEET
 TODDS ROAD WIDENING
 STA. 175+00 TO STA. 177+40.44



SCALE 1" = 20'

MATCHLINE STA. 175+00 - SEE SHEET NO. R029

P. No. 207

Andover Golf and Country Club, Inc.
 2375 Todds Road

P. No. 71
 John M. Pennington
 Cathryn E. Pennington (W.F.)
 P. I. STA. 181+67.14
 D=22'-32.47' RT.
 C=5'-29.78'
 L=905.07'
 R=2300.00'
 E=45.25'
 B=2.177'
 Runoff-See Cross
 Report-Sections

The Baptist Church at Andover, Inc.

Horst Schach

ANDOVER FOREST DRIVE

Sand Trap