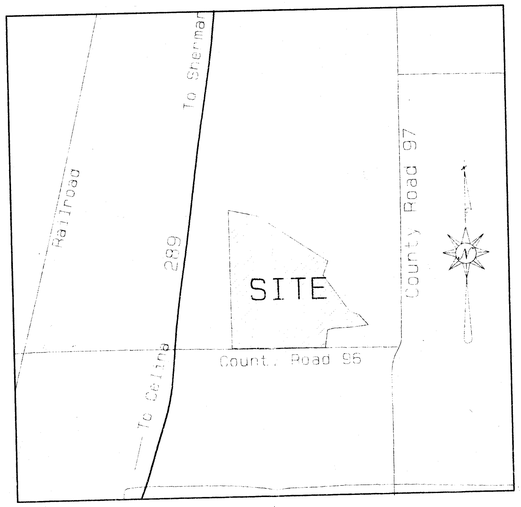
CONSTRUCTION PLANS

MORGAN LAKE ESTATES

CITY OF CELINA, COLLIN COUNTY, TEXAS

THE NELSON CORPORATION • McKINNEY, TEXAS



LOCATION MAP
Not to Scale

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MORGAN LAKE Estates

OWNER

AVEX PROPERTIES

8100 LOMO ALTO, SUITE 225
DALLAS, TEXAS 75225
(214) 696-8100

ENGINEER

THE NELSON CORPORATION

1600 REDBUD, SUITE 302
McKINNEY, TEXAS 75069
(214) 542-0653

STATE OF TEXAS
ROBERT C. BELL
46917
REGISTERED
PROFESSIONAL ENGINEER

Robert C Bell
3/27/95

ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN APPROVING THESE PLANS, THE CITY MUST RELY UPON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER WHOSE SIGNATURE AND SEAL APPEARS ON THESE PLANS.

RECOMMENDED FOR APPROVAL:
CARTER & BURGESS, INC.
CONSULTING ENGINEERS
DATE 4/3/95
APPROVED:
DATE

FEBRUARY, 1995

P-199502-01

POINT OF BEGINNING
JANE HUDDLESTON VOL. 2147 P. 61

CYNTHIA G. MERRIT & APRIL L. WALTON C.C.D.R. 93-0020314

BILLY J. HERRON, ET UX VOL. 3458 P. 146

929.71' N00°04'27"W

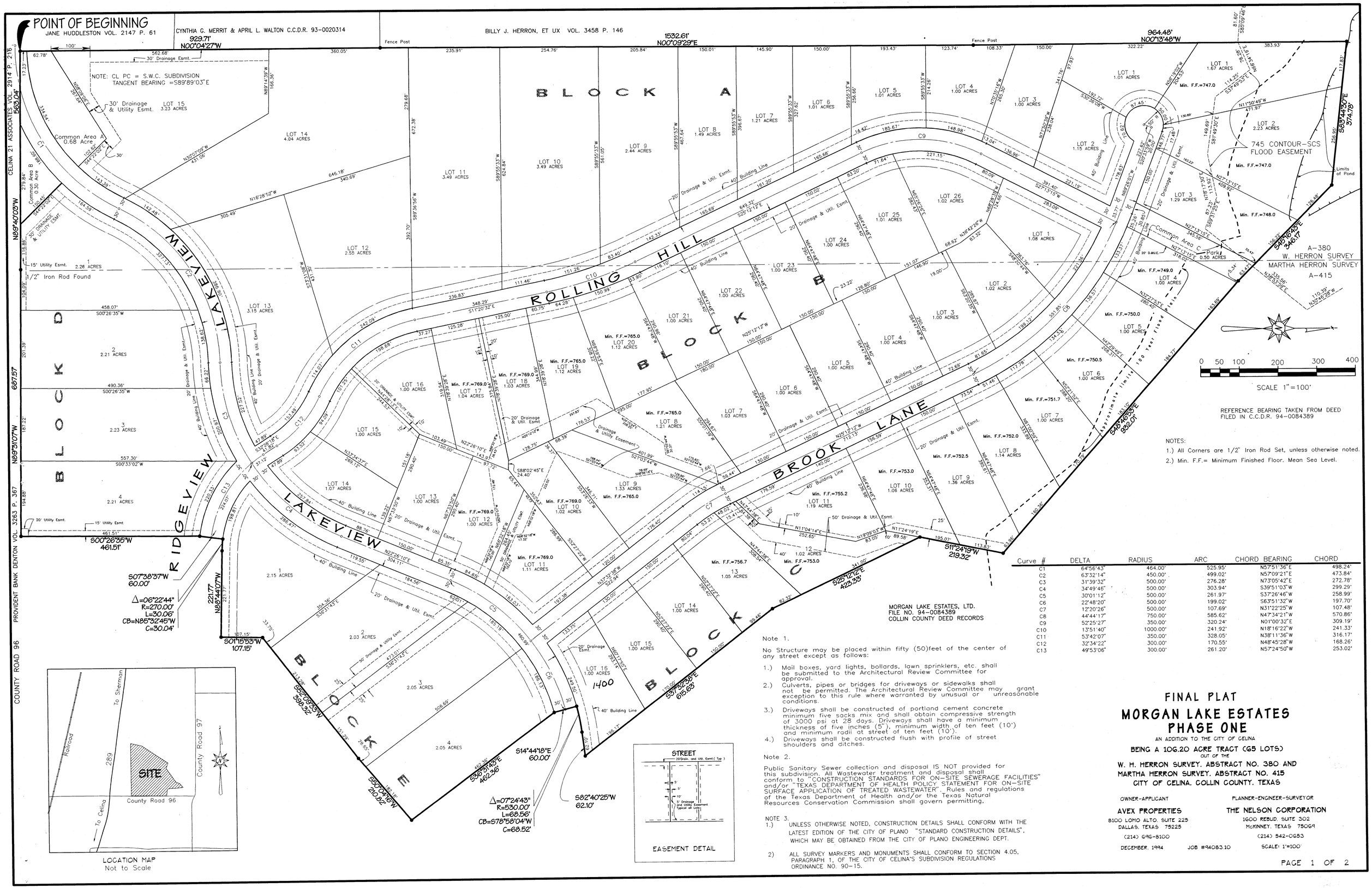
1532.61' N00°09'29"E

964.48' N00°13'48"W

CELINA 21 ASSOCIATES VOL. 2914 P. 216

PROVIDENT BANK DENTON VOL. 3263 P. 367

COUNTY ROAD 96



Curve #	DELTA	RADIUS	ARC	CHORD BEARING	CHORD
C1	64°56'43"	464.00'	525.95'	N57°51'36"E	498.24'
C2	63°32'14"	450.00'	499.02'	N57°09'21"E	473.84'
C3	31°39'32"	500.00'	276.28'	N73°05'42"E	272.78'
C4	34°49'46"	500.00'	303.94'	S39°51'03"W	299.29'
C5	30°01'12"	500.00'	261.97'	S37°26'46"W	258.99'
C6	22°48'20"	500.00'	199.02'	S63°51'32"W	197.70'
C7	12°20'26"	500.00'	107.69'	N31°22'25"W	107.48'
C8	44°44'17"	750.00'	585.62'	N47°34'21"W	570.86'
C9	52°25'27"	350.00'	320.24'	N01°00'32"E	309.19'
C10	13°51'40"	1000.00'	241.92'	N18°16'22"W	241.33'
C11	53°42'07"	350.00'	328.05'	N38°11'36"W	316.17'
C12	32°34'22"	300.00'	170.55'	N48°45'28"W	168.26'
C13	49°53'06"	300.00'	261.20'	N57°24'50"W	253.02'

NOTES:

1.) All Corners are 1/2" Iron Rod Set, unless otherwise noted.

2.) Min. F.F.= Minimum Finished Floor. Mean Sea Level.

Note 1.

No Structure may be placed within fifty (50)feet of the center of any street except as follows:

1.) Mail boxes, yard lights, bollards, lawn sprinklers, etc. shall be submitted to the Architectural Review Committee for approval.

2.) Culverts, pipes or bridges for driveways or sidewalks shall not be permitted. The Architectural Review Committee may grant exception to this rule where warranted by unusual or unreasonable conditions.

3.) Driveways shall be constructed of portland cement concrete minimum five sacks mix and shall obtain compressive strength of 3000 psi at 28 days. Driveways shall have a minimum thickness of five inches (5"), minimum width of ten feet (10') and minimum radii at street of ten feet (10').

4.) Driveways shall be constructed flush with profile of street shoulders and ditches.

Note 2.

Public Sanitary Sewer collection and disposal IS NOT provided for this subdivision. All Wastewater treatment and disposal shall conform to "CONSTRUCTION STANDARDS FOR ON-SITE SEWERAGE FACILITIES" and/or "TEXAS DEPARTMENT OF HEALTH POLICY STATEMENT FOR ON-SITE SURFACE APPLICATION OF TREATED WASTEWATER". Rules and regulations of the Texas Department of Health and/or the Texas Natural Resources Conservation Commission shall govern permitting.

NOTE 3.

1.) UNLESS OTHERWISE NOTED, CONSTRUCTION DETAILS SHALL CONFORM WITH THE LATEST EDITION OF THE CITY OF PLANO "STANDARD CONSTRUCTION DETAILS", WHICH MAY BE OBTAINED FROM THE CITY OF PLANO ENGINEERING DEPT.

2) ALL SURVEY MARKERS AND MONUMENTS SHALL CONFORM TO SECTION 4.05, PARAGRAPH 1, OF THE CITY OF CELINA'S SUBDIVISION REGULATIONS ORDINANCE NO. 90-15.

FINAL PLAT
MORGAN LAKE ESTATES PHASE ONE

AN ADDITION TO THE CITY OF CELINA

BEING A 106.20 ACRE TRACT (65 LOTS)

OUT OF THE

W. H. HERRON SURVEY, ABSTRACT NO. 380 AND MARTHA HERRON SURVEY, ABSTRACT NO. 415

CITY OF CELINA, COLLIN COUNTY, TEXAS

OWNER-APPLICANT

AVEX PROPERTIES

8100 LOMO ALTO, SUITE 225
DALLAS, TEXAS 75225

(214) 696-8100

PLANNER-ENGINEER-SURVEYOR

THE NELSON CORPORATION

1600 REBUD, SUITE 302
McKINNEY, TEXAS 75069

(214) 542-0653

DECEMBER, 1994 JOB #94083.10 SCALE: 1"=100'

DEPOSITION EXHIBIT 14 7-25-95 kw

P-199502-01

G:\9408310M\A\L\0C106.20

OWNER'S CERTIFICATE

STATE OF TEXAS *
COUNTY OF COLLIN *

WHEREAS MORGAN LAKE ESTATES, LTD., is the owner of a tract of land out of the Martha Herron Survey, Abstract No. 415 and the William H. Herron Survey, Abstract No. 380, in Collin County, Texas and being part of a 360.256 acre tract of land described in deed to Morgan Lake Estates, LTD., recorded in Collin County Clerk's File No. 94-0084389 of the Land Records of Collin County, Texas and being more particularly described as follows:

BEGINNING at a 1/2" iron rod set for the southwest corner of the beforementioned 360.256 acre tract, from which a 1/2" iron rod found for the apparent southwest corner of the Martha Herron Survey, the southeast corner of the William Herron Survey, the northeast corner of the Collin County School Land Survey, Abstract No. 170, and the northwest corner of the Hugh C. Routh Survey, Abstract Number 765 bears North 89°40'03" West, a distance of 563.04 feet;

THENCE with the west line of the said 360.256 acre tract and the east line of a tract of land described in deed to Jane M. Huddleston, recorded in Volume 2147, Page 61 of the Land Records of Collin County, Texas and with the east line of a tract of land described in deed to Cynthia G. Merritt and April L. Walton, recorded in Collin County Clerk's File No. 93-0020314 of the Land Records of Collin County, Texas and with the east line of a tract of land described in deed to Billy J. Herron, et. ux., recorded in Volume 3458, Page 146 of the Land Records of Collin County, Texas, the following courses and distances to wit:

North 00°04'27" West, a distance of 929.71 feet to a fence post found for corner;
North 00°09'29" East, a distance of 1532.61 feet to a fence post for corner;
North 00°13'48" West, a distance of 964.48 feet to a fence post for corner;

THENCE leaving the west line of the said 360.256 acre tract, the following courses and distances to wit:

South 83°44'30" East, a distance of 378.38 feet to a 1/2" iron rod set for corner;
South 45°16'43" East, a distance of 346.17 feet to a 1/2" iron rod set for corner;
South 48°46'53" East, a distance of 932.01 feet to a 1/2" iron rod set for corner;
South 11°24'19" West, a distance of 219.32 feet to a 1/2" iron rod set for corner;
South 25°12'12" East, a distance of 423.33 feet to a 1/2" iron rod set for corner;
South 37°32'38" East, a distance of 615.63 feet to a 1/2" iron rod set for corner;
South 82°40'25" West, a distance of 62.10 feet to a 1/2" iron rod set for the beginning of a curve to the left, having central angle of 07°24'43", a radius of 530.00 feet, and a chord bearing and distance of South 78°58'04" East, 68.52 feet;
Westerly with said curve, an arc distance of 68.56 feet to a 1/2" iron rod set for corner;
South 14°44'18" East, a distance of 60.00 feet to a 1/2" iron rod set for corner;
South 36°31'43" East, a distance of 462.36 feet to a 1/2" iron rod set for corner;
South 50°04'16" West, a distance of 210.82 feet to a 1/2" iron rod set for corner;
South 52°09'33" West, a distance of 398.32 feet to a 1/2" iron rod set for corner;
South 01°15'53" West, a distance of 107.15 feet to a 1/2" iron rod set for corner;
North 88°44'07" West, a distance of 221.77 feet to a 1/2" iron rod set for the beginning of a curve to the right, having a central angle of 06°22'44", a radius of 270.00 feet and a chord bearing and distance of North 85°32'45" West, 30.04 feet;
Westerly with said curve, an arc distance of 30.06 feet to a 1/2" iron rod set for corner;
South 07°38'37" West, a distance of 60.00 feet to a 1/2" iron rod set for corner;
South 00°26'35" West, a distance of 461.51 feet to a 1/2" iron rod set for corner in the south line of the said 360.256 acre tract and the north line of a tract of land described in deed to Provident Bank of Denton, recorded in Volume 3263, Page 367 of the Land Records of Collin County, Texas;

THENCE with the south line of the said 360.256 acre tract and the north line of the said Provident Bank tract, North 89°31'07" West, a distance of 687.57 feet to a 1/2" iron rod found being the apparent above referenced survey corner;

THENCE with the south line of the said 360.256 acre tract and the north line of a tract of land described in deed to Celina 21 Associates, recorded in Volume 2914, Page 216 of the Land Records of Collin County, Texas, North 89°40'03" West, a distance of 563.04 feet to the POINT OF BEGINNING and containing 106.20 acres of land.

NOW THEREFORE, KNOW ALL MEN BY THESE PRESENTS:

THAT WE, MORGAN LAKE ESTATES, LTD., being the Owners, do hereby adopt the plat designating the hereinabove described property as MORGAN LAKE ESTATES - PHASE ONE, an addition to the City of Celina, Collin County, Texas, and do hereby dedicate to the public use forever the streets and alleys shown thereon and do hereby reserve the easement strips shown on this plat for the mutual use and accommodation of all public utilities desiring to use or using same. Any public utility shall have the right to remove and keep removed all or part of any building, fences, trees, shrubs, or other growth which in any way endanger or interfere with the construction, maintenance or efficiency of its respective system on any of these easements strips; and any public utility shall at any time have the right to ingress and egress to and from the said easement strips for the purpose of construction, reconstruction, patrolling, maintaining, and adding to or removing all or parts of its respective system without the necessity at any time of procuring the permission of anyone.

WITNESS my hand in Collin County, Texas this _____ day of _____, 1995.

MORGAN LAKE ESTATES, LTD.

_____
By: Brenda Brantley, C.F.O.

STATE OF TEXAS *
COLLIN COUNTY *

This instrument was acknowledged before me on the _____ day of _____, 1995.

_____
Notary Public, State of Texas

SURVEYOR'S CERTIFICATE

KNOW ALL MEN BY THESE PRESENTS:

That I, Melvin January do hereby certify that I have prepared this plat from an actual on the ground survey of the land, and that the corner monuments shown thereon were properly placed under my personal supervision in accordance with the platting rules and regulations of the City of Celina, Collin County, Texas.

DATED THIS _____ DAY OF _____, 1995.

_____
MELVIN JANUARY
Registered Professional Land Surveyor #2818
THE NELSON CORPORATION
5999 Summerside Drive, Dallas, Texas 75252
(214) 380-2605

STATE OF TEXAS *
COLLIN COUNTY *

This instrument was acknowledged before me on the _____ day of _____, 1995.

_____
Notary Public, State of Texas

APPROVED on this _____ day of _____, 1995 by the Planning and Zoning Commission of the City of Celina, Texas.

_____
Chair Person

APPROVED on this _____ day of _____, 1995 by the City Council of the City of Celina, Texas.

_____
Mayor

All taxes and assessments then due and payable on the land contained within the subdivision have been paid.

