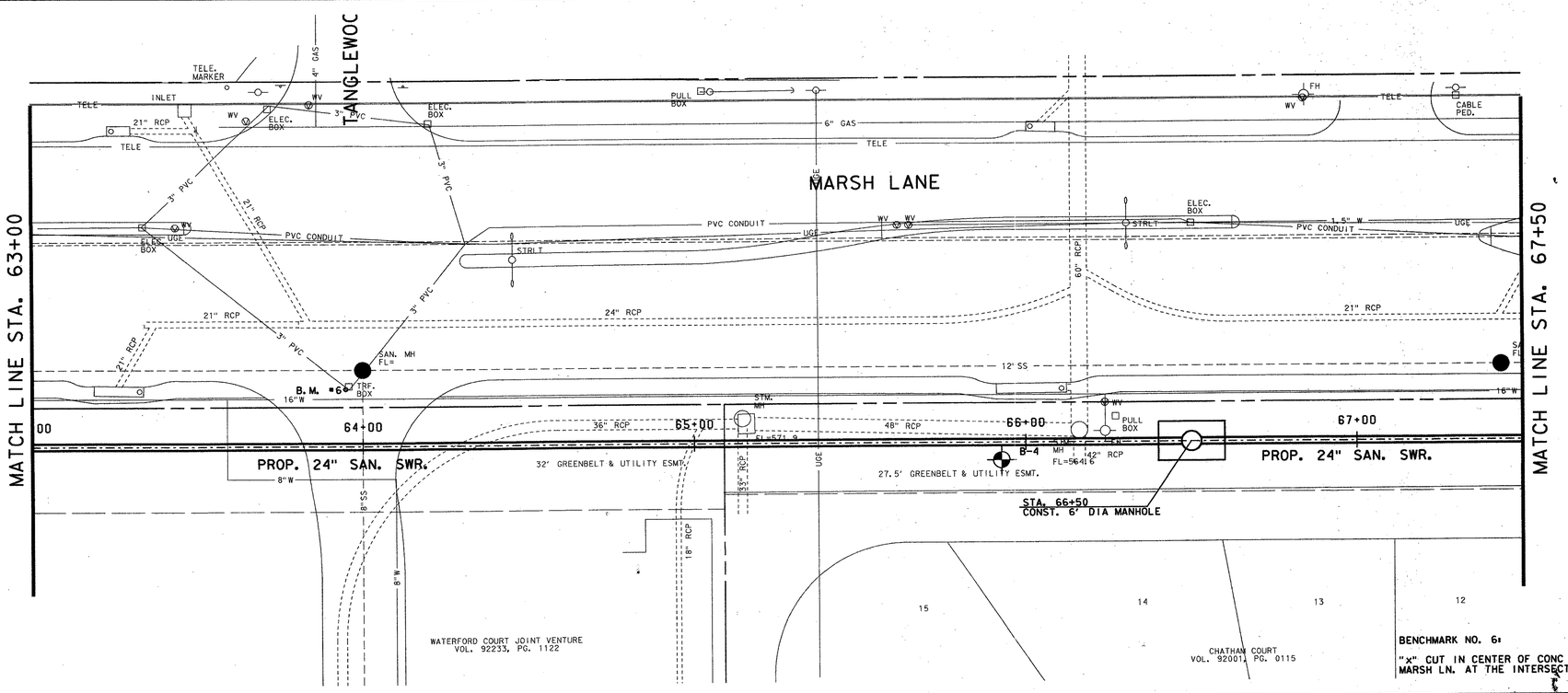
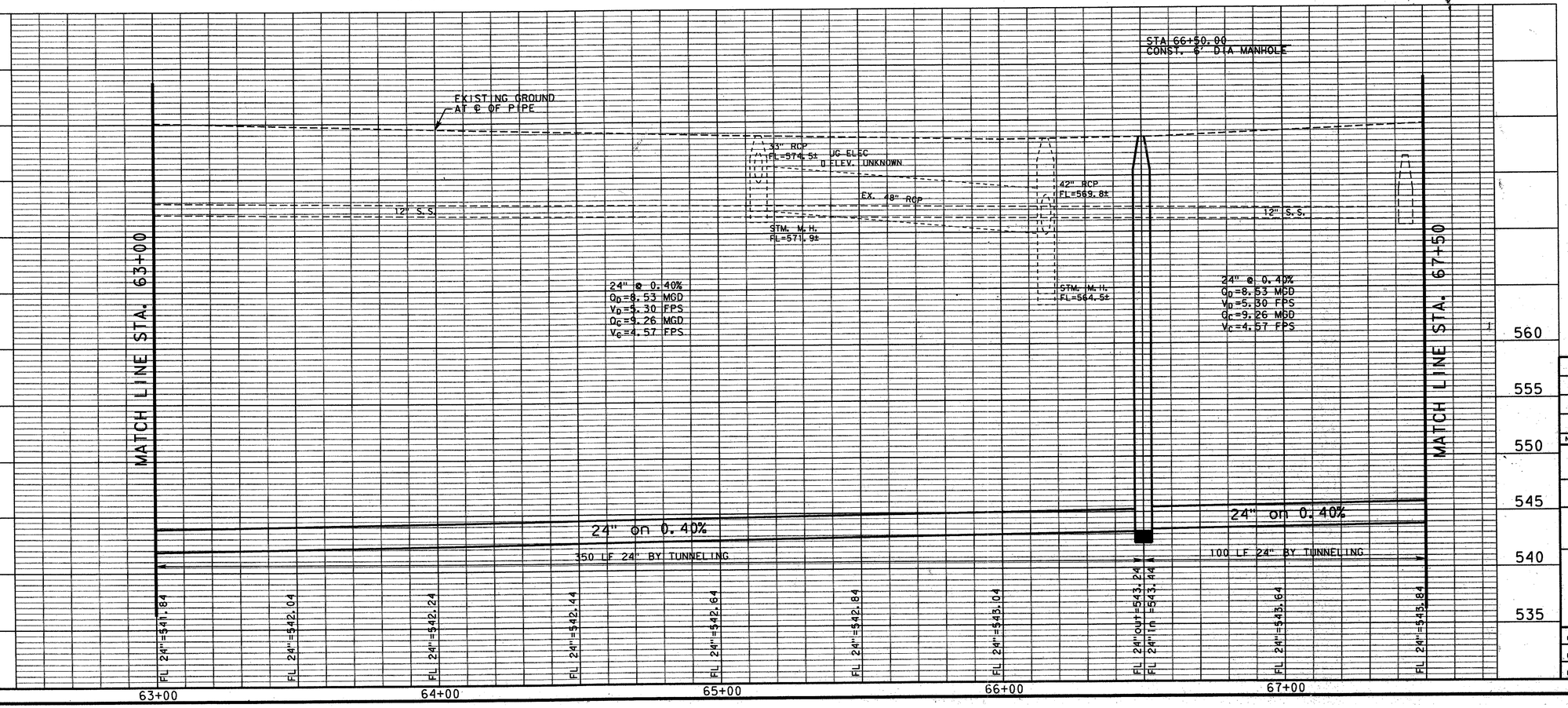


BENCHMARK NO. 6:

"X" CUT IN CENTER OF CONC WALK EAST SIDE OF MARSH LN. AT THE INTERSECTION OF TANGLEWOOD. ELEV. 577.40



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GRAPHIC SCALE IN FEET

John H. Lindner
7/22/94

NO.	DATE	REVISION	APPROV.
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TOWN OF ADDISON, TEXAS

MARSH LANE SEWER INTERCEPTOR

SANITARY SEWER PLAN & PROFILE

FROM STATION 63+00 TO STATION 67+50

Carter :: Burgess

Consultants in Engineering, Architecture, Planning and the Environment

CARTER & BURGESS, INC.
7950 ELMBROOK DRIVE, SUITE 250
DALLAS, TX 75247-4961

Unit		Scale	Horiz. 1"=20' Vert. 1"=5'	Date	07-22-94
Designed	D. Desen	Checked	J. Lindner	Job No.	933154010
Drawn	B. Sowels	Approved	J. Lindner	Sheet	18 of 32

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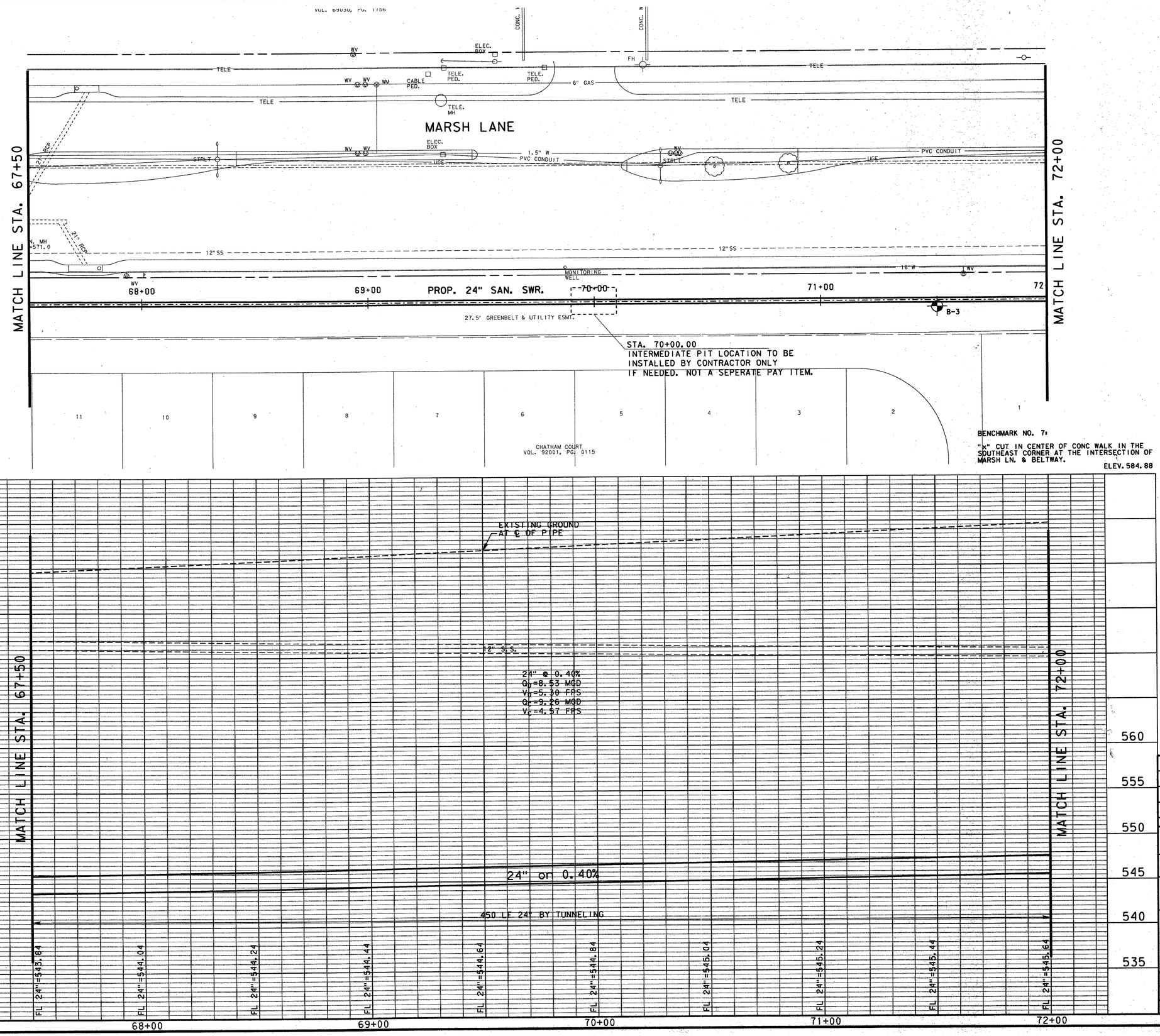

John H. Lindner
7/22/94

NO.	DATE	REVISION	APPROV.
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TOWN OF ADDISON, TEXAS

MARSH LANE SEWER INTERCEPTOR

SANITARY SEWER PLAN & PROFILE

FROM STATION 67+50 TO STATION 72+00

Carter :: Burgess

Consultants in Engineering, Architecture, Planning and the Environment

CARTER & BURGESS, INC.
7950 ELMBROOK DRIVE, SUITE 250
DALLAS, TX 75247-4963

Unit		Scale	Horiz. 1"=20' Vert. 1"=5'	Date	07-22-94
Designed	D. Desen	Checked	J. Lindner	Job No.	933154010
Drawn	B. Sowels	Approved	J. Lindner	Sheet	19 of 32

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B17-5
MARSH/
BELTLINE
INTERCEPTOR

TOWN OF ADDISON, TEXAS

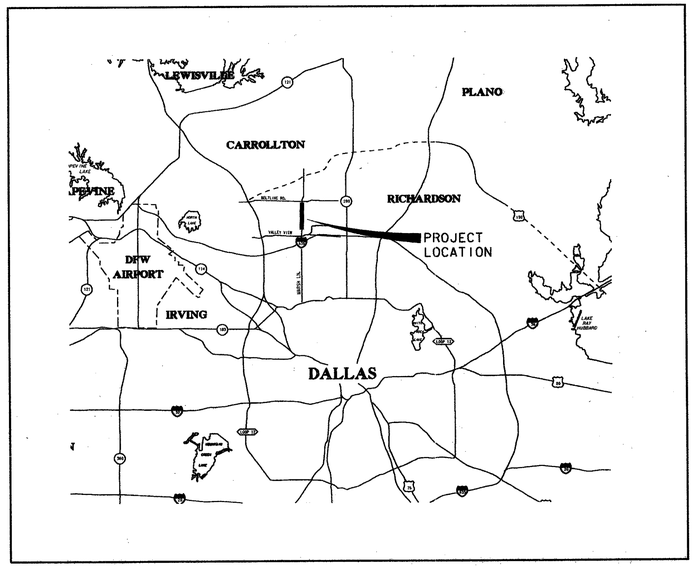
MARSH LANE SEWER INTERCEPTOR

FROM FARMERS BRANCH CREEK TO RAWHIDE CREEK

JULY 1994

TOWN OF
ADDISON

N
N.T.S.



VICINITY MAP

SUBMITTED BY:

CARTER & BURGESS, INC. John Lindner - Project Manager 7/22/94 Date

APPROVED BY:

TOWN OF ADDISON John Baumgartner - Director of Public Works Date

STATE OF TEXAS
JOHN H. LINDNER
64694
REGISTERED
PROFESSIONAL ENGINEER
John H. Lindner
7/22/94

CONSTRUCTION SET
ISSUED BY
TOWN OF ADDISON
PUBLIC WORKS DEPARTMENT
NAME: David Nightingale DATE: 9/23/94

From BELTLINE to Midway Rd.

B17-5
MARSH SEWER
INTERCEPTOR

Carter & Burgess
Consultants in Engineering, Architecture, Planning and the Environment
CARTER & BURGESS, INC.
7950 ELMBROOK DRIVE, SUITE 250
DALLAS, TX 75247-4961

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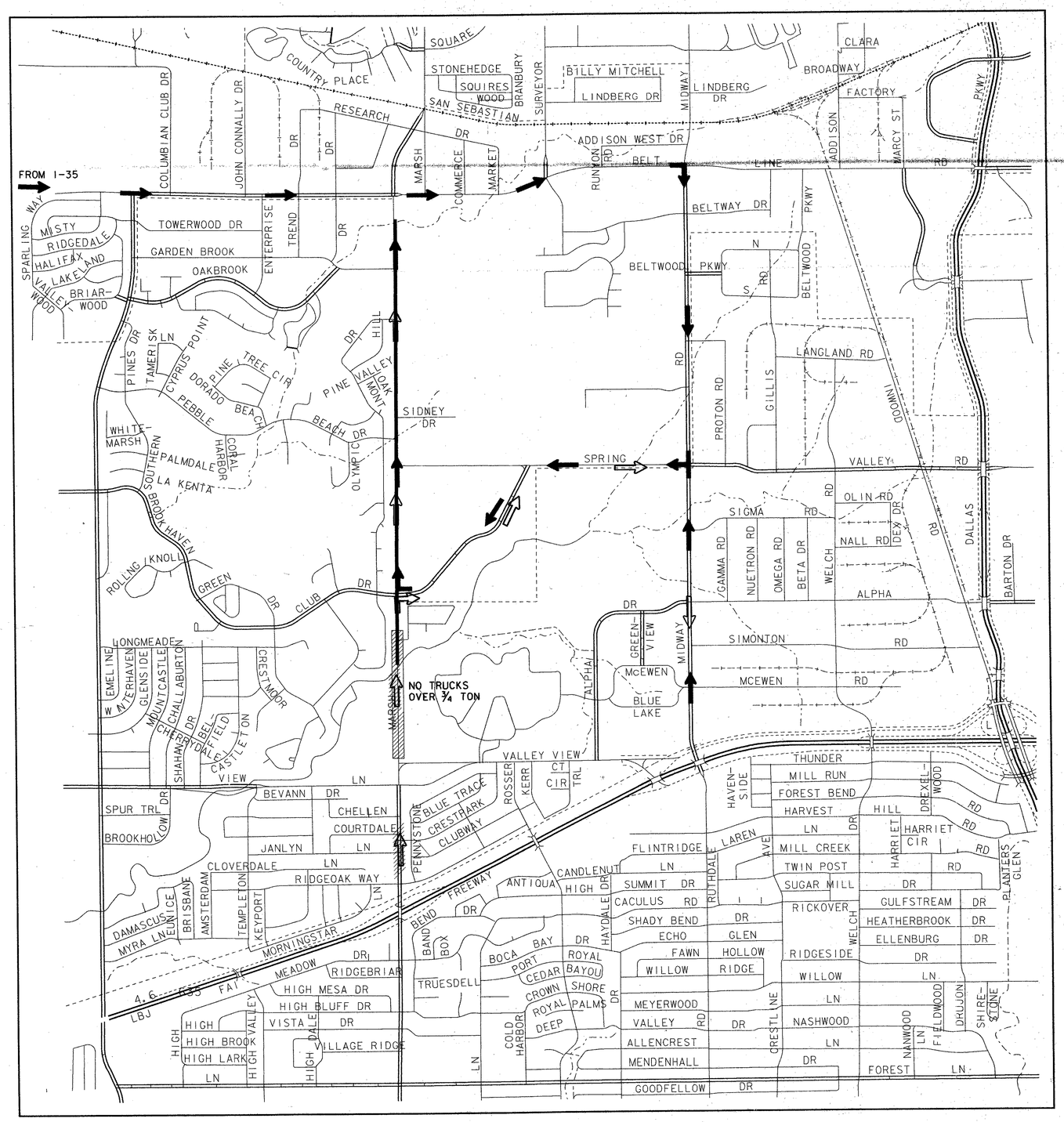

⇨ POSSIBLE TRUCK ROUTE FOR WORK SOUTH OF BROOKHAVEN CLUB DRIVE.

➡ POSSIBLE TRUCK ROUTE FOR WORK NORTH OF BROOKHAVEN CLUB DRIVE.

NOTE: CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL APPLICABLE PERMITS TO DRIVE HEAVY AND/OR OVERSIZED EQUIPMENT ON CITY STREETS. THE TRUCK ROUTE SHOWN IS ONLY A SUGGESTION. THE CONTRACTOR MAY USE ANOTHER ROUTE WITH PRIOR WRITTEN APPROVAL FROM ALL CITIES WHICH THE ROUTE WILL IMPACT.

STATE OF TEXAS
JOHN H. LINDNER
64004
PROFESSIONAL ENGINEER

John H. Lindner
7/22/94

NO.	DATE	REVISION	APPROV.
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TOWN OF ADDISON, TEXAS

MARSH LANE SEWER INTERCEPTOR

VICINITY MAP & TRUCK ROUTE

Carter :: Burgess

Consultants in Engineering, Architecture, Planning and the Environment

CARTER & BURGESS, INC.
7950 ELMBROOK DRIVE, SUITE 250
DALLAS, TX 75247-4961

Unit		Scale		Date	07-22-94
Designed	D. Moore	Checked	J. Lindner	Job No.	93315401D
Drawn	B. Sowels	Approved	J. Lindner	Sheet	1 of 32

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01-2003

BENCH MARK LIST				
DESCRIPTION	NORTHING	EASTING	ELEVATION	LOCATION
FB-MON #375	460355.47	2197748.35	544.14	MEDIAN OF MARSH LN. 300'± SOUTH OF WOODED CREEK RD.
B.M. #1 - "x"	462261.15	2197712.29	556.94	CENTER OF MARSH LN. ON BULLNOSE 800'± NORTH OF BROOKHAVEN CLUB DR.
B.M. #2 - "x"	463231.35	2197707.23	565.14	CENTER OF MARSH LN. 575'± SOUTH OF SPRING VALLEY.
B.M. #3 - "x"	464641.55	2197711.05	572.56	BULLNOSE AT INTERSECTION OF MARSH LN. & SIDNEY DR.
B.M. #4 - "x"	465198.31	2197756.71	580.82	TOP OF 10' INLET 530'± NORTH OF SIDNEY DR. EAST SIDE OF MARSH LN.
B.M. #5 - "x"	465790.71	2197754.54	583.79	CENTER OF CONC WALK EAST SIDE OF MARSH LN. 580'± SOUTH OF TANGLEWOOD.
B.M. #6 - "x"	466394.17	2197755.21	577.40	CENTER OF CONC WALK EAST SIDE OF MARSH LN. AT THE INTERSECTION OF TANGLEWOOD.
B.M. #7 - "x"	467227.27	2197757.71	584.88	CENTER OF CONC WALK IN THE SOUTHEAST CORNER AT THE INTERSECTION OF MARSH LN. & BELTWAY.
B.M. #8 - "x"	467839.31	2197753.69	572.93	RIGHT TURN LANE TO K-MART 580'± NORTH OF BELTWAY ON MARSH LN.
B.M. #9 - "x"	468527.24	2197754.63	570.44	CENTER OF CONC WALK IN THE SOUTHEAST CORNER AT THE INTERSECTION OF MARSH LN. & BELTLINE RD.

℄ SANITARY SEWER ALIGNMENT			
STATION	POINT	COORDINATES	
		NORTHING	EASTING
0+48.42	BEGIN PIPE	460143.38	2197818.16
0+77.42	METER STA.	460172.38	2197818.12
3+20.51	M.H.	460415.47	2197817.86
4+00.00	M.H.	460424.61	2197738.90
9+15.00	M.H.	460939.64	2197738.56
13+72.00	M.H.	461396.02	2197763.17
17+72.00	M.H.	461795.87	2197752.37
26+82.00	M.H.	462705.87	2197752.84
27+92.00	M.H.	462811.19	2197721.09
34+00.00	M.H.	463419.12	2197720.85
39+70.00	M.H.	463989.12	2197720.63
46+07.81	M.H.	464626.93	2197720.38
55+14.44	M.H.	465533.56	2197720.02
55+95.46	M.H.	465594.84	2197773.02
66+50.00	M.H.	466649.38	2197772.58
73+70.46	M.H.	467369.84	2197772.30
79+60.00	M.H.	467959.38	2197772.07
82+44.98	M.H.	468244.32	2197767.42
82+54.98	END PIPE	468254.32	2197767.42

INDEX OF SHEETS

SHEET NO.	DRAWING TITLE
	COVER SHEET
1	VICINITY MAP & TRUCK ROUTE
2	INDEX AND SHEET LAYOUT
3	GENERAL NOTES
4	PLAN & PROFILE STA. 0+00 TO 4+50
5	PLAN & PROFILE STA. 4+50 TO 9+00
6	PLAN & PROFILE STA. 9+00 TO 13+50
7	PLAN & PROFILE STA. 13+50 TO 18+00
8	PLAN & PROFILE STA. 18+00 TO 22+50
9	PLAN & PROFILE STA. 22+50 TO 27+00
10	PLAN & PROFILE STA. 27+00 TO 31+50
11	PLAN & PROFILE STA. 31+50 TO 36+00
12	PLAN & PROFILE STA. 36+00 TO 40+50
13	PLAN & PROFILE STA. 40+50 TO 45+00
14	PLAN & PROFILE STA. 45+00 TO 49+50
15	PLAN & PROFILE STA. 49+50 TO 54+00
16	PLAN & PROFILE STA. 54+00 TO 58+50
17	PLAN & PROFILE STA. 58+50 TO 63+00
18	PLAN & PROFILE STA. 63+00 TO 67+50
19	PLAN & PROFILE STA. 67+50 TO 72+00
20	PLAN & PROFILE STA. 72+00 TO 76+50
21	PLAN & PROFILE STA. 76+50 TO 81+00
22	PLAN & PROFILE STA. 81+00 TO 82+54.98
23	TRAFFIC CONTROL FARMERS BRANCH CREEK TO S.S. STA. 20+00
24	TRAFFIC CONTROL S.S. STA. 20+00 TO 40+00
25	TRAFFIC CONTROL S.S. STA. 40+00 TO 60+00
26	TRAFFIC CONTROL S.S. STA. 60+00 TO 80+00
27	TRAFFIC CONTROL S.S. STA. 80+00 TO BELTLINE
28-29	SANITARY SEWER DETAILS
30	PAVING DETAILS
31-32	METERING STATION DETAILS

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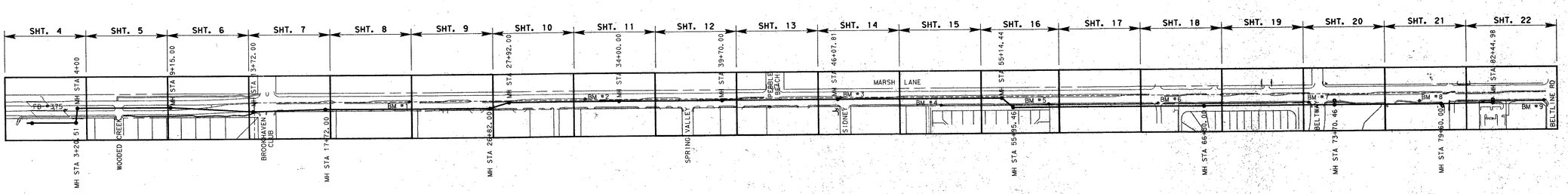

STATE OF TEXAS
JOHN H. LINDNER
68694
LICENSED PROFESSIONAL ENGINEER

John H. Lindner
7/22/94

NO.	DATE	REVISION	APPROV.
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TOWN OF ADDISON, TEXAS

MARSH LANE SEWER INTERCEPTOR

INDEX & SHEET LAYOUT

Carter & Burgess

Consultants in Engineering, Architecture, Planning and the Environment

CARTER & BURGESS, INC.
7950 ELMBROOK DRIVE, SUITE 250
DALLAS, TX 75247-4961

Units		Scale	1" = 300'	Date	07-22-94
Designed		Checked	J. Lindner	Job No.	93315401D
Drawn	B. Sowels	Approved	J. Lindner	Sheet	2 of 32

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GENERAL NOTES

GENERAL

1. No separate pay for items covered on this sheet, unless specifically established in the proposal section of the project specifications. Include cost of same in the contract unit price for item of which work is a component or as incidental to other work.

2. All construction shall conform to the requirements as stated in the latest edition of the "Standard Specifications For Public Works Construction, North Central Texas Council of Governments" (NCTCOG).

3. Contractor shall coordinate with other contractors of any trade or discipline working adjacent to the project site prior to and during construction.

4. Contractor shall be responsible for providing required security to protect his own property, equipment, and work in progress.

5. The Contractor shall provide all fencing and/or barricades to maintain public safety around the construction area. Bore/tunnel pits shall be bordered by a security fence or by other means to protect pedestrians and vehicular traffics per OSHA requirements and as approved by the Engineer. When not in use, pits shall be covered with steel plates. Contractor shall comply with all applicable safety standards. Not a separate pay item.

6. Contractor shall field verify all dimensions and conditions before commencing work. It shall be Contractor's responsibility to report any discrepancies to the Owner before commencing work.

7. The locations of existing utilities indicated on these plans are taken from existing public records. The Contractor is solely responsible for verification of vertical and horizontal location of all utilities prior to construction. Additional utilities and services may be crossing proposed sanitary sewer line. Contractor shall notify all utility companies with facilities in project area 48 hours prior to construction. Contractor is responsible for repairing damage to existing utilities, whether shown or not shown on plans, at no additional cost to the Town of Addison.

8. Public and private utility lines and customer service lines may exist that are not shown on the construction drawings. It shall be the Contractor's responsibility to locate, maintain, and protect the integrity of the these lines. Hand excavation may be required.

9. Contractor shall be responsible for and adequately protect existing structures, utilities, trees, shrubs, fences and other adjoining facilities. Damages caused by Contractor shall be reported to the appropriate property Owner and repaired or replaced at the Contractor's expense within four (4) hours.

10. Contractor shall comply with OSHA regulations and State of Texas Laws concerning excavation, trenching and shoring.

11. Dewatering system or systems installed during construction shall be approved by the Engineer. Trench and pit bottoms and excavations shall be maintained in dry, stable condition until work is complete.

12. Contractor shall make every effort to locate dewatering wells in areas that will not cause damage to trees or landscaping. Wells and discharge water should be placed in areas that will not cause disruption, interference or inconvenience to pedestrians and vehicle traffic. Discharge will be subject to acquisition of any necessary approvals and permits. Contractor will be responsible for control of siltation as a result of discharge water and any remedial measures resulting from siltation will be performed by the Contractor at no additional charge.

13. The Contractor shall match all proposed pavement, curb, sidewalks, and driveways with existing.

14. Should any part of a concrete pavement panel be removed during construction of proposed sanitary sewer, the Contractor shall replace the entire panel except as otherwise shown on plans or directed by the Engineer.

15. All expansion joints shall be subsidiary to pavement replacement.

16. All sawcuts are to be full depth unless otherwise indicated on plans.

17. All dimensions to curbline are referenced to the back of curb unless otherwise noted. Curb removal/replacement is subsidiary to pavement removal/replacement.

18. All existing trees and landscaping shall be protected from damage unless specifically designated for removal on the plans. Tree and root trimming must be approved by the Engineer and shall be done by or under supervision of a licensed tree surgeon.

19. Contractor shall coordinate with the proper utility company to relocate, brace and support, or divert any utility in conflict with proposed structure or construction so as not to disrupt service of same. If temporarily relocated to facilitate construction Contractor shall restore relocated or diverted utility to its original condition and location upon completion of construction. No seperate pay. Contractor shall be responsible for all associated cost for relocations whether temporary or permanent.

20. The Contractor shall notify the following, five (5) days before starting work on the improvements shown on these plans.

a.	SW Bell Telephone	(214) 998-4102 or Dial "0" and ask for Enterprise 9800
b.	TU Electric (Locations)	(214) 554-1414
c.	TU Electric (Notifications)	(214) 888-1313 ask for Quincy Bray
d.	Lone Star Gas	(214) 263-3444
e.	TCI Cable	(817) 647-5711

21. The Contractor shall notify the Town of Addison Construction Inspector at (214)450-2847 five (5) days before starting work on the improvements in order to coordinate construction, administration, and inspection activities.

22. The Contractor shall notify the Town of Addison Street Department and the Engineer at least 24 hours prior to any construction within street right-of-way.

23. The Contractor shall haul away all waste material such as rubbish, pavement, concrete, pipe, unacceptable soil, etc. to an approved offsite landfill. This shall be subsidiary to the unit price of pipe installation.

24. Unpaved areas disturbed by construction are to be hydromulched or sodded, fertilized and watered per NCTCOG specifications, unless otherwise specified on the plans.