_____
Tax Assessor

The undersigned, the City Secretary of the City of Celina, hereby certifies that the foregoing final plat of MORGAN LAKE ESTATES - PHASE ONE, an addition to the City of Celina was submitted to the City Council on the _____ day of _____, 1995, and the City Council by formal action then and there accepted the dedication of streets, alleys, easements and public places as shown and set forth in and upon said plat and said City Council further authorized the Mayor to note the acceptance thereof by signing his name as hereinabove subscribed.

Witness my hand this _____ day of _____, A.D. 1995.

_____
City Secretary, City of Celina, Texas

FINAL PLAT
MORGAN LAKE ESTATES
PHASE ONE

AN ADDITION TO THE CITY OF CELINA

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OUT OF THE
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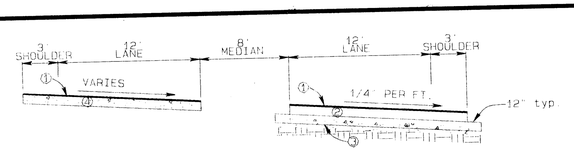
THE NELSON CORPORATION
1600 REBUD, SUITE 302
McKINNEY, TEXAS 75069
(214) 542-0653

DECEMBER, 1994 JOB #94083.10 SCALE: 1"=100'

DEPOSITION EXHIBIT
14A
7.25.95 KW

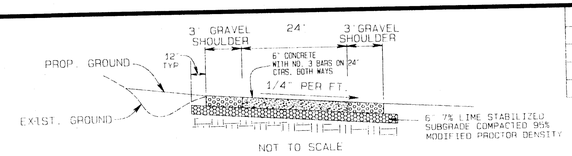
P-199502-01

REVISION	DATE	DESCRIPTION	DRAWN BY	CHECKED BY



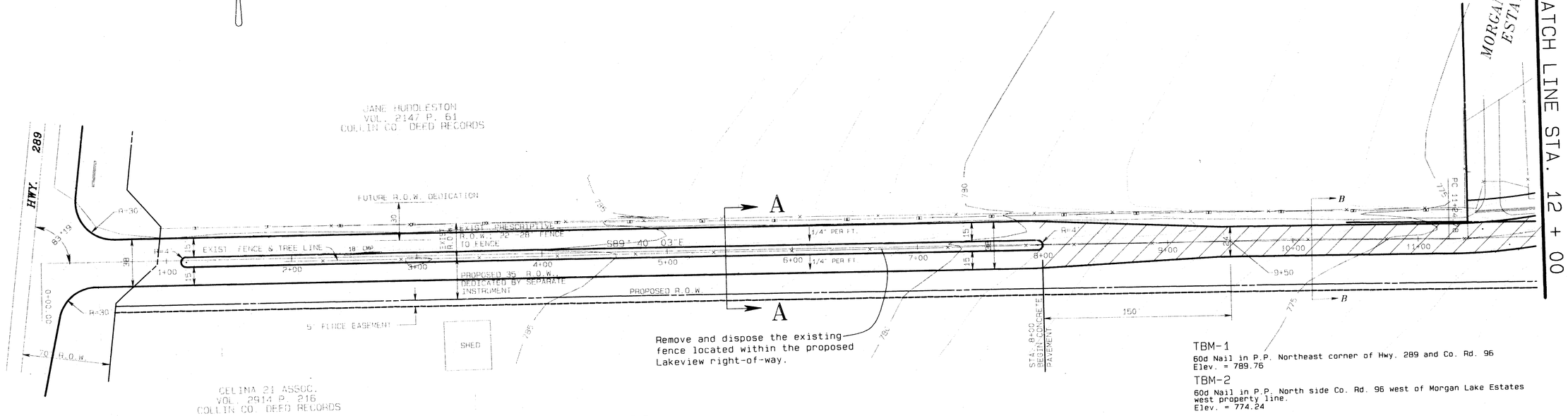
① two course asphalt surface treatment (see technical specifications).
② 6" of flexible base (1X00' specifications), compacted to 95% standard proctor density
③ 7% lime stabilized subgrade compacted to 95% standard proctor density
④ Existing county road base

SECTION A - A



NOT TO SCALE

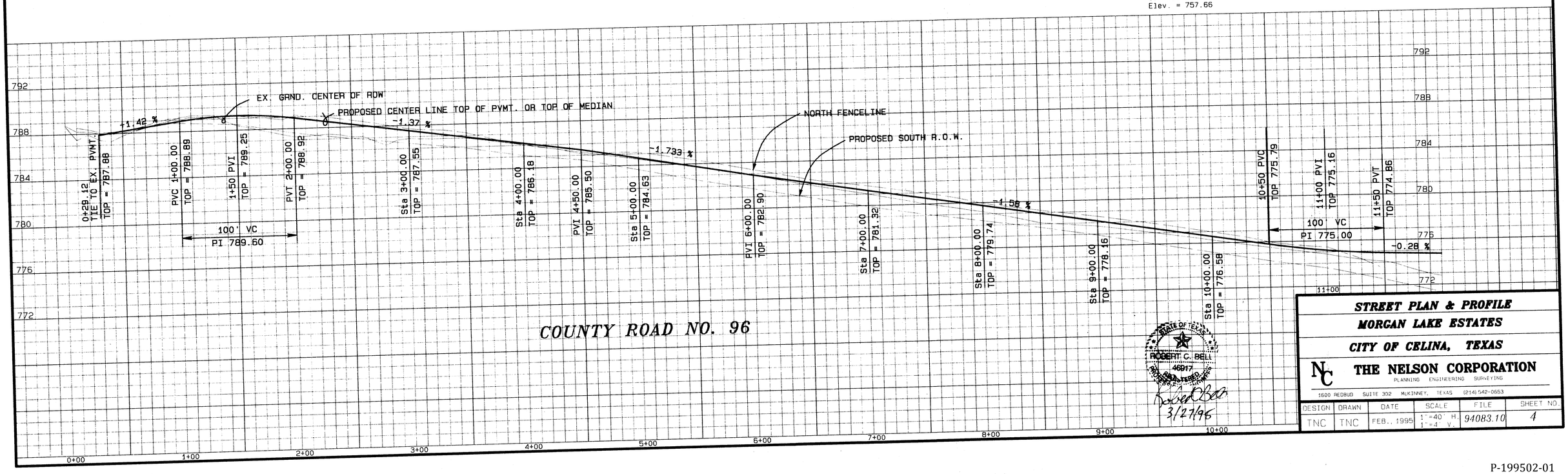
SECTION B-B



TBM-1
60d Nail in P.P. Northeast corner of Hwy. 289 and Co. Rd. 96
Elev. = 789.76

TBM-2
60d Nail in P.P. North side Co. Rd. 96 west of Morgan Lake Estates west property line.
Elev. = 774.24

TBM-3
60d Nail in P.P. Southeast Dam abutment
Elev. = 757.66



STATE OF TEXAS
ROBERT C. BELL
46917
REGISTERED PROFESSIONAL ENGINEER
3/27/96

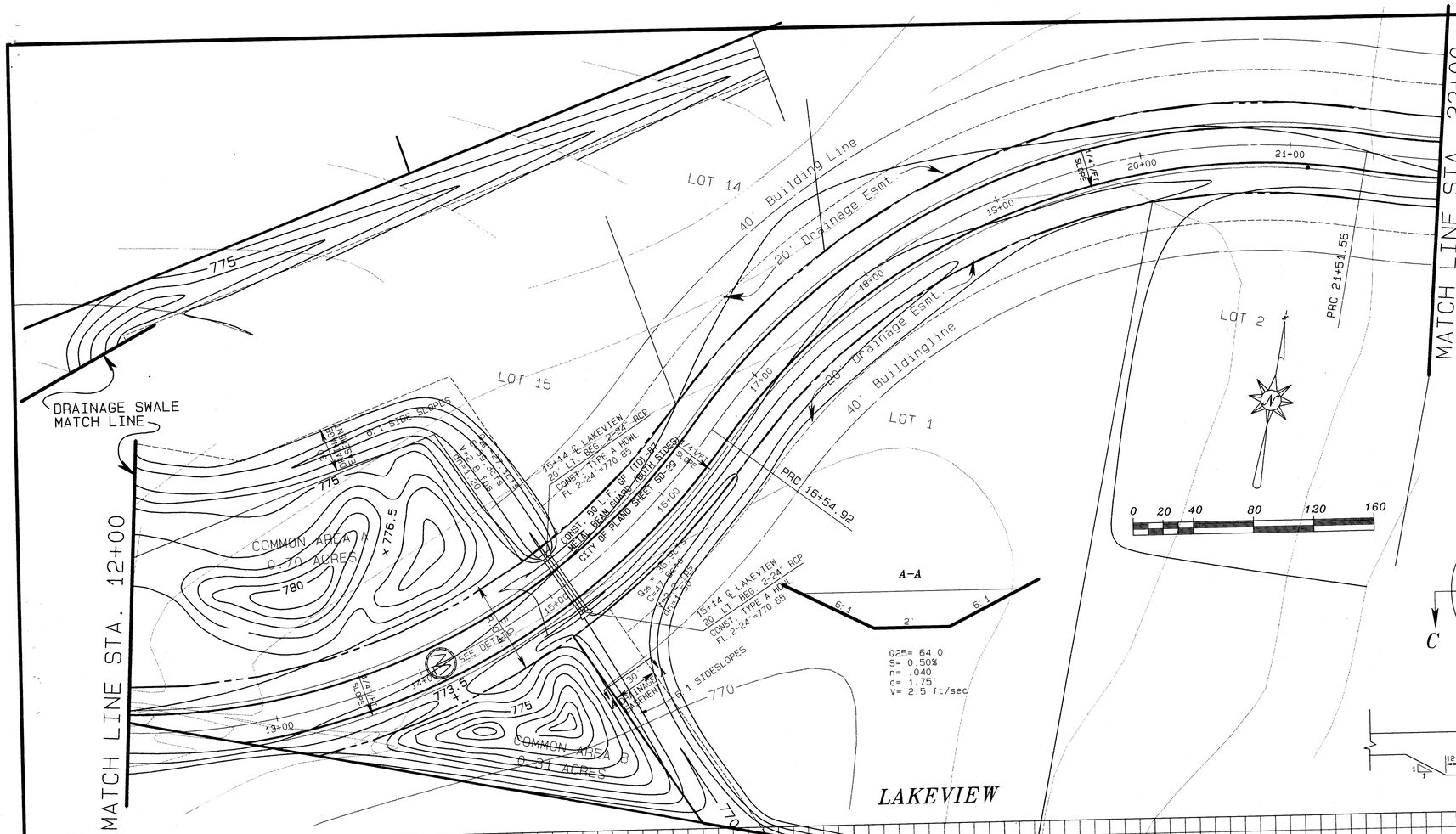
STREET PLAN & PROFILE
MORGAN LAKE ESTATES
CITY OF CELINA, TEXAS

THE NELSON CORPORATION
PLANNING ENGINEERING SURVEYING
1600 REDBUD SUITE 302 McKINNEY, TEXAS (214)542-0653

DESIGN	DRAWN	DATE	SCALE	FILE	SHEET NO.
TNC	TNC	FEB., 1995	1"=40' H. 1"=4' V.	94083.10	4

P-199502-01

REVISION	DATE	DESCRIPTION	DRAWN BY	CHECKED BY



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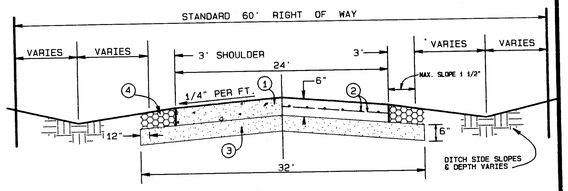


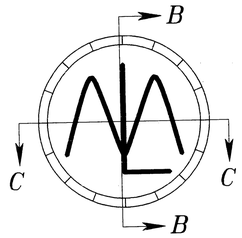
① 3000 psi concrete @ 28 days

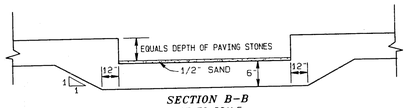
② No. 3 Bars on 24" ctrs. Both Ways

③ 7% lime stabilized subgrade
Compacted 95% Modified Proctor density

④ Gravel Shoulder

TYPICAL SECTION
CONCRETE PAVEMENT
NO SCALE





SECTION B-B
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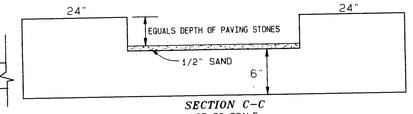

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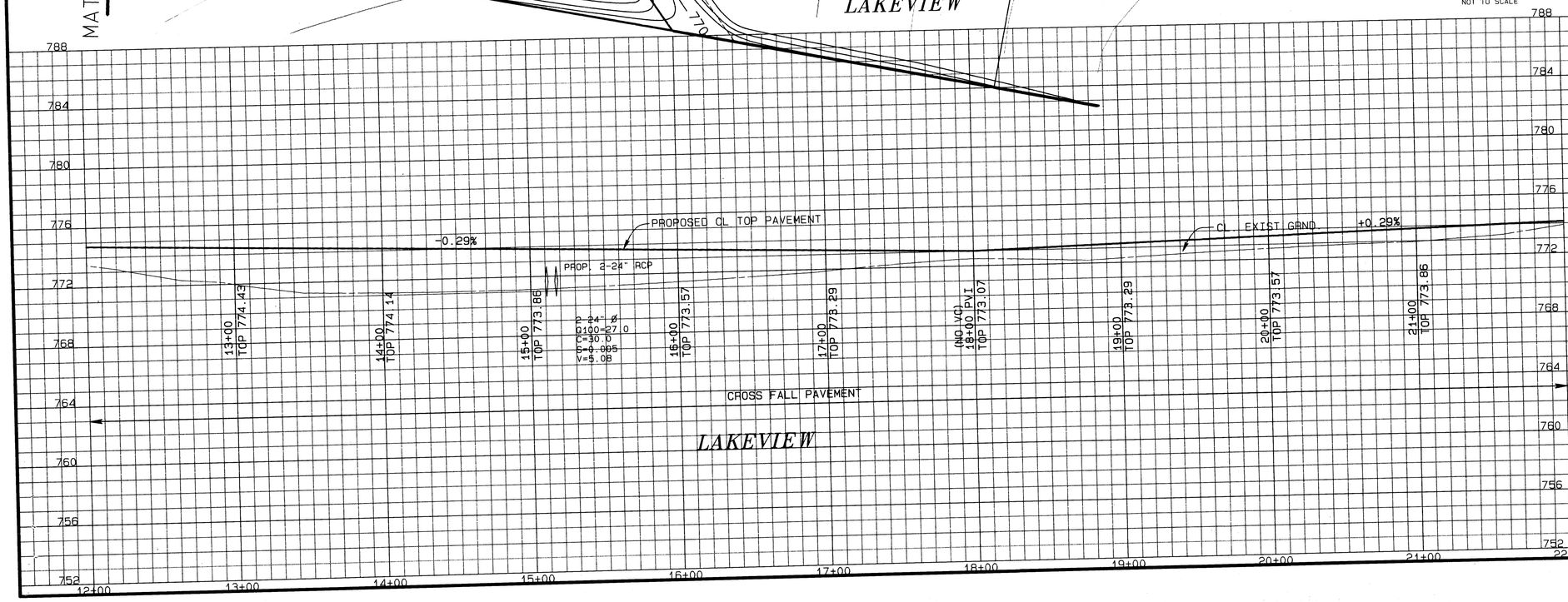

STATE OF TEXAS
ROBERT C. BELL
46817
LICENSED PROFESSIONAL ENGINEER
5/22/95

STREET PLAN & PROFILE

MORGAN LAKE ESTATES

CITY OF CELINA, TEXAS

THE NELSON CORPORATION
PLANNING ENGINEERING SURVEYING
1600 REDBUD SUITE 302 McKINNEY, TEXAS (214) 542-0653

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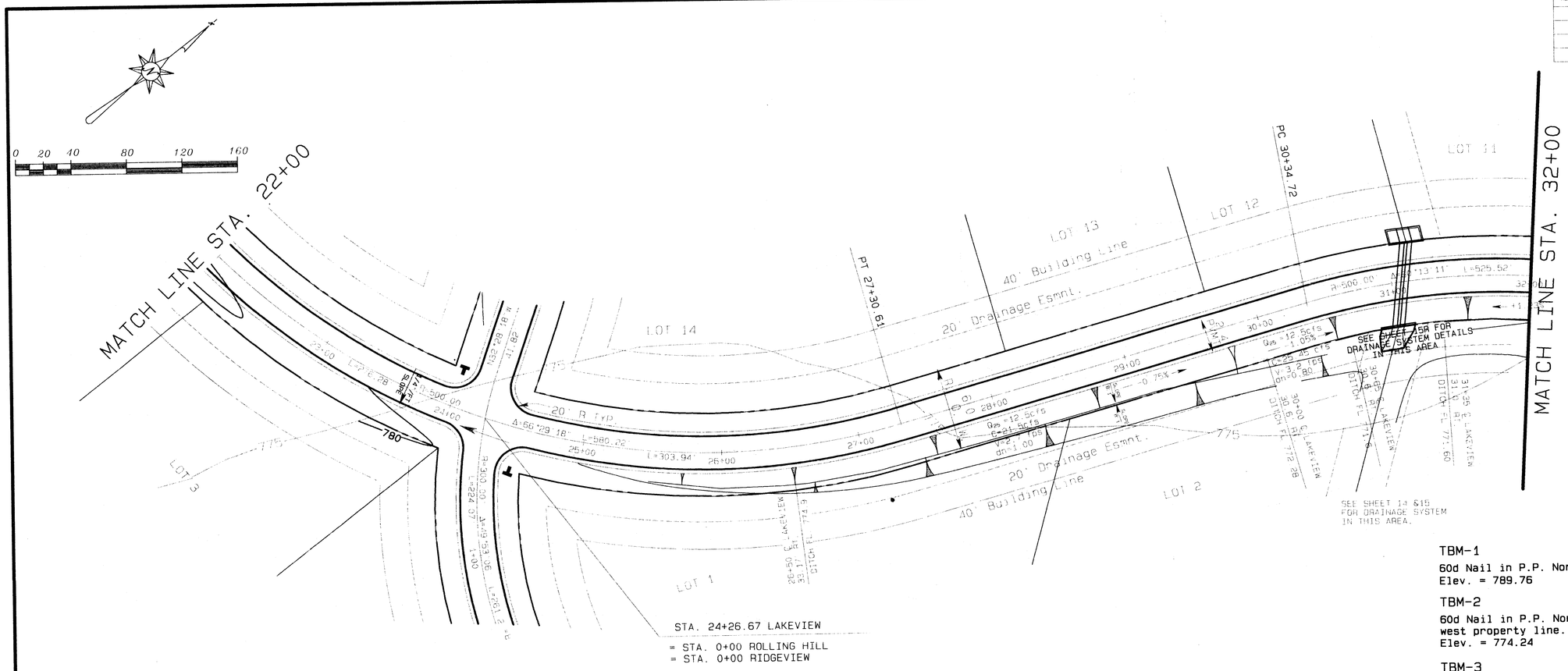

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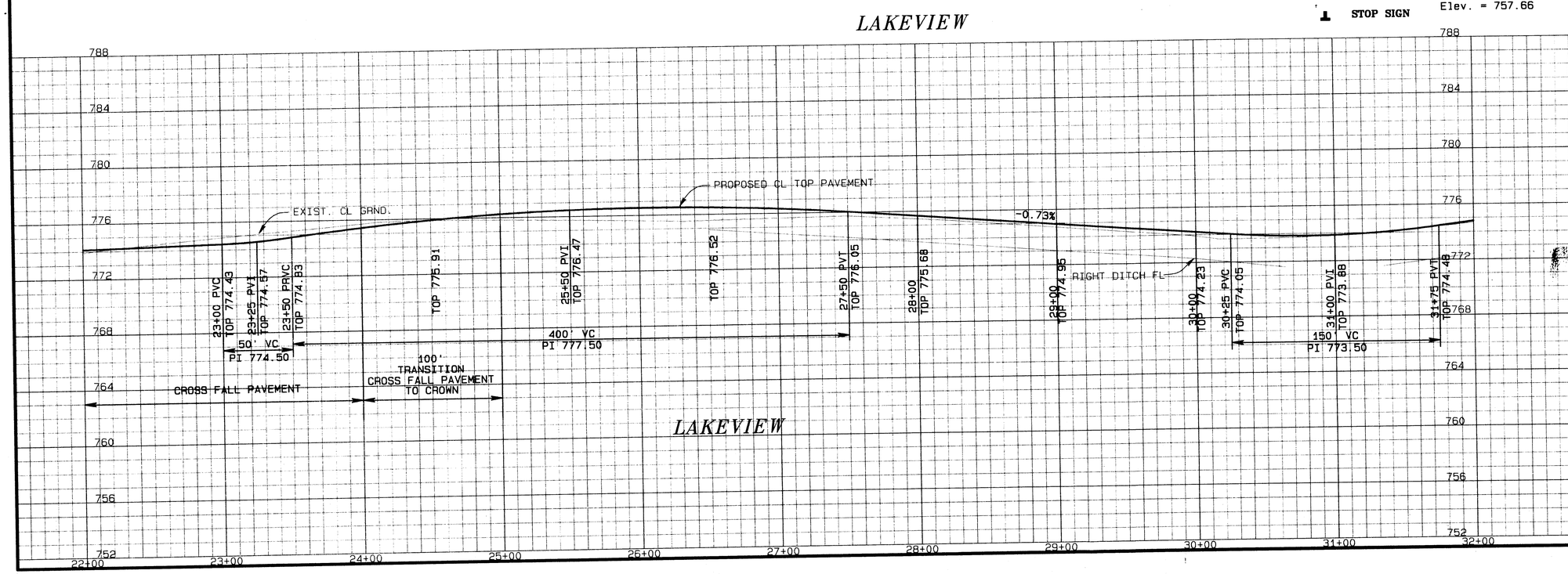
60d Nail in P.P. Southeast Dam abutment
Elev. = 757.66

STOP SIGN



STATE OF TEXAS
ROBERT S. BELL
46017
LICENSED PROFESSIONAL ENGINEER
3/27/95

STREET PLAN & PROFILE
MORGAN LAKE ESTATES
CITY OF CELINA, TEXAS

THE NELSON CORPORATION
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1600 REDBUD SUITE 302 McKINNEY, TEXAS (214)542-0653

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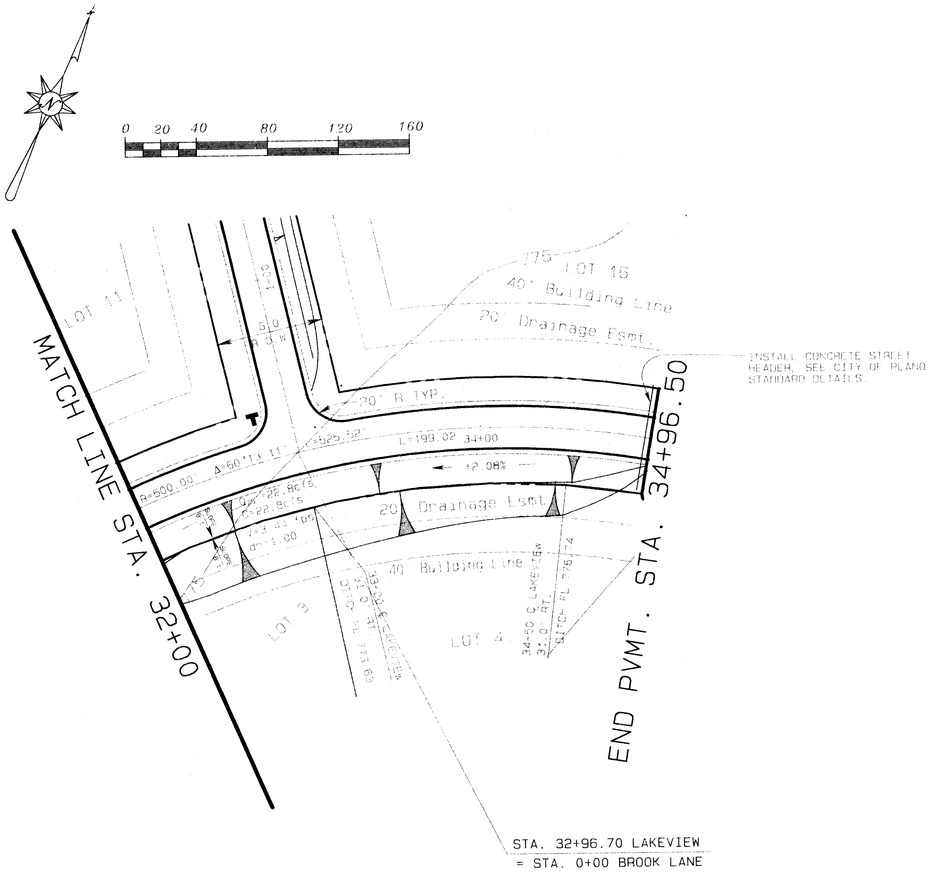

NOTE:
AN 18' WIDE ROCK ROAD SHALL BE CONSTRUCTED ON NATURAL GROUND FROM STA. 34+96.50 TO COUNTY RD. 97 ALONG THE THE ALIGNMENT SHOWN ON SHEET NO. 3, SHEET 2 OF 2 OF THE FINAL PLAT.

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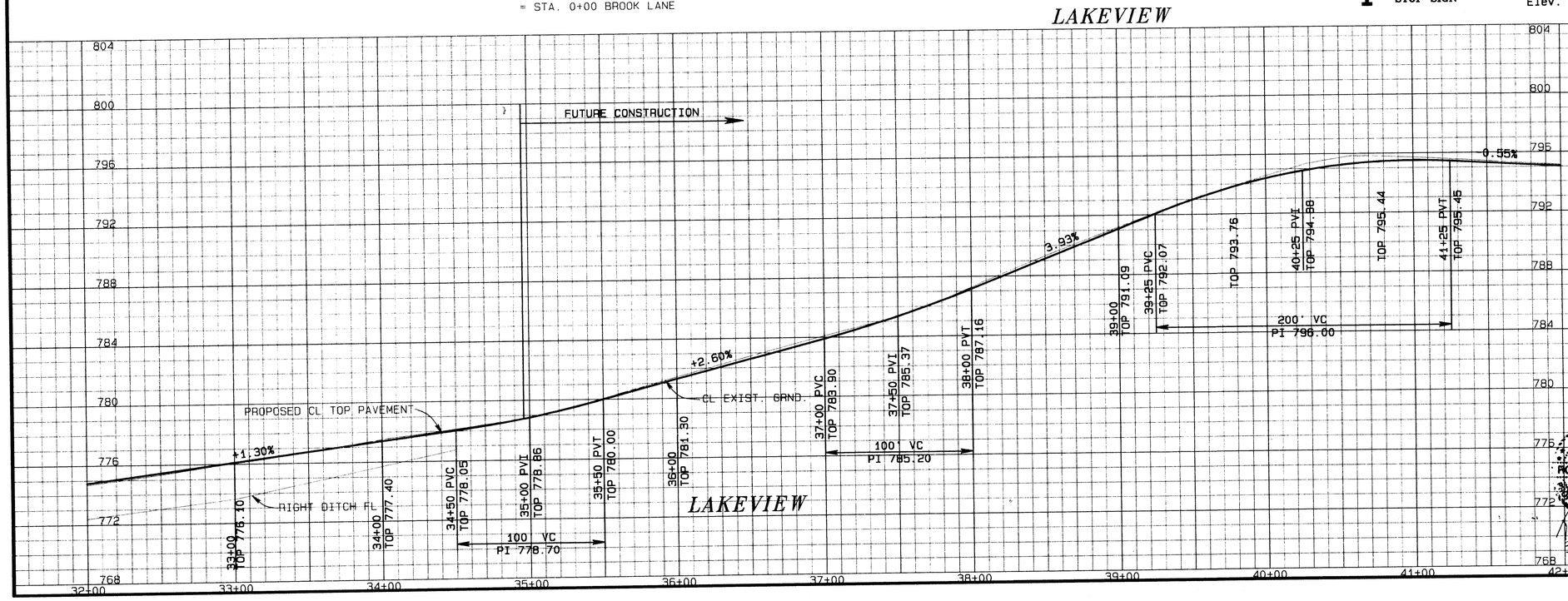

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P-199502-01

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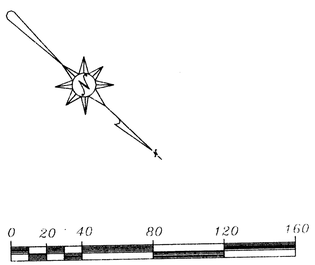
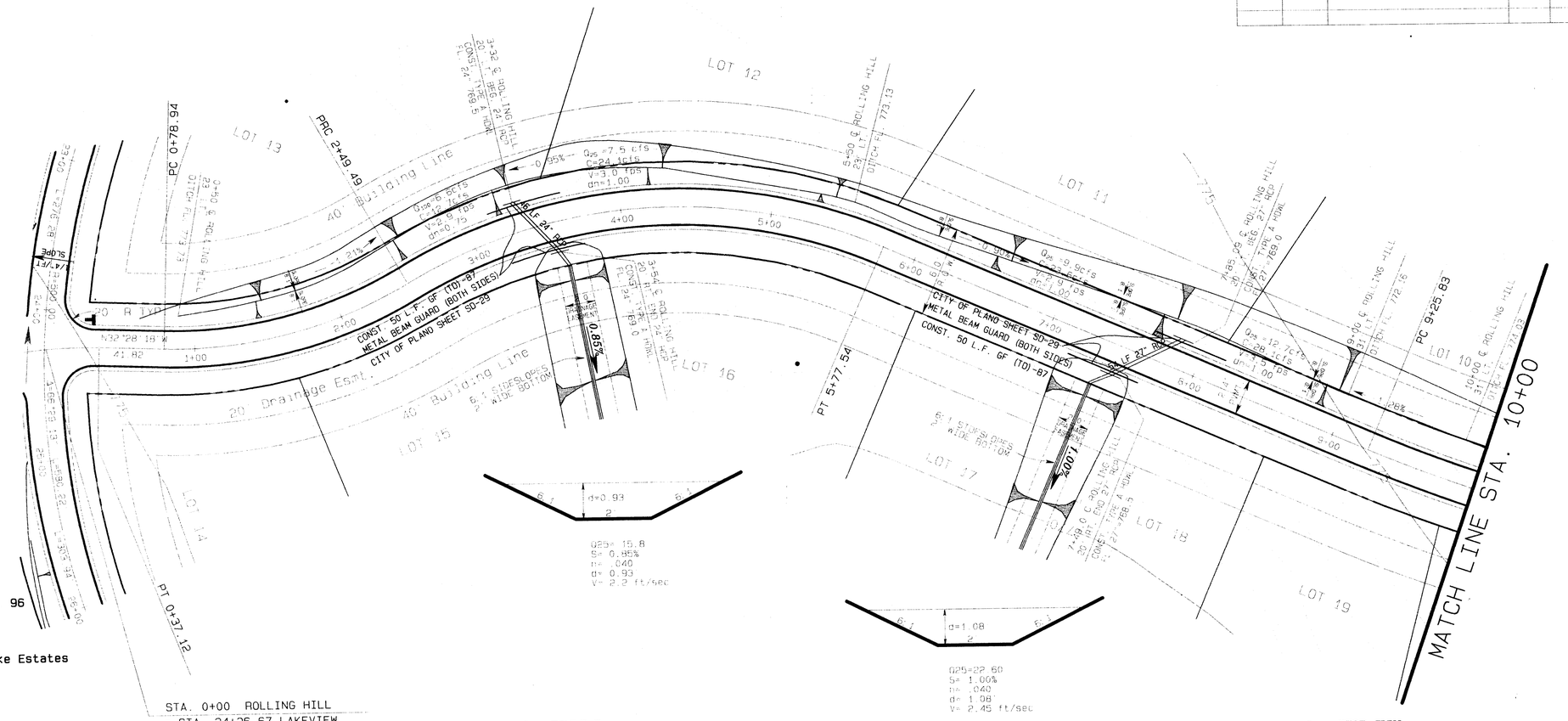
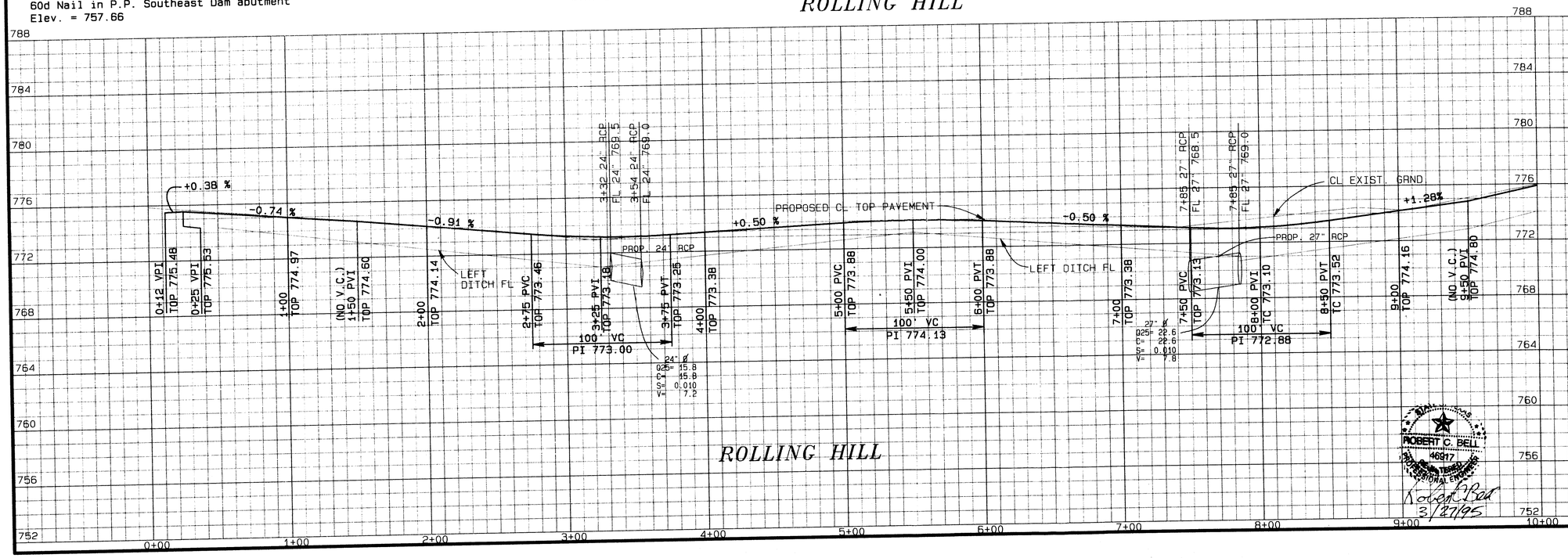