25. The Contractor shall protect all storm sewer inlets receiving storm water runoff from the construction site, per NCTCOG Storm Water Pollution Prevention Plan (SWPPP).

26. All sprinkler systems and related components of sprinkler systems and fences, signs, etc. disturbed by construction are to be restored to existing condition or better.

27. In the event there are conflicting statements between the project Specifications and the "The Standard Specifications for Public Works Construction for North Central Texas" the Project Specifications shall be used.

28. In the event an item is not covered in the Specifications, the City Engineer's decision will apply.

29. Allowable hours of work within the Town of Addison City limits are from 7:00 a.m. to 7:00 p.m. No construction activities which in any way impedes southbound traffic along Marsh Lane will be permitted until 9:00 a.m. No construction activities within in any way impedes northbound traffic along Marsh Lane will be permitted after 4:00 p.m. This includes but is not limited to, crane operations and material transportation and does not pertain to lane closures allowed on the plans as required for open working pits.

    Allowable hours of work within City of Farmer Branch (south of Brookhaven Club Drive) are from 9:00 a.m. to 4:00 p.m.

    Work may be conducted Monday thru Saturday with the exception of holidays recognized by the Town of Addison.

TRAFFIC HANDLING

1. The Contractor shall be required to provide and maintain all necessary warning and safety devices (flashing lights, barricades, signs, etc) in accordance with Texas Manual on Uniform Traffic Control Devices to protect the public safety and health until all the work has been completed and accepted by the Town of Addison. Not a separate pay item.

2. The Contractor shall maintain access to all adjacent business and residences during construction.

3. The Contractor shall maintain a minimum of two (2) lanes of traffic in both directions on Marsh Lane at all times. Northbound Marsh Lane may be reduced to one lane from 7:00 a.m. to 4:00 p.m. with written approval from the Town of Addison.

4. The closing of contiguous intersections and median openings to traffic crossing the project route will not be allowed.

5. Implementation and removal of any parking restrictions and traffic signal alterations are the responsibility of the Contractor. The Contractor shall notify the Town of Addison Traffic Engineer, the Police and Fire Department, and the Engineer a minimum of three (3) working days prior to implementation of traffic handling around construction areas, and again upon the completion of work at each site requiring traffic signal modifications.

6. Contractor shall replace all removed pavement markings, in the pre-construction pattern, when temporary diversions are no longer needed.

7. Contractor shall conduct his operations in a manner such that trucks and other vehicles do not create a dirt and dust nuisance or safety hazard in any streets, sidewalks, driveways, and parking lots.

8. Contractor is responsible for cleaning of streets, sidewalks, driveways, and parking lots caused by associated construction at close of each work day or as requested by Engineer.

9. The Contractor shall be responsible for all cost associated with maintaining the continuous operation of the traffic signals in and bordering this project, for making immediate repairs to any signal equipment, cable or conduit he damages, for relocating existing or providing temporary traffic signal equipment if necessary to facilitate construction, for relocating traffic signal heads to provide line-of-sight alignment for approaching motorists, and for providing and installing turn prohibition signs next to the signal heads when these are determined necessary by the area traffic engineer. Actual repairs shall be coordinated through the Town of Addison to assess whether the City or Contractor is to make actual repairs.

10. The traffic control plan in this set of plans is a general guide for traffic control on the project. During the coarse of construction, the City may require additional traffic control devices to ensure public safety and traffic movement. Contractor shall install and maintain such additions at no additional cost to the Owner.

SANITARY SEWER

1. All sewer main construction shall conform to the minimum requirements of the Texas State Department of Health Rules and Regulations for public water and sewer systems.

2. All mains shall be tested in accordance with NCTCOG specifications and the Town of Addison subdivision testing requirements. Not a seperate pay item.

3. All embedment and backfill to be included in the unit prices for installation of pipe.

4. Trench excavation for trenches five (5) feet or more in depth shall be in accordance with all provisions of Part 1926, Subpart P - Excavations, Trenching and Shoring of the Occupational Safety and Health's Standards and interpretations. It shall be the responsibility of the Contractor to conform to the above provisions.

5. If temporary sanitary sewer by-pass is required, the Contractor shall coordinate with the Town of Addison Department of Public Works five (5) working days prior to anticipated shut-down.

6. Sanitary sewer joints (all types PVC included) shall be rubber gasket equipped bell and spigot type. Chemically welded sanitary sewer joints are not acceptable. Bell and spigot joints available for ABS and PVC pipe.

7. The Contractor shall be responsible for the integrity of existing structures in the vicinity of the proposed construction. (No separate pay)

8. Deflection testing shall be performed for all non rigid pipe types. Deflection testing shall be conducted after the gravity sanitary sewer has been in place for at least 30 days. No pipe shall exceed a deflection of 5%. The deflection test shall be conducted using a rigid ball or mandrel having an inside diameter equal to 95% of the interior diameter of the pipe. The test shall be performed without mechanical pulling devices. I. & E. test for sanitary sewer system shall be in accordance with Town of Addison requirements.

9. When installed under existing or proposed pavement or within two (2) feet of back-of curb, all sewer pipe trenches, miscellaneous structures, and bore pits and tunnel shaft excavations are to be backfilled to pavement subgrade with cement stabilized sand in accordance with the technical specifications.

10. The Contractor shall submit a Construction Phasing Plan prior to begining any work with the project sequence as follows:

    a. Station 55+14.45 to Station 66+50.00
    b. Station 0+48.42 to Station 55+14.45
    c. Station 66+50.00 to Station 82+54.98

WATERLINE

1. Contractor shall remove and replace, to original condition or better, water mains, service laterals, valves and/or fire hydrants as required where conflicts occur with the proposed sanitary sewer alignment.

2. All waterline construction and testing is to be accomplished in accordance with the latest edition of "Standard Specifications for Public Works Constructions, North Central Texas Council of Governments" (NCTCOG).

3. Contractor shall not operate any existing water vales, only the Town of Addison personnel will operate existing water valves. Contractor shall contact the Town of Addison Utility Operations Department (214)450-2871 48 hours prior to taking any waterlines out of service.

STORM SEWER

1. Contractor shall remove and replace, to original condition or better, storm sewer lines, culvert pipes, inlets, and/or manholes, as required where conflicts occur with the proposed sanitary sewer alignment.

2. Contractor shall maintain flows in ditches, storm sewer pipes, inlets, and other drainage systems during construction and restore damaged of same during construction to original condition or better.

3. Reinforced concrete pipe storm sewer shall conform to ASTM C-76, Class III, and be installed, bedded, and backfilled in accordance with the technical specifications. Crushed limestone bedding will not be allowed.

4. All storm sewer trenches and related structures under existing, proposed, or future pavement or within two (2) feet from edge of pavement are to be backfilled with cement-stabilized sand in accordance with the technical specifications to a point one (1) foot below pavement.

MANHOLES/METERING STATION

1. All manholes and metering stations shall be backfilled to a point one (1) foot below grade with cement stabilized sand in accordance with the technical specifications.

2. Shale subgrades in footing excavations should be maintained at/or near their in-situ moisture level prior to concrete placement. Any bearing surface subjected to ponding of water should be excavated to undisturbed shale immediately prior to concrete placement. If the shales are allowed to become dry, post-construction movement of footings can occur due to volume changes in the shales. Footing excavations which will remain open for more than 48 hours should be protected by a seal slab. Concrete should be placed with no loose or soft soils or shale.

3. Groundwater seepage should be anticipated. Where clays, residual clays and shales are present, sumps and pumps should be sufficient to control groundwater. Where sands are present, dewatering will be required to lower water levels to the bottom of the sand deposit. Groundwater flowing into the excavation at the base of the sand deposit will require some means to collect and remove this water. The dewatering system should take into account the impact of lowering groundwater levels on shallow domestic wells that may be near the shaft excavations.

4. Concrete for manholes and metering station foundations shall be Class "C" with a minimum 28-day compressive strength of 4000 psi.

STATE OF TEXAS
JOHN H. LINDNER
64894
REGISTERED
PROFESSIONAL ENGINEER

John H. Lindner
7/22/94

NO.	DATE	REVISION	APPROV.
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TOWN OF ADDISON, TEXAS

MARSH LANE SEWER INTERCEPTOR

GENERAL NOTES

Carter::Burgess
Consultants in Engineering, Architecture, Planning and the Environment
CARTER & BURGESS, INC.
7950 ELMBROOK DRIVE, SUITE 250
DALLAS, TX 75247-4961

Unit		Scale		Date	07-22-94
Designed		Checked	J. Lindner	Job No.	933154010
Drawn	B. Sowels	Approved	J. Lindner	Sheet	3 of 32

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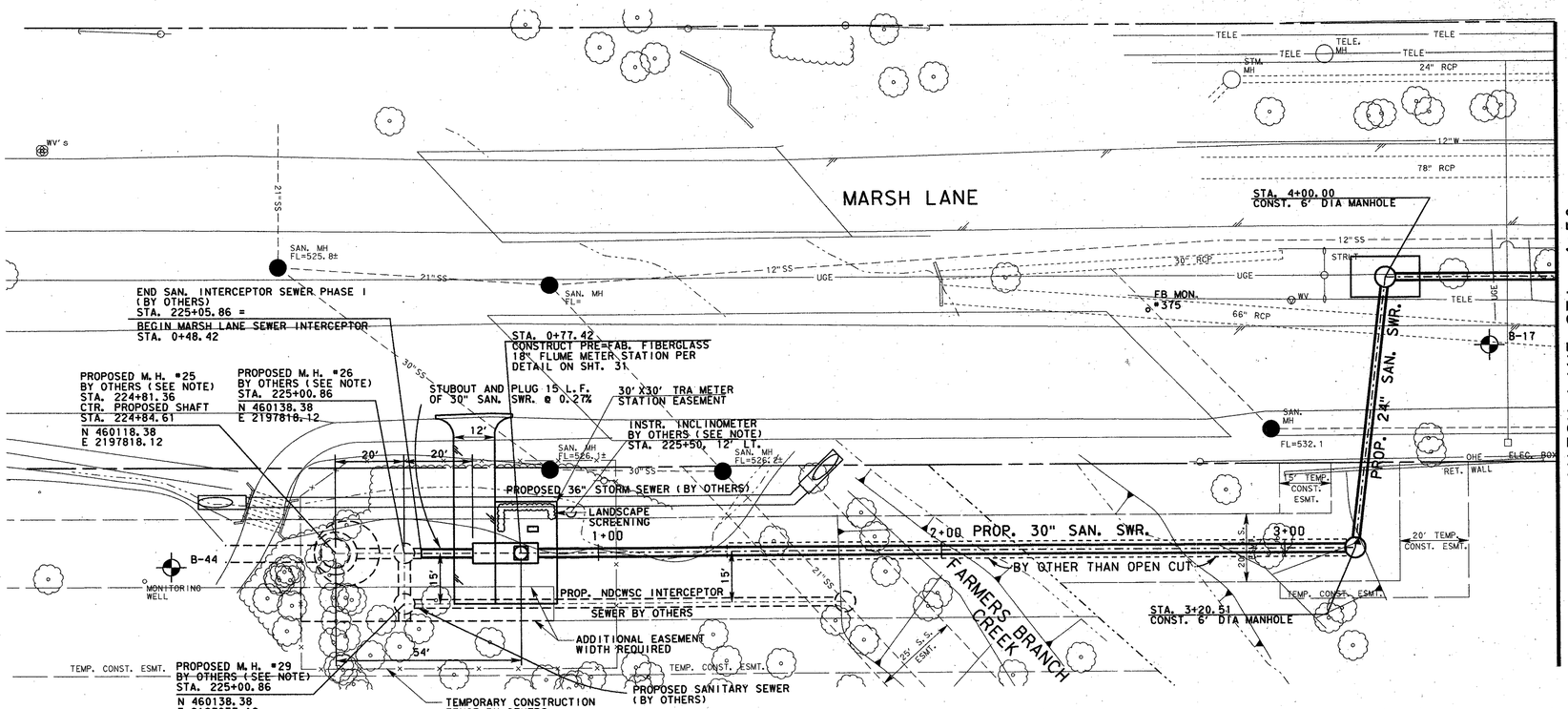

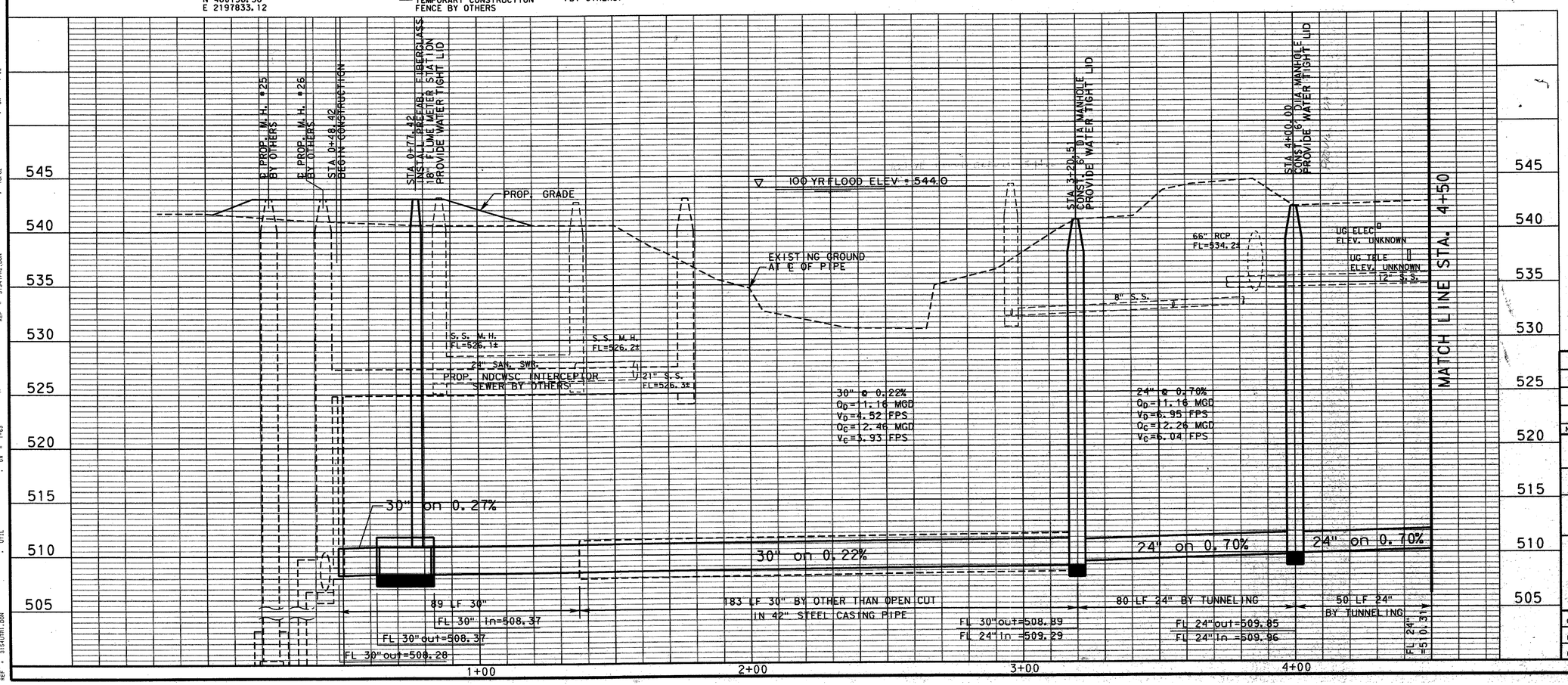

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GRAPHIC SCALE IN FEET

NOTE:

FOR MANHOLES 25, 26, 29 AND INSTRUMENTATION INCLINOMETER, SEE NDCWSC SANITARY INTERCEPTOR SEWER PHASE ONE PLANS BY CONSOER, TOWNSEND & ASSOCIATES.

BENCHMARK:

FB-MON #375 IN MEDIAN OF MARSH LANE
300'± SOUTH OF WOODED CREEK ROAD.
ELEV. 544.11

STATE OF TEXAS
JOHN H. LINDNER
54694
REGISTERED PROFESSIONAL ENGINEER

John H. Lindner
7/22/94

NO.	DATE	REVISION	APPROV.
4			
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TOWN OF ADDISON, TEXAS

MARSH LANE SEWER INTERCEPTOR

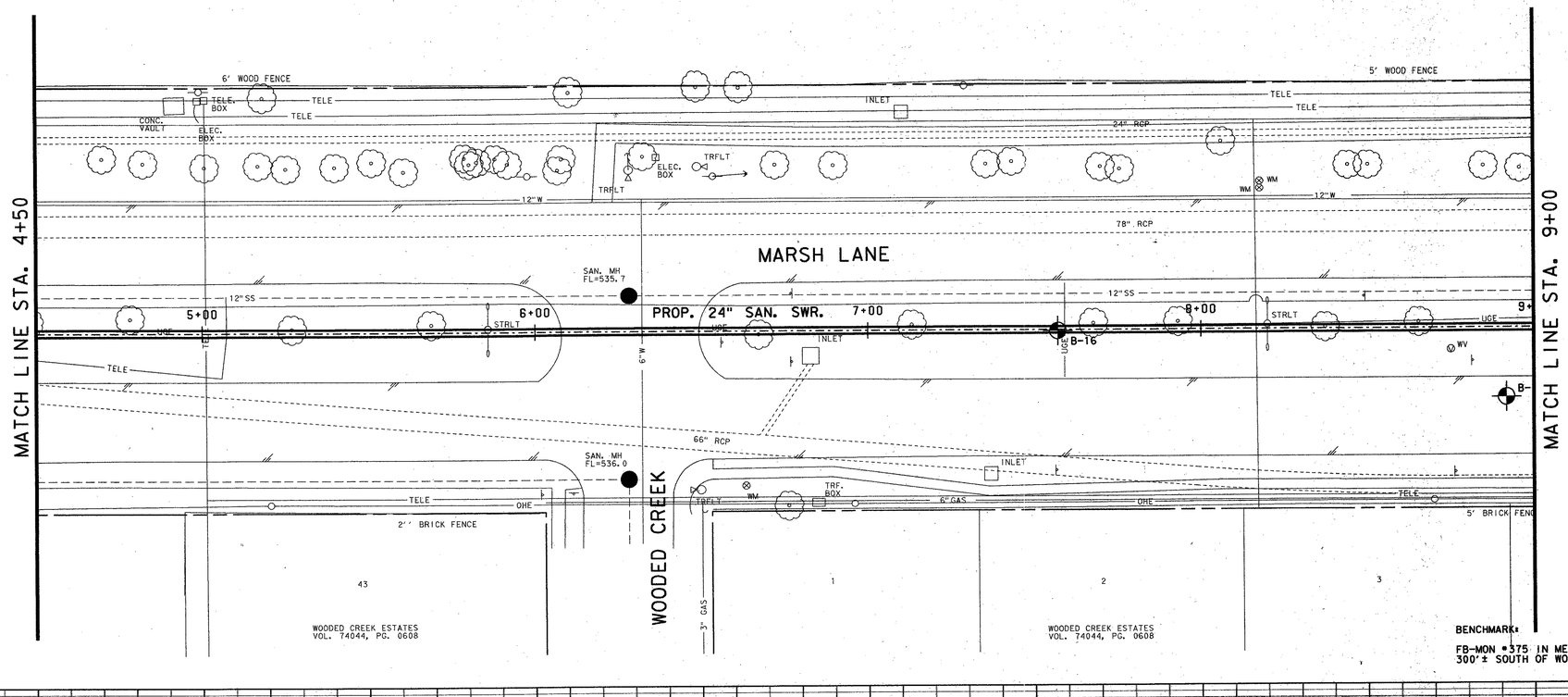
SANITARY SEWER PLAN & PROFILE

FROM STATION 0+00 TO STATION 4+50

Carter :: Burgess
Consultants in Engineering, Architecture, Planning and the Environment
CARTER & BURGESS, INC.
7950 ELMBROOK DRIVE, SUITE 250
DALLAS, TX 75247-4961

Unit		Scale Horiz. 1"=20' Vert. 1"=5'		Date	07-22-94
Designed	D. Desen	Checked	J. Lindner	Job No.	93315401D
Drawn	B. Sowels	Approved	J. Lindner	Sheet	4 of 32

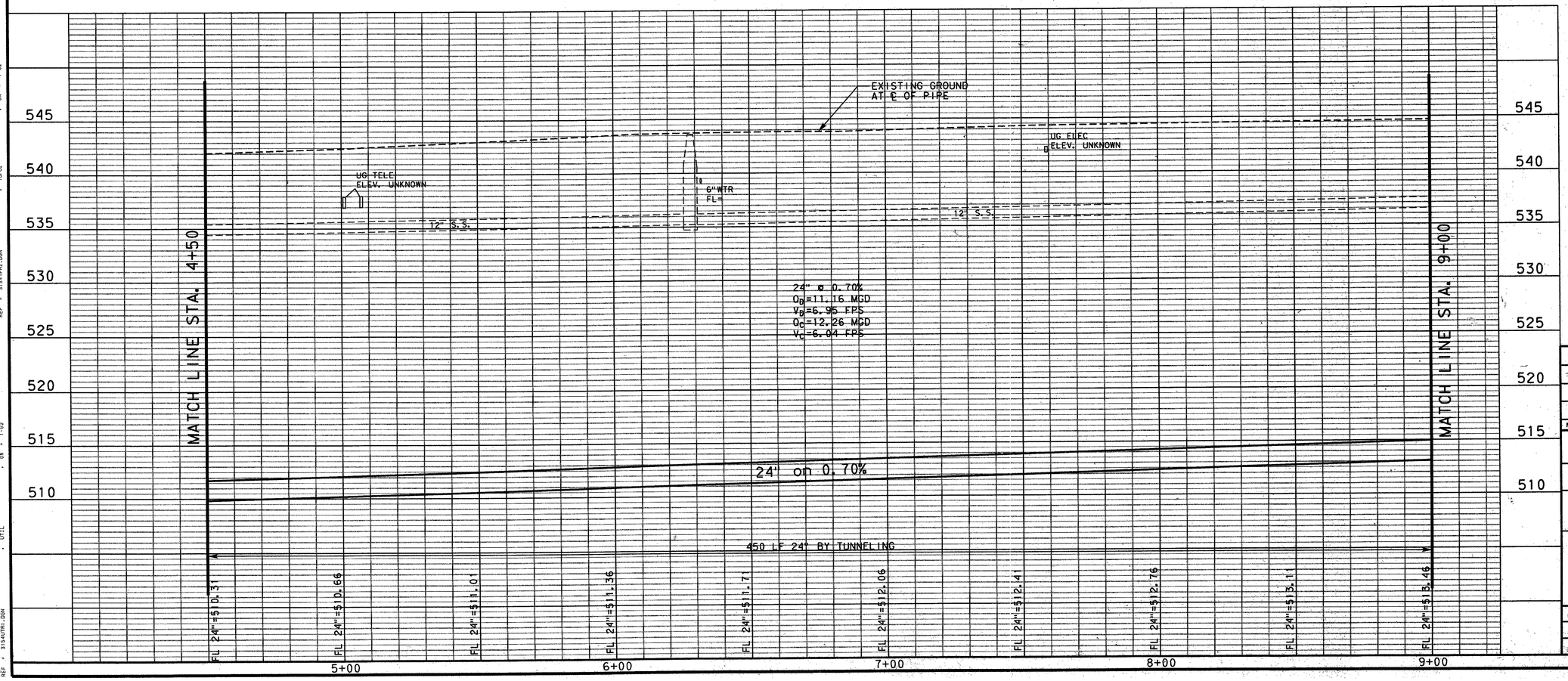
3154ss01.dgn



0 20 40
GRAPHIC SCALE IN FEET

BENCHMARK:

FB-MON #375 IN MEDIAN OF MARSH LANE 300'± SOUTH OF WOODED CREEK ROAD. ELEV. 544.11



STATE OF TEXAS
JOHN H. LINDNER
64694
REGISTERED PROFESSIONAL ENGINEER
7/22/94

NO.	DATE	REVISION	APPROV.
4			
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TOWN OF ADDISON, TEXAS

MARSH LANE SEWER INTERCEPTOR

SANITARY SEWER PLAN & PROFILE

FROM STATION 4+50 TO STATION 9+00

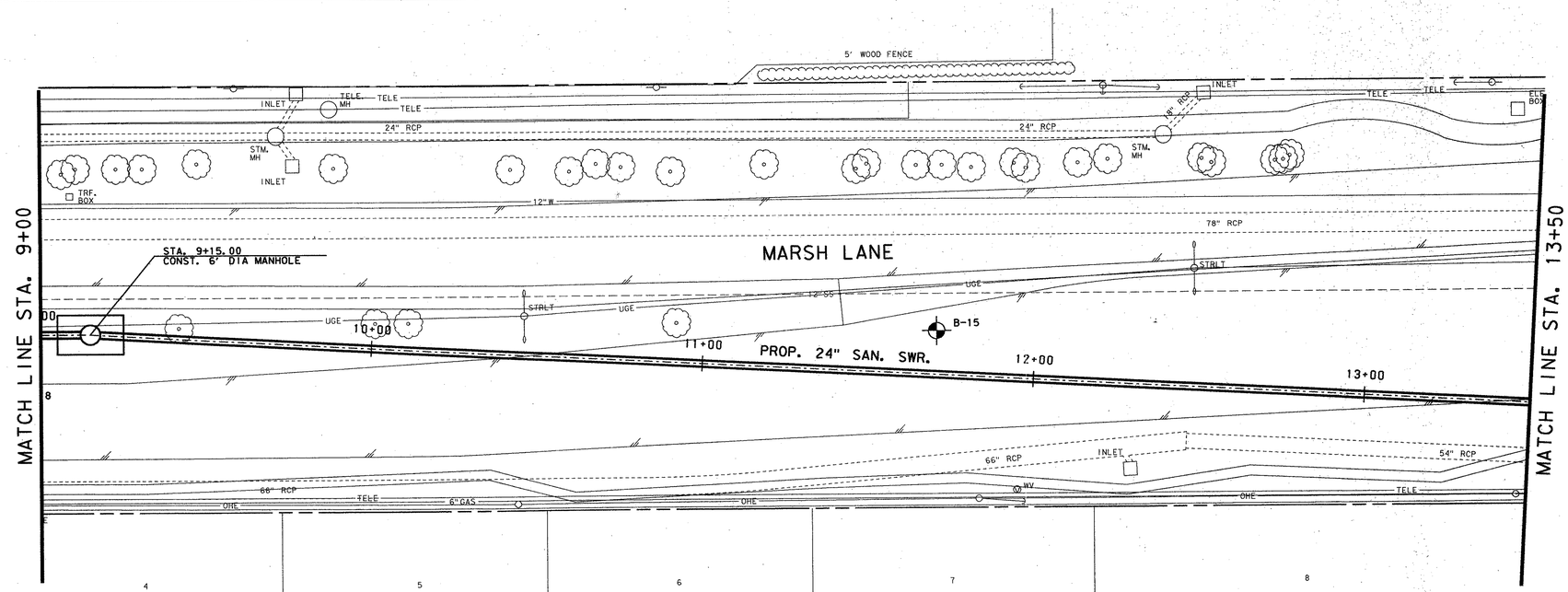
Carter :: Burgess

Consultants in Engineering, Architecture, Planning and the Environment

CARTER & BURGESS, INC.
7950 ELMBROOK DRIVE, SUITE 250
DALLAS, TX 75247-4961

Unit		Scale	Horiz. 1"=20' Vert. 1"=5'	Date	07-22-94
Designed	D. Desen	Checked	J. Lindner	Job No.	933154010
Drawn	B. Sowels	Approved	J. Lindner	Sheet	5 of 32

3154ss02.dgn

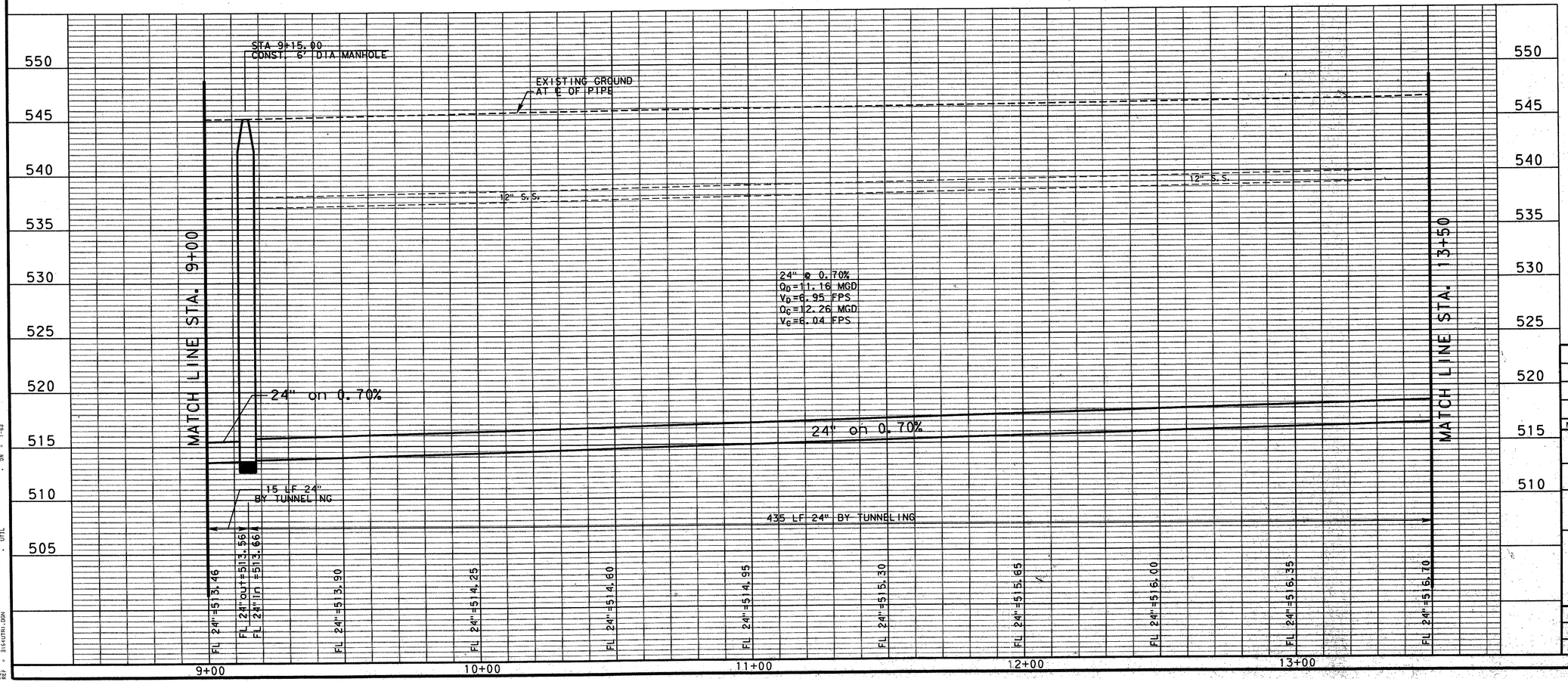


0 20 40
GRAPHIC SCALE IN FEET

WOODED CREEK ESTATES
VOL. 74044, PG. 0608

BENCHMARK:

FB-MON #375 IN MEDIAN OF MARSH LANE
300'± SOUTH OF WOODED CREEK ROAD.
ELEV. 544.11



STATE OF TEXAS
JOHN H. LINDNER
64694
REGISTERED
PROFESSIONAL ENGINEER
John H. Lindner
7/22/94

NO.	DATE	REVISION	APPROV.
4			
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TOWN OF ADDISON, TEXAS

MARSH LANE SEWER INTERCEPTOR

SANITARY SEWER PLAN & PROFILE

FROM STATION 9+00 TO STATION 13+50

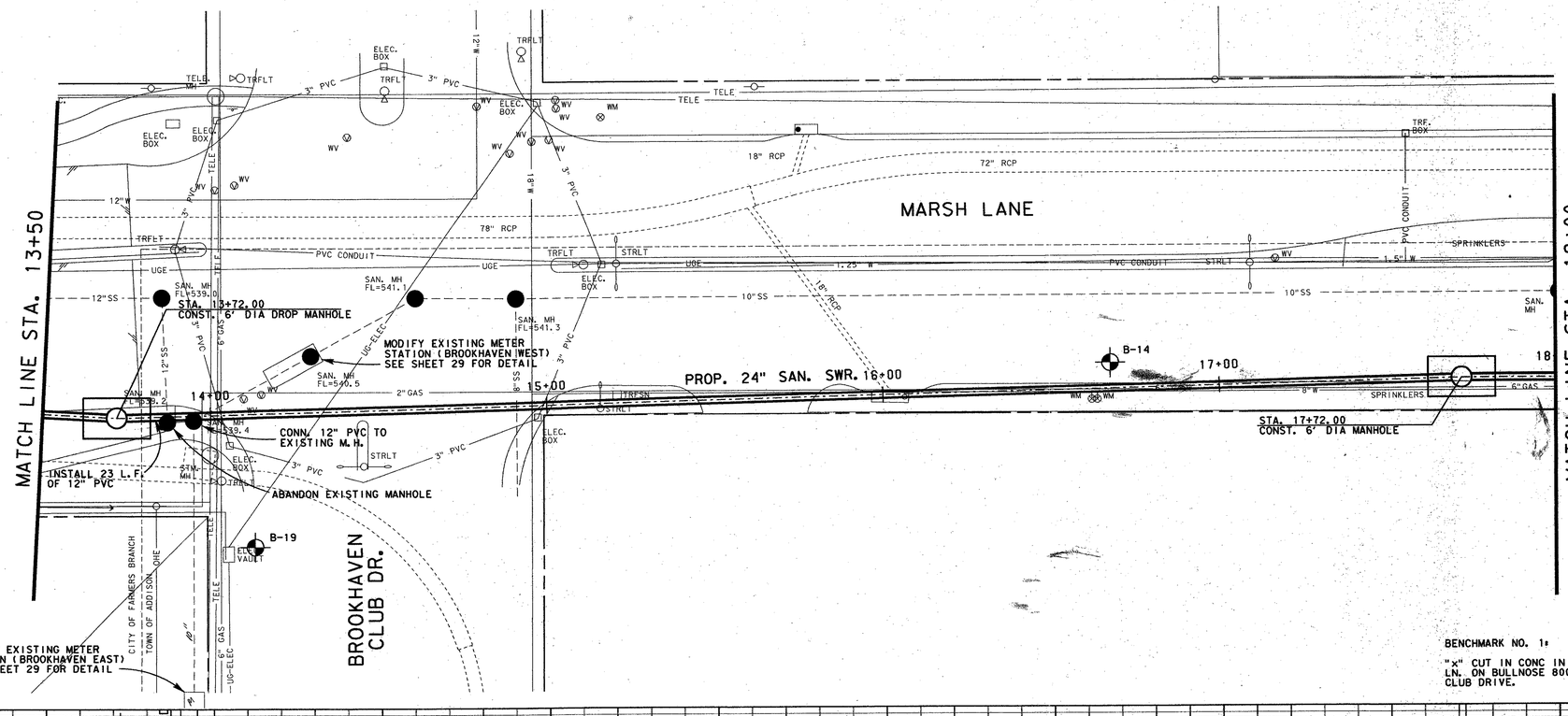
Carter :: Burgess

Consultants in Engineering, Architecture, Planning and the Environment

CARTER & BURGESS, INC.
7950 ELMBROOK DRIVE, SUITE 250
DALLAS, TX 75247-4961

Unit		Scale Horiz. 1"=20' Vert. 1"=5'		Date	07-22-94
Designed	D. Desen	Checked	J. Lindner	Job No.	93315401D
Drawn	B. Sowels	Approved	J. Lindner	Sheet	6 of 32

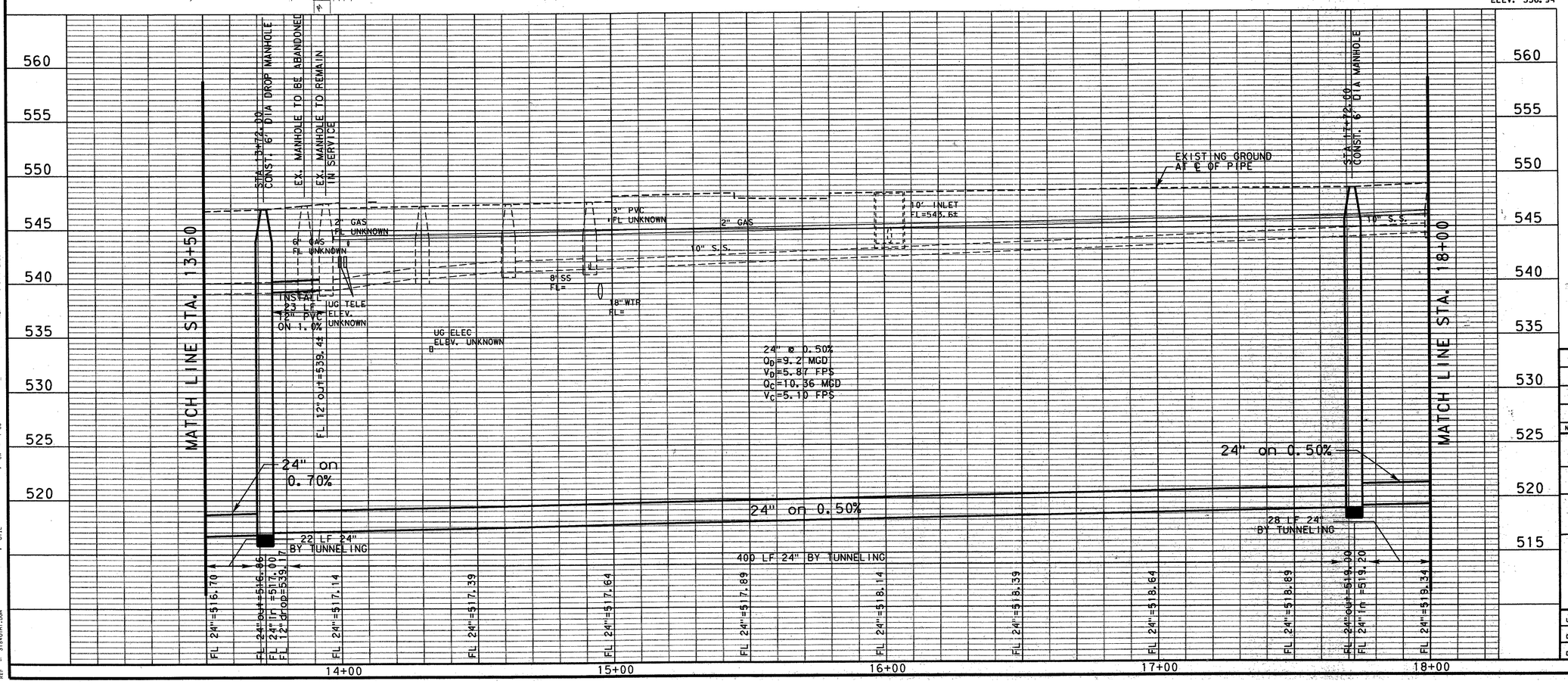
3154ps03.dgn



BENCHMARK NO. 1:

"X" CUT IN CONC IN THE CENTER OF MARSH LN. ON BULLNOSE 800'± NORTH OF BROOKHAVEN CLUB DRIVE.

ELEV. 556.94



NO.	DATE	REVISION	APPROV.
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TOWN OF ADDISON, TEXAS

MARSH LANE SEWER INTERCEPTOR

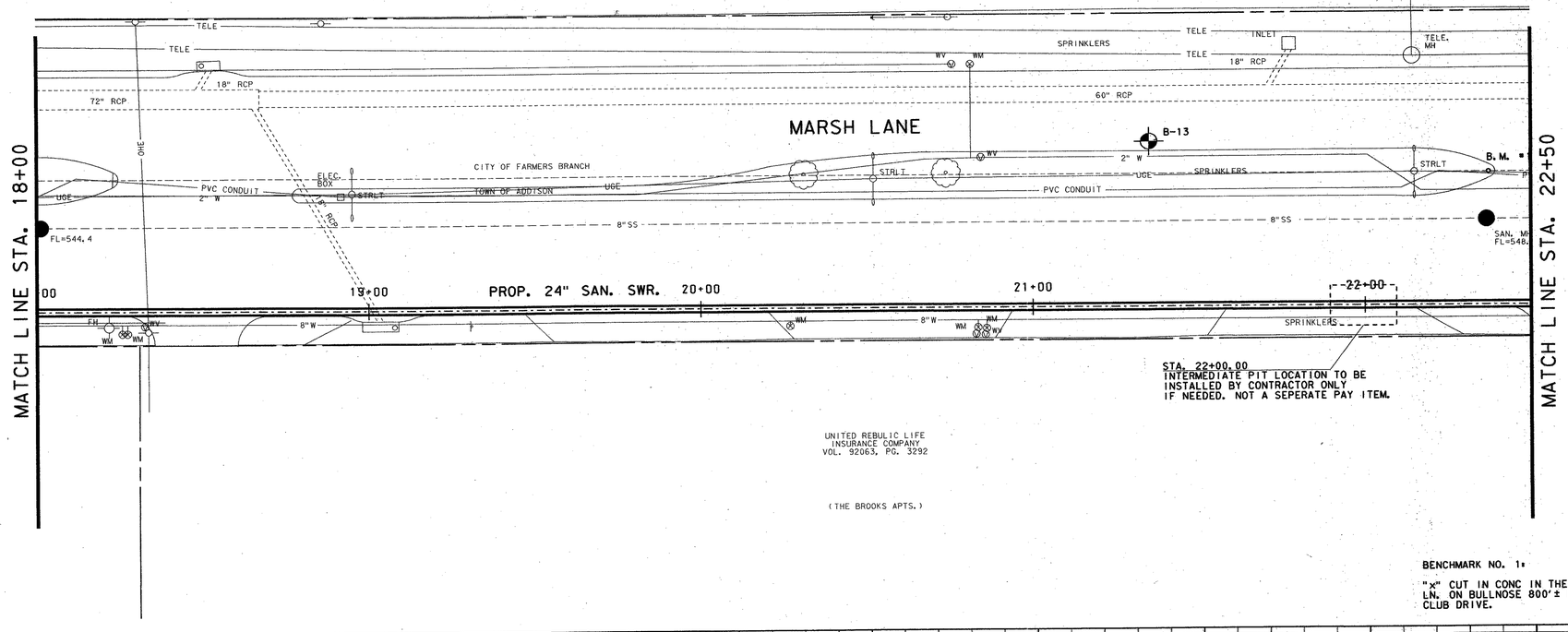
SANITARY SEWER PLAN & PROFILE

FROM STATION 13+50 TO STATION 18+00

Carter::Burgess
Consultants in Engineering, Architecture, Planning and the Environment
CARTER & BURGESS, INC.
7950 ELMBROOK DRIVE, SUITE 250
DALLAS, TX 75247-4963

Unit		Scale: Horiz. 1"=20' Vert. 1"=5'		Date	07-22-94
Designed	D. Desen	Checked	J. Lindner	Job No.	93315401D
Drawn	B. Sowels	Approved	J. Lindner	Sheet	7 of 32

3154ss04.dgn

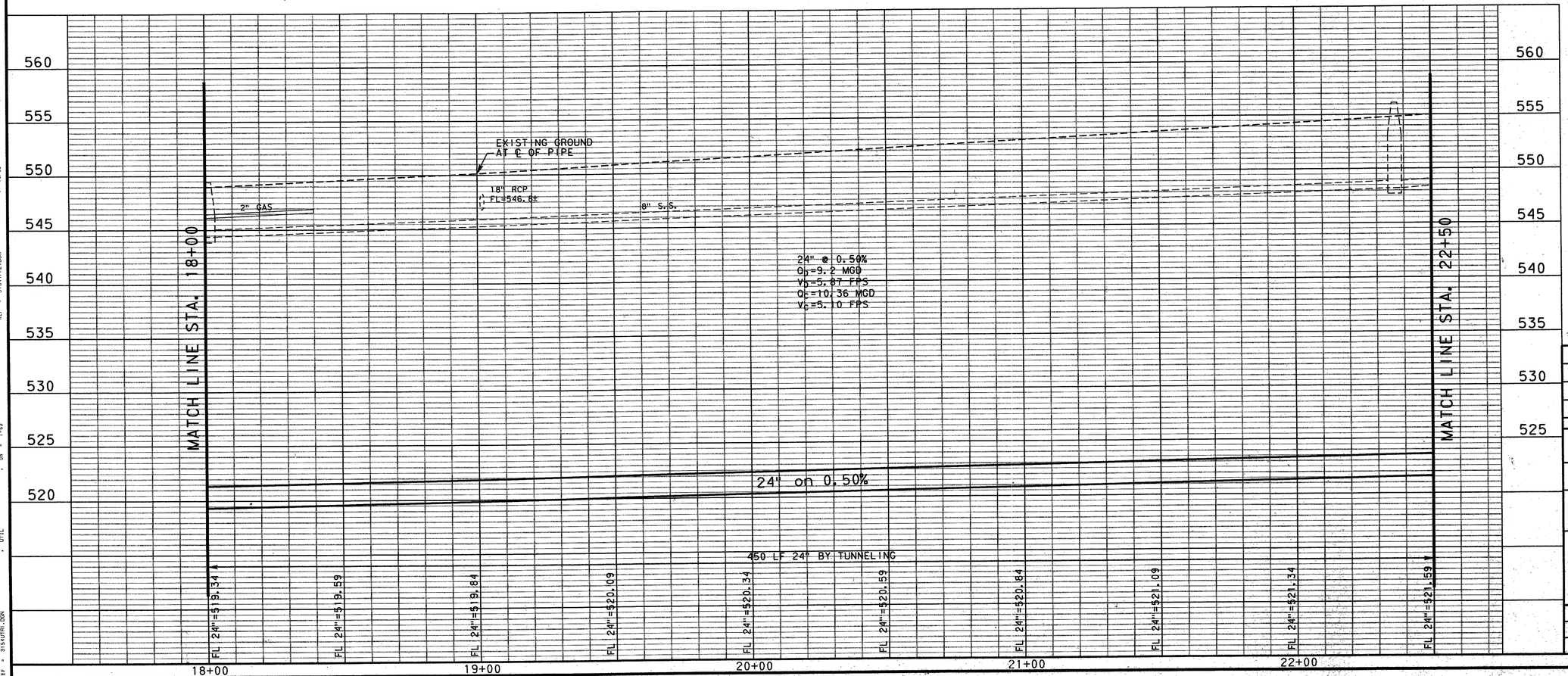


0 20 40
GRAPHIC SCALE IN FEET

BENCHMARK NO. 1:

"X" CUT IN CONC IN THE CENTER OF MARSH LN. ON BULLNOSE 800'± NORTH OF BROOKHAVEN CLUB DRIVE.

ELEV. 556.94



STATE OF TEXAS
JOHN H. LINDNER
64604
REGISTERED
PROFESSIONAL ENGINEER

John H. Lindner
7/22/94

NO.	DATE	REVISION	APPROV.
4			
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TOWN OF ADDISON, TEXAS

MARSH LANE SEWER INTERCEPTOR

SANITARY SEWER PLAN & PROFILE

FROM STATION 18+00 TO STATION 22+50

Carter :: Burgess

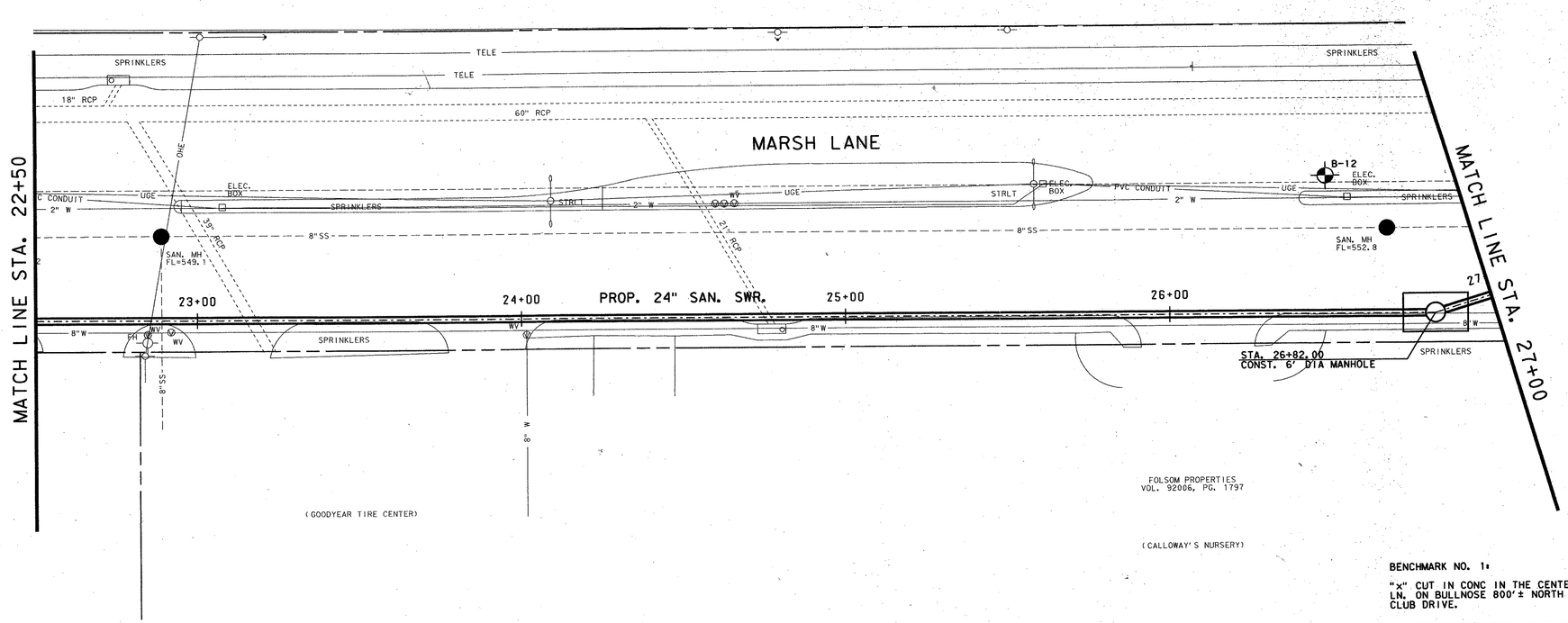
Consultants in Engineering, Architecture, Planning and the Environment

CARTER & BURGESS, INC.
7950 ELMBROOK DRIVE, SUITE 250
DALLAS, TX 75247-4961

Unit		Scale Horiz. 1"=20' Vert. 1"=5'		Date	07-22-94
Designed	D. Desen	Checked	J. Lindner	Job No.	933154010
Drawn	B. Sowels	Approved	J. Lindner	Sheet	8 of 32

3154ss05.dgn

01-2003

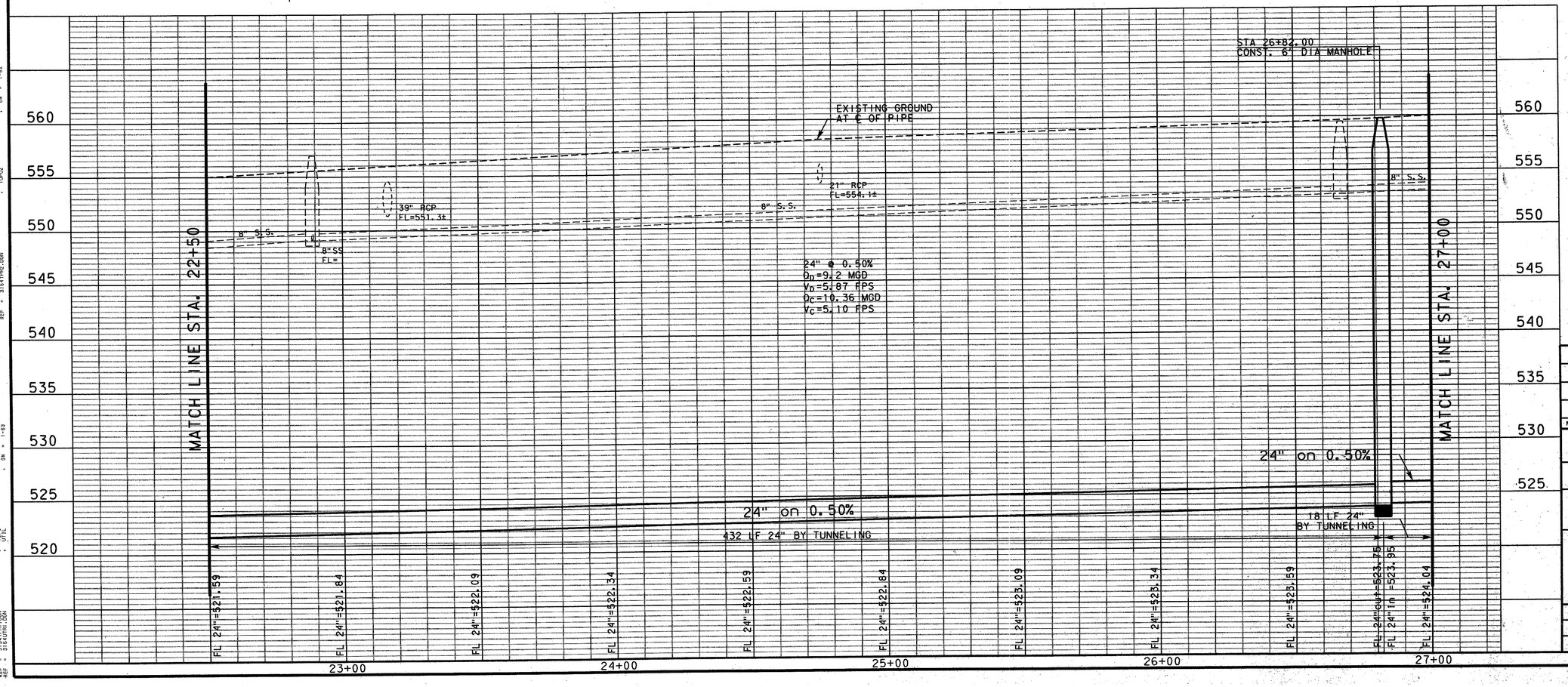


0 20 40
GRAPHIC SCALE IN FEET

BENCHMARK NO. 1:

"X" CUT IN CONC IN THE CENTER OF MARSH LN. ON BULLNOSE 800'± NORTH OF BROOKHAVEN CLUB DRIVE.

ELEV. 556.94



NO.	DATE	REVISION	APPROV.
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STATE OF TEXAS — JOHN H. LINDNER — 84094 — REGISTERED PROFESSIONAL ENGINEER

John H. Lindner 7/22/94

TOWN OF ADDISON, TEXAS

MARSH LANE SEWER INTERCEPTOR

SANITARY SEWER PLAN & PROFILE

FROM STATION 22+50 TO STATION 27+00

Carter :: Burgess

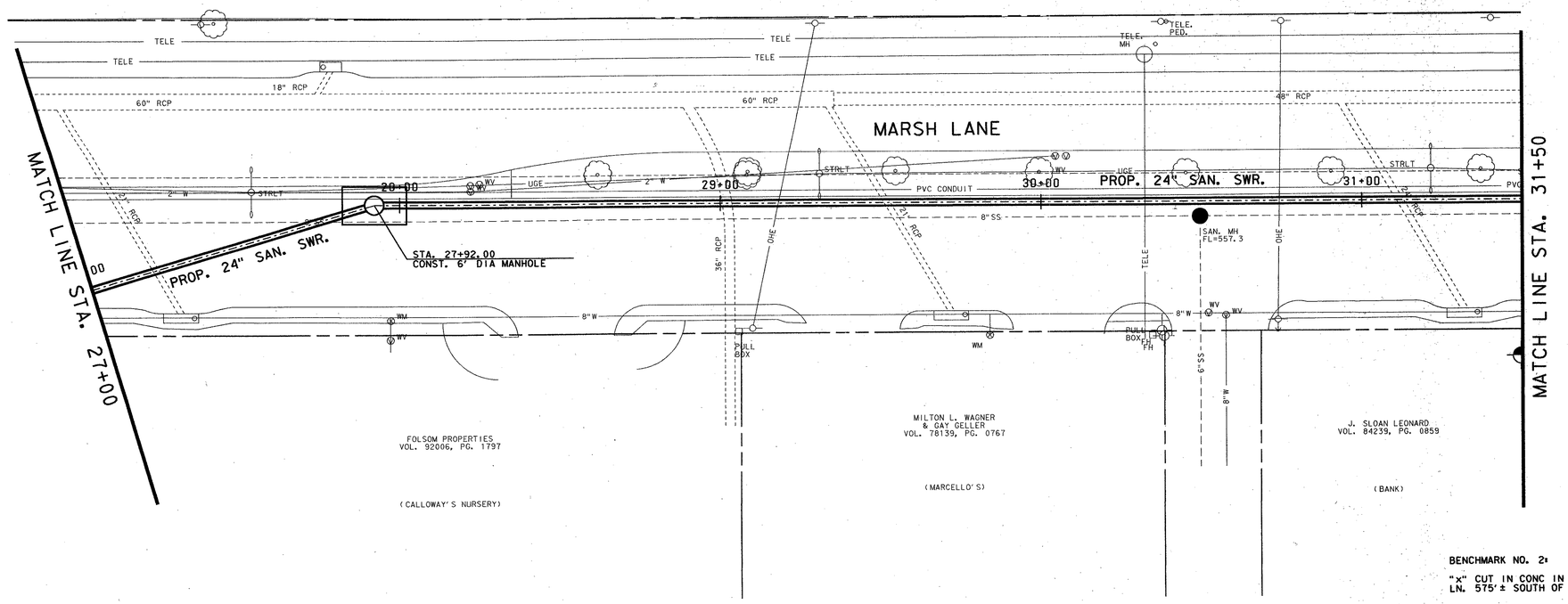
Consultants in Engineering, Architecture, Planning and the Environment

CARTER & BURGESS, INC.
7950 ELMBROOK DRIVE, SUITE 230
DALLAS, TX 75247-4961

Unit		Scale: Horiz. 1"=20' Vert. 1"=5'		Date	07-22-94
Designed	D. Deesen	Checked	J. Lindner	Job No.	93315401D
Drawn	B. Sowels	Approved	J. Lindner	Sheet	9 of 32

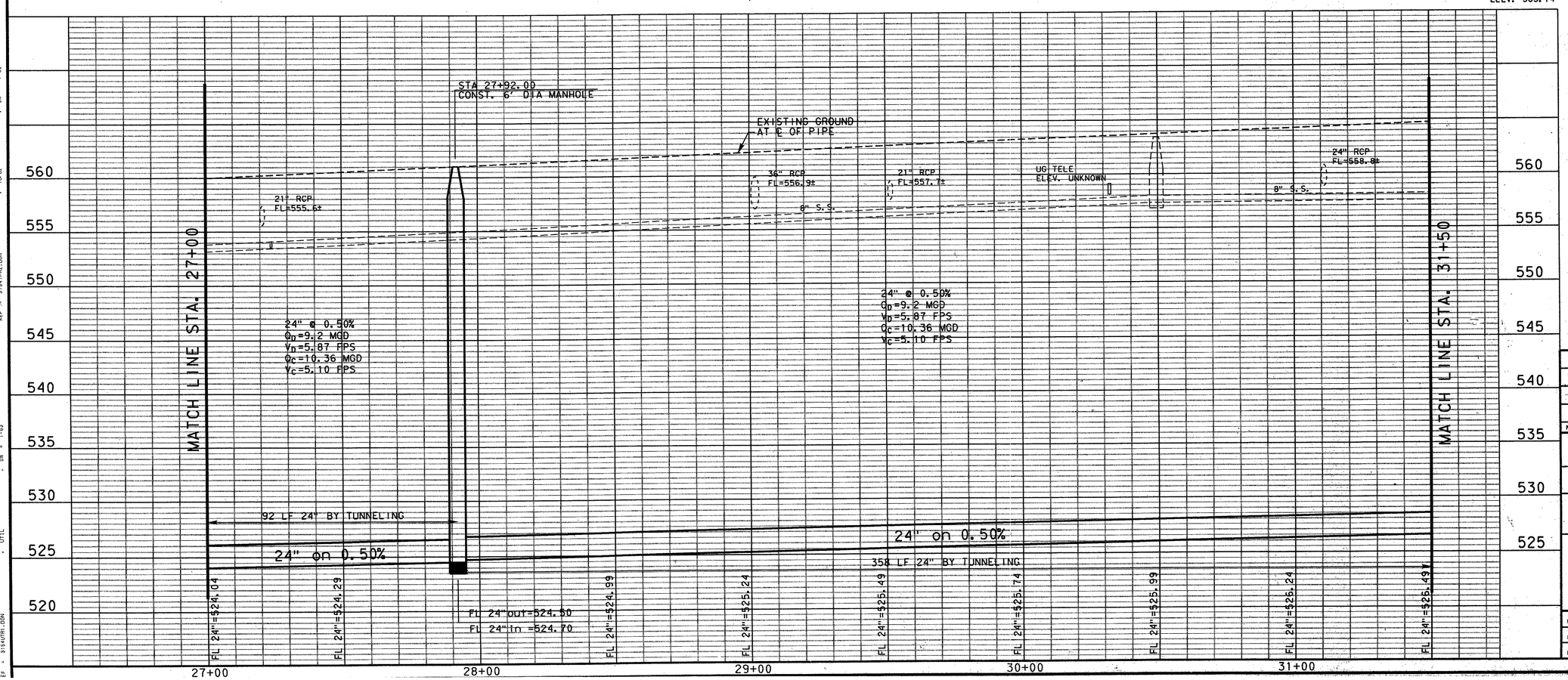
3154ss06.dgn

01-2003



0 20 40
GRAPHIC SCALE IN FEET

BENCHMARK NO. 2:
"X" CUT IN CONC IN THE CENTER OF MARSH LN. 575'± SOUTH OF SPRING VALLEY.
ELEV. 565.14



STATE OF TEXAS
JOHN H. LINDNER
6694
REGISTERED
PROFESSIONAL ENGINEER

John H. Lindner
7/22/94

NO.	DATE	REVISION	APPROV.
4			
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TOWN OF ADDISON, TEXAS

MARSH LANE SEWER INTERCEPTOR

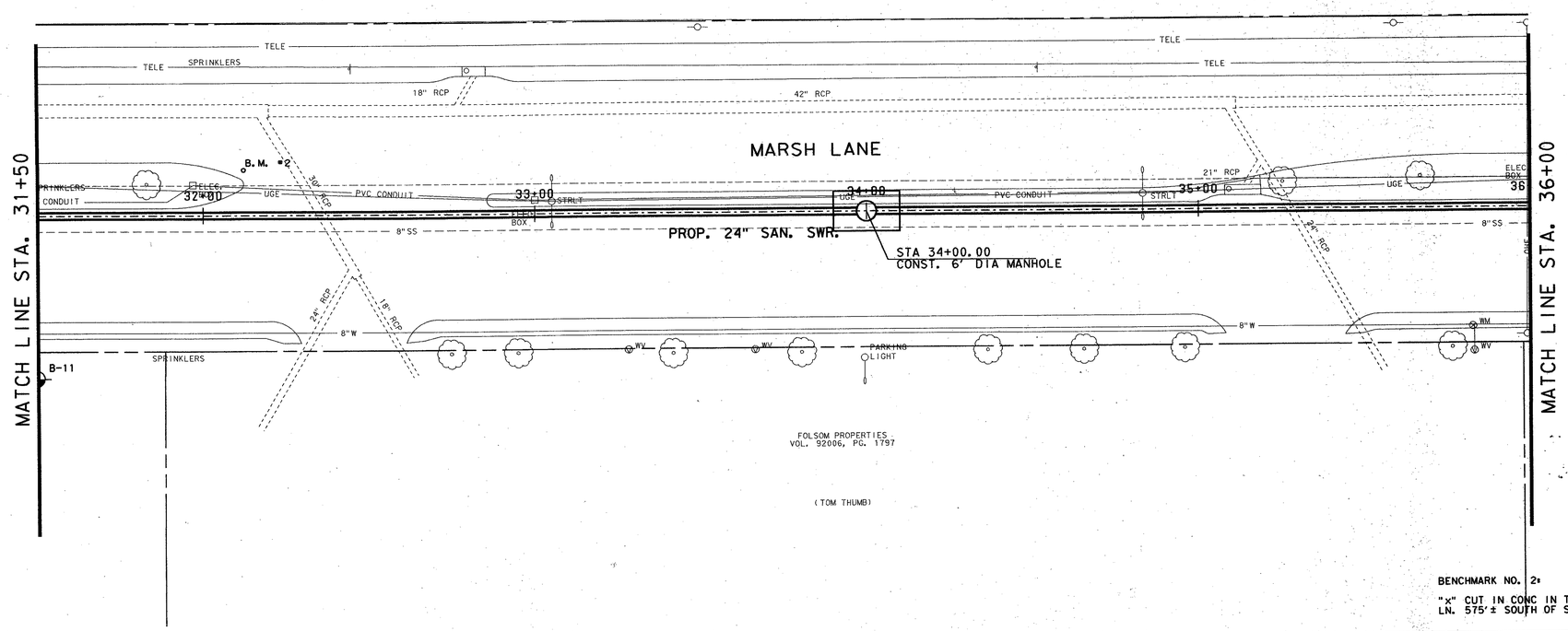
SANITARY SEWER PLAN & PROFILE

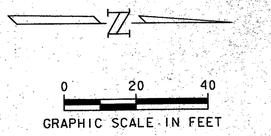
FROM STATION 27+00 TO STATION 31+50

Carter::Burgess
Consultants in Engineering, Architecture, Planning and the Environment
CARTER & BURGESS, INC.
7950 ELMBROOK DRIVE, SUITE 250
DALLAS, TX 75247-4962