TBM-1
60d Nail in P.P. Northeast corner of Hwy. 289 and Co. Rd. 96
Elev. = 789.76

TBM-2
60d Nail in P.P. North side Co. Rd. 96 west of Morgan Lake Estates west property line.
Elev. = 774.24

TBM-3
60d Nail in P.P. Southeast Dam abutment
Elev. = 757.66



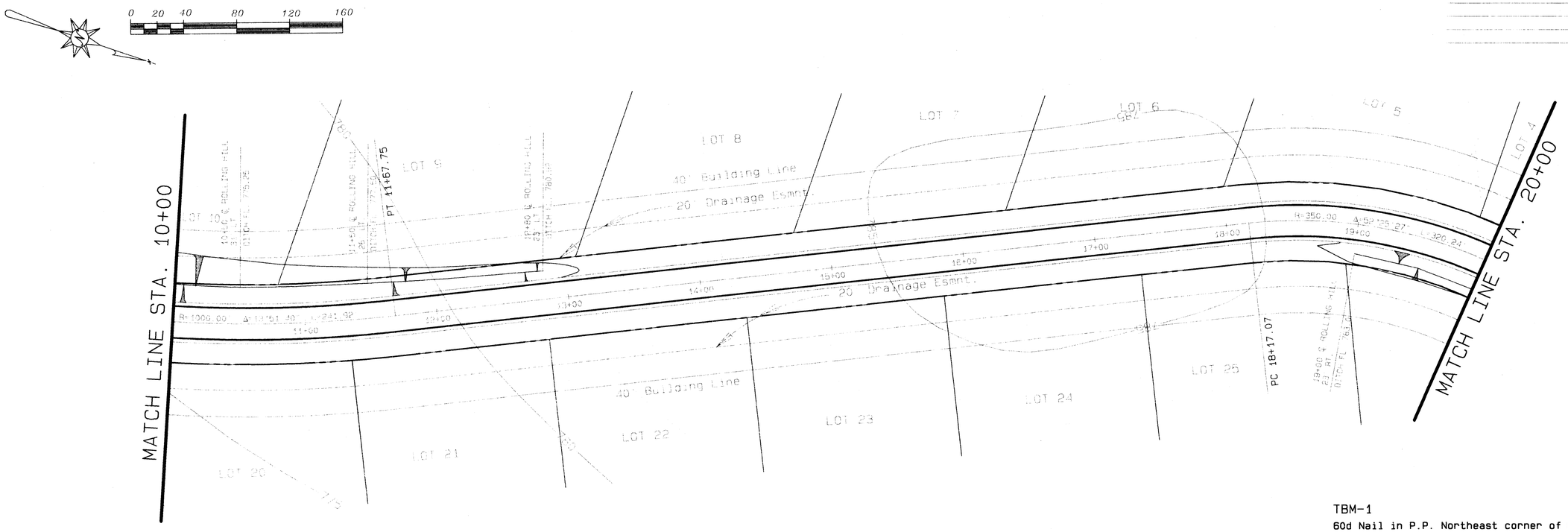
STREET PLAN & PROFILE
MORGAN LAKE ESTATES
CITY OF CELINA, TEXAS

THE NELSON CORPORATION
PLANNING ENGINEERING SURVEYING
1600 REDBUD SUITE 302 McKINNEY, TEXAS (214)542-0653

DESIGN	DRAWN	DATE	SCALE	FILE	SHEET NO.
TNC	TNC	FEB., 1995	1"=40' H. 1"=4' V.	94083.10	8

P-199502-01

REVISION	DATE	DESCRIPTION	DRAWN BY	CHECKED BY



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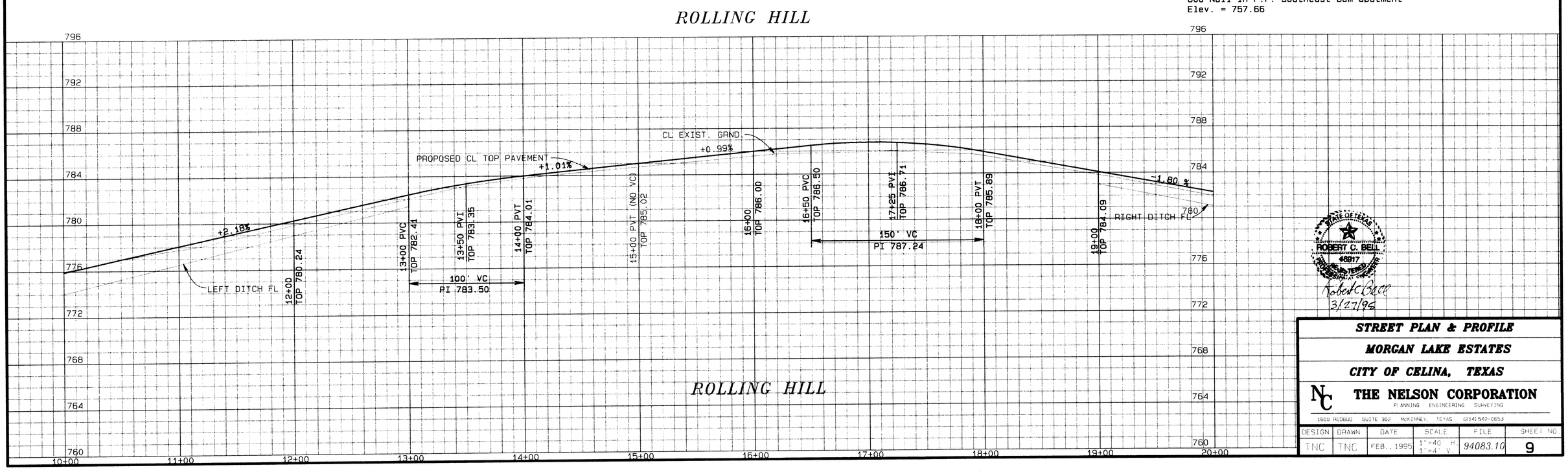
Elev. = 757.66



STATE OF TEXAS
ROBERT C. BELL
46217
LICENSED PROFESSIONAL ENGINEER

Robert C. Bell
3/27/96

STREET PLAN & PROFILE

MORGAN LAKE ESTATES

CITY OF CELINA, TEXAS

THE NELSON CORPORATION

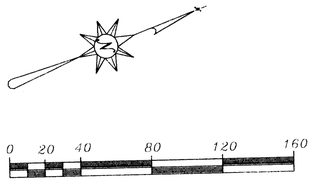
PLANNING ENGINEERING SURVEYING

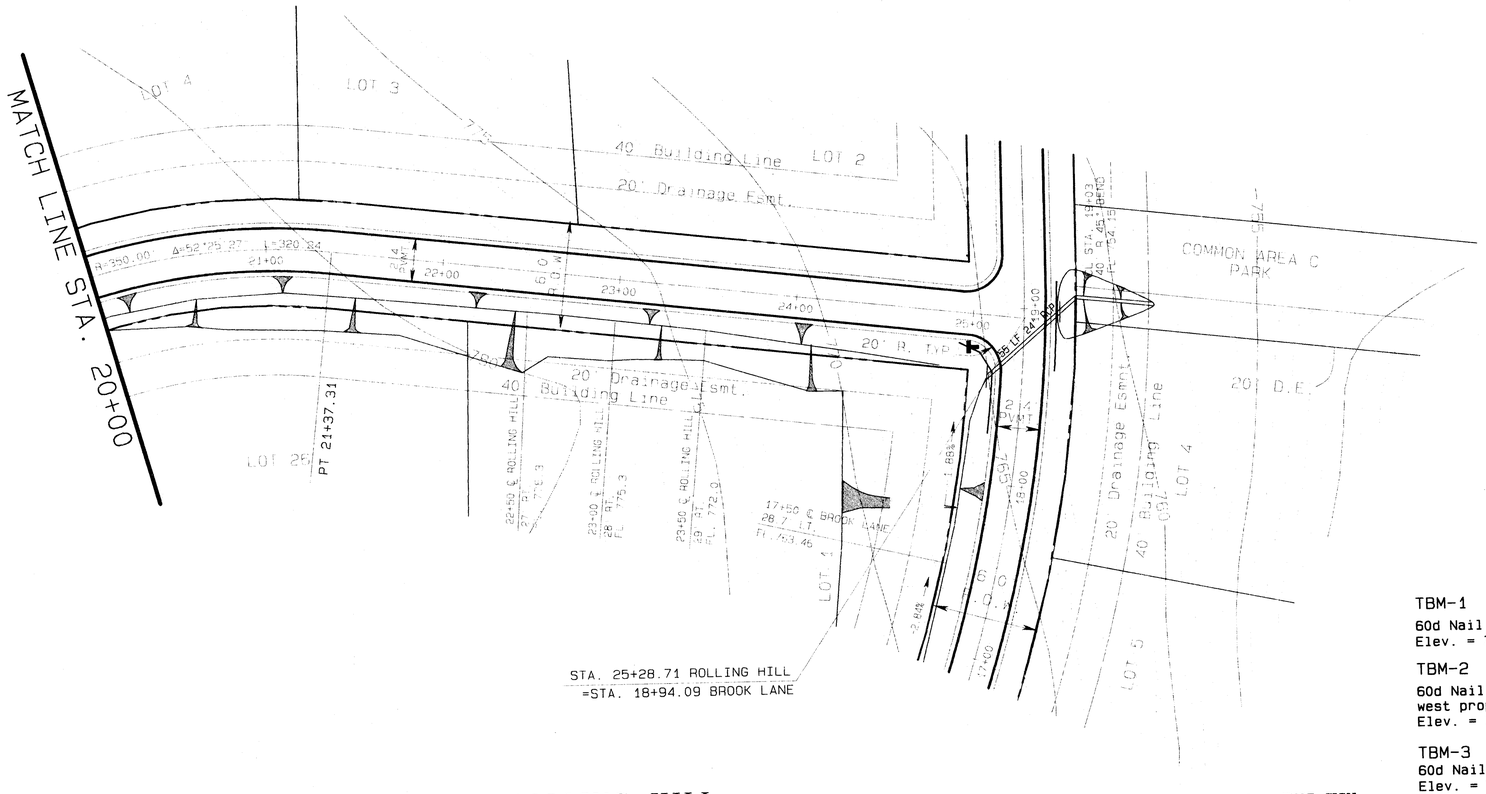
1600 REDBUD SUITE 302 McKINNEY, TEXAS (214) 542-0653

DESIGN	DRAWN	DATE	SCALE	FILE	SHEET NO.
TNC	TNC	FEB., 1995	1"=40' H. 1"=4' V.	94083.10	9

P-199502-01

REVISION	DATE	DESCRIPTION	DRAWN BY	CHECKED BY





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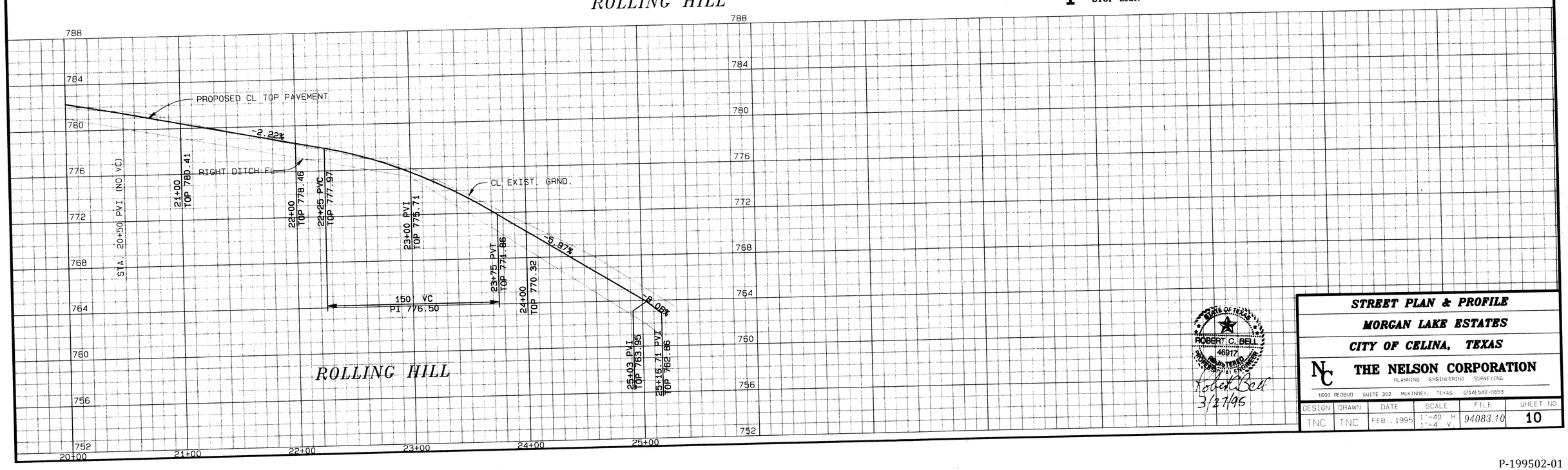
Elev. = 774.24

TBM-3
60d Nail in P.P. Southeast Dam abutment
Elev. = 757.66

⊥ STOP SIGN



STATE OF TEXAS
ROBERT C. BELL
46917
LICENSED PROFESSIONAL ENGINEER

Robert Bell
3/27/95

STREET PLAN & PROFILE
MORGAN LAKE ESTATES
CITY OF CELINA, TEXAS

THE NELSON CORPORATION
PLANNING ENGINEERING SURVEYING
1600 REDBUD SUITE 302 McKINNEY, TEXAS (214)542-0653

DESIGN	DRAWN	DATE	SCALE	FILE	SHEET NO.
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P-199502-01

REVISION	DATE	DESCRIPTION	DRAWN BY	CHECKED BY

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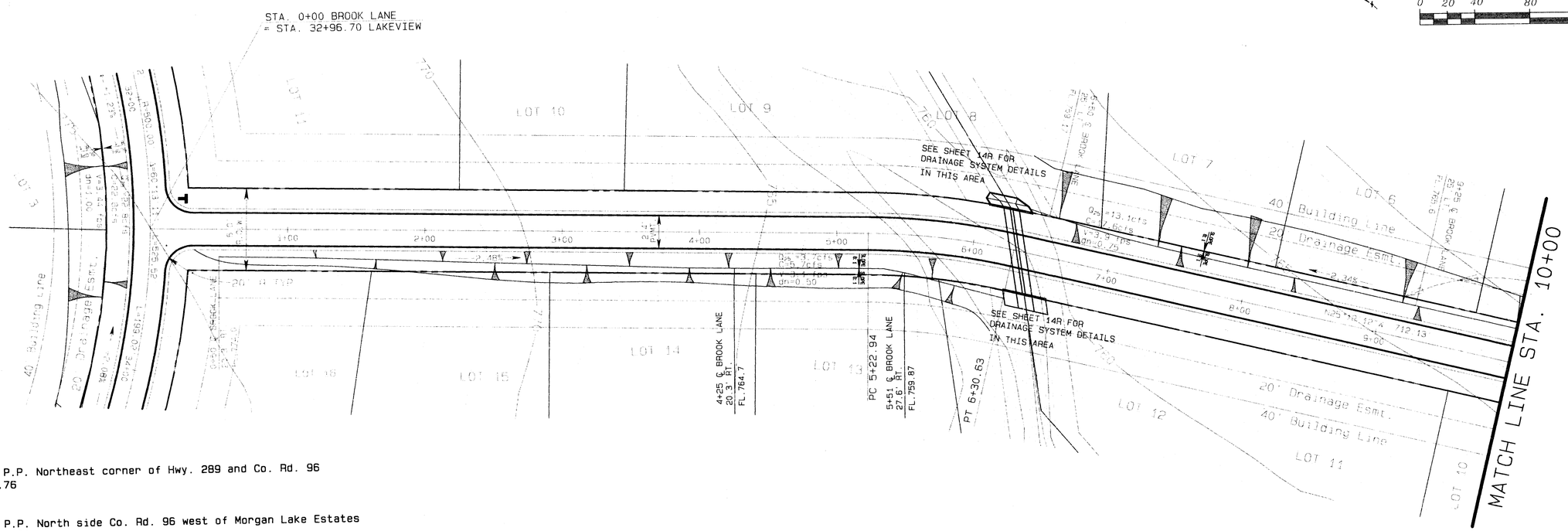

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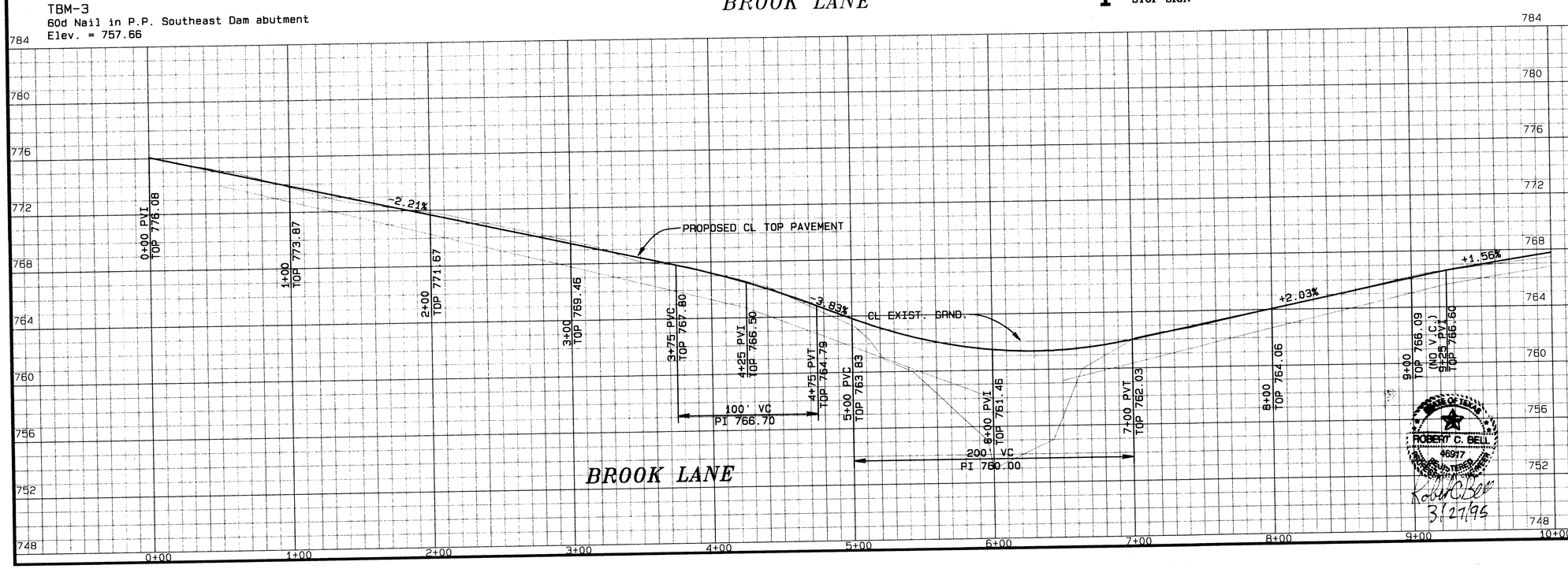
TBM-3
60d Nail in P.P. Southeast Dam abutment
Elev. = 757.66

BROOK LANE

⊥ STOP SIGN



STATE OF TEXAS
ROBERT C. BELL
46917
REGISTERED PROFESSIONAL ENGINEER
Robert C. Bell
3/27/95

STREET PLAN & PROFILE
MORGAN LAKE ESTATES
CITY OF CELINA, TEXAS

THE NELSON CORPORATION
PLANNING ENGINEERING SURVEYING
1800 REDBUD SUITE 300 McKINNEY, TEXAS (214) 542-0653

DESIGN	DRAWN	DATE	SCALE	FILE	SHEET NO.
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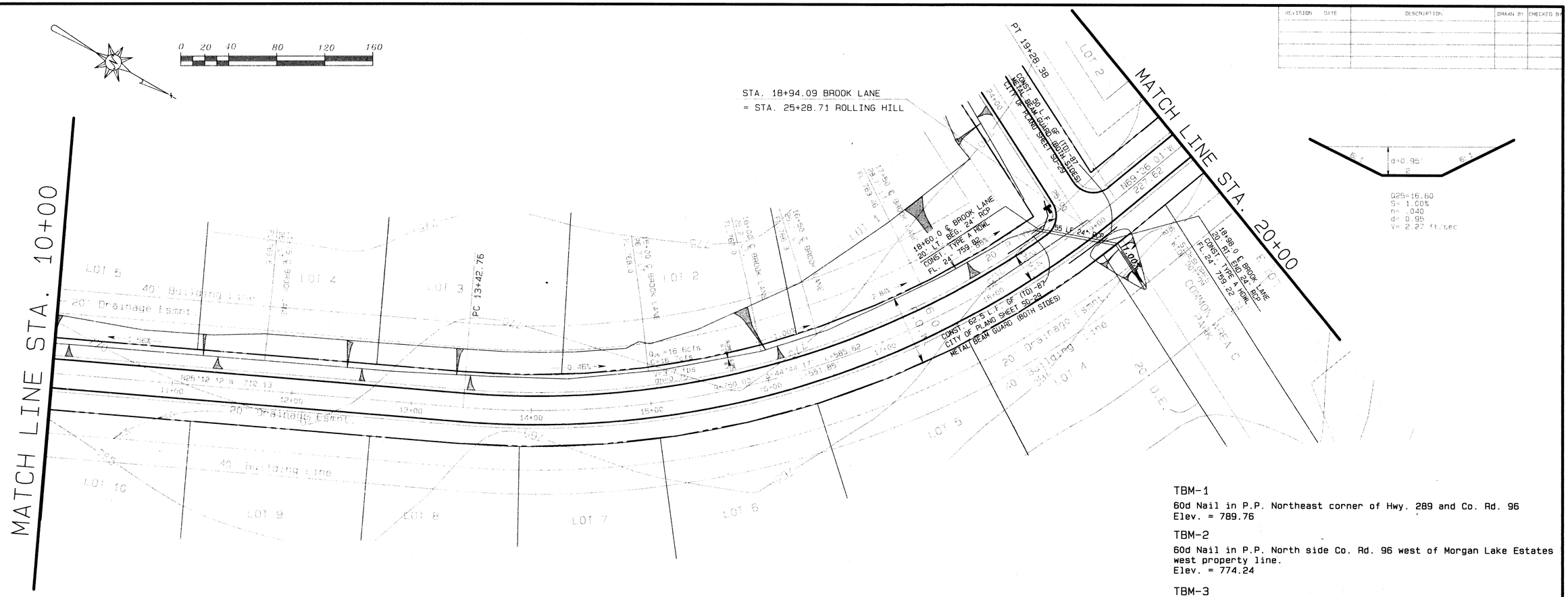
P-199502-01

REVISION	DATE	DESCRIPTION	DRAWN BY	CHECKED BY



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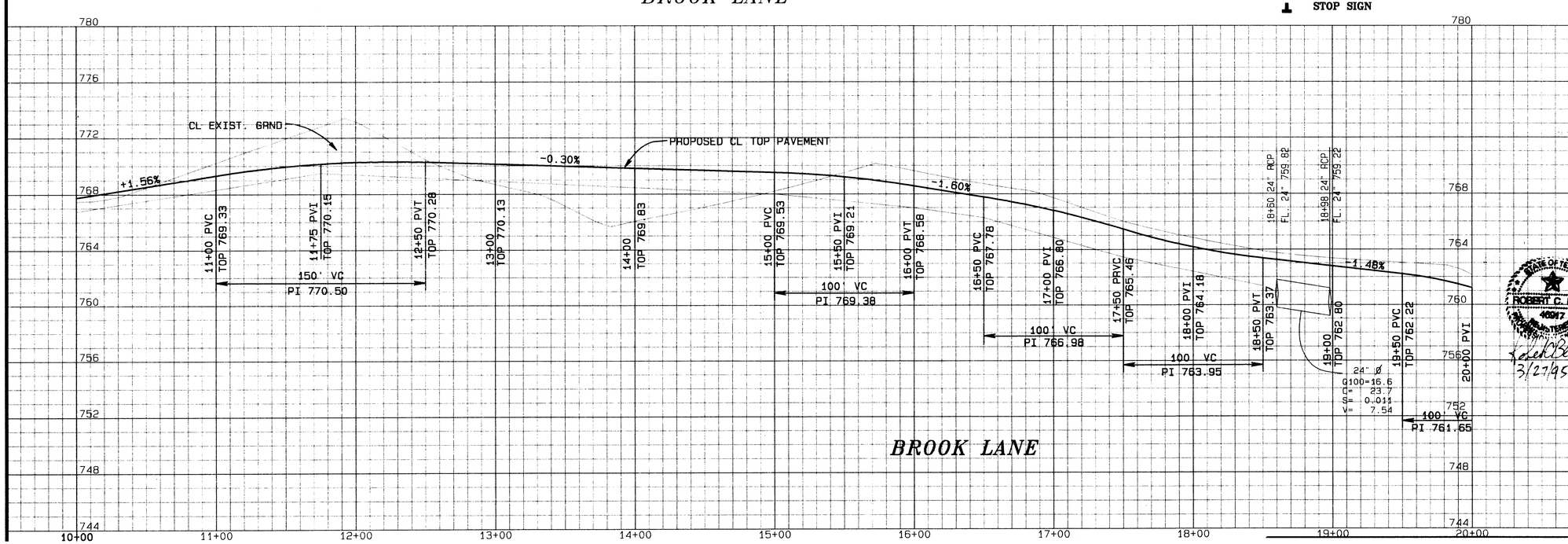
BROOK LANE

STOP SIGN



BROOK LANE

STATE OF TEXAS
ROBERT C. BELL
46917
REGISTERED
PROFESSIONAL ENGINEER
3/27/95

STREET PLAN & PROFILE

MORGAN LAKE ESTATES

CITY OF CELINA, TEXAS

THE NELSON CORPORATION
PLANNING ENGINEERING SURVEYING
1600 REDBUD SUITE 302 McKINNEY, TEXAS (214) 542-0653

DESIGN	DRAWN	DATE	SCALE	FILE	SHEET NO.
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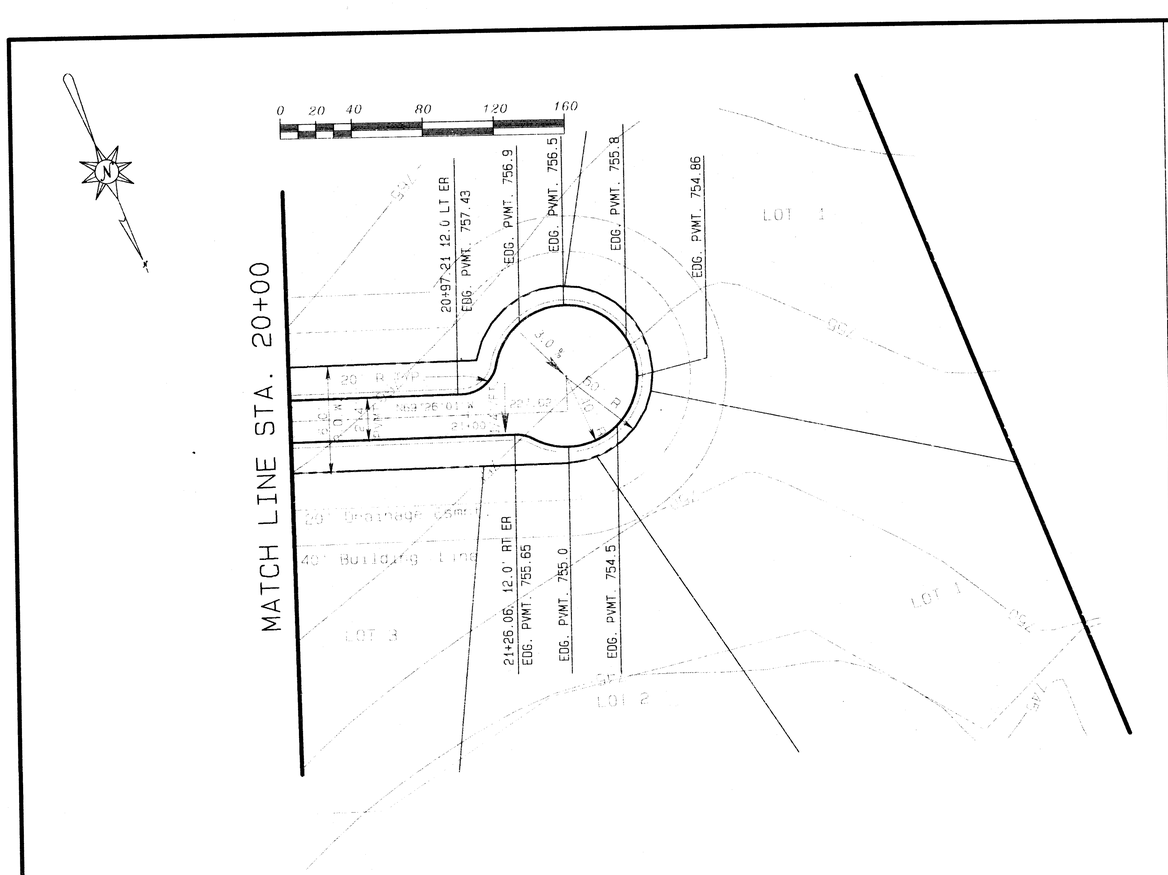
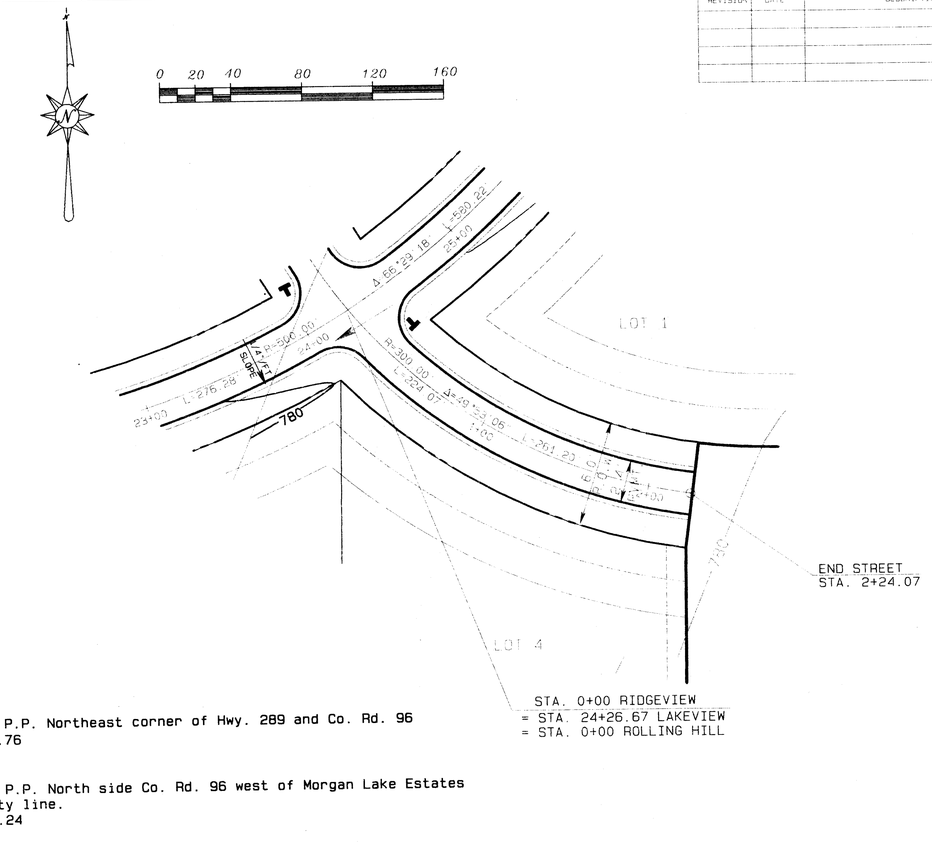
P-199502-01