Unit		Scale	Horiz. 1"=20' Vert. 1"=5'	Date	07-22-94
Designed	D. Dasen	Checked	J. Lindner	Job No.	93315401D
Drawn	B. Sowels	Approved	J. Lindner	Sheet	10 of 32

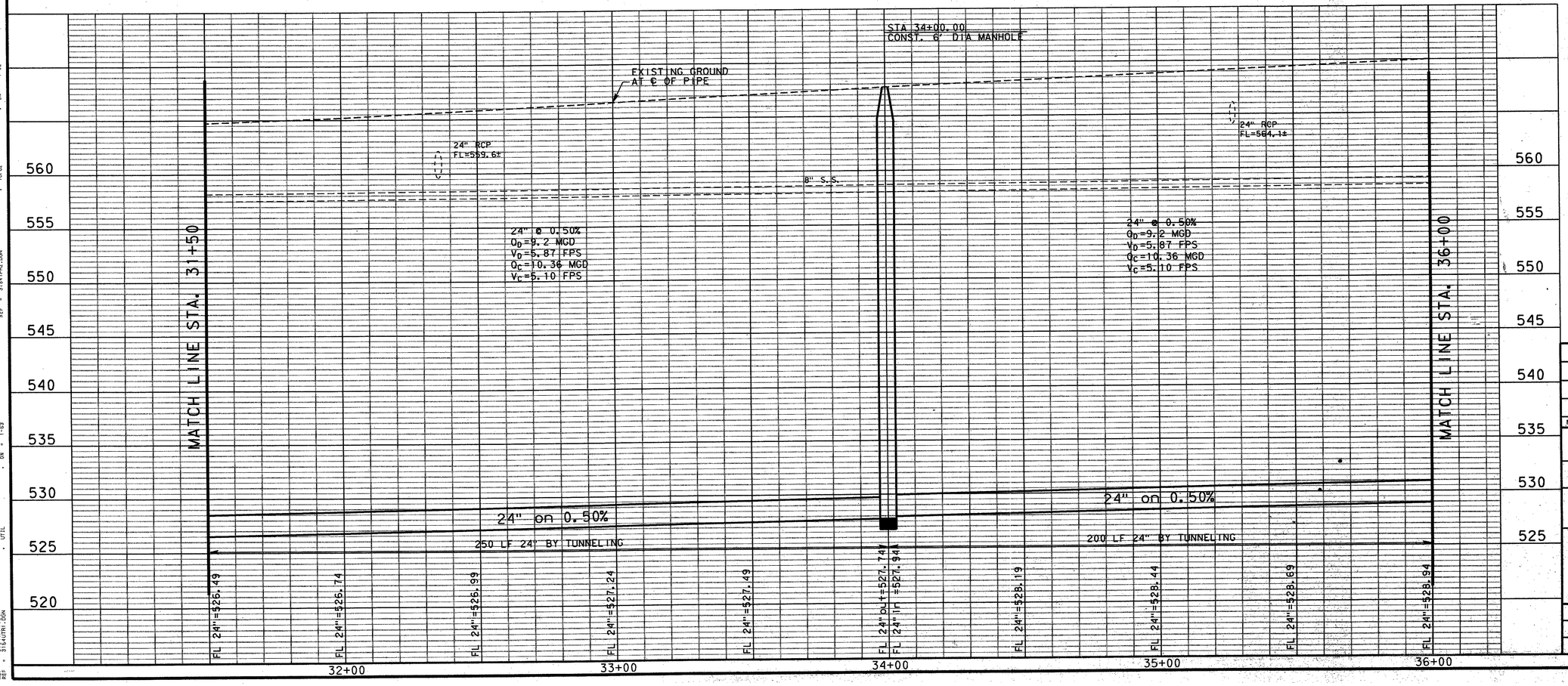
3154ss07.dgn





BENCHMARK NO. 2:

"x" CUT IN CONC IN THE CENTER OF MARSH LN. 575'± SOUTH OF SPRING VALLEY.
ELEV. 565.14



STATE OF TEXAS
JOHN H. LINDNER
54664
REGISTERED PROFESSIONAL ENGINEER

John H. Lindner
7/22/94

NO.	DATE	REVISION	APPROV.
4			
3			
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TOWN OF ADDISON, TEXAS

MARSH LANE SEWER INTERCEPTOR

SANITARY SEWER PLAN & PROFILE

FROM STATION 31+50 TO STATION 36+00

Carter :: Burgess

Consultants in Engineering, Architecture, Planning and the Environment

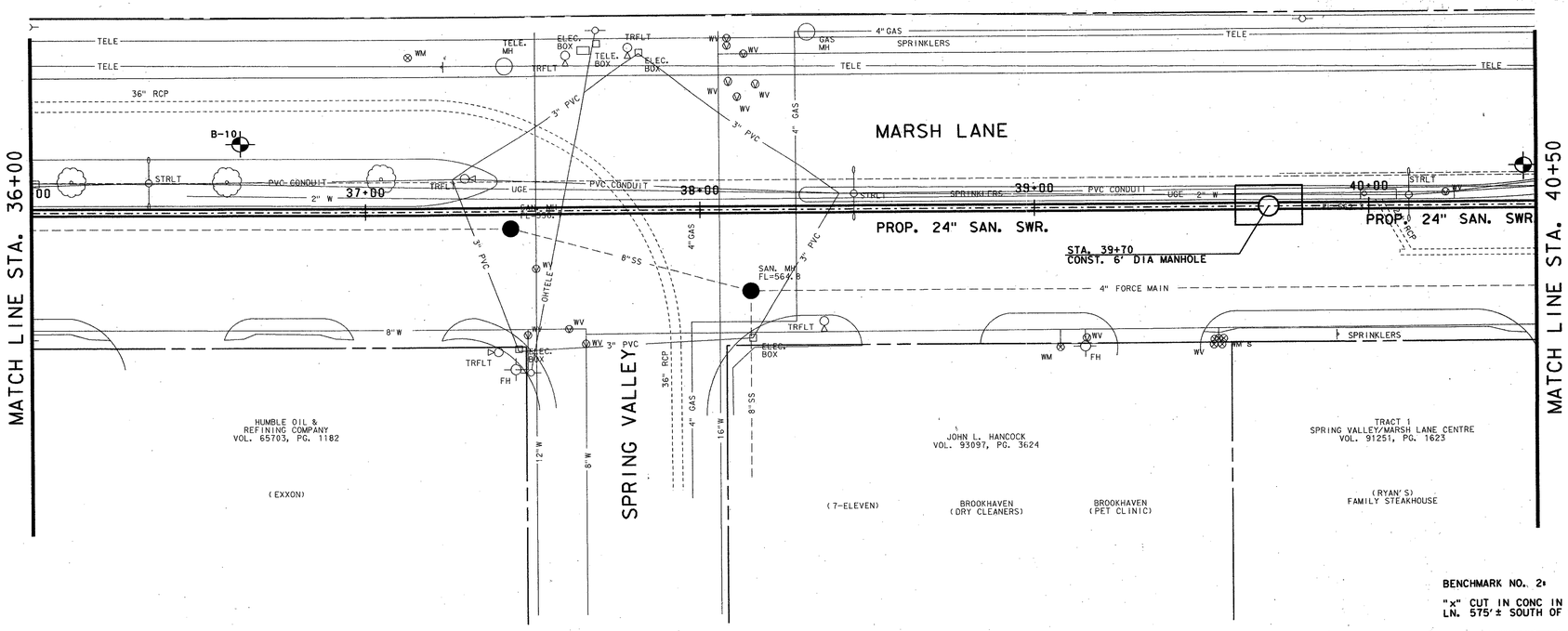
CARTER & BURGESS, INC.
7950 ELMBROOK DRIVE, SUITE 250
DALLAS, TX 75247-4961

Unit		Scale	Horiz. 1"=20' Vert. 1"=5'	Date	07-22-94
Designed	D. Desen	Checked	J. Lindner	Job No.	933154010
Drawn	B. Sowels	Approved	J. Lindner	Sheet	11 of 32

3154ss05.dgn

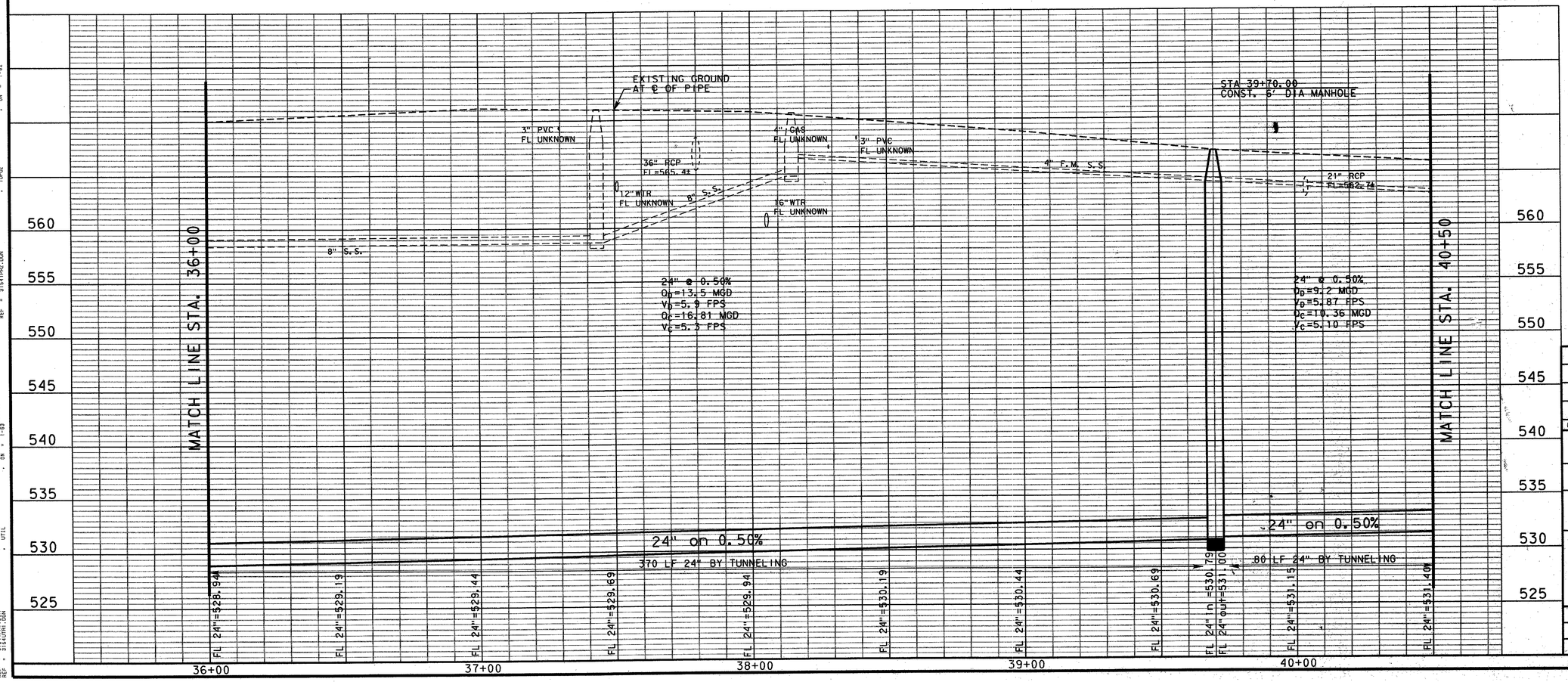
01-2003

ADDITION NO. 2



0 20 40
GRAPHIC SCALE IN FEET

BENCHMARK NO. 2:
"x" CUT IN CONC IN THE CENTER OF MARSH LN. 575'± SOUTH OF SPRING VALLEY.
ELEV. 565.14



JOHN H. LINDNER
TEXAS
7/22/94

NO.	DATE	REVISION	APPROV.
4			
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TOWN OF ADDISON, TEXAS

MARSH LANE SEWER INTERCEPTOR

SANITARY SEWER PLAN & PROFILE

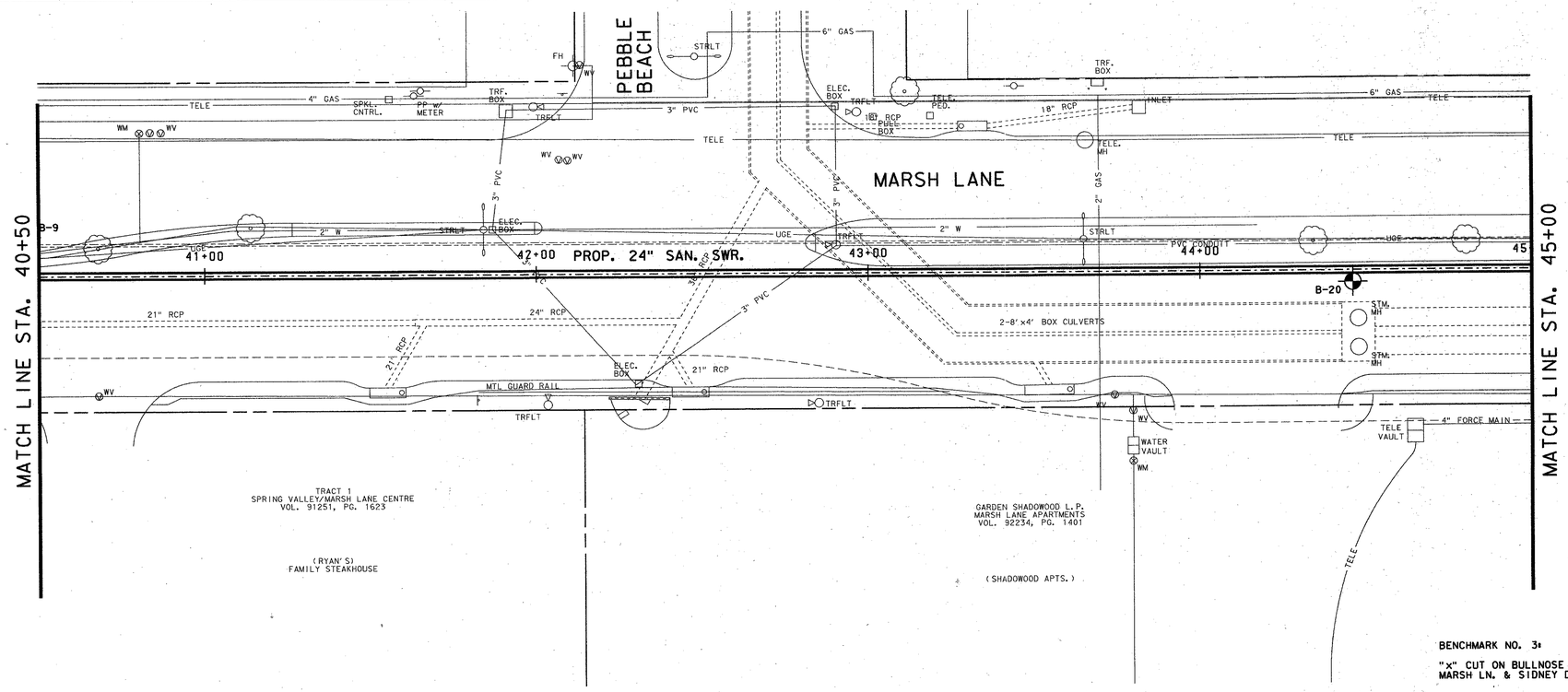
FROM STATION 36+00 TO STATION 40+50

Carter :: Burgess
Consultants in Engineering, Architecture, Planning and the Environment
CARTER & BURGESS, INC.
7200 ELMBROOK DRIVE, SUITE 250
DALLAS, TX 75247-4961

Unit		Scale	Horiz. 1"=20' Vert. 1"=5'	Date	07-22-94
Designed	D. Dasen	Checked	J. Lindner	Job No.	933154010
Drawn	B. Sowels	Approved	J. Lindner	Sheet	12 of 32

3154ss09.dgn

01-2003

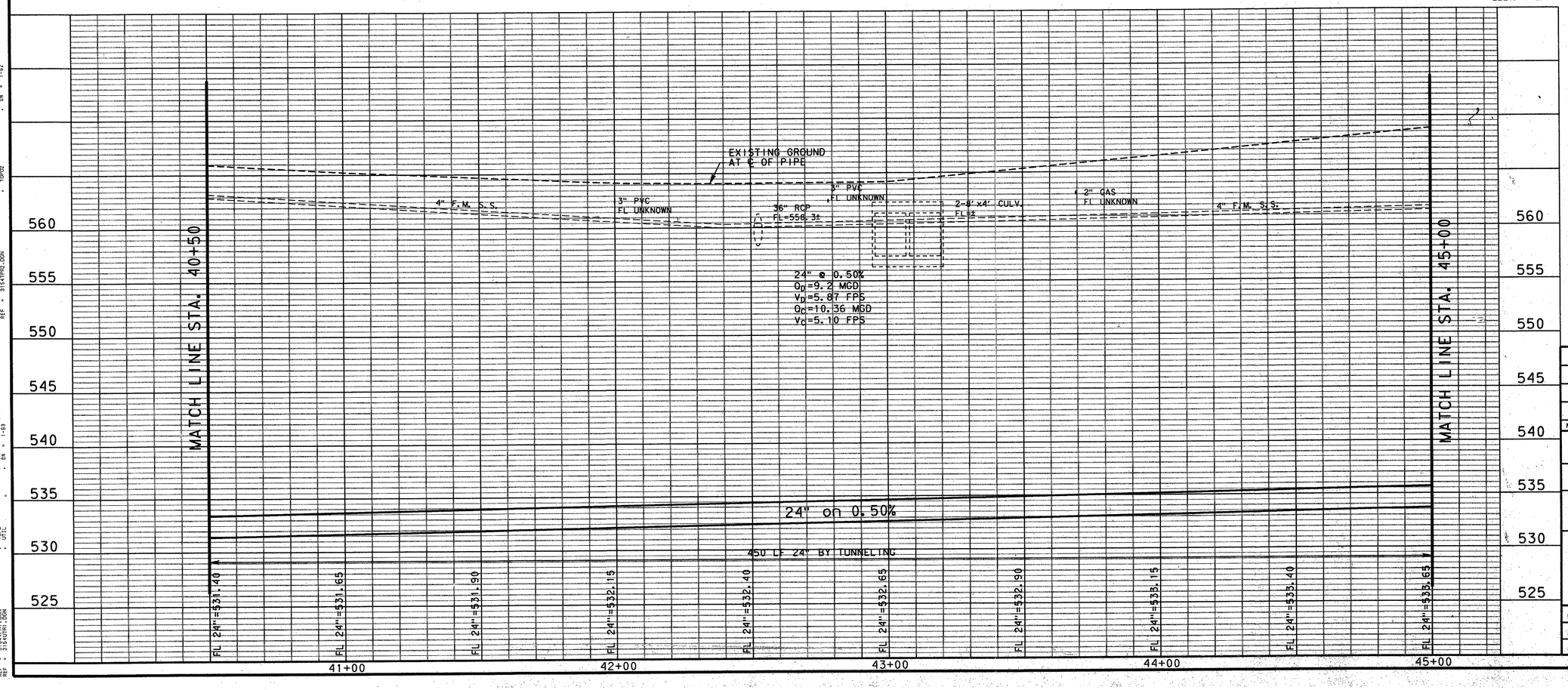


0 20 40
GRAPHIC SCALE IN FEET

BENCHMARK NO. 3:

"X" CUT ON BULLNOSE AT INTERSECTION OF MARSH LN. & SIDNEY DR.

ELEV. 572.56



John H. Lindner
7/22/94

NO.	DATE	REVISION	APPROV.
4			
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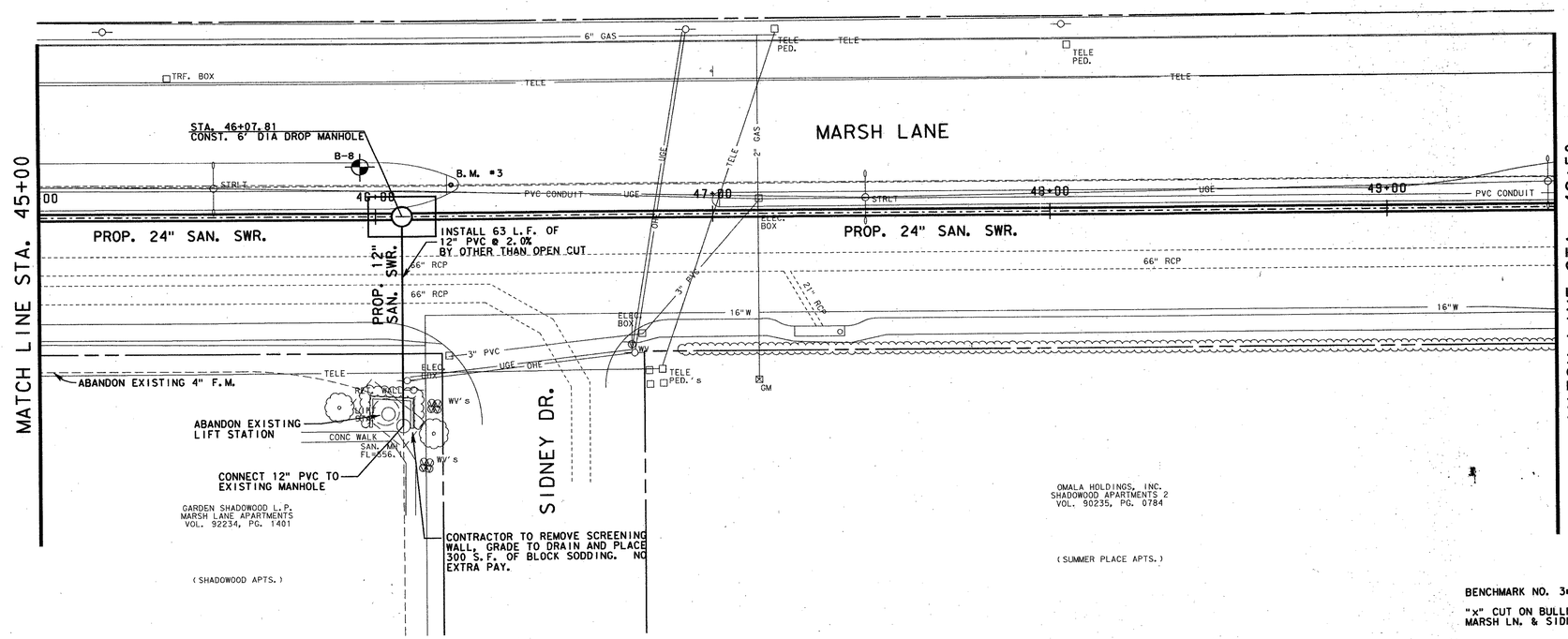
TOWN OF ADDISON, TEXAS

MARSH LANE SEWER INTERCEPTOR

SANITARY SEWER PLAN & PROFILE
FROM STATION 40+50 TO STATION 45+00

Carter :: Burgess
Consultants in Engineering, Architecture, Planning and the Environment
CARTER & BURGESS, INC.
7950 ELMBROOK DRIVE, SUITE 250
DALLAS, TX 75247-4961

Unit		Scale	Horiz. 1"=20' Vert. 1"=5'	Date	0
Designed	D. Desen	Checked	J. Lindner	Job No.	93
Drawn	B. Sowels	Approved	J. Lindner	Sheet	13



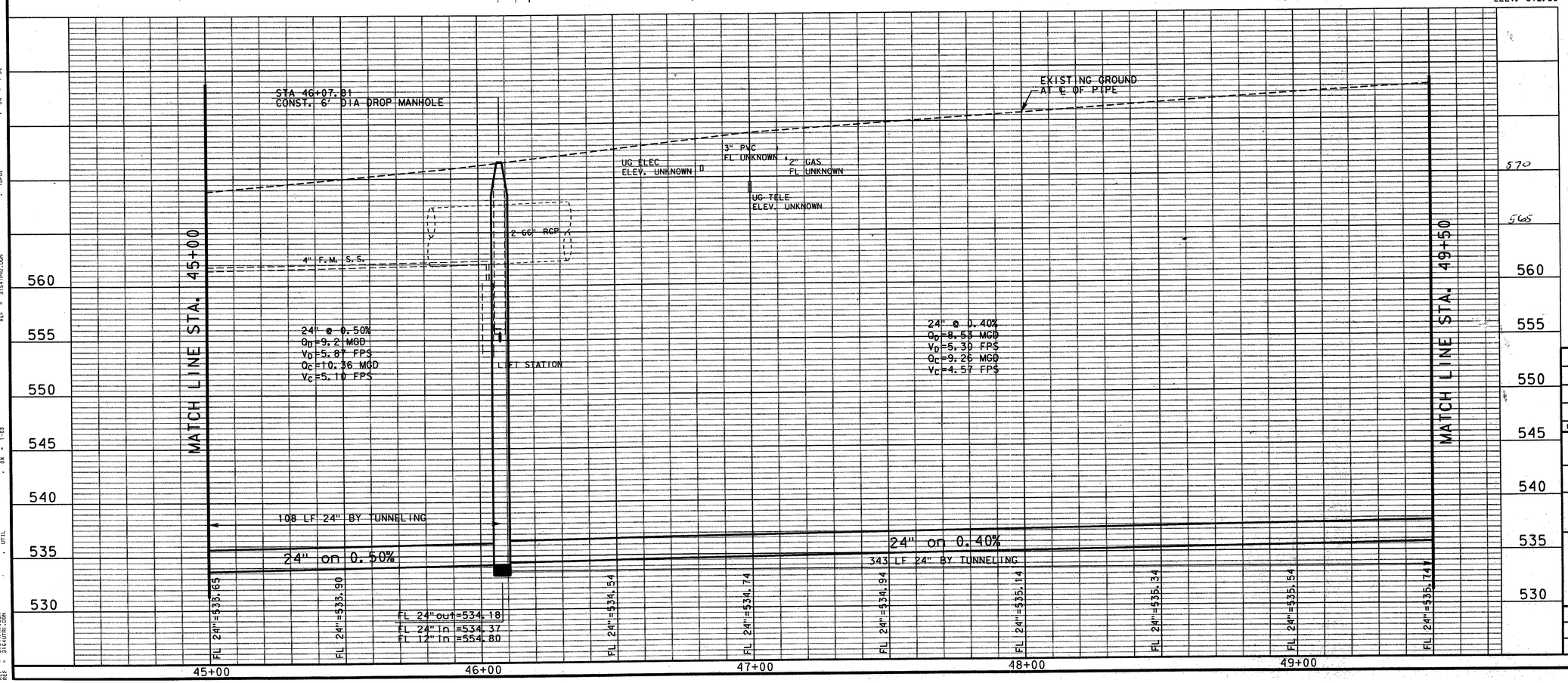
GRAPHIC SCALE IN FEET

0 20 40

BENCHMARK NO. 3:

"X" CUT ON BULLNOSE AT INTERSECTION OF MARSH LN. & SIDNEY DR.