REVISION	DATE	DESCRIPTION	DRAWN BY	CHECKED BY





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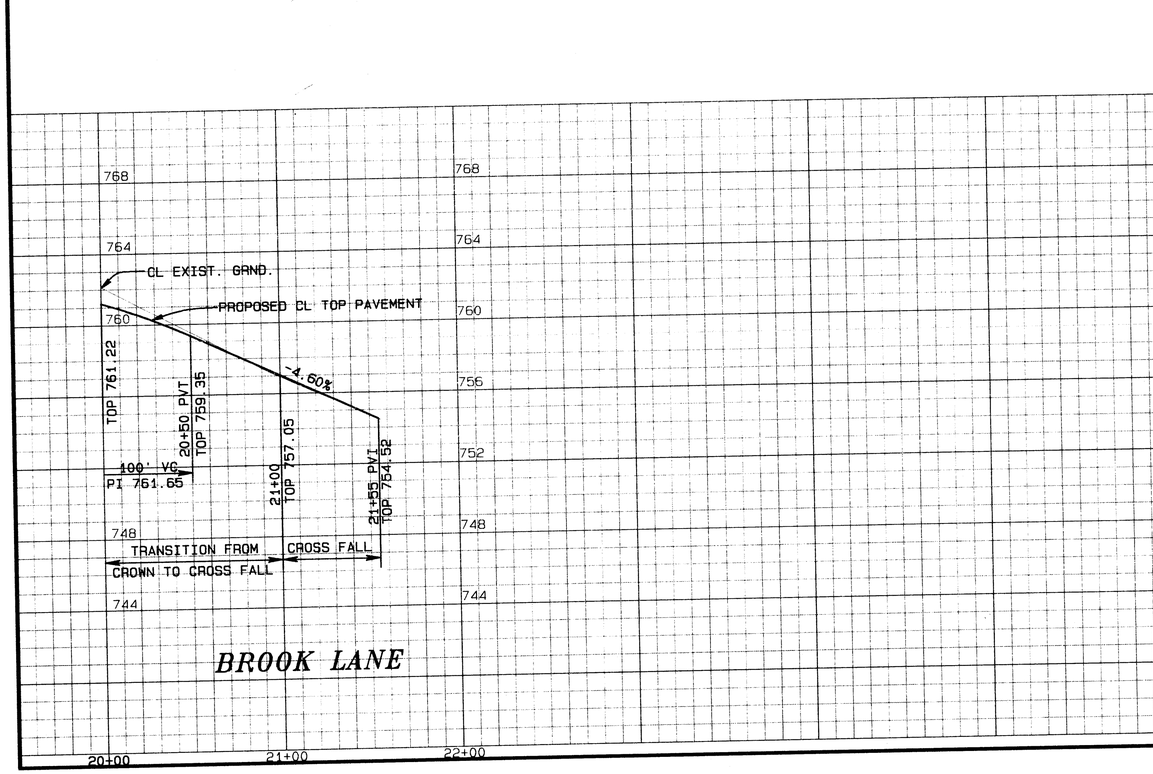
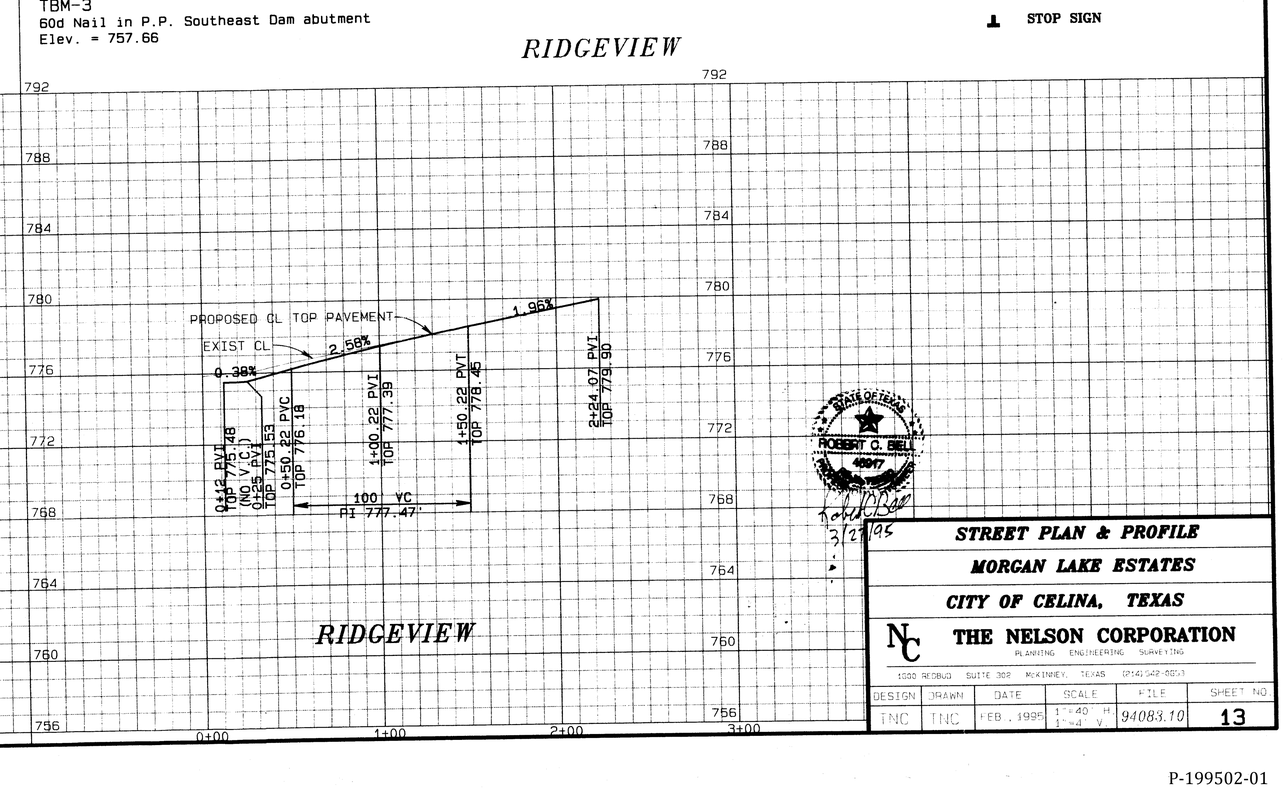
STOP SIGN





STATE OF TEXAS
ROBERT C. BELL
48917
3/27/95

STREET PLAN & PROFILE
MORGAN LAKE ESTATES
CITY OF CELINA, TEXAS

THE NELSON CORPORATION
PLANNING ENGINEERING SURVEYING
1500 REDBUD SUITE 302 McKINNEY, TEXAS (214)542-0853

DESIGN	DRAWN	DATE	SCALE	FILE	SHEET NO.
TNC	TNC	FEB. 1995	1"=40' H. 1"=4' V.	94083.10	13

P-199502-01

REVISION	DATE	DESCRIPTION	DRAWN BY	CHECKED BY

THE NELSON CORPORATION • DALLAS, TEXAS

NOTE:
SEEDING FOR EROSION CONTROL TxDOT ITEM 164 TABLE 3 IN ALL DISTURBED AREAS.

NOTE:
OVER EXCAVATE ROCK 2' BELOW PROPOSED LAKE BOTTOM. GROUT ANY ROCK FRACTURES AND PLACE A 2' THK. IMPERVIOUS CLAY LAYER. ONSITE CLAY MATERIAL IS SUITABLE FOR USE IN CONSTRUCTING THE IMPERVIOUS LINER.

MATCH LINE STA. 14+00

BEGIN CONC. SLOPE PROTECTION

CONST. 6" THK. 3000 PSI REINF CONC. SLOPE PROTECTION W/ BARS @18" CTRS EA WAY

DENSITY CONTROLED FILL COMPACTED TO 95% STANDARD DENSITY

CONSTRUCT CONC. EROSION PROTECTION @ LAKE OUTFALL SEE DETAIL THIS SHEET

5+20.25 BEGIN DBL.54" RCP CONST. TYPE A HDWL. W/ CONC. SLOPE PROTECTION

CONST. 90.0 L.F. GF (TD) - 87 METAL BEAM GUARD (BOTH SIDES)

BROOK LANE

5+52.37 CL DBL.54" RCP = CL 6+34.50 BROOK LANE INSTALL 54" CLASS III RCP

END CONC. SLOPE PROTECTION

7+45 BEGIN LAKE SLOPE PROTECTION

5+84.49 END DBL.54" RCP CONST. TYPE A HDWL. W/ CONC. SLOPE PROTECTION

7+67 END LAKE SLOPE PROTECTION

FLAT BOTTOM LAKE

10+99 END LAKE SLOPE PROTECTION

10+67 BEGIN LAKE SLOPE PROTECTION

EROSION PROTECTION TO BE REDESIGNED PRIOR TO CONSTRUCTION

TBM-1
60d Nail in P.P. Northeast corner of Hwy. 289 and Co. Rd. 96
Elev. = 789.76

TBM-2
60d Nail in P.P. North side Co. Rd. 96 west of Morgan lake Estates west property line.
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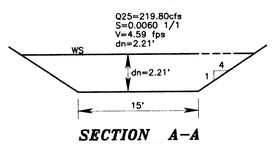
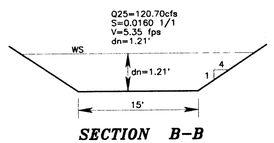
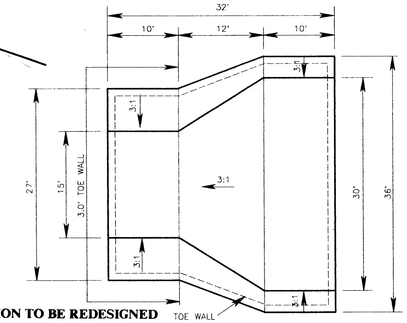
TBM-3
60d Nail in P.P. Southeast Dam abutment
Elev. = 757.66



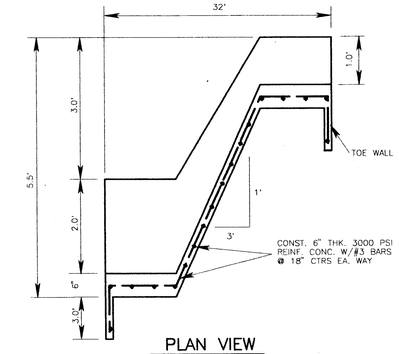
SECTION A-A
NTS



SECTION B-B
NTS

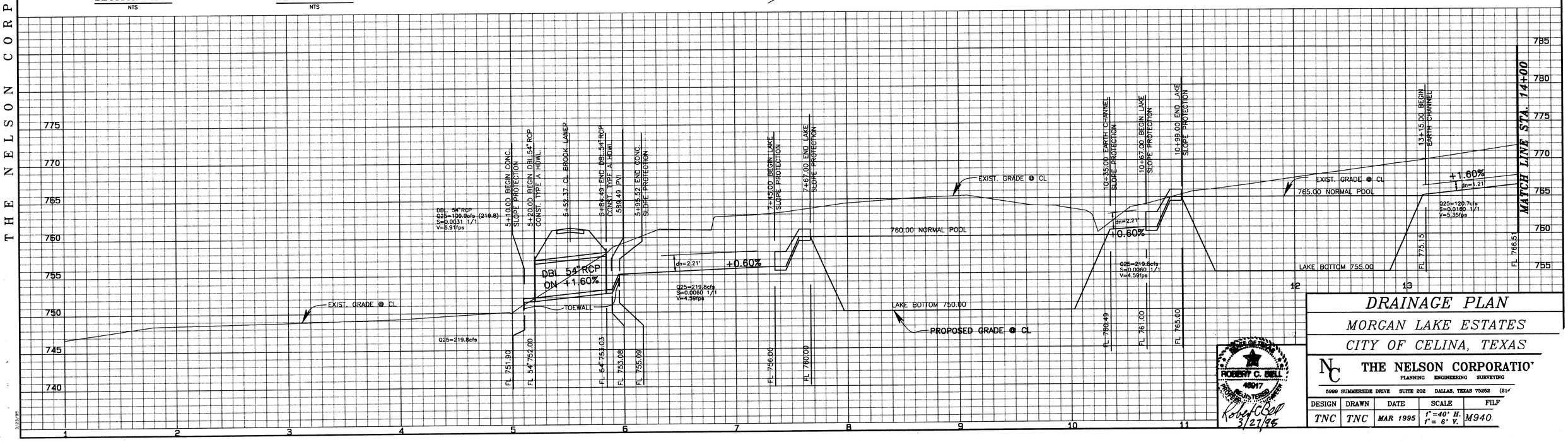


PLAN VIEW
NTS



PLAN VIEW
NTS

EROSION CONTROL DROP STRUCTURE
STA. 7+45 AND 10+67



DRAINAGE PLAN
MORGAN LAKE ESTATES
CITY OF CELINA, TEXAS

THE NELSON CORPORATION
PLANNING ENGINEERING SURVEYING
5999 SUMMERSIDE DRIVE SUITE 202 DALLAS, TEXAS 75252 (214

DESIGN	DRAWN	DATE	SCALE	FILE
TNC	TNC	MAR 1995	1"=40' H. 1"= 6' V.	M940

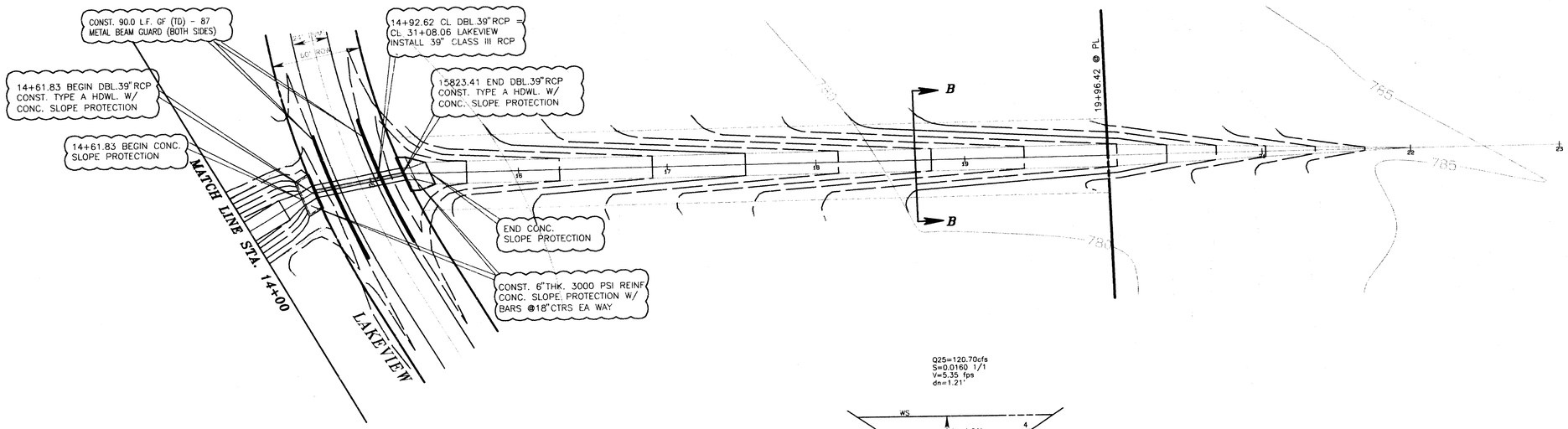
STATE OF TEXAS ROBERT C. BELL 46017 REGISTERED PROFESSIONAL ENGINEER
3/27/95

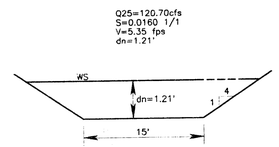
P-199502-01

REVISION	DATE	DESCRIPTION	DRAWN BY	CHECKED BY

THE NELSON CORPORATION • DALLAS, TEXAS

NOTE:
SEEDING FOR EROSION CONTROL
TxDOT ITEM 164 TABLE 3 IN
ALL DISTURBED AREAS.





SECTION B–B
NTS

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of Hwy. 289 and Co. Rd. 96
Elev. = 789.76

TBM–2
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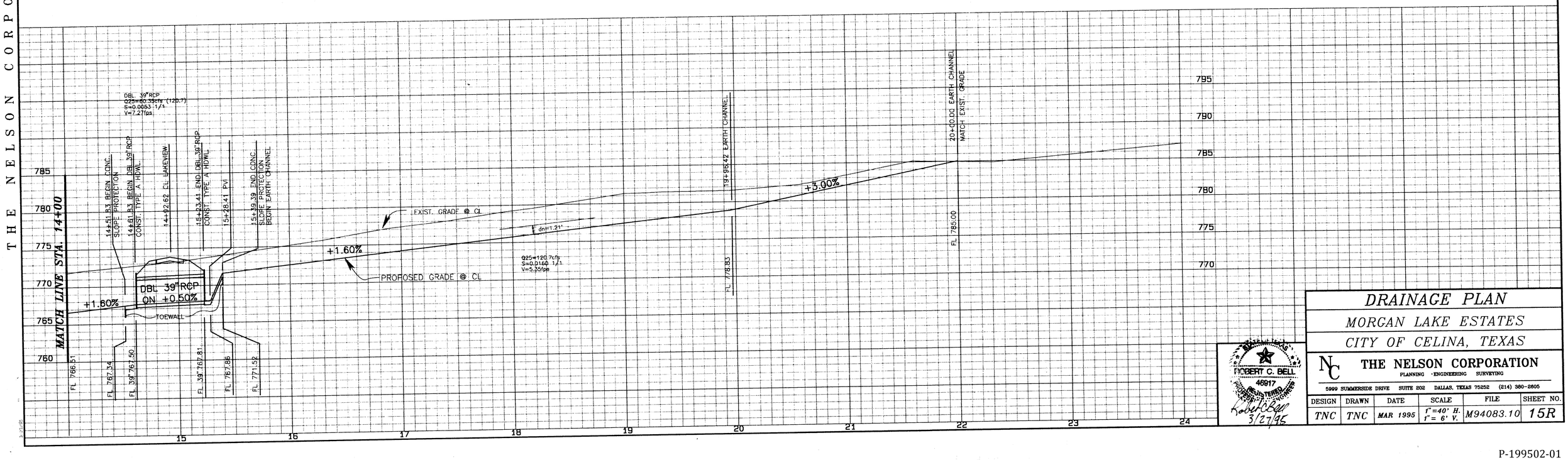

ROBERT C. BELL
46917
REGISTERED PROFESSIONAL ENGINEER
TEXAS
Robert C. Bell
3/27/95

DRAINAGE PLAN

MORGAN LAKE ESTATES

CITY OF CELINA, TEXAS

THE NELSON CORPORATION
PLANNING · ENGINEERING SURVEYING
5999 SUMMERSIDE DRIVE SUITE 202 DALLAS, TEXAS 75252 (214) 380-2605

DESIGN	DRAWN	DATE	SCALE	FILE	SHEET NO.
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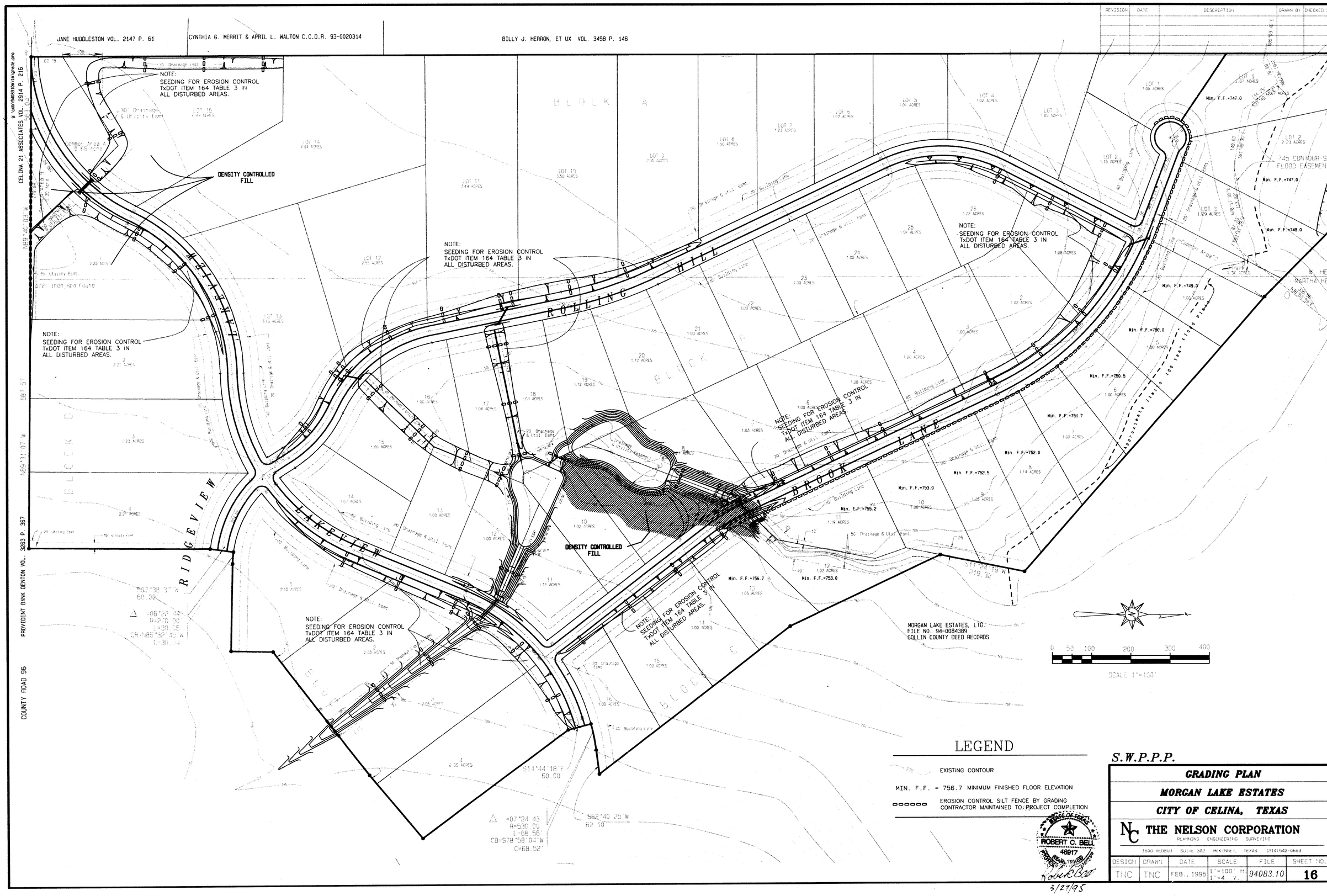
P-199502-01



JANE HUDDLESTON VOL. 2147 P. 61
CYNTHIA G. MERRIT & APRIL L. WALTON C.C.D.R. 93-0020314
BILLY J. HERRON, ET UX VOL. 3458 P. 146
CELINA 21 ASSOCIATES VOL. 2914 P. 216
PROVIDENT BANK DENTON VOL. 3263 P. 367
COUNTY ROAD 96
NOTE:
SEEDING FOR EROSION CONTROL
TxDOT ITEM 164 TABLE 3 IN
ALL DISTURBED AREAS.
DENSITY CONTROLLED FILL
ROLLING HILL
BROOK LANE
RIDGEVIEW
LAKEVIEW
BLOCK A
BLOCK B
BLOCK C
MORGAN LAKE ESTATES, LTD.
FILE NO. 94-0084389
COLLIN COUNTY DEED RECORDS
SCALE 1"=100'
LEGEND
EXISTING CONTOUR
MIN. F.F. = 756.7 MINIMUM FINISHED FLOOR ELEVATION
EROSION CONTROL SILT FENCE BY GRADING CONTRACTOR MAINTAINED TO PROJECT COMPLETION
S.W.P.P.P.
GRADING PLAN
MORGAN LAKE ESTATES
CITY OF CELINA, TEXAS
THE NELSON CORPORATION
PLANNING ENGINEERING SURVEYING
1600 REDBUD SUITE 302 McKINNEY, TEXAS (214)542-0653
DESIGN TNC
DRAWN TNC
DATE FEB., 1995
SCALE 1"=100' H. 1"=4' V.
FILE 94083.10
SHEET NO. 16
ROBERT C. BELL 46917
3/27/95

P-199502-01

REVISION	DATE	DESCRIPTION	DRAWN BY	CHECKED BY

THE NELSON CORPORATION • DALLAS, TEXAS

EROSION CONTROL SPECIFICATIONS

1. The Grading Contractor shall provide and maintain erosion control devices in the areas indicated on the Erosion Control Plan or any other areas as directed by the Owner's representative.

2. The Utility Contractor shall provide and maintain an erosion control device around all openings into the storm sewer system to project completion or as directed by the Owner's representative.

3. The Paving Contractor shall provide a temporary inlet sediment filter for each inlet as indicated on the Erosion Control Plan.

4. The Electrical Utility, Natural Gas, Telephone, and Cable TV Contractor shall re-establish any previously established erosion control measure or device that is disturbed by their construction, including vegetative cover.

5. Site entry and exit locations shall be maintained in a condition which will prevent tracking or flowing of sediment onto public roadways. All sediment spilled, dropped, washed or tracked onto a public roadway must be removed immediately. When washing is required to remove sediment prior to entrance to a public roadway, it shall be done on an area stabilized with crushed stone which drains into an approved sediment basin. All fines imposed for tracking onto public roads shall be paid by the Contractor.

6. The Paving Contractor shall, upon completion of fine grading, provide and maintain erosion control devices in the areas indicated on the Erosion Control Plan or as directed by the Owner's representative.

7. Temporary seeding or other method of stabilization shall be initiated within 14 days of the last disturbance on any area of the site, unless additional construction on the area is expected within 21 days of the last disturbance.

8. Upon completion of fine grading by Paving and Grading Contractor, all areas not otherwise permanently stabilized shall be seeded and maintained until a uniform coverage of 70% minimum density, as determined by the Owner's representative, is achieved.

9. Erosion control devices may be added or reduced in the field as directed by the Owner's representative.

10. MAINTENANCE – Erosion controls shall be repaired or replaced as inspection deems necessary or as directed by the Owner's representative. Accumulated silt at any erosion control device shall be removed when it reaches a depth of 6", and shall be distributed on site in a manner not contributing to additional siltation.

11. The Contractor is responsible for re-establishing any erosion control device which he disturbs. Each Contractor shall notify the Owner's representative of any deficiencies in the established erosion control measures which may lead to unauthorized discharge of storm water pollution, sedimentation, or other pollutants. Unauthorized pollutants include, but are not limited to, excess concrete dumping or concrete residue, paints, solvents, greases, fuel and lube oil, pesticides, and solid waste materials.

12. Upon completion of fine grading, all street parkways shall be seeded, fertilized and maintained by the paving contractor in accordance with the City of Plano ordinances and specifications items 3.10, 3.11 and 3.12, or any amendments to these specifications. Grass shall be mowable before project will be considered for acceptance by the City of Plano.

GRADING SPECIFICATIONS

1. All grading shall conform to the following sections of the North Central Texas C.O.G. Standard Specifications for Public Works Construction, latest edition, as applicable:

   Item 3.2 – Clearing and Grubbing
   Item 3.3 – Unclassified Street Excavation
   Item 3.4 – Parkways
   Item 3.5 – Unclassified Channel Excavation
   Item 3.6 – Borrow
   Item 3.7 – Embankment

2. Lot grading shall be completed to provide sufficient dirt on each pad to achieve the critical pad grades and spot grades on each lot. After achieving critical pad grades indicated on this plan, the contractor is to uniformly fill all pads until the preferred pad grade is met, or, fill pad grades in priority locations as indicated by the engineer.

3. Compaction performed in pad areas, streets and alleys shall be a minimum of 95% density at a moisture content of 1 to 3% wet of optimum.

4. Remove topsoil in street/alley rights-of-way and pad areas to a depth of 4". Place topsoil in front and backyard areas at the direction of the Owner's representative.

5. Finished Floor elevations are assumed to be 8" above Finished Pad elevations.

6. The Grading Contractor is to provide pad compaction testing for each 8" lift at the rate of one random test at the direction of the engineer for every four pads.

7. All lots are to be left in a smooth, bladed condition, without any severe change in slope or low spots. Minimum grade across any lot is to be 1%. Maximum slope is to be 3 : 1, unless otherwise approved in the field.

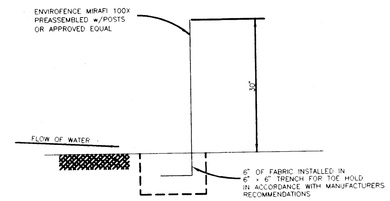
8. TOLERANCES FOR GRADING ARE:

	ROUGH GRADING	FINAL GRADING
Streets	± 0.2'	± 0.1'
Pads	± 0.5'	± 0.25'
Lot Corners	± 0.5'	± 0.25'

FINAL STABILIZATION and TERMINATION OF STORM WATER DISCHARGE AUTHORIZATION

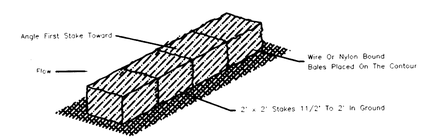
1. Upon completion of all soil disturbing construction, all areas not paved or covered by permanent structures or equivalent permanent stabilization measures shall be stabilized with a uniform perennial vegetative cover. For termination of industrial status at the construction site, the vegetative cover must meet a minimum density of 70%, as determined by the Owner's representative. All temporary erosion and sediment control measures must be removed.

2. A Notice of Termination (NOI) shall be submitted to EPA when the site has 100% of the disturbed areas stabilized and the site no longer has storm water discharges associated with industrial activities (construction), or the NOI permittee or co-permittee no longer holds operational control of the construction.



SILTATION FENCE EROSION CONTROL DEVICE

EMBEDDING DETAIL



ANCHORING DETAIL

HAY BALE EROSION CONTROL DEVICE

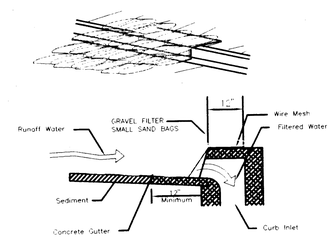
A. Within forty-eight (48) hours of pouring the blockout and top. Place wire mesh with 1/2" openings over all curb and grate inlet openings so that at least 12" of wire extends across the inlet cover-gutter and around all grates as illustrated.

B. Place small sand bags against the wire so as to anchor same against the gutter, grate and inlet cover.

C. If the sediment filter becomes clogged with debri so that it is no longer adequately performs its function, remove the sand bags, clean it and replace the sand bags.

D. Make weekly inspections of these sediment filters for conformance to these conditions. Particularly inspect all inlets after each rain. Completely remove all sediment filters upon establishment of grass in the Parkways (must be mowable), final stabilization of construction site.

E. Do not use a sediment filter to control erosion around "I" inlets. Utilize Hay Bales or sediment fences. Do not place Hay Bales in the throat of any inlet.



TEMPORARY INLET SEDIMENT FILTER BY THE PAVING CONTRACTOR

STATE OF TEXAS
ROBERT C. BEAN
3/27/95

EROSION CONTROL DETAILS

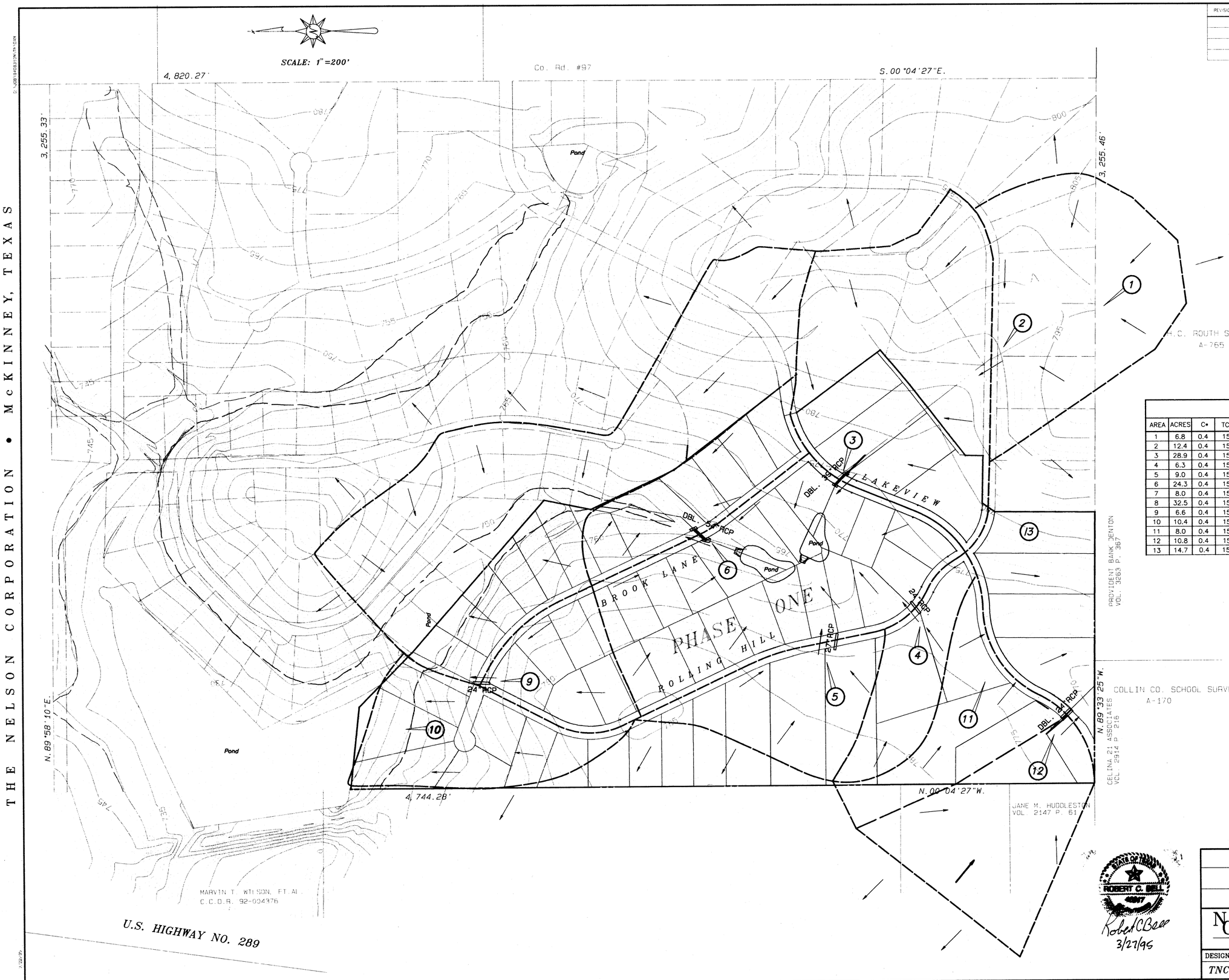
MORGAN LAKE ESTATES
CITY OF CELINA, TEXAS

Date: FEB., 1995	Scale:	Sheet: 17
Drawn By: TNC	Approved By: TNC	Project No.: 94083.10

THE NELSON CORPORATION
PLANNING • ENGINEERING • SURVEYING
LANDSCAPE ARCHITECTURE • CONSTRUCTION MANAGEMENT
5000 SUMMERHILL DRIVE SUITE 308 • DALLAS, TEXAS 75229 • (214) 9

P-199502-01

REVISION	DATE	DESCRIPTION	DRAWN BY	CHECKED BY



DRAINAGE DATA

AREA	ACRES	C*	TC	I25	I100	Q25	Q25 ACCU.	Q100	Q100 ACCU.	REMARKS
1	6.8	0.4	15	6.27	7.54	17.1	–	20.5	–	
2	12.4	0.4	15	6.27	7.54	31.1	48.2	37.4	58.0	36"RCP
3	28.9	0.4	15	6.27	7.54	72.5	120.7	87.2	145.2	DBL. 39"RCP
4	6.3	0.4	15	6.27	7.54	15.8	136.5	19.0	164.2	24"RCP
5	9.0	0.4	15	6.27	7.54	22.6	159.1	27.1	191.3	27"RCP
6	24.3	0.4	15	6.27	7.54	60.7	219.8	73.0	264.3	DBL. 54"RCP
7	8.0	0.4	15	6.27	7.54	20.1	239.9	24.1	288.4	
8	32.5	0.4	15	6.27	7.54	81.5	321.4	98.0	386.4	
9	6.6	0.4	15	6.27	7.54	16.6	–	19.9	–	24"RCP
10	10.4	0.4	15	6.27	7.54	26.1	42.7	31.4	51.3	
11	8.0	0.4	15	6.27	7.54	20.1	–	24.2	–	
12	10.8	0.4	15	6.27	7.54	27.1	47.2	32.6	56.8	DBL. 24"RCP
13	14.7	0.4	15	6.27	7.54	36.9	84.1	44.3	101.1	