ELEV. 572.56



STATE OF TEXAS
JOHN H. LINDNER
LICENSED
PROFESSIONAL ENGINEER

John H. Lindner
7/22/94

NO.	DATE	REVISION	APPROV.
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TOWN OF ADDISON, TEXAS

MARSH LANE SEWER INTERCEPTOR

SANITARY SEWER PLAN & PROFILE

FROM STATION 45+00 TO STATION 49+50

Carter::Burgess

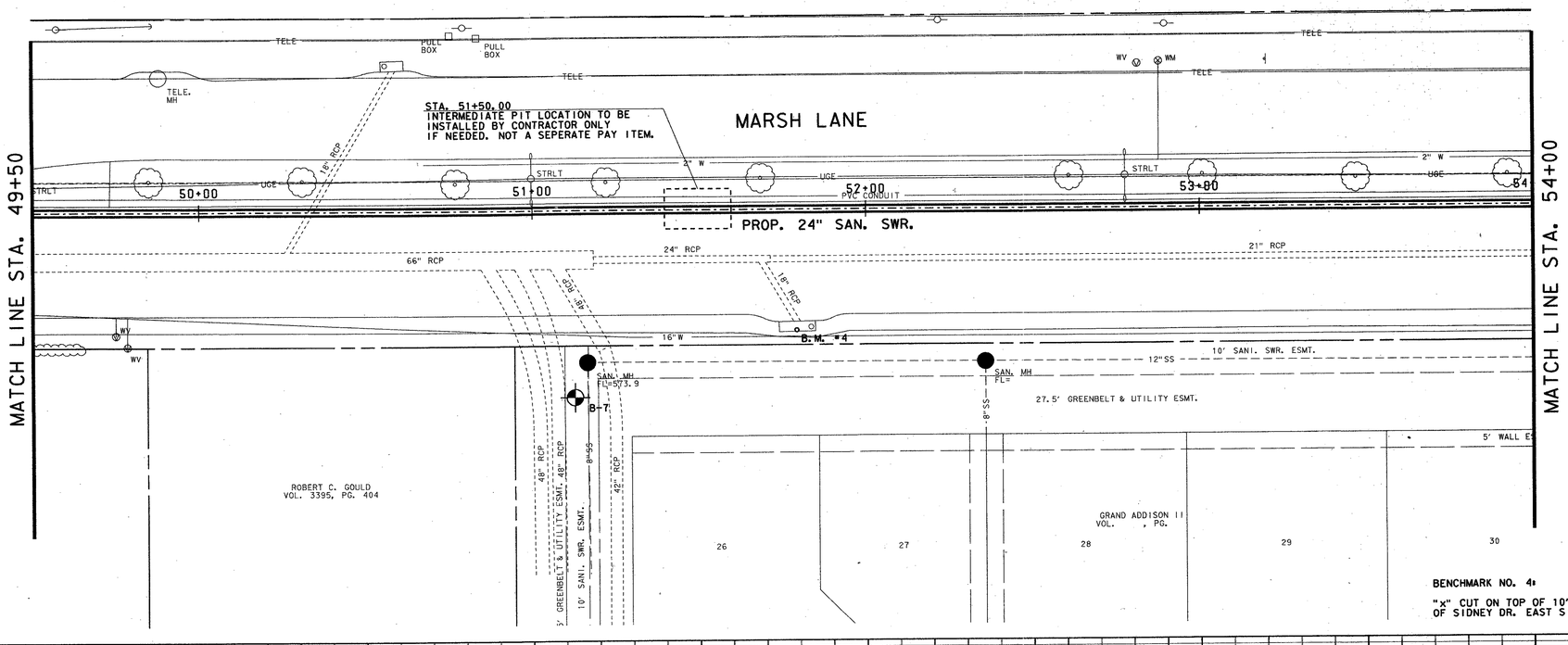
Consultants in Engineering, Architecture, Planning and the Environment

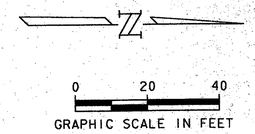
CARTER & BURGESS, INC.
7950 ELMBROOK DRIVE, SUITE 250
DALLAS, TX 75247-4963

Unit		Scale: Horiz. 1"=20' Vert. 1"=5'		Date	07-22-94
Designed	D. Desen	Checked	J. Lindner	Job No.	933154010
Drawn	B. Sowels	Approved	J. Lindner	Sheet	14 of 32

3154ss11.dgn

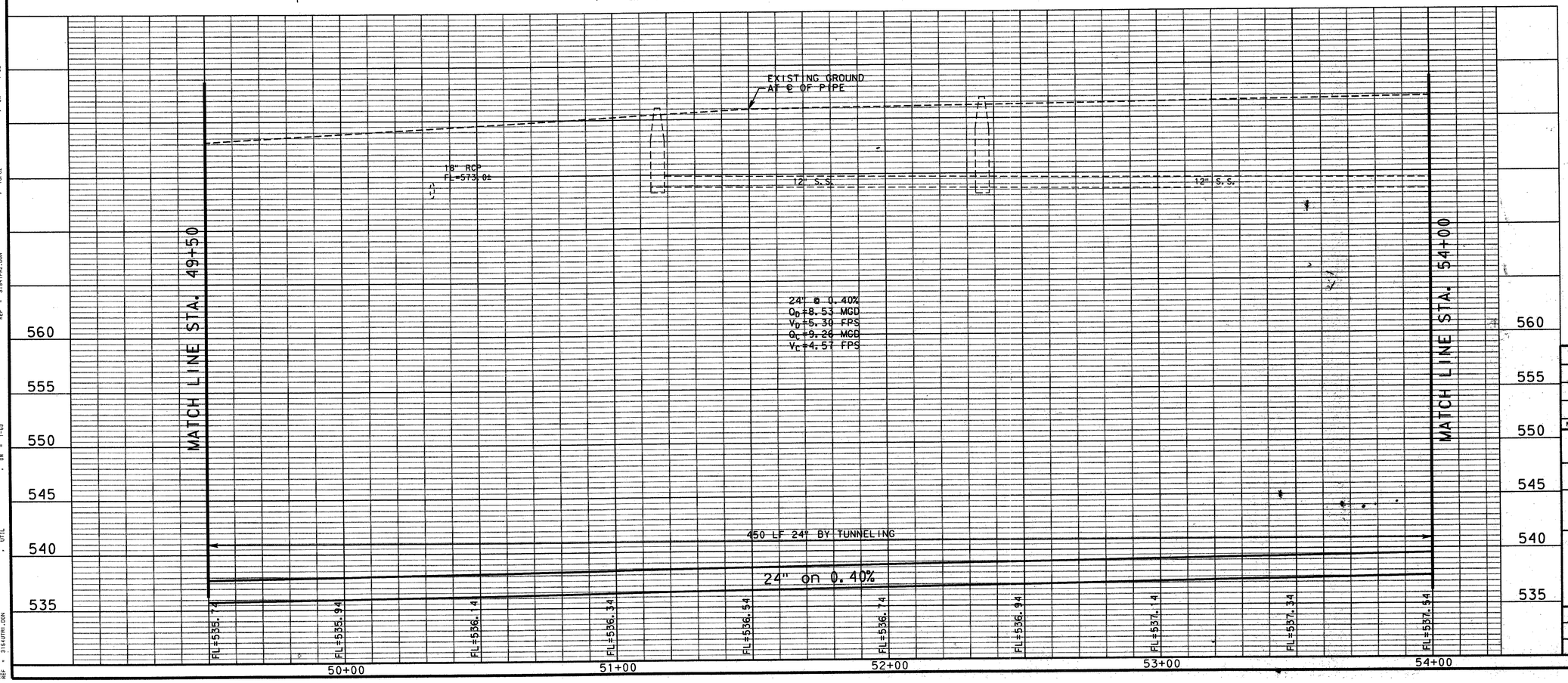
01-2003





BENCHMARK NO. 4:

"x" CUT ON TOP OF 10' INLET 530'± NORTH OF SIDNEY DR. EAST SIDE OF MARSH LN.
ELEV. 580.82



JOHN H. LINDNER
7/22/94

NO.	DATE	REVISION	APPROV.
4			
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TOWN OF ADDISON, TEXAS

MARSH LANE SEWER INTERCEPTOR

SANITARY SEWER PLAN & PROFILE

FROM STATION 49+50 TO STATION 54+00

Carter :: Burgess

Consultants in Engineering, Architecture, Planning and the Environment

CARTER & BURGESS, INC.
7950 ELMBROOK DRIVE, SUITE 250
DALLAS, TX 75247-4961

Unit		Scale Horiz. 1"=20' Vert. 1"=5'		Date	07-22-94
Designed	D. Dasen	Checked	J. Lindner	Job No.	933154010
Drawn	B. Sowels	Approved	J. Lindner	Sheet 15 of 32	

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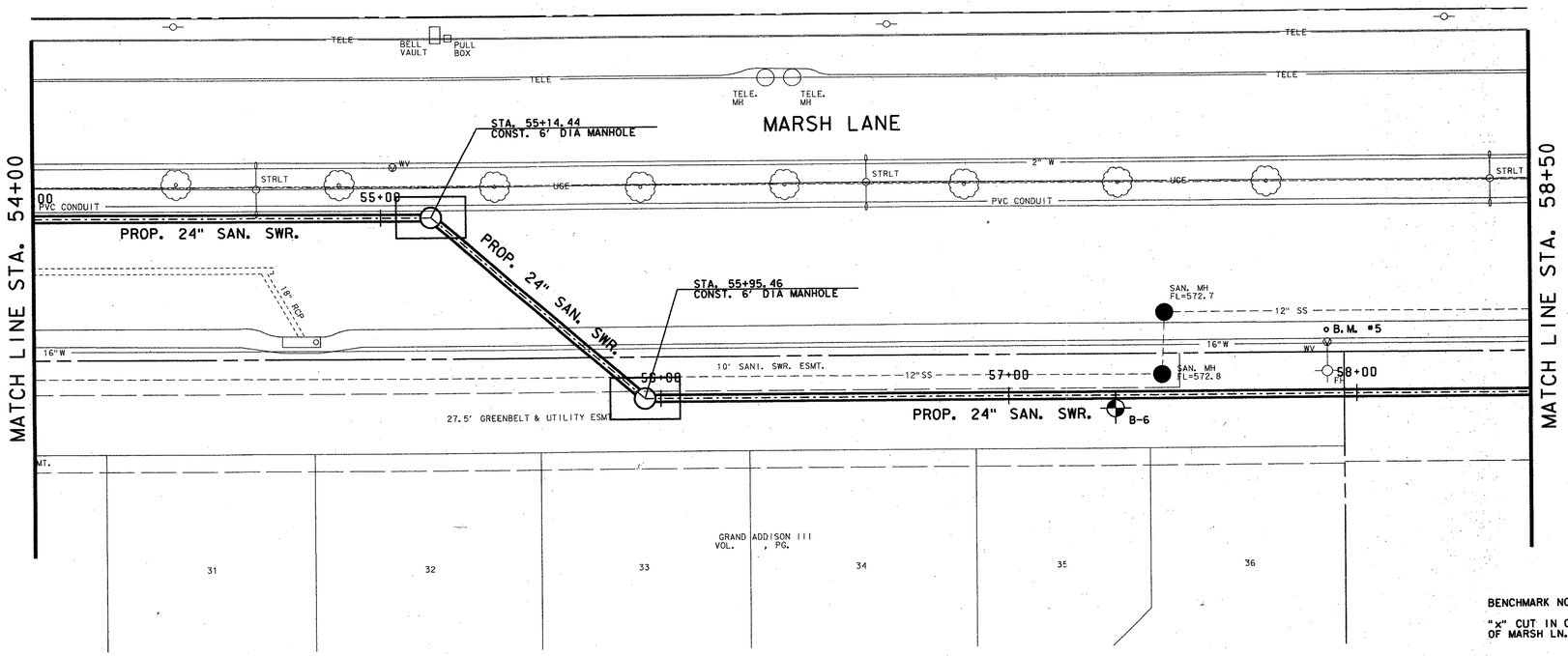
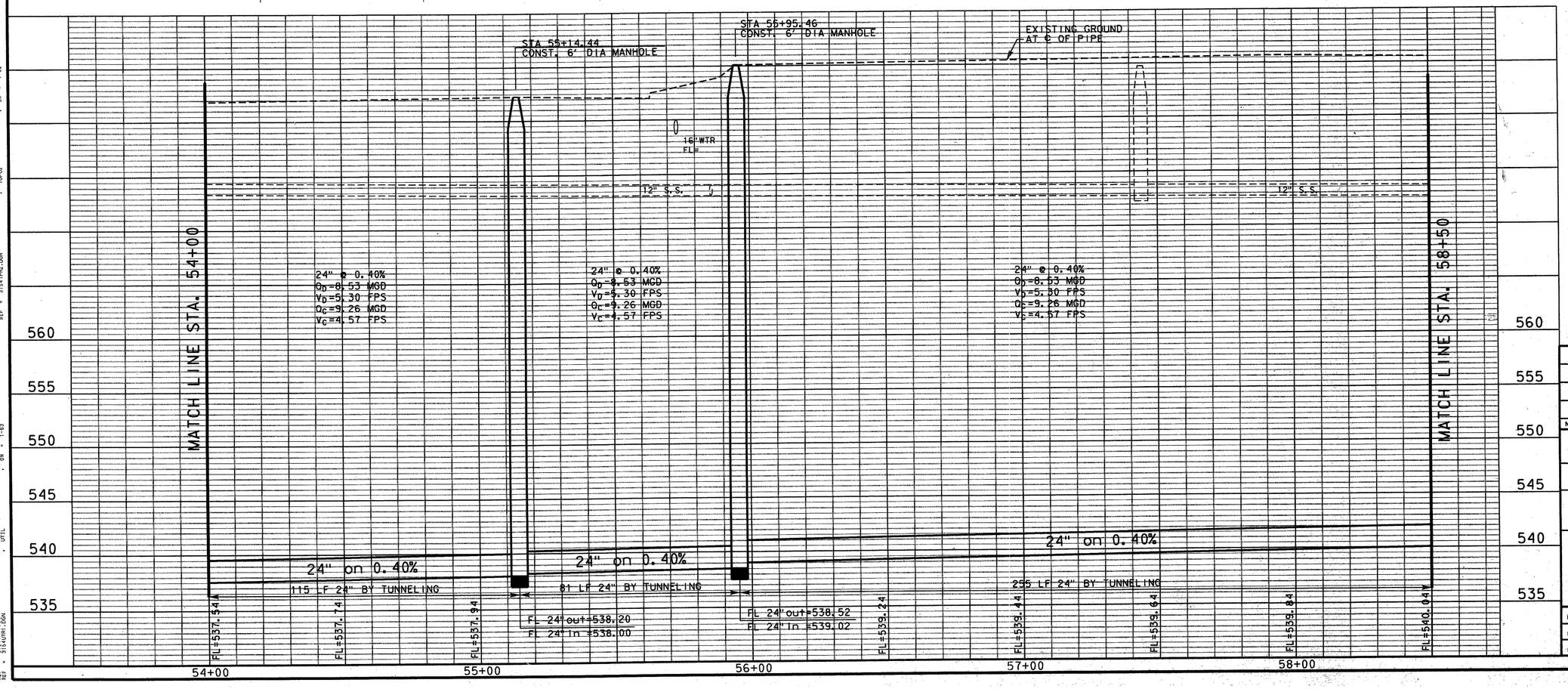
01-2003



0 20 40
GRAPHIC SCALE IN FEET

BENCHMARK NO. 5:

"X" CUT IN CENTER OF CONC WALK EAST SIDE OF MARSH LN. 580'± SOUTH OF TANGLEWOOD. ELEV. 583.79



John H. Lindner
7/22/94

NO.	DATE	REVISION	APPROV.
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TOWN OF ADDISON, TEXAS

MARSH LANE SEWER INTERCEPTOR

SANITARY SEWER PLAN & PROFILE

FROM STATION 54+00 TO STATION 58+50

Carter :: Burgess

Consultants in Engineering, Architecture, Planning and the Environment

CARTER & BURGESS, INC.
7950 ELMBROOK DRIVE, SUITE 230
DALLAS, TX 75247-4961

Unit		Scale	Horiz. 1"=20' Vert. 1"=5'	Date	07-22-94
Designed	D. Desen	Checked	J. Lindner	Job No.	93315401D
Drawn	B. Sowels	Approved	J. Lindner	Sheet	16 of 32

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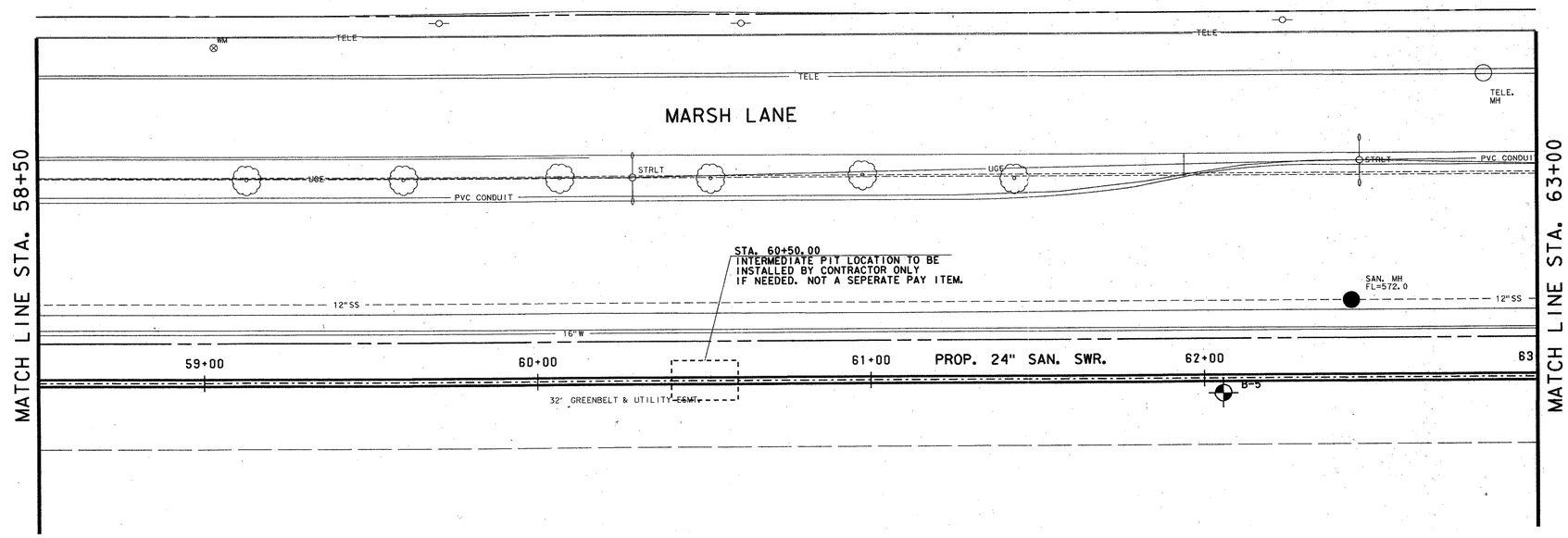
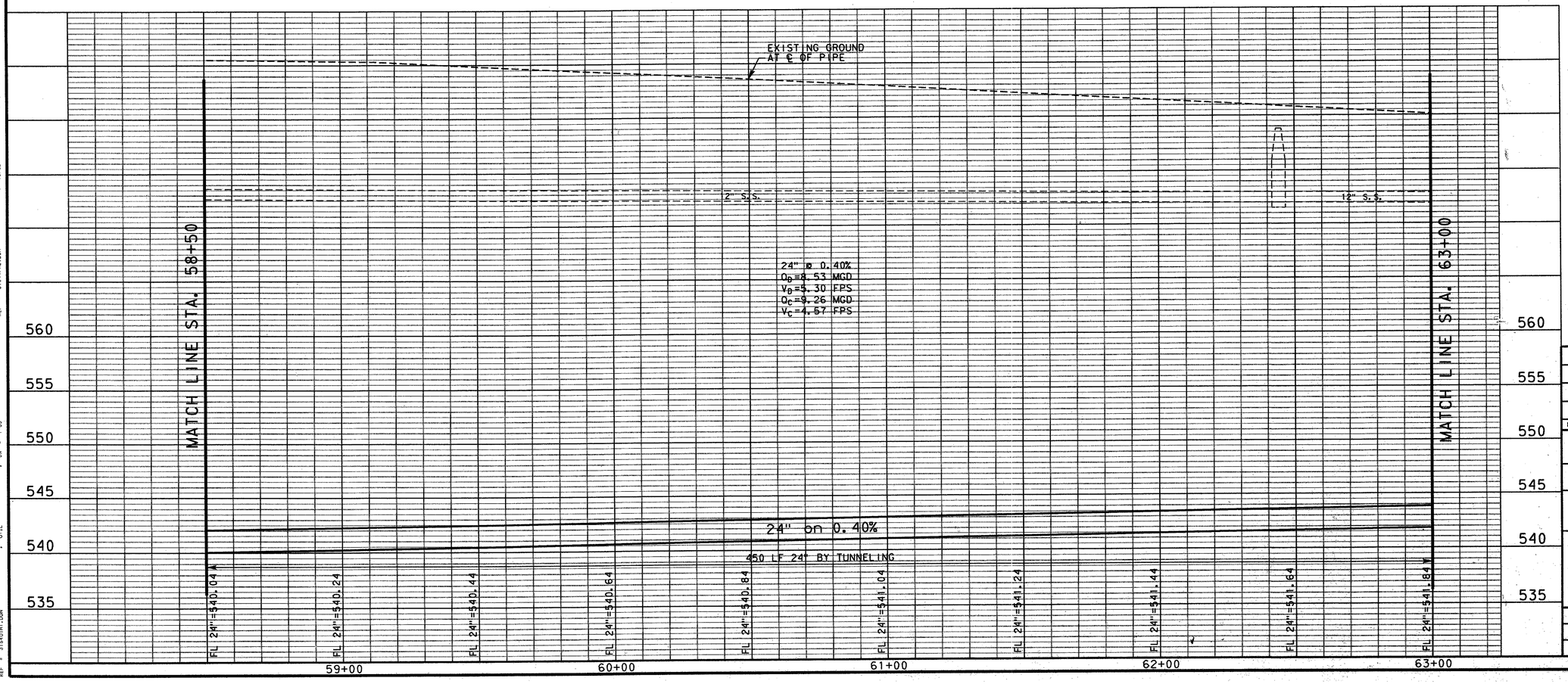
01-2003



WATERFORD COURT JOINT VENTURE
VOL. 92233, PG. 1122

BENCHMARK NO. 5:

"X" CUT IN CENTER OF CONC WALK EAST SIDE
OF MARSH LN. 580'± SOUTH OF TANGLEWOOD.
ELEV. 583.79



STATE OF TEXAS
JOHN H. LINDNER
54084
REGISTERED
PROFESSIONAL ENGINEER

John H. Lindner
7/22/94

NO.	DATE	REVISION	APPROV.
4			
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TOWN OF ADDISON, TEXAS

MARSH LANE SEWER INTERCEPTOR

SANITARY SEWER PLAN & PROFILE

FROM STATION 58+50 TO STATION 63+00

Carter :: Burgess

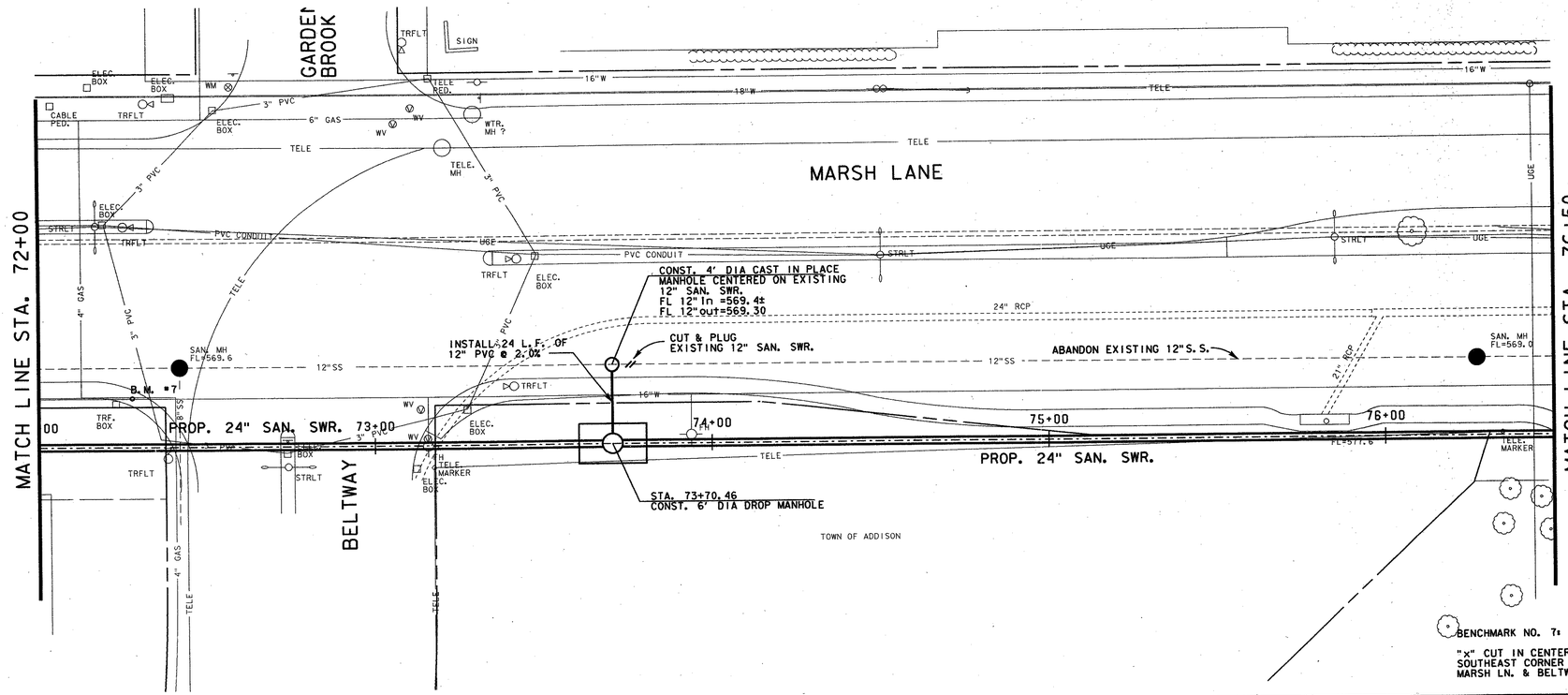
Consultants in Engineering, Architecture, Planning and the Environment

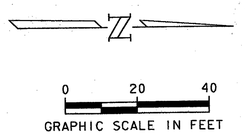
CARTER & BURGESS, INC.
7950 ELMBROOK DRIVE, SUITE 250
DALLAS, TX 75247-4961

Unit		Scale: Horiz. 1"=20' Vert. 1"=5'		Date	07-22-94
Designed	D. Desen	Checked	J. Lindner	Job No.	93315401D
Drawn	B. Sowels	Approved	J. Lindner	Sheet	17 of 32

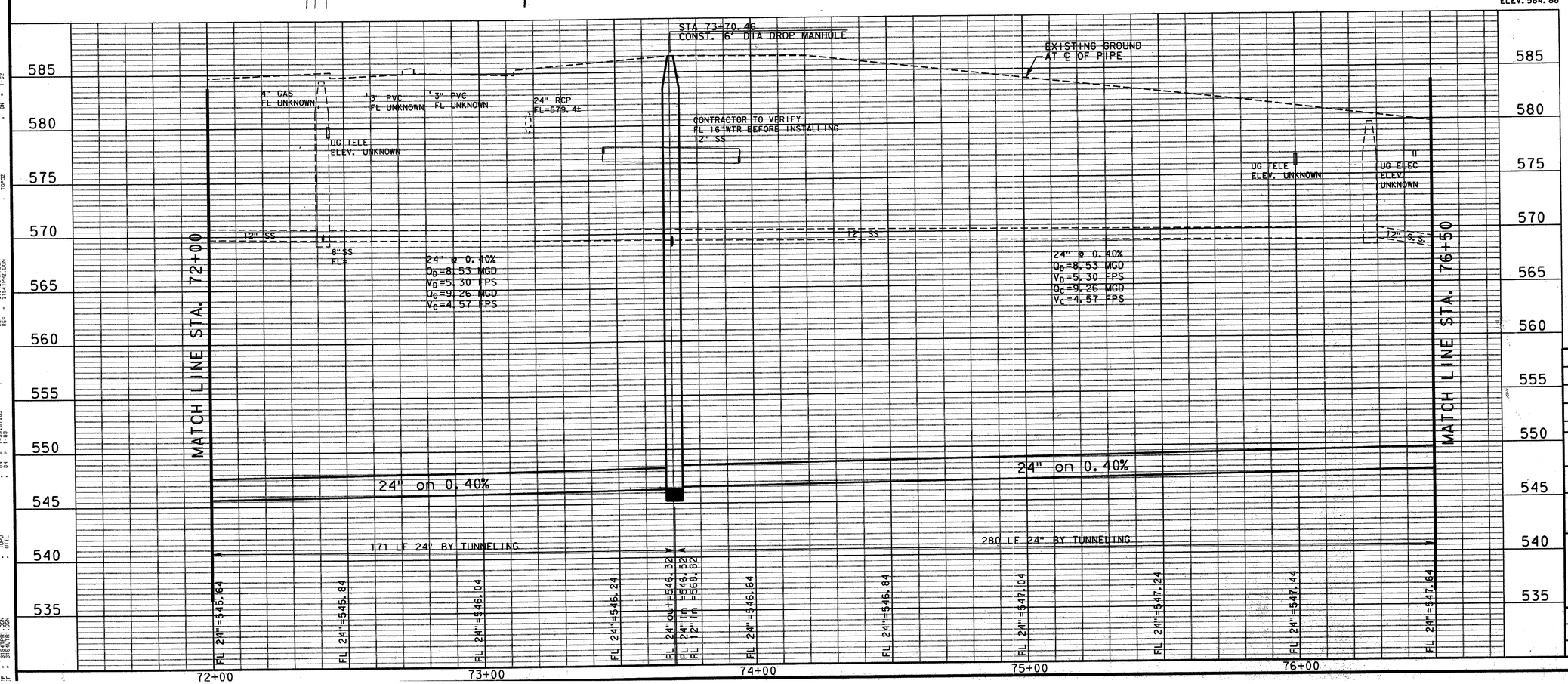
3154ss14.dgn

01-2003





BENCHMARK NO. 7:
"x" CUT IN CENTER OF CONC WALK IN THE SOUTHEAST CORNER AT THE INTERSECTION OF MARSH LN. & BELTWAY.
ELEV. 584.88



John H. Lindner
7/22/94

NO.	DATE	REVISION	APPROV.
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TOWN OF ADDISON, TEXAS

MARSH LANE SEWER INTERCEPTOR

SANITARY SEWER PLAN & PROFILE

FROM STATION 72+00 TO STATION 76+50

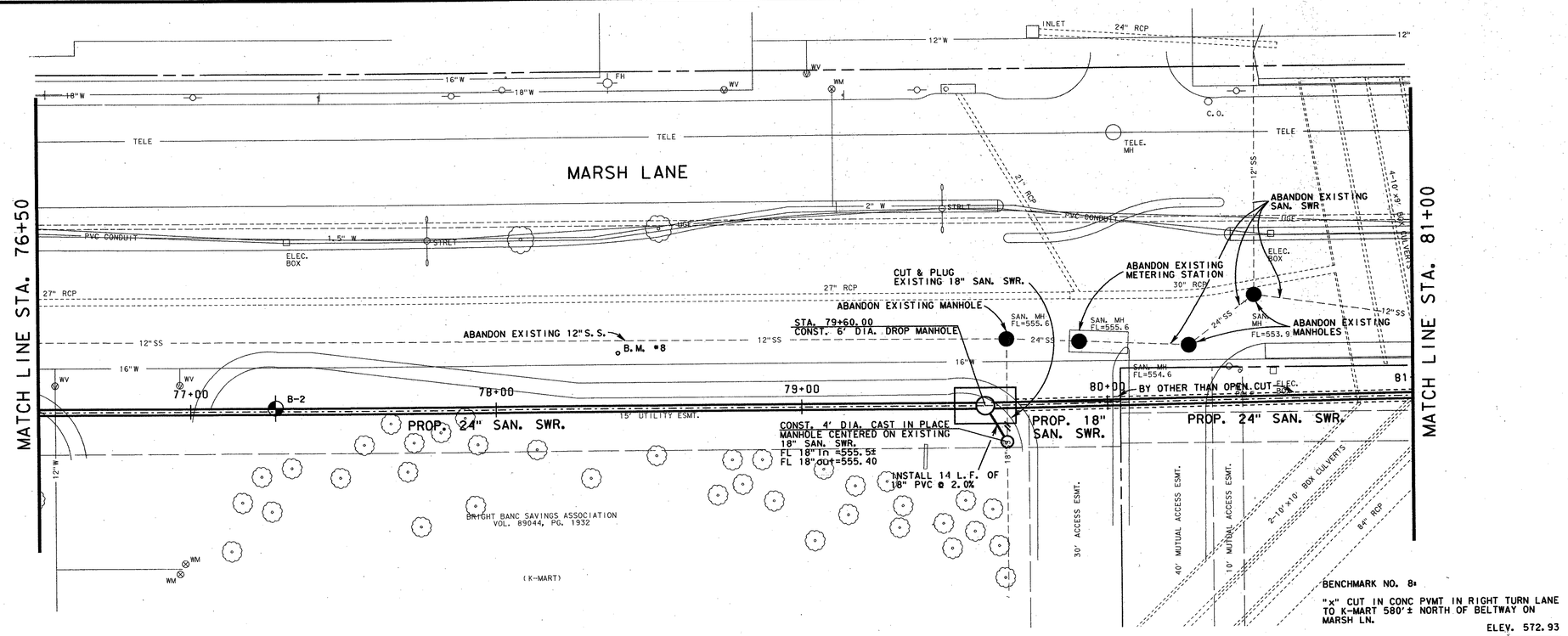
Carter :: Burgess

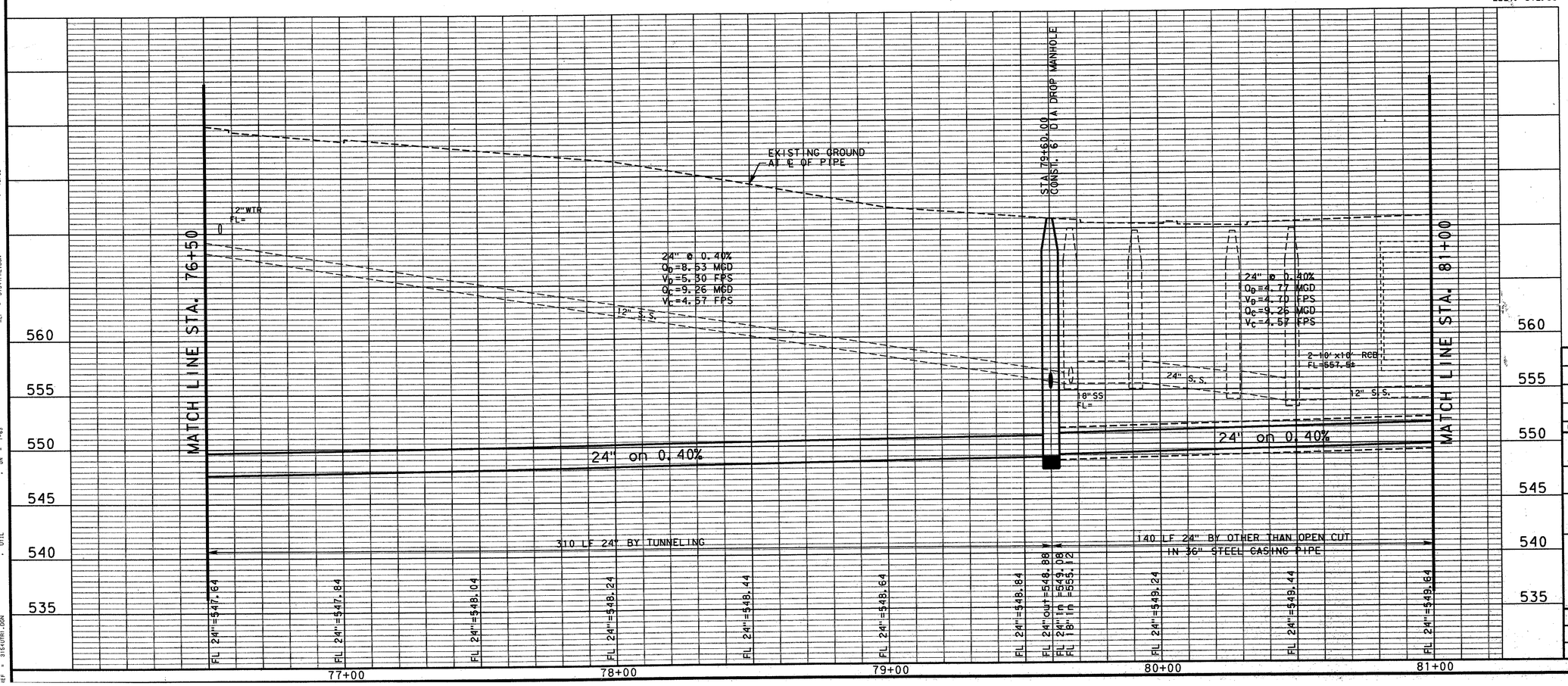
Consultants in Engineering, Architecture, Planning and the Environment

CARTER & BURGESS, INC.
7950 ELMBROOK DRIVE, SUITE 250
DALLAS, TX 75247-4961

Unit		Scale	Horiz. 1"=20' Vert. 1"=5'	Date	07-22-94
Designed	D. Desen	Checked	J. Lindner	Job No.	933154010
Drawn	B. Sowels	Approved	J. Lindner	Sheet	20 of 32

3154ms17.dgn





NO.	DATE	REVISION	APPROV.
4			
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TOWN OF ADDISON, TEXAS

MARSH LANE SEWER INTERCEPTOR

SANITARY SEWER PLAN & PROFILE

FROM STATION 76+50 TO STATION 81+00

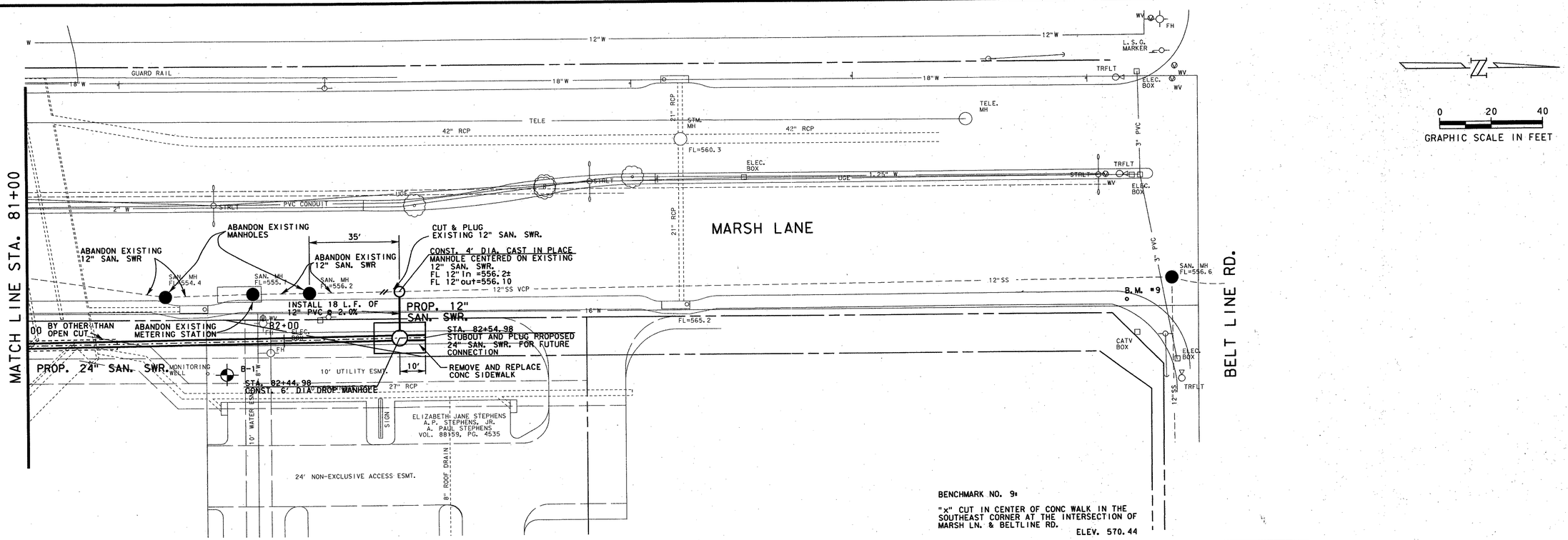
Carter :: Burgess

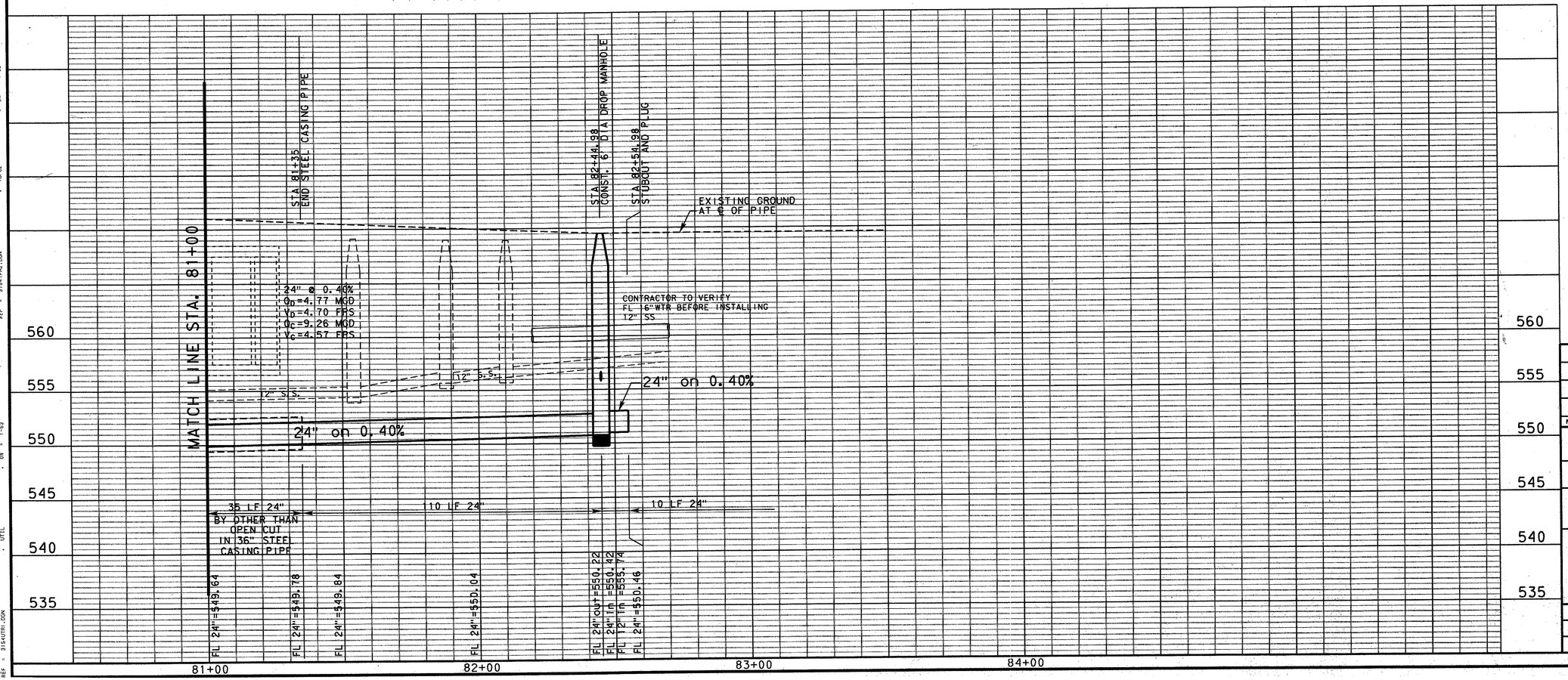
Consultants in Engineering, Architecture, Planning and the Environment

CARTER & BURGESS, INC.
7950 ELMBROOK DRIVE, SUITE 250
DALLAS, TX 75247-4961

Unit		Scale Horiz. 1"=20' Vert. 1"=5'		Date	07-22-94
Designed	D. Desen	Checked	J. Lindner	Job No.	933154010
Drawn	B. Sowels	Approved	J. Lindner	Sheet	21 of 32

3154sa18.dgn





NO.	DATE	REVISION	APPROV.
4			
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TOWN OF ADDISON, TEXAS

MARSH LANE SEWER INTERCEPTOR

SANITARY SEWER PLAN & PROFILE

FROM STATION 81+00 TO STATION 82+54.98

Carter :: Burgess

Consultants in Engineering, Architecture, Planning and the Environment

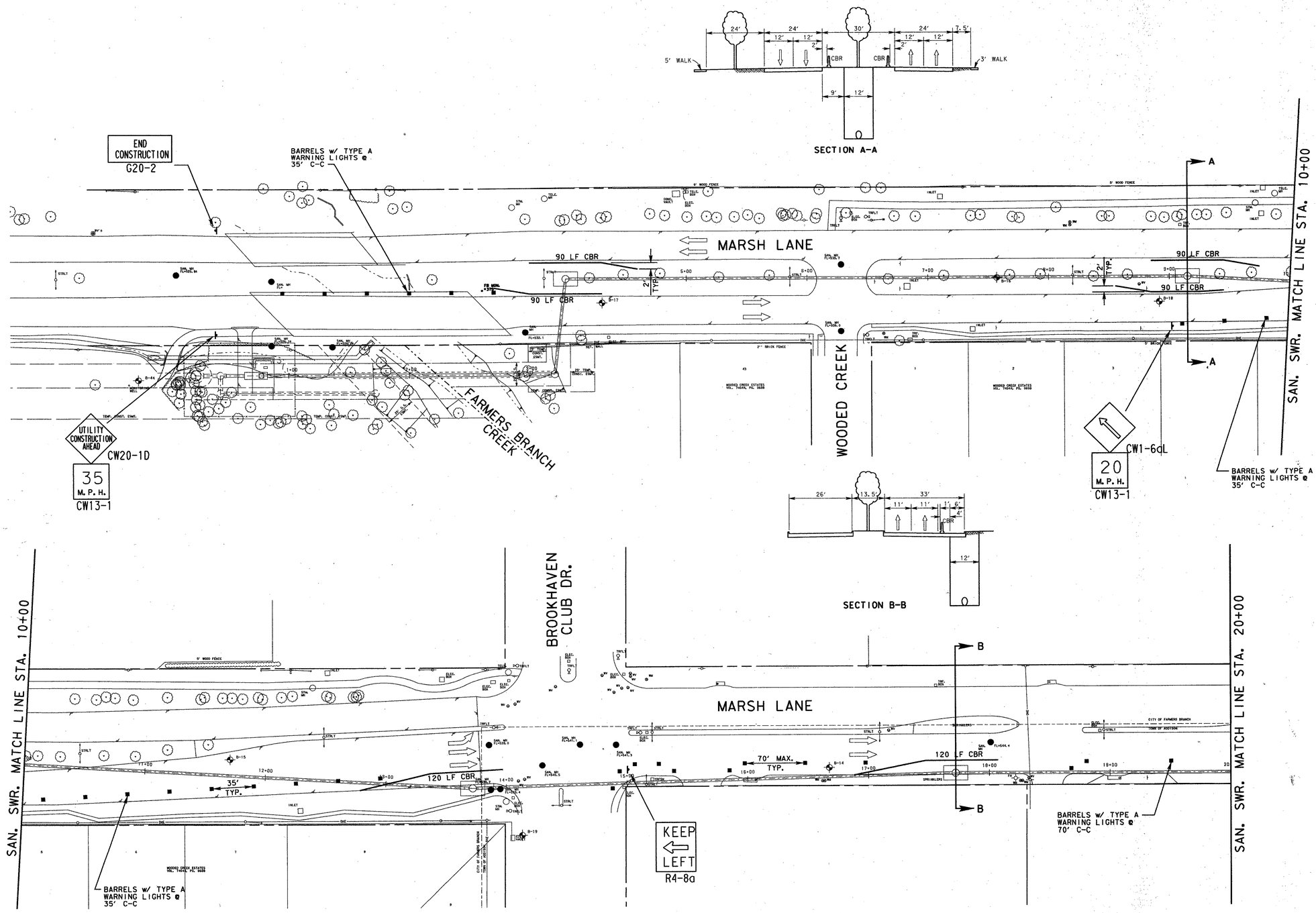
CARTER & BURGESS, INC.
7950 ELMBROOK DRIVE, SUITE 250
DALLAS, TX 75247-4961

Unit		Scale: Horiz. 1"=20' Vert. 1"=5'		Date	07-22-94
Designed	D. Desen	Checked	J. Lindner	Job No.	933154010
Drawn	B. Sowels	Approved	J. Lindner	Sheet	22 of 32

3154ss19.dgn

STATE OF TEXAS — JOHN H. LINDNER — 61654 — PROFESSIONAL ENGINEER

John H. Lindner 7/22/94



0 40 80
GRAPHIC SCALE IN FEET

LEGEND

- CONCRETE BARRIER RAIL (CBR) w/ REFLECTIVE MARKERS
- METAL BEAM GUARD FENCE (MBGF)
- 4" SOLID WHITE LANE STRIPE
- BARRELS w/TYPE A WARNING LIGHTS
- SIGNS
- TRAFFIC FLOW

GENERAL NOTES:

1. ALL SIGNS, BARRICADES AND OTHER TRAFFIC CONTROL DEVICES SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE TEXAS UNIFORM MANUAL ON TRAFFIC CONTROL DEVICES, LATEST EDITION, AND IN ACCORDANCE WITH STANDARD DETAILS BC(1)-89 THRU BC(7)-89.
2. PAVEMENT MARKINGS AS SHOWN IN THESE PLANS ARE INTENDED FOR TEMPORARY TRAFFIC CONTROL DURING CONSTRUCTION. CONTRACTOR SHALL PLACE AND MAINTAIN MARKINGS CLEAR OF DUST AND DIRT THROUGHOUT CONSTRUCTION. THE CONTRACTOR SHALL,AS DIRECTED BY ENGINEER, REMOVE TEMPORARY PAVEMENT MARKINGS AND RESTORE THE ORIGINAL MARKINGS TO A LIKE CONDITIONS IN ACCORDANCE WITH TOWN STANDARDS.
3. WHEN THE CONTRACTOR HAS COMPLETED CONSTRUCTION OF THE PROPOSED INTERCEPTOR LINE AND THE LINE IS PLACED IN SERVICE, THE CONTRACTOR SHALL PROVIDE THE CITY TRAFFIC CONTROL PLANS FOR WORK RELATED TO ABANDONING EXISTING SEWER MANHOLES ALONG THE PROJECT AS CALLED FOR IN THE PLANS.
4. LOCATIONS OF SIGNS, BARRICADES AND TRAFFIC CONTROL DEVICES SHOWN ARE APPROXIMATE AND MAY BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY ENGINEER.
5. TEMPORARY REGULATORY, WARNING AND DIRECTIONAL SIGNS WILL BE FURNISHED BY THE CONTRACTOR. SUCH SIGNS SHALL BE ERECTED BY THE CONTRACTOR ON TEMPORARY SIGN SUPPORTS. NO EXISTING SIGNS OR POSTS WILL BE REMOVED OR DISTURBED UNLESS APPROVED BY THE CITY.

STATE OF TEXAS
BRUCE S. RUSSELL
55389
REGISTERED PROFESSIONAL ENGINEER

7/22/94

NO.	DATE	REVISION	APPROV.
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TOWN OF ADDISON, TEXAS

MARSH LANE SEWER INTERCEPTOR

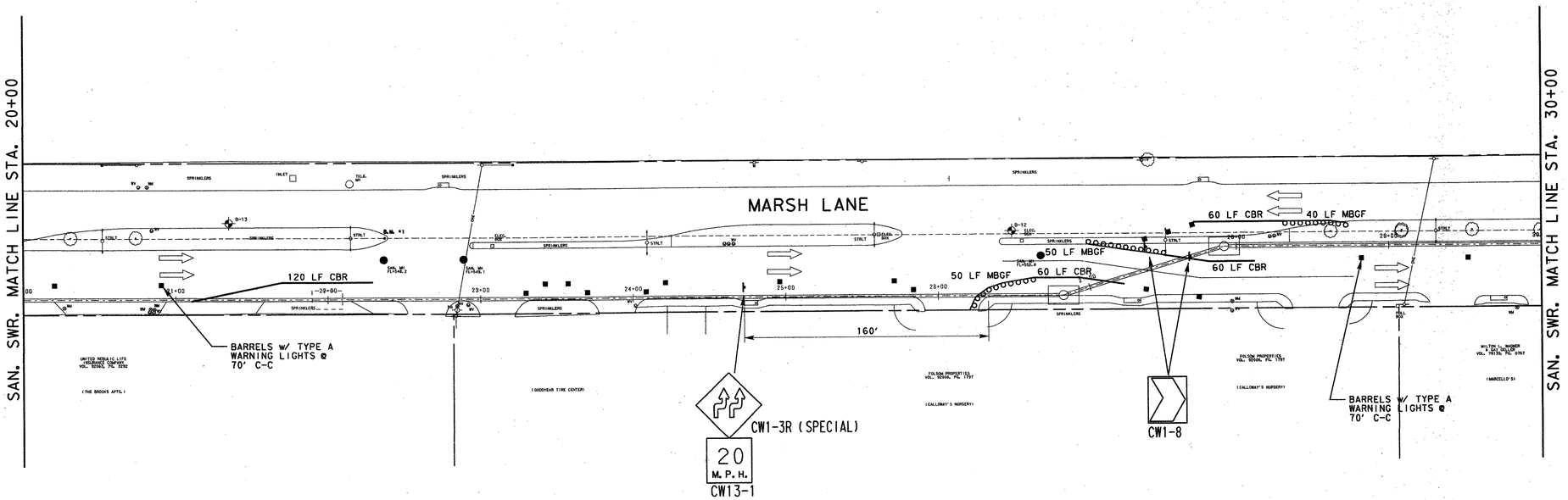
TRAFFIC CONTROL PLAN

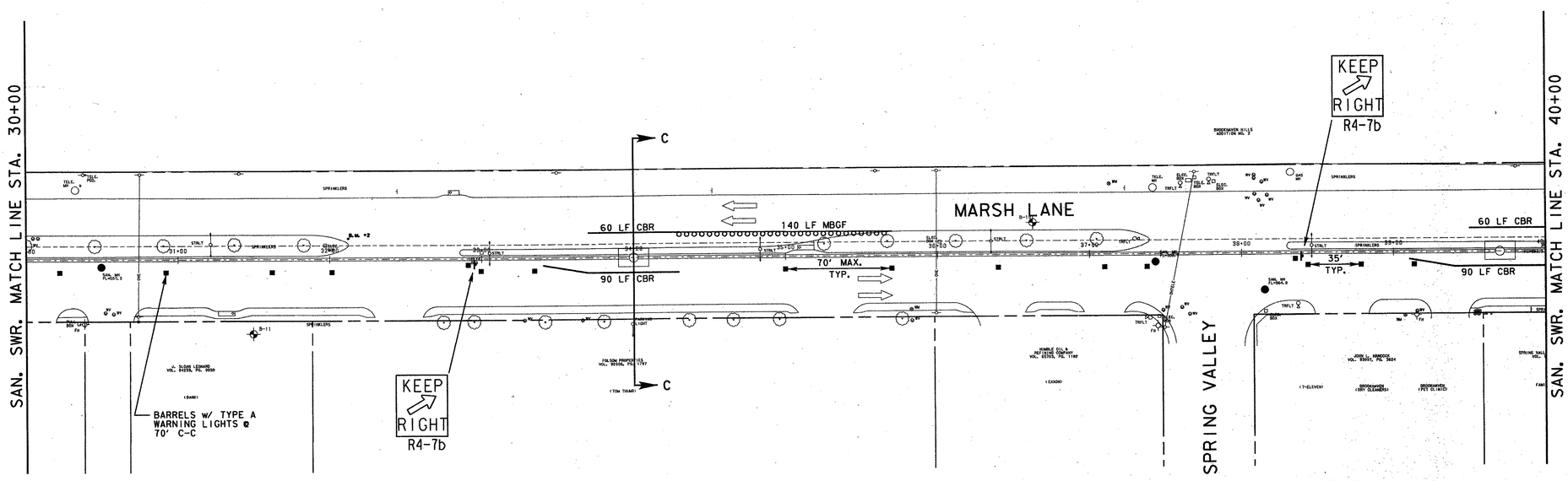
FROM FARMERS BRANCH CREEK TO S.S. STATION 20+00

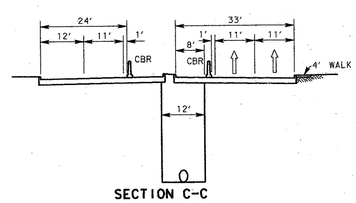
Carter::Burgess
Consultants in Engineering, Architecture, Planning and the Environment
CARTER & BURGESS, INC.
7950 ELMBROOK DRIVE, SUITE 250
DALLAS, TX 75247-4961

Unit		Scale	1" = 40'	Date	07-22-94
Designed	H. Humphreys	Checked	B. Russell	Job No.	933154010
Drawn	B. Sowels	Approved	B. Russell	Sheet	23 of 32

3154tc01.dgn







SECTION C-C

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GRAPHIC SCALE IN FEET

LEGEND

- CONCRETE BARRIER RAIL (CBR) w/ REFLECTIVE MARKERS
- METAL BEAM GUARD FENCE (MBGF)
- 4" SOLID WHITE LANE STRIPE
- BARRELS w/ TYPE A WARNING LIGHTS
- SIGNS
- TRAFFIC FLOW

GENERAL NOTES:

1. ALL SIGNS, BARRICADES AND OTHER TRAFFIC CONTROL DEVICES SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE TEXAS UNIFORM MANUAL ON TRAFFIC CONTROL DEVICES, LATEST EDITION, AND IN ACCORDANCE WITH STANDARD DETAILS BC(1)-89 THRU BC(7)-89.
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STATE OF TEXAS
BRUCE S. RUSSELL
55389
REGISTERED PROFESSIONAL ENGINEER
7/22/94

NO.	DATE	REVISION	APPROV.
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TOWN OF ADDISON, TEXAS

MARSH LANE SEWER INTERCEPTOR

TRAFFIC CONTROL PLAN

FROM SAN. SWR. STATION 20+00 TO STATION 40+00

Carter :: Burgess
Consultants in Engineering, Architecture, Planning and the Environment
CARTER & BURGESS, INC.
7950 ELMBROOK DRIVE, SUITE 250
DALLAS, TX 75247-4963

Unit		Scale	1" = 40'	Date	07-22-94
Designed	H. Humphreys	Checked	B. Russell	Job No.	93315401D
Drawn	B. Sowels	Approved	B. Russell	Sheet	24 of 32

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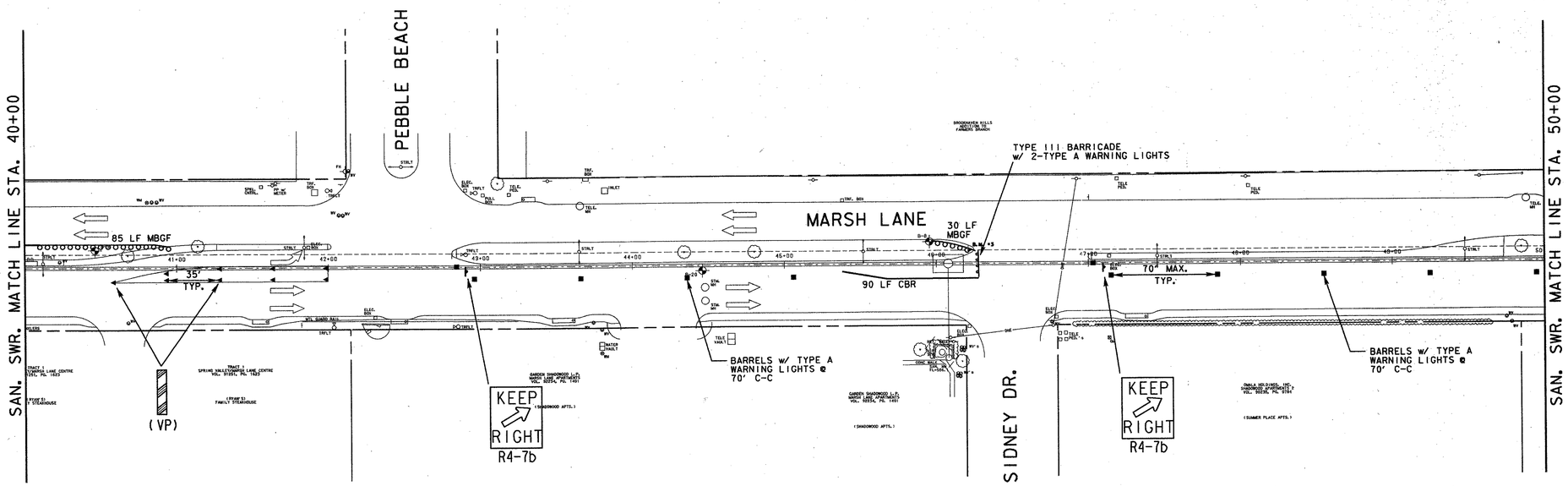
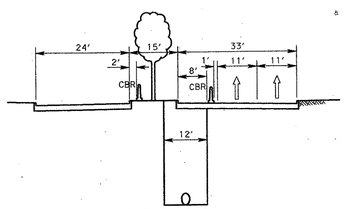
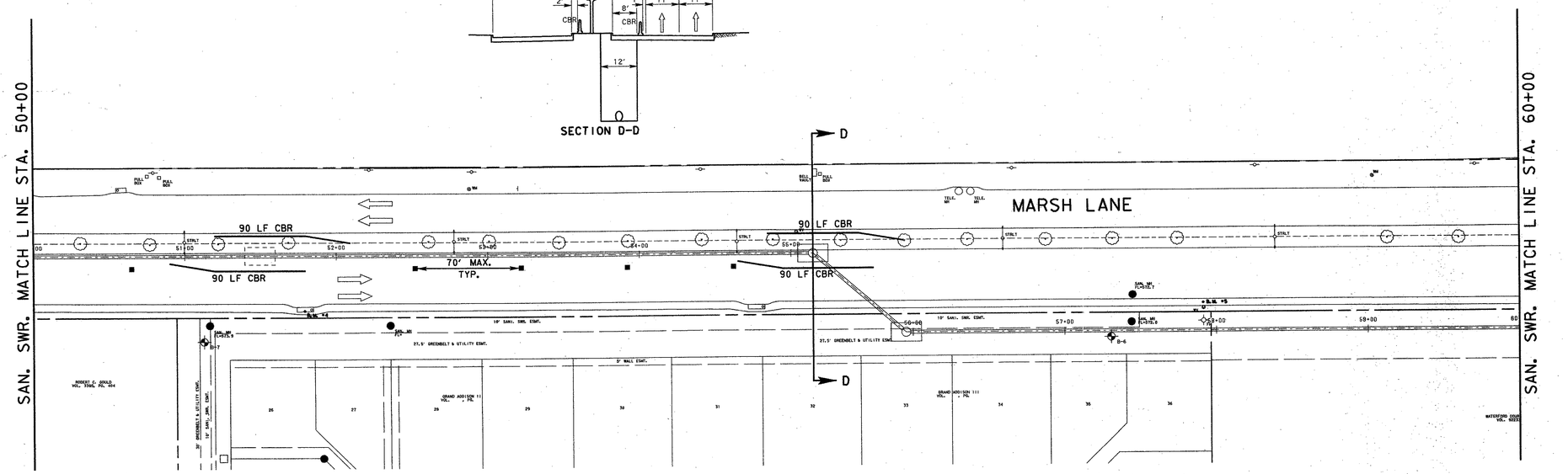
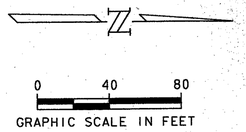




SECTION D-D





LEGEND

- CONCRETE BARRIER RAIL (CBR) w/ REFLECTIVE MARKERS
- METAL BEAM GUARD FENCE (MBGF)
- 4" SOLID WHITE LANE STRIPE
- BARRELS w/TYPE A WARNING LIGHTS
- SIGNS
- TRAFFIC FLOW

GENERAL NOTES:

1. ALL SIGNS, BARRICADES AND OTHER TRAFFIC CONTROL DEVICES SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE TEXAS UNIFORM MANUAL ON TRAFFIC CONTROL DEVICES, LATEST EDITION, AND IN ACCORDANCE WITH STANDARD DETAILS BC(1)-89 THRU BC(7)-89.
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STATE OF TEXAS
BRUCE S. RUSSELL
55389
REGISTERED PROFESSIONAL ENGINEER
7/22/94

NO.	DATE	REVISION	APPROV.
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TOWN OF ADDISON, TEXAS

MARSH LANE SEWER INTERCEPTOR

TRAFFIC CONTROL PLAN

FROM SAN. SWR. STATION 40+00 TO STATION 60+00

Carter & Burgess
Consultants in Engineering, Architecture, Planning and the Environment
CARTER & BURGESS, INC.
7950 ELMBROOK DRIVE, SUITE 250
DALLAS, TX 75247-4961

Unit		Scale	1" = 40'	Date	07-22-94
Designed	H. Humphreys	Checked	B. Russell	Job No.	93315401D
Drawn	B. Sowels	Approved	B. Russell	Sheet	25 of 32

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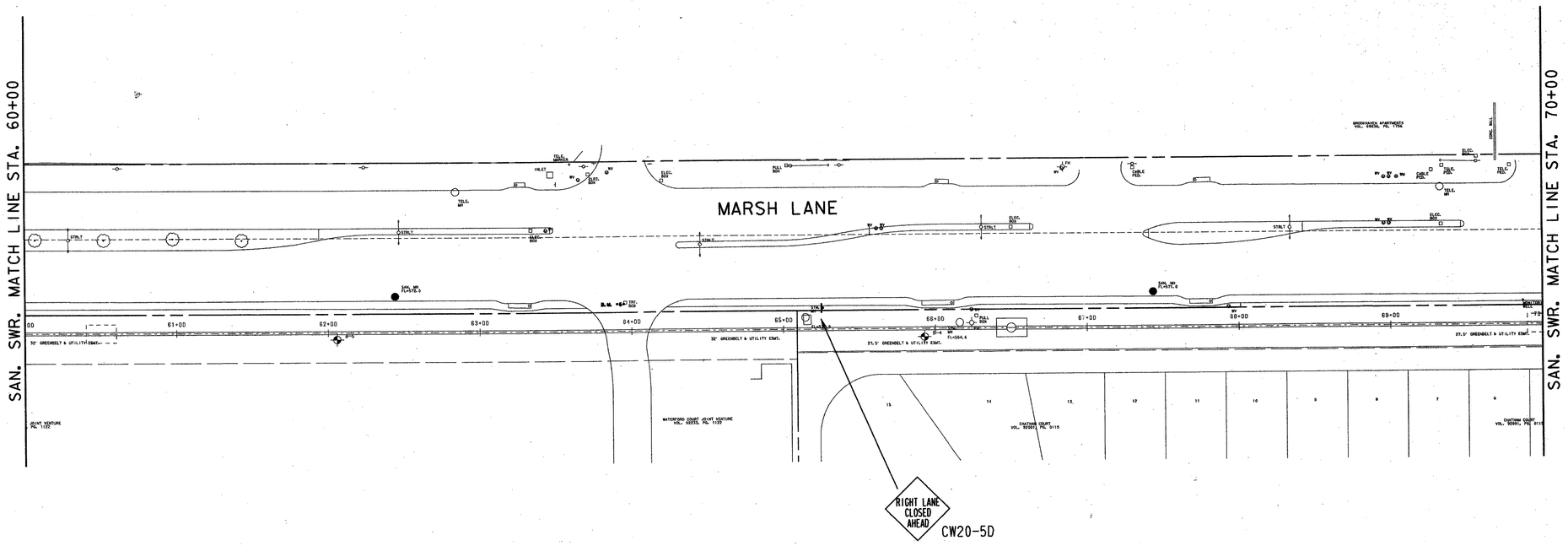
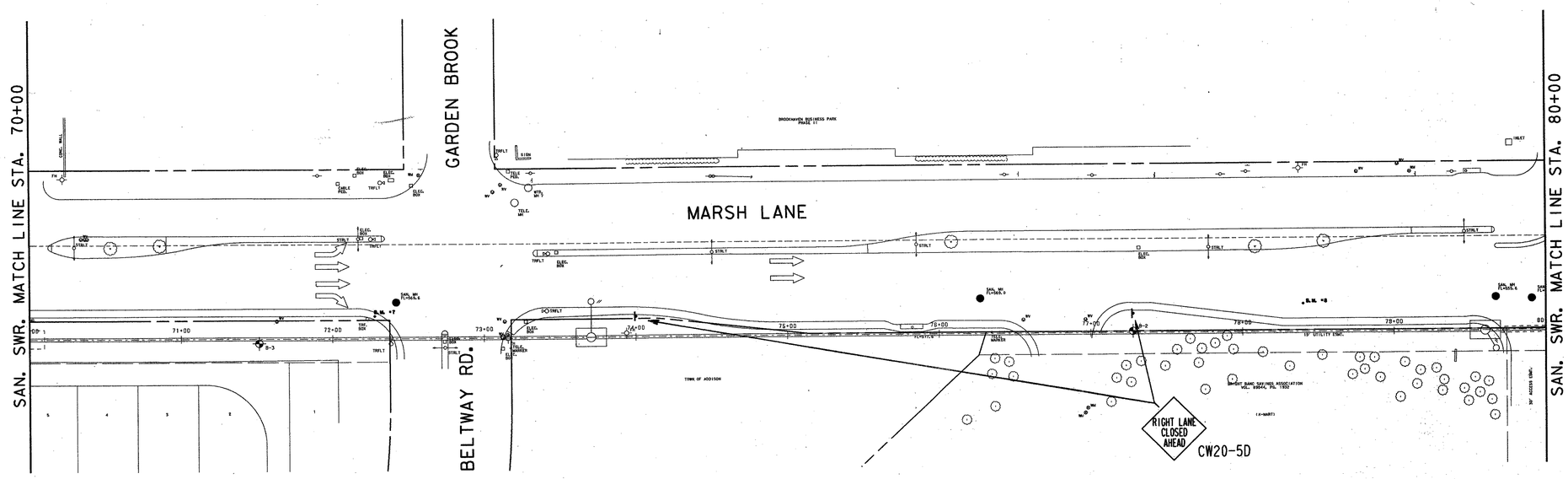
01-2003





0 40 80

GRAPHIC SCALE IN FEET

LEGEND

- CONCRETE BARRIER RAIL (CBR)
- METAL BEAM GUARD FENCE (MBGF)
- LANE DIVIDER
- BARRELS w/TYPE A WARNING LIGHTS
- SIGNS
- TRAFFIC FLOW

GENERAL NOTES:

1. ALL SIGNS, BARRICADES AND OTHER TRAFFIC CONTROL DEVICES SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE TEXAS UNIFORM MANUAL ON TRAFFIC CONTROL DEVICES, LATEST EDITION, AND IN ACCORDANCE WITH STANDARD DETAILS BC(1)-89 THRU BC(7)-89.
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3. WHEN THE CONTRACTOR HAS COMPLETED CONSTRUCTION OF THE PROPOSED INTERCEPTOR LINE AND THE LINE IS PLACED IN SERVICE, THE CONTRACTOR SHALL PROVIDE THE CITY TRAFFIC CONTROL PLANS FOR WORK RELATED TO ABANDONING EXISTING SEWER MANHOLES ALONG THE PROJECT AS CALLED FOR IN THE PLANS.
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STATE OF TEXAS
BRUCE S. RUSSELL
55389
REGISTERED PROFESSIONAL ENGINEER
7/22/94

NO.	DATE	REVISION	APPROV.
4			
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TOWN OF ADDISON, TEXAS

MARSH LANE SEWER INTERCEPTOR

TRAFFIC CONTROL PLAN

FROM SAN. SWR. STATION 60+00 TO STATION 80+00

Carter::Burgess
Consultants in Engineering, Architecture, Planning and the Environment
CARTER & BURGESS, INC.
7950 ELMBROOK DRIVE, SUITE 250
DALLAS, TX 75247-4961

Unit		Scale	1" = 40'	Date	07-22-94
Designed	H. Humphreys	Checked	B. Russell	Job No.	93315401D
Drawn	B. Sowels	Approved	B. Russell	Sheet	26 of 32

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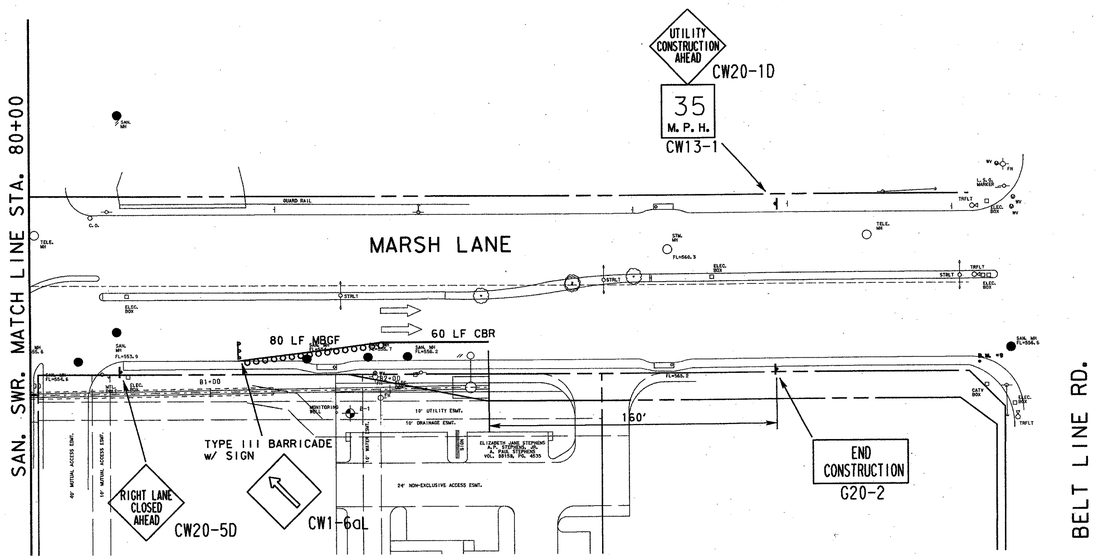
01-2003



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GRAPHIC SCALE IN FEET

LEGEND

- CONCRETE BARRIER RAIL (CBR) w/ REFLECTIVE MARKERS
- METAL BEAM GUARD FENCE (MBGF)
- 4" SOLID WHITE LANE STRIPE
- BARRELS w/TYPE A WARNING LIGHTS
- SIGNS
- TRAFFIC FLOW

GENERAL NOTES:

1. ALL SIGNS, BARRICADES AND OTHER TRAFFIC CONTROL DEVICES SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE TEXAS UNIFORM MANUAL ON TRAFFIC CONTROL DEVICES, LATEST EDITION, AND IN ACCORDANCE WITH STANDARD DETAILS BC(1)-89 THRU BC(7)-89.
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STATE OF TEXAS
BRUCE S. RUSSELL
55389
REGISTERED PROFESSIONAL ENGINEER

7/22/94

NO.	DATE	REVISION	APPROV.
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TOWN OF ADDISON, TEXAS

MARSH LANE SEWER INTERCEPTOR

TRAFFIC CONTROL PLAN

FROM SAN. SWR. STATION 80+00 TO BELT LINE RD.

Carter :: Burgess
Consultants in Engineering, Architecture, Planning and the Environment
CARTER & BURGESS, INC.
7950 ELMBROOK DRIVE, SUITE 250
DALLAS, TX 75247-4961

Unit		Scale	1" = 40'	Date	07-22-94
Designed	H. Humphreys	Checked	B. Russell	Job No.	933154010
Drawn	B. Sowels	Approved	B. Russell	Sheet	27 of 32

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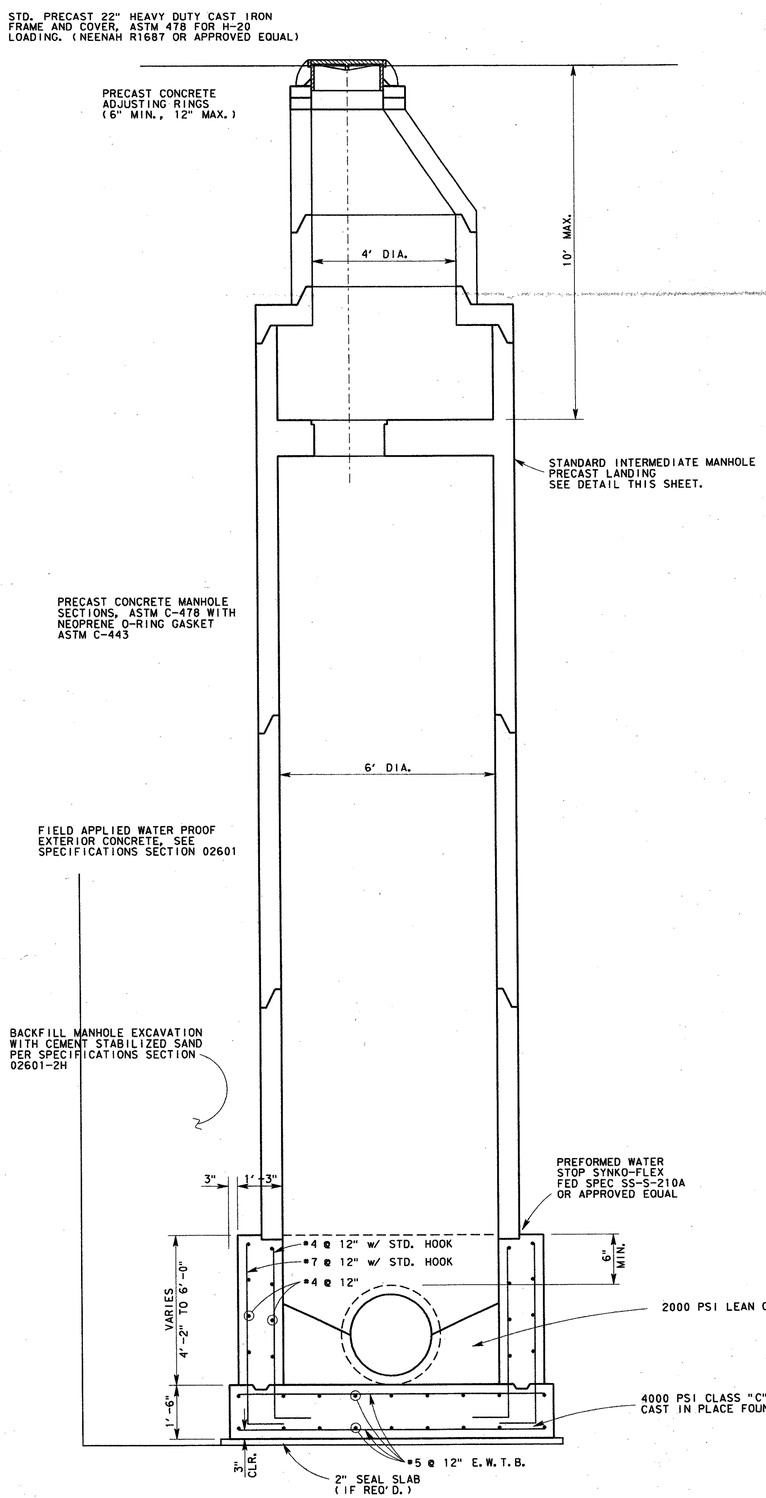
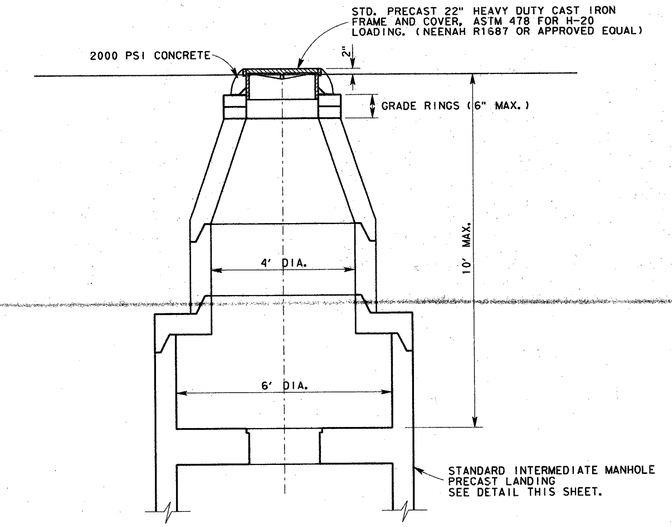
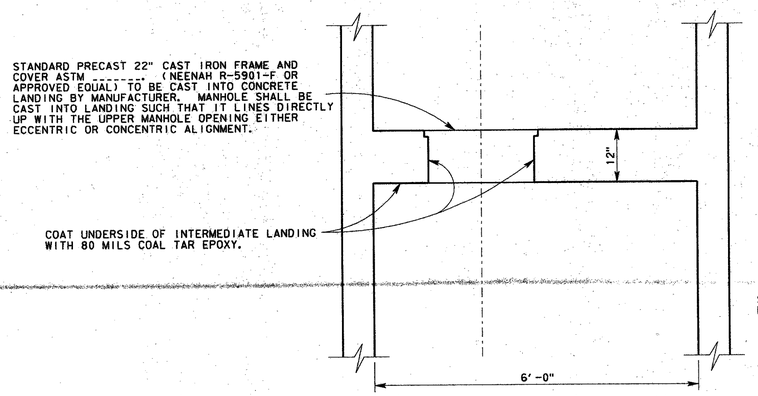
01-2003



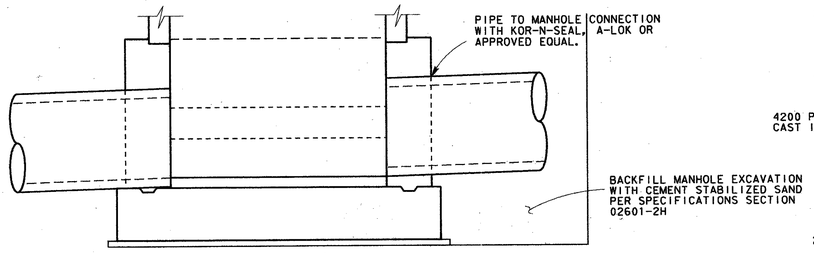
6' DIA. MANHOLE



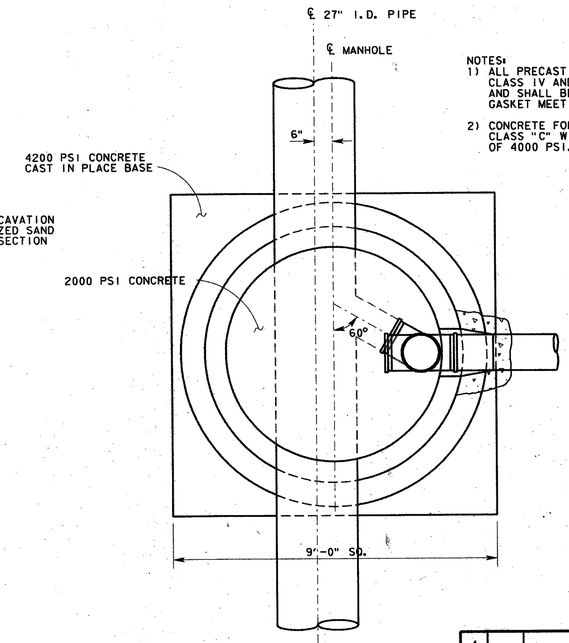
CONCENTRIC MANHOLE



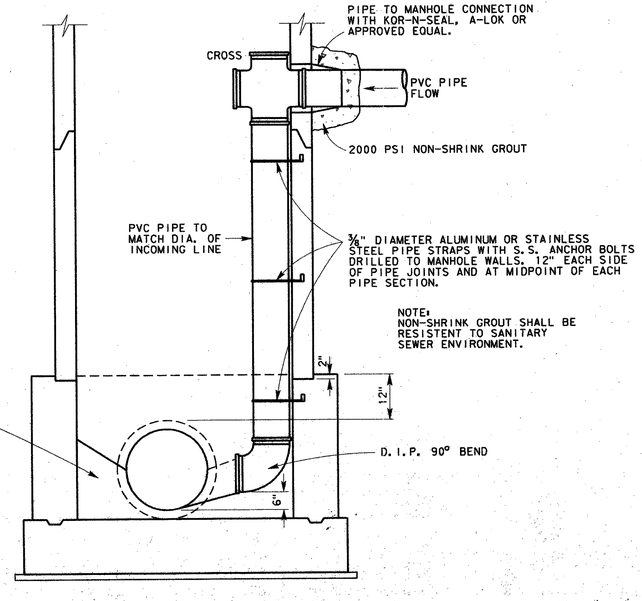
STANDARD INTERMEDIATE MANHOLE LANDING



SECTION



NOTES:
1) ALL PRECAST CONCRETE SECTIONS SHALL BE CLASS IV AND MEET ASTM C-478 REQUIREMENTS AND SHALL BE FITTED WITH A NEOPRENE O-RING GASKET MEETING ASTM C-433.
2) CONCRETE FOR MANHOLE FOUNDATIONS SHALL BE CLASS "C" WITH A 28-DAY COMPRESSIVE STRENGTH OF 4000 PSI.



6' DIA. DROP CONNECTION MANHOLE

STATE OF TEXAS
JOHN H. LINDNER
CARBA
7/22/94

NO.	DATE	REVISION	APPROV.
4			
3			
2			
1			

TOWN OF ADDISON, TEXAS

MARSH LANE SEWER INTERCEPTOR

SANITARY SEWER DETAILS

( )

Carter :: Burgess
Consultants in Engineering, Architecture, Planning and the Environment
CARTER & BURGESS, INC.
7950 ELMBROOK DRIVE, SUITE 250
DALLAS, TX 75247-4961

Unit		Scale 1"=2'		Date	07-22-94
Designed	D. Desai	Checked	J. Lindner	Job No.	933154010
Drawn	B. Sowels	Approved	J. Lindner	Sheet	28 of 32

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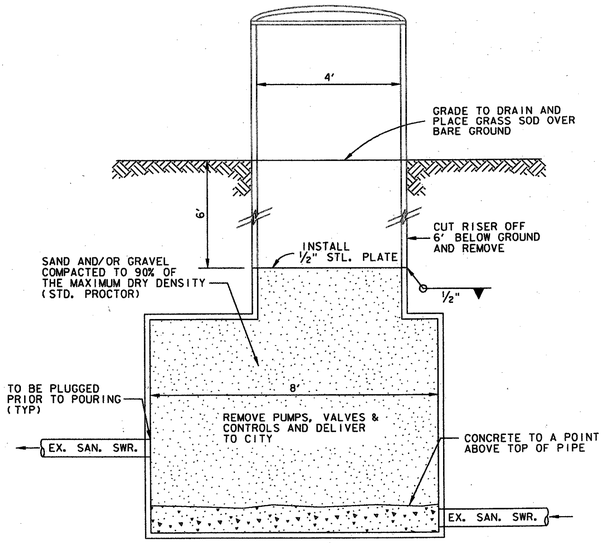
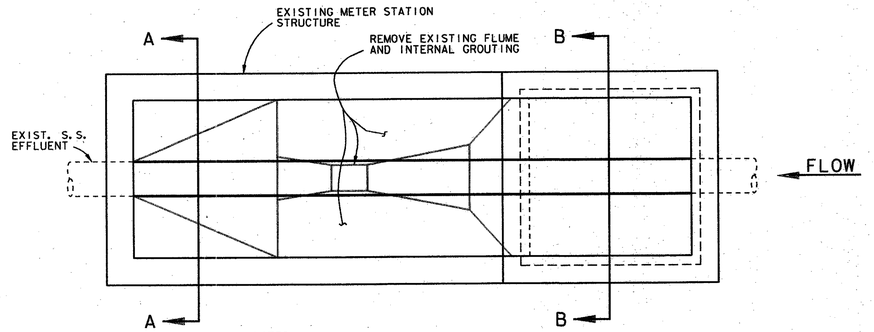
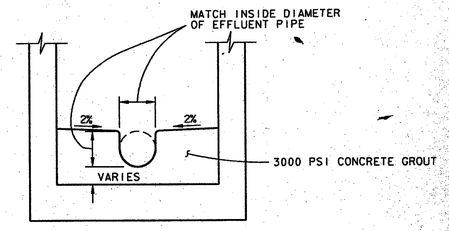
01-2003



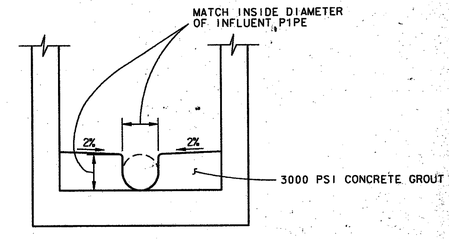
ABANDONMENT OF EXISTING LIFT STATION



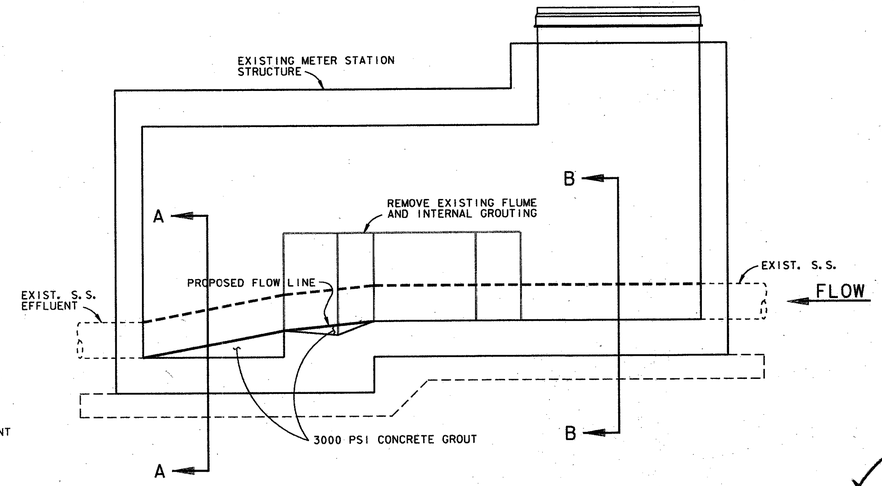
NOTES:
1) CONTRACTOR SHALL COMPLETELY REMOVE ALL FLOW METER EQUIPMENT FROM EXISTING METER STATION. THE FLOW METER SHALL BE CLEANED AND RETURNED TO THE CITY OF ADDISON FOR SALVAGE.
2) CONTRACTOR SHALL COMPLETELY REMOVE EXISTING FLUME AND ALL ASSOCIATED GROUTING AND SHALL PROPERLY CLEAN EXISTING STRUCTURE PRIOR TO PLACING PROPOSED GROUT.



SECTION A-A

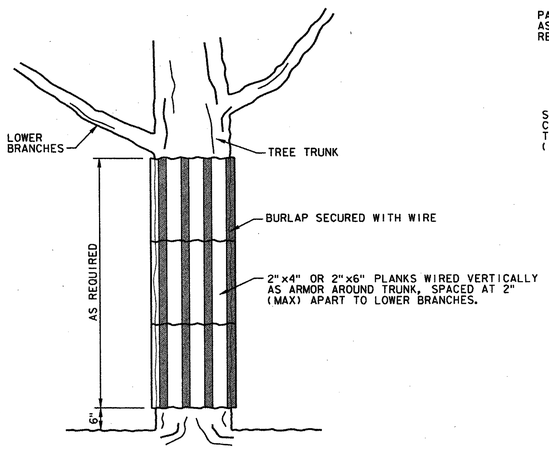


SECTION B-B

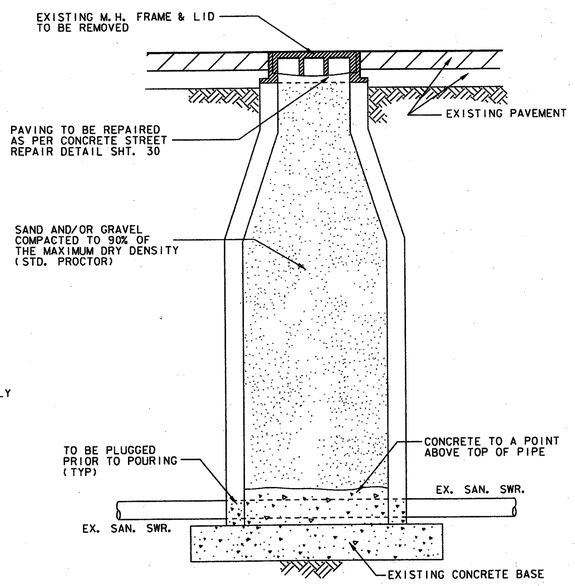


EXISTING METER STATION MODIFICATION DETAIL

BROOKHAVEN WEST M. S.
BROOKHAVEN EAST M. S.



TREE PROTECTION DETAIL



ABANDONMENT OF EXISTING MANHOLE IN PAVEMENT

VOID 8/23/94

STATE OF TEXAS
JOHN H. LINDNER
REGISTERED
PROFESSIONAL ENGINEER
John H. Lindner
7/22/94

NO.	DATE	REVISION	APPROV.
4			
3			
2			
1			

TOWN OF ADDISON, TEXAS

MARSH LANE SEWER INTERCEPTOR

SANITARY SEWER DETAILS

( )

Carter & Burgess

Consultants in Engineering, Architecture, Planning and the Environment

CARTER & BURGESS, INC.
7950 ELMBROOK DRIVE, SUITE 250
DALLAS, TX 75247-4961

Unit		Scale	1"=2'	Date	07-22-94
Designed	D. Desen	Checked	J. Lindner	Job No.	93315401D
Drawn	B. Sowels	Approved	J. Lindner	Sheet	29 of 32

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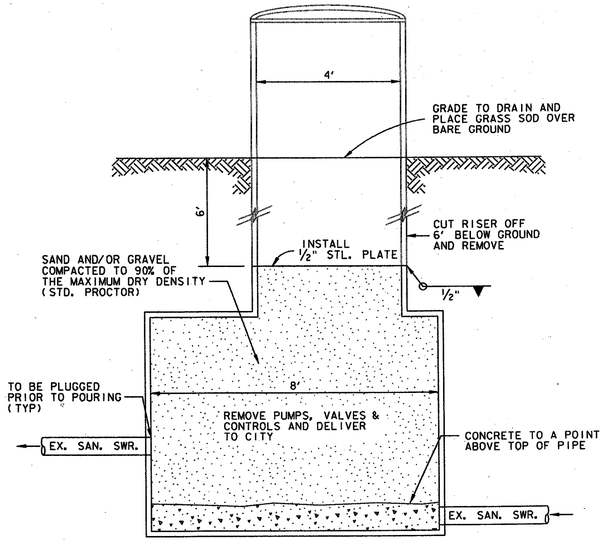
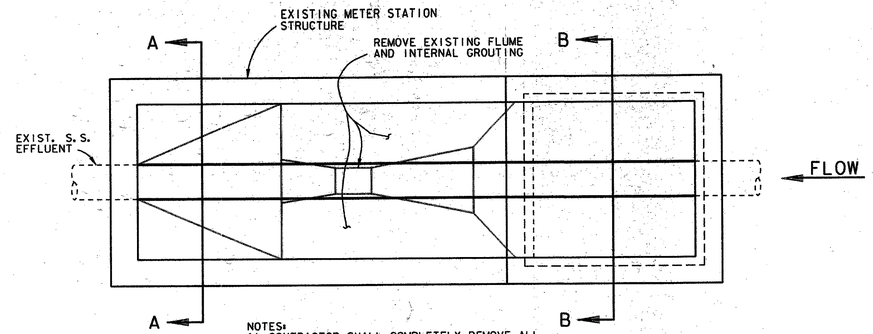
01-2003



ABANDONMENT OF EXISTING LIFT STATION



NOTES:
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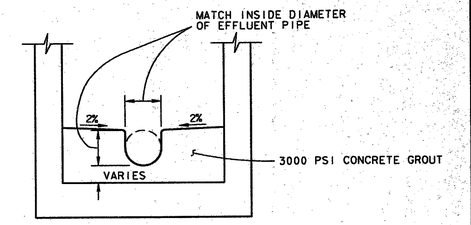
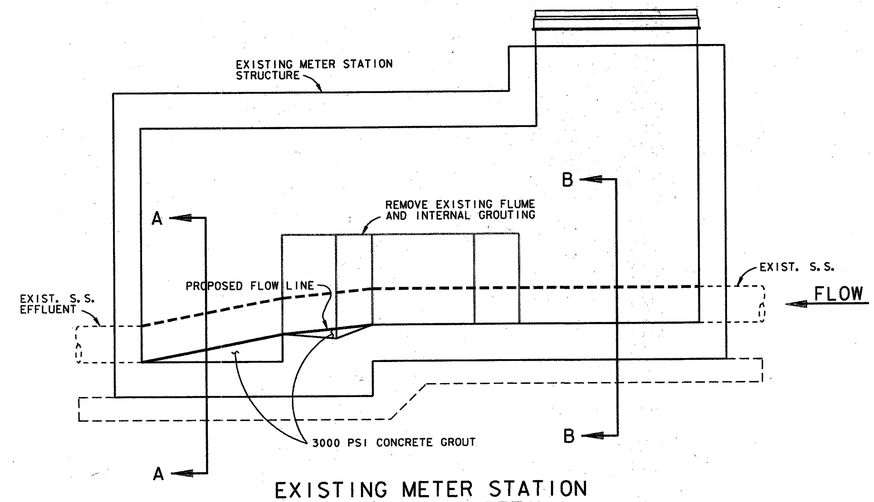
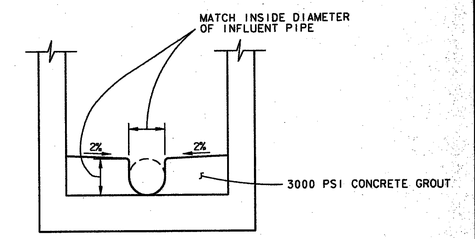


SECTION A-A

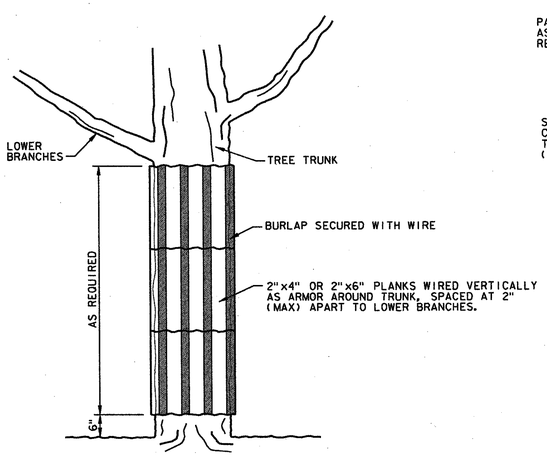


EXISTING METER STATION MODIFICATION DETAIL

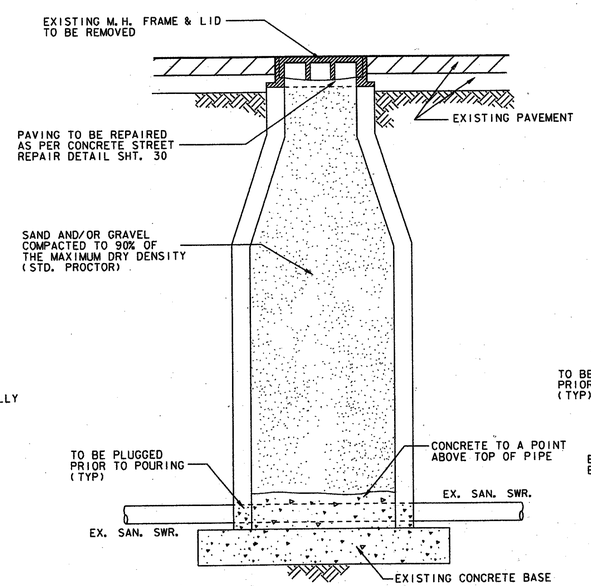
BROOKHAVEN WEST M. S.
BROOKHAVEN EAST M. S.



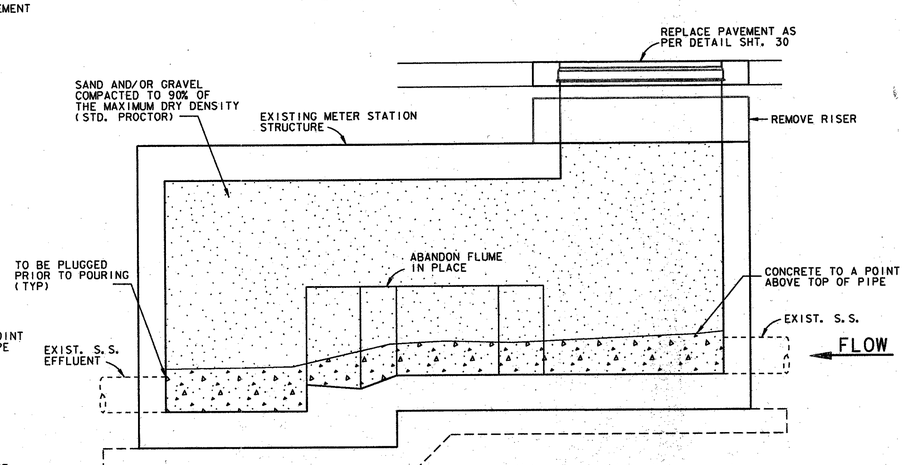
SECTION B-B



TREE PROTECTION DETAIL



ABANDONMENT OF EXISTING MANHOLE IN PAVEMENT



NOTE: REMOVE METER STATION CONTROLS AND DELIVER TO TOWN OF ADDISON

EXISTING METER STATION ABANDONMENT DETAIL

1

STATE OF TEXAS
JOHN H. LINDNER
54694
REGISTERED PROFESSIONAL ENGINEER
John H. Lindner
8/23/94

NO.	DATE	REVISION	APPROV.
4			
3			
2			
1	8/23/94	ADDED METER STATION ABANDONMENT DETAIL	J. H. L.

TOWN OF ADDISON, TEXAS

MARSH LANE SEWER INTERCEPTOR

SANITARY SEWER DETAILS

( )

Carter::Burgess
Consultants in Engineering, Architecture, Planning and the Environment
CARTER & BURGESS, INC.
7950 ELMBROOK DRIVE, SUITE 250
DALLAS, TX 75247-4961

Unit		Scale	1"=2'	Date	07-22-94
Designed	D. Deen	Checked	J. Lindner	Job No.	933154010
Drawn	B. Sowels	Approved	J. Lindner	Sheet	29 of 32

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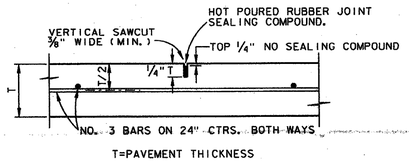
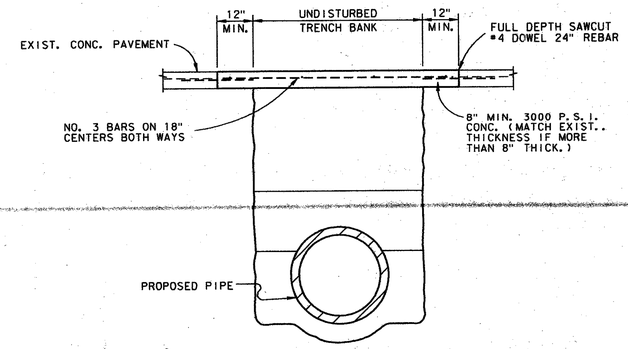
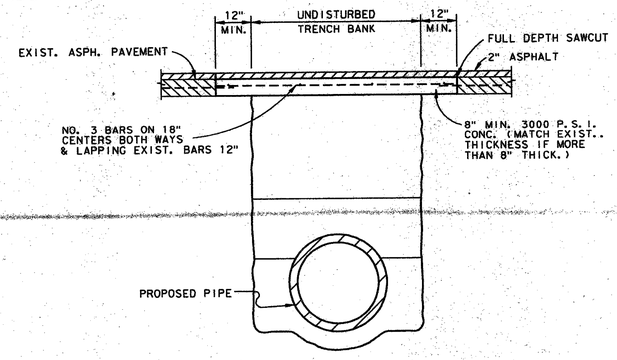


SAWED DUMMY JOINT

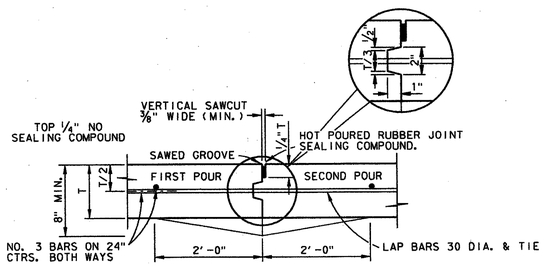


CONCRETE STREET OR DRIVEWAY REPAIR

NOTE:
SAWCUT SHALL BE SUBSIDIARY TO THE BID ITEM CONCRETE PAVEMENT. NO SEPERATE PAY ITEM.



ASPHALT STREET OR DRIVEWAY REPAIR



CONSTRUCTION JOINT FOR PAVEMENTS

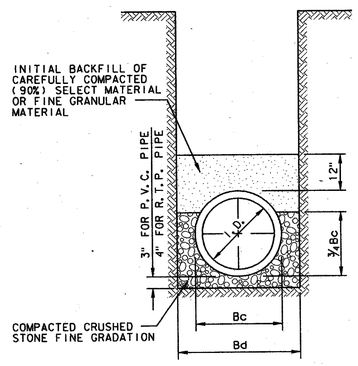
TRANSVERSE AND LONGITUDINAL JOINTS

NOTE:

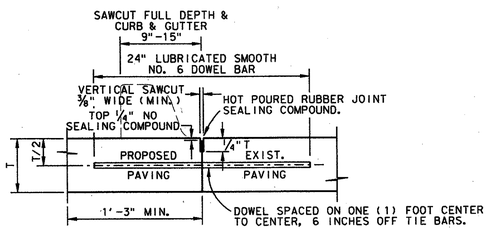
CONTRACTOR SHALL PROTECT KEYWAY PRIOR TO SECOND POUR. IF LONGITUDINAL KEYWAY IS DAMAGED, CONTRACTOR SHALL REPAIR WITH THE USE OF LONGITUDINAL BUTT JOINT. DRILL DOWELS INTO FIRST POUR.

T=PAVEMENT THICKNESS

THICKENED EDGES ARE REQUIRED FOR FUTURE WIDENING ONLY.



BEDDING DETAIL CLASS "B-2"

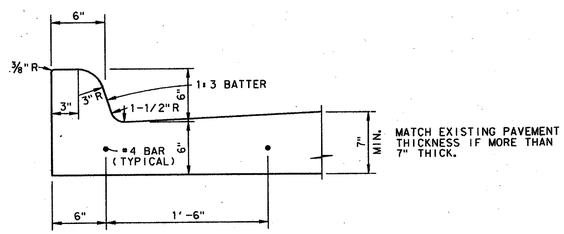


LONGITUDINAL BUTT JOINT

NOTES:

1. NO. 5 SMOOTH DOWEL BAR MAY BE USED IN 5 INCH AND 6 INCH PAVEMENT THICKNESS.
2. LONGITUDINAL BUTT CONSTRUCTION MAY BE UTILIZED IN PLACE OF LONGITUDINAL HINGED (KEYWAY) JOINT AT COONTRACTORS OPTION.
3. DOWEL BARS SHALL BE DRILLED INTO PAVEMENT HORIZONTALLY BY USE OF A MECHANICAL RIG.

   DRILLING BY HAND IS NOT ACCEPTABLE, PUSHING DOWEL BARS INTO GREEN CONCRETE NOT ACCEPTABLE.



6" CONCRETE CURB

NOTE:
CURB TO BE CONSTRUCTED MONOLITHIC WITH THE CONCRETE PAVEMENT AND PLACED ON THE SAME GRADE AND ELEVATION AS THE EXISTING CURB.

STATE OF TEXAS
JOHN H. LINDNER
14654
REGISTERED
PROFESSIONAL ENGINEER

John H. Lindner
7/22/94

NO.	DATE	REVISION	APPROV.
4			
3			
2			
1			

TOWN OF ADDISON, TEXAS

MARSH LANE SEWER INTERCEPTOR

PAVING DETAILS

( )

Carter & Burgess

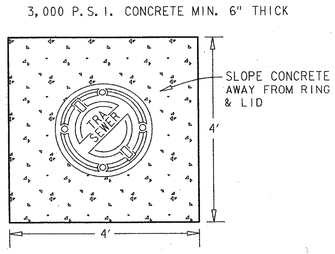
Consultants in Engineering, Architecture, Planning and the Environment

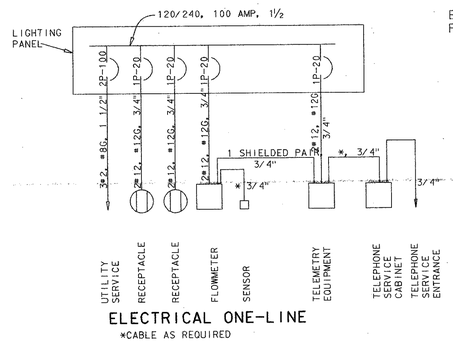
CARTER & BURGESS, INC.
7950 ELMBROOK DRIVE, SUITE 250
DALLAS, TX 75247-4961

Unit		Scale	1"=2'	Date	07-22-94
Designed	D. Desen	Checked	J. Lindner	Job No.	933154010
Drawn	B. Sowels	Approved	J. Lindner	Sheet	30 of 32

3154dd03.dgn

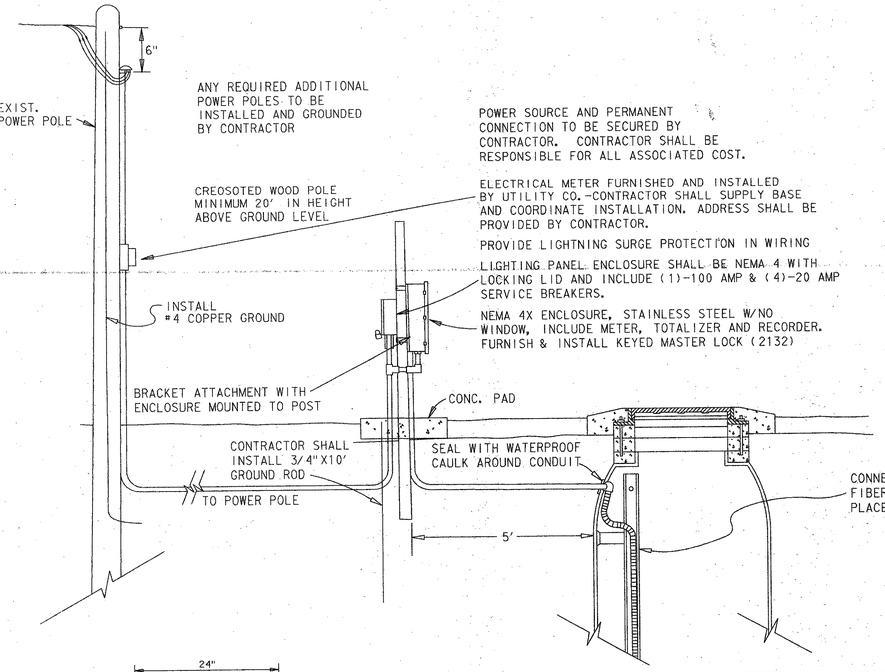
SCHEDULE OF NOMINAL REINFORCING STEEL DIA.	
#4	1/2"
#5	5/8"
#6	3/4"



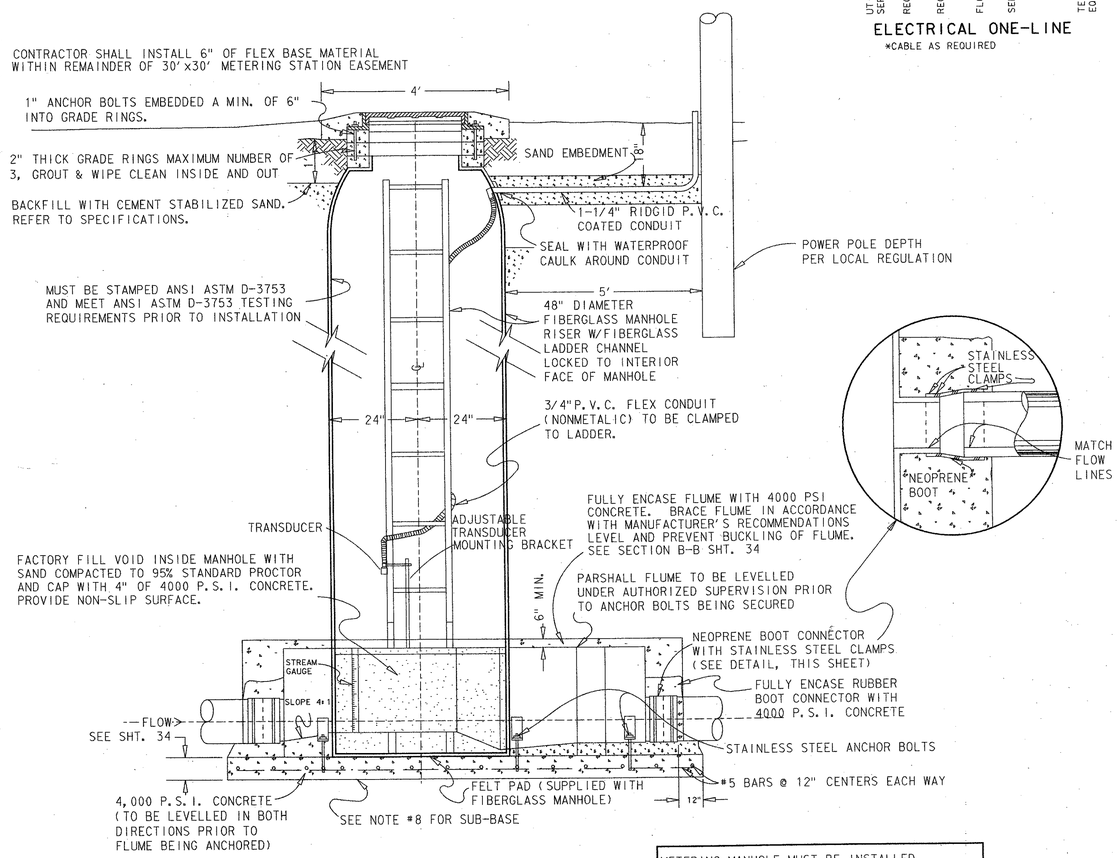


ELECTRICAL ONE-LINE

*CABLE AS REQUIRED



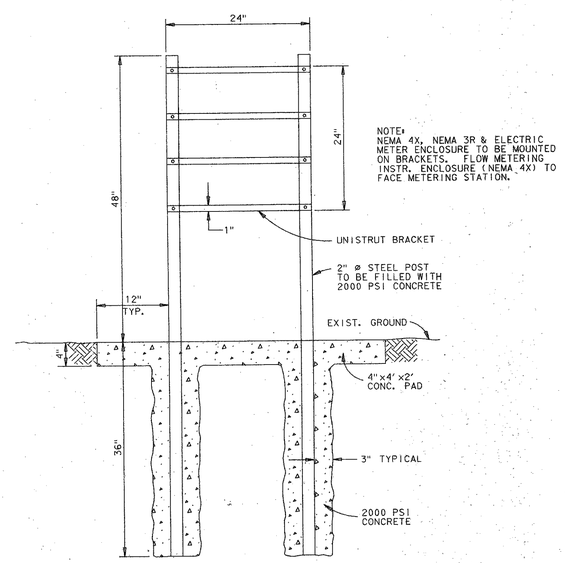
TO AVOID METAL FILINGS SHORT CIRCUITING COMPONENTS, REMOVE THE ELECTRONIC ASSEMBLY FROM THE CABINET WHILE DRILLING CONDUIT ACCESS HOLES.



METERING MANHOLE MUST BE INSTALLED ACCORDING TO MANUFACTURER'S RECOMMENDATION

FLUME AND SUPERSTRUCTURE

NOT TO SCALE



FLOW METERING INSTRUMENTATION & ELECTRICAL MOUNTING ALTERNATIVE

NOT TO SCALE

NOTES

1. THE LUMP SUM COST FOR METER STATION INSTALLATION IN THE BID PROPOSAL SHALL INCLUDE ALL ASSOCIATED COSTS INCLUDING, BUT NOT LIMITED TO, ACCESS ROAD, LANDSCAPING, POWER, CONDUITS, FLUME, CONTROLS, MANHOLES, ETC..
2. ALL CONCRETE FOR METERING STATION FOUNDATIONS SHALL BE CLASS "C" WITH A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 4000 PSI UNLESS OTHERWISE NOTED.
3. ALL CAST IRON SHALL MEET ANSI A21.10.
4. REINFORCING STEEL SHALL BE ASTM A615 GRADE 60.
5. ALL OUTSIDE CONDUITS AND FITTINGS SHALL BE HOT DIPPED RIDGED GALVANIZED COATED CONDUIT AND SHALL HAVE A 40 MIL NOMINAL THICKNESS OF P.V.C. COATING BONDED TO THE CONDUIT, BY FLUIDIZED BED METHOD. INSIDE CONDUIT SHALL BE 3/4" P.V.C. FLEX CONDUIT NON-METALLIC CHANNEL FIXED IN PLACE WITH CONDUIT TIES.
6. METERING STATION SHALL BE LOCATED OUT OF PUBLIC RIGHT OF WAY.
7. ALL POWER AND/OR CONTROL CONDUCTORS SHALL BE XHHW TYPE COPPER CONDUCTORS.
8. ENCLOSURES FOR ALL INSTRUMENTATION EQUIPMENT AND ELECTRICAL LIGHTING PANEL SHALL BE NEMA-4 WITH STAINLESS STEEL FITTINGS.
9. CALIBRATION OF INSTRUMENTS FURNISHED SHALL BE ACCOMPLISHED BY A QUALIFIED REPRESENTATIVE OF THE MANUFACTURER OF THE INSTRUMENTS, WITH T.R.A. METERING PERSONNEL PRESENT.
10. ROUTE SIGNAL CONDUIT ON SITE.
11. ALL CONDUITS SHALL BE SEALED AT PANELBOARDS, JUNCTION BOXES, CONDUITS AND AT TERMINATION POINTS.
12. A) THE SOIL UNDER THE 10" MINIMUM CONCRETE SLAB SHALL BE UNDISTURBED AND INSPECTED BY A OWNERS REPRESENTATIVE PRIOR TO PLACEMENT OF CONCRETE.
    B) IF IMPROPER SOIL CONDITIONS ARE ENCOUNTERED WHICH WOULD CREATE A POOR SUB-BASE FOR PLACEMENT OF THE 10" MINIMUM CONCRETE SLAB, THE DEPTH SHALL BE OVER-EXCAVATED AND STONE AND OR SAND SHALL BE PLACED PER ENGINEERS RECOMENDATIONS PRIOR TO PLACEMENT OF CONCRETE.
13. SEE METERING STATION DETAILS AND SPECIFICATIONS.

REVISIONS

NO.	DATE	DESCRIPTION	BY

DESIGNED BY: J. Lindner
DRAWN BY: B. Sowels
CHECKED BY: J. Lindner
DATE: 07-22-94

Carter :: Burgess
Consultants in Engineering, Architecture, Planning and the Environment
CARTER & BURGESS, INC.
7950 ELMBROOK DRIVE, SUITE 250
DALLAS, TX 75247-4961

STATE OF TEXAS
JOHN H. LINDNER
64694
REGISTERED PROFESSIONAL ENGINEER
7/22/94

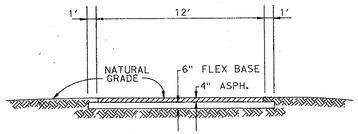
Trinity River Authority of Texas

MARSH LANE SEWER INTERCEPTOR

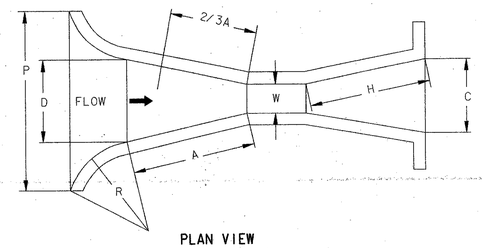
FIBERGLASS METERING STATION DETAILS
STRUCTURAL and ELECTRICAL

CONTRACT NO.

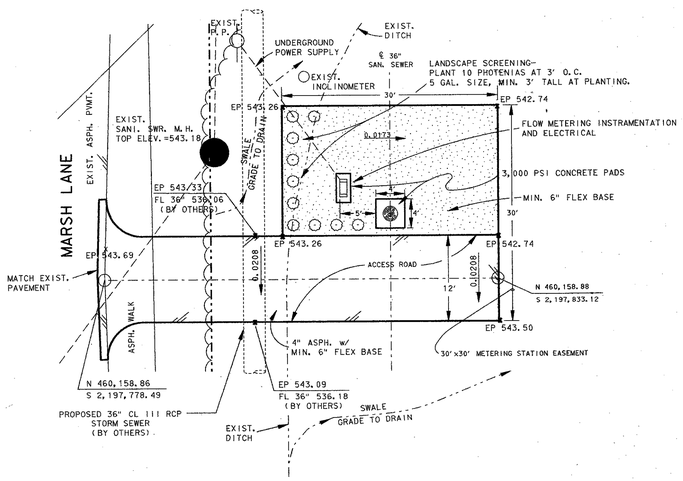
SHEET 31 of 32



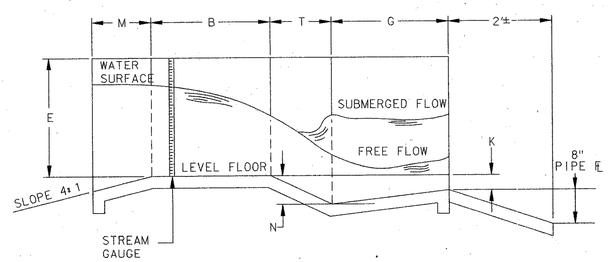
CROSS SECTION-ACCESS ROAD
TYPICAL



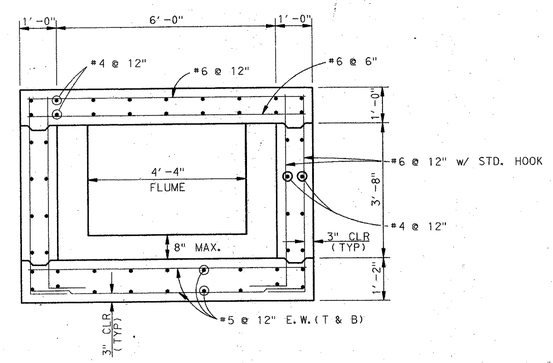
PLAN VIEW



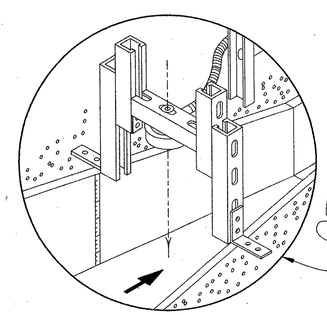
SITE PLAN-METERING STATION/ACCESS EASEMENT
1"=10'



PROFILE VIEW

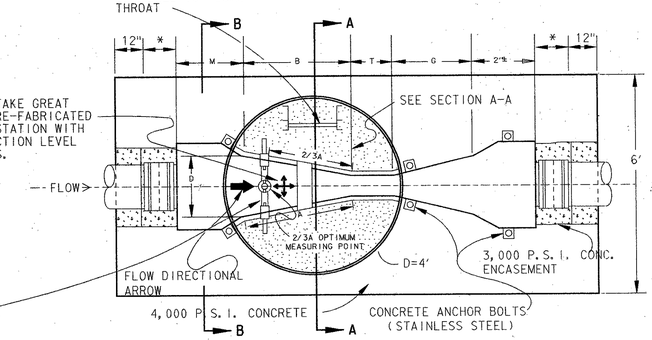


SECTION B-B

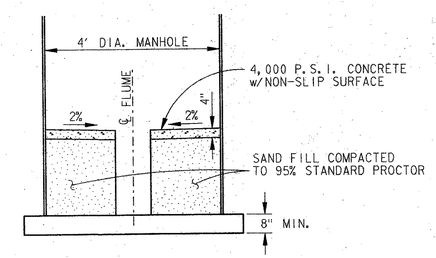


ADJUSTABLE TRANSDUCER UNISTRUT MOUNTING BRACKET W/ STAINLESS STEEL ANCHOR BOLTS.

NOTE:
CONTRACTOR SHALL TAKE GREAT CARE TO INSTALL PRE-FABRICATED FIBERGLASS METER STATION WITH THE CONVERGING SECTION LEVEL IN BOTH DIRECTIONS.



* CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR DIMENSION



SECTION A-A

PARSHALL FLUME TABLE OF DIMENSIONS

W		A		2/3A		B		C		D		E		T		G		H		K		M		N		P		R		X		Y	
FT.	IN.	FT.	IN.	FT.	IN.	FT.	IN.	FT.	IN.	FT.	IN.	FT.	IN.	FT.	IN.	FT.	IN.	FT.	IN.	FT.	IN.	FT.	IN.	FT.	IN.	FT.	IN.	FT.	IN.	FT.	IN.	FT.	IN.
1	6	4	9	3	2	4	7 7/8	2	6	3	4 7/8	3	0	2	0	3	0	1	5/32	0	3	1	3	0	9	5	6	1	8	0	2	0	3

REVISIONS	NO.	DATE	DESCRIPTION	BY

DESIGNED BY: J. Lindner
DRAWN BY: B. Sowels
CHECKED BY: J. Lindner
DATE: 07-22-94

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JOHN H. LINDNER
No. 68884
REGISTERED PROFESSIONAL ENGINEER
7/22/94

Trinity River Authority of Texas

MARSH LANE SEWER INTERCEPTOR

FIBERGLASS METERING STATION DETAILS
ALTERNATE BID LIFT STATION

CONTRACT NO.

SHEET 32 of 32

B-12