STATE OF TEXAS
ROBERT C. BELL
4867
Robert C Bell
3/27/95

DRAINAGE AREA MAP

MORGAN LAKE ESTATES

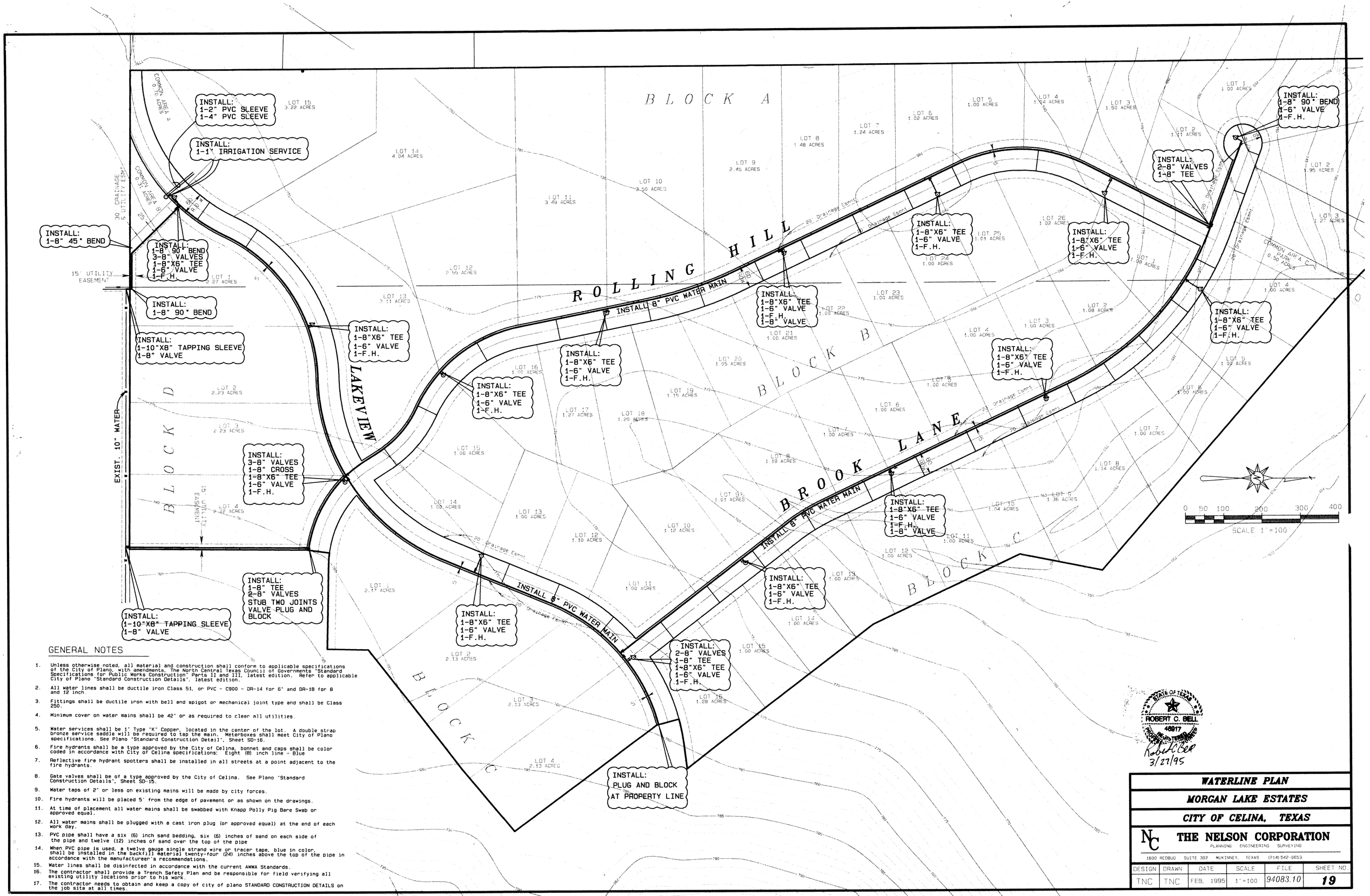
AVEX PROPERTIES

THE NELSON CORPORATION
PLANNING ENGINEERING SURVEYING
1600 REDBUD SUITE 302 McKINNEY, TEXAS 75069 (214) 542-0653

DESIGN	DRAWN	DATE	SCALE	FILE	SHEET NO.
TNC	TNC	FEB., 1995	1"=200'	94083.10M	1

THE NELSON CORPORATION • McKINNEY, TEXAS

P-199502-01



GENERAL NOTES

1. Unless otherwise noted, all material and construction shall conform to applicable specifications of the City of Plano, with amendments, The North Central Texas Council of Governments "Standard Specifications for Public Works Construction" Parts II and III, latest edition. Refer to applicable City of Plano "Standard Construction Details", latest edition.
2. All water lines shall be ductile iron Class 51, or PVC - C900 - DR-14 for 6" and DR-18 for 8 and 12 inch.
3. Fittings shall be ductile iron with bell and spigot or mechanical joint type and shall be Class 250.
4. Minimum cover on water mains shall be 42" or as required to clear all utilities.
5. Water services shall be 1" Type "K" Copper, located in the center of the lot. A double strap bronze service saddle will be required to tap the main. Meterboxes shall meet City of Plano specifications. See Plano "Standard Construction Detail", Sheet SD-16.
6. Fire hydrants shall be a type approved by the City of Celina, bonnet and caps shall be color coded in accordance with City of Celina specifications: Eight (8) inch line - Blue
7. Reflective fire hydrant spotters shall be installed in all streets at a point adjacent to the fire hydrants.
8. Gate valves shall be of a type approved by the City of Celina. See Plano "Standard Construction Details", Sheet SD-15.
9. Water taps of 2" or less on existing mains will be made by city forces.
10. Fire hydrants will be placed 5' from the edge of pavement or as shown on the drawings.
11. At time of placement all water mains shall be swabbed with Knapp Polly Pig Bare Swab or approved equal.
12. All water mains shall be plugged with a cast iron plug (or approved equal) at the end of each work day.
13. PVC pipe shall have a six (6) inch sand bedding, six (6) inches of sand on each side of the pipe and twelve (12) inches of sand over the top of the pipe
14. When PVC pipe is used, a twelve gauge single strand wire or tracer tape, blue in color, shall be installed in the backfill material twenty-four (24) inches above the top of the pipe in accordance with the manufactureer's recommendations.
15. Water lines shall be disinfected in accordance with the current AWWA Standards.
16. The contractor shall provide a Trench Safety Plan and be responsible for field verifying all existing utility locations prior to his work.
17. The contractor needs to obtain and keep a copy of city of plano STANDARD CONSTRUCTION DETAILS on the job site at all times.

STATE OF TEXAS
ROBERT C. BELL
46917
REGISTERED PROFESSIONAL ENGINEER
Robert C. Bell
3/27/95

WATERLINE PLAN

MORGAN LAKE ESTATES

CITY OF CELINA, TEXAS

THE NELSON CORPORATION
PLANNING ENGINEERING SURVEYING
1600 REDBUD SUITE 302 McKINNEY, TEXAS (214)542-0853

DESIGN	DRAWN	DATE	SCALE	FILE	SHEET NO.
TNC	TNC	FEB. 1995	1"=100	94083.10	19

P-199502-01

THE NELSON CORPORATION • DALLAS, TEXAS

GENERAL NOTES:

1. Prior to beginning construction, the contractor shall be responsible for field verifying the location of any utilities that may be in conflict with the construction. The contractor shall be responsible for protecting all existing utilities. Damaged utilities shall be repaired by the Contractor at no extra expense to the Owner.

2. The contractor shall be responsible for providing and maintaining all necessary warning and safety devised to protect the public safety and health until all work has been completed and accepted.

3. The contractor shall conform with Occupational Safety and Health Administration (OSHA) safety regulations.

4. The contractor shall abide by all applicable federal, state and local laws governing excavation. Trench side slopes shall meet OSHA standards. Shutting, shoring and bracing shall be required when side slope standards are no met. A pull box, meeting OSHA standards, will be acceptable. The contractor shall be required to submit detailed plans to the Design Engineer showing how OSHA Standards for excavation shall be met. The plans shall be sealed by an Engineer registered by the State of Texas.

5. All construction and materials testing unless otherwise indicated, shall be performed by an Engineering Testing Laboratory employed by the Owner. The testing laboratory shall be approved by the Design Engineer. The testing laboratory shall make tests necessary to insure that construction is in accordance with the approved plans and specifications. Retesting required due to construction not being performed in accordance with the plans and specifications shall be at the expense of the contractor. The testing laboratory shall submit testing reports to the Owner and Design Engineer.

6. Survey staking for construction shall be performed by the Design Engineer at the Owner's expense. However, any restaking shall be at the contractor's expense. The contractor shall notify the Design Engineer 48 hours prior to when staking is needed.

7. The contractor shall be responsible for protecting all trees outside street right-of-way or those trees within street right-of-way tagged by the Owner to be protected.

CLEARING AND GRADING GENERAL NOTES:

1. Site Preparation: All surface vegetation and the foreign materials such as timber, logs, tress, grass, roots, etc., shall be stripped and removed. All cleared and grubbed materials shall be burned or removed off-site in accordance with local, state and federal regulations. NOTE: Some trees within street right-of-way may be tagged by the Owner to remain. Prior to beginning clearing, the contractor shall be responsible for verifying with the Owner selected trees have been tagged.

2. Scarifying Area to be Filled: In areas where fills are desired, the stripped surface shall be scarified to a depth of at least six inches for uniform compaction. The scarified surface shall be such that it is free from lumps and uneven surfaces.

3. Compacting Area to be Filled: After clearing and scarifying the area to be filled, the soils shall be brought to a moisture content between optimum and five (5) percent above the optimum moisture value and compacted mechanically to at least 95 percent of Standard Proctor maximum dry density (ASTM D 698).

4. Fill Material: On-site soil and/or rock could be used as random fill provided such material is free from vegetation and other deleterious substances. No fill material shall contain rocks or lumps having diameter larger than 6 inches.

5. Depth and Mixing of Fill Layers: The fill materials shall be placed in 6" level, uniform layers. Each layer shall be thoroughly blade mixed during spreading to insure uniform compaction. These materials shall be placed in loose lifts with density and in-situ moisture content shall conform to that specified for random fill.

6. Compaction of Fill Layer: Compaction equipment shall be capable of compacting all fill soils to the specified density. Compaction of all fill shall be accomplished with the material at the specified moisture content. Each fill layer shall be compacted uniformly with sufficient effort to achieve the specified degree of compaction.

7. Amount of Compaction: After each fill layer has been placed, mixed and spread evenly, it shall be thoroughly compacted to a minimum 95 percent of the Standard Proctor density (ASTM D 698).

8. Moisture Content: All fill material shall be compacted at the appropriate moisture content as defined for the particular soil or rock type. Each layer shall be brought to the proper moisture content as determined by ASTM D 698, between optimum and five (5) percent above the optimum moisture value. The compaction moisture content of limestone on other rock-like materials is not considered crucial provided the proper degree of compaction is attained.

9. Slope Control: In areas where cut or fill slopes exceed three (3) feet in depth/height, a slope ratio of one (vertical) to three (horizontal) shall not be exceeded. Compaction operations of fill slopes shall be continued until the slopes are stable.

10. Field Density: Field density tests of fill and/or backfill shall be controlled by an Engineering testing Laboratory. Density tests shall be taken in the compacted material below the disturbed surface. When these test indicate that the density or any layer of fill is below the required density, the particular soil or rock layer shall be reworked until the proper density and/or moisture content is achieved.

11. Tolerance for Rough Grading: Streets shall be rough graded within 0.2' of plan grades prior to utility construction. Utility contractor shall return street to within 0.2' of excavation contractor's rough grade prior to street paving.

12. Supervision: Supervision by the Soils Engineer shall be of such continuity during the grading operations that he can adequately describe the work done and evaluate that work in comparison with the specifications. Actual supervision shall be the Contractor's Supervisor.

13. Reports: The Testing Laboratory shall send one (1) copy of each test, inspection or evaluation report to the Owner and Design Engineer.

PAVING GENERAL NOTES:

1. Concrete for paving shall be Texas Department of Transportation Class A, 5 sack mix; 3,000 PSI @ 28 days compressive strength. Pozzolans may be added to improve the workability of the concrete, but the specified maximum water to cement ratio shall not be exceeded. Fly ash shall not be used in any of the concrete on this project.

2. Reinforcing steel shall be 60 ksi.

3. Concrete street pavement, where indicated on the plans, shall be 6" - 3,000 PSI compressive strength with No. 3 bars, 24" on center both ways constructed in conformance with Standard Specifications Item 5.8.

4. Asphalt street pavement, where indicated on the plans, shall be 2 Course Asphalt Treatment on 6" Class 1, Grade 2 Flexible base course constructed in conformance with TXDOT Specifications.

5. Where the soil plasticity index (PI.) is 15 or greater, the subgrade shall be treated with lime slurry. Lime slurry shall be Type B, Grade 1 and applied in accordance with Standard Specifications Item 4.6. Lime shall be applied at a rate of 7% of the dry weight of soil. Compaction of the lime stabilized subgrade shall be to 95% Standard Proctor density.

DRAINAGE GENERAL NOTES:

1. Reinforced concrete pipe shall conform to ASTM C76, Class III in accordance with Standard Specifications Section 2.12.3.1.

2. Precast reinforced concrete box sections may be used in accordance with Standard Specifications Section 2.12.3.2.

3. Concrete for structures shall be in accordance with Standard Specifications Item 7.4 (Class of concrete specified on plans).

4. All steel reinforcement for concrete structures shall be in conformance with Standard Specifications Section 22.6.

5. Concrete structures shall be constructed in conformance with Standard Specifications Item 7.6.

EROSION CONTROL SPECIFICATIONS

1. The Grading Contractor shall provide and maintain erosion control devices in the areas indicated on the Erosion Control Plan and any other areas as directed by the Owner's representative.

2. The Utility Contractor shall provide and maintain an erosion control device around all openings into the storm sewer system to project completion and as directed by the Owner's representative.

3. The Paving Contractor shall provide a temporary inlet sediment filter for each inlet, and shall provide and maintain all erosion control devices as indicated on the Erosion Control Plan and as directed by the Owner's representative.

4. Upon completion of fine grading, all street parkways shall be seeded, fertilized and maintained by the Paving Contractor in accordance with the City of Plano ordinances and specifications items 3.10, 3.11 and 3.12, or any amendments to these specifications. Grass shall be mowable before project will be considered for acceptance by the City of Celina.

5. The Electrical Utility, Natural Gas, Telephone, and Cable TV Contractor shall re-establish any previously established erosion control measure or device that is disturbed by their construction, including vegetative cover.

6. Site entry and exit locations shall be maintained in a condition which will prevent tracking or flowing of sediment onto public roadways. All sediment spilled, dropped, washed or tracked onto a public roadway must be removed immediately. When washing is required to remove sediment prior to entrance to a public roadway, it shall be done on an area stabilized with crushed stone which drains into an approved sediment basin. All fines imposed for tracking onto public roads shall be paid by the Contractor.

7. Temporary seeding or other method of stabilization shall be initiated within 14 days of the last disturbance on any area of the site, unless additional construction on the area is expected within 21 days of the last disturbance.

8. Seeding for permanent vegetative cover shall be initiated upon completion of fine grading by Paving and Grading Contractor, see Final Stabilization.

9. Erosion control devices may be added or reduced in the field as directed by the Owner's representative.

10. INSPECTION - The Contractor or Owner's representative shall conduct inspections of all erosion controls provided in the SWPPP at a minimum of once every seven calender days and within 24 hours of the end of a rain of 0.5 inches or greater. When field inspection reveals an inadequacy in erosion control measures, the SWPPP shall be revised and erosion control measures shall be upgraded within seven calender days.

11. MAINTENANCE - Erosion controls shall be repaired or replaced as inspection deems necessary or as directed by the Owner's representative. Accumulated silt at any erosion control device shall be removed when it reaches a depth of 6", and shall be distributed on site in a manner not contributing to additional siltation.

12. The Contractor is responsible for re-establishing any erosion control device which he disturbs. Each Contractor shall notify the Owner's representative of any deficiencies in the established erosion control measures which may lead to unauthorized discharge of storm water pollution, sedimentation, or other surface or ground water pollutants, and excessive dust or other airborne pollutants. Unauthorized pollutants include, but are not limited to, excess concrete dumping or concrete residue, paints and overspray, solvents, greases, fuel and lube oil, pesticides, and solid waste materials.

.GRADING SPECIFICATIONS

1. All grading shall conform to the following sections of the North Central Texas C.O.G. Standard Specifications for Public Works Construction, latest edition, as applicable:

   Item 3.2 - Clearing and Grubbing
   Item 3.3 - Unclassified Street Excavation
   Item 3.4 - Parkways
   Item 3.5 - Unclassified Channel Excavation
   Item 3.6 - Borrow
   Item 3.7 - Embankment

2. Lot grading shall be completed to provide sufficient dirt on each pad to achieve the critical pad grades and spot grades on each lot. After achieving critical pad grades indicated on this plan, the contractor is to uniformly fill all pads until the preferred pad grade is met, or, fill pad grades in priority locations as indicated by the engineer.

3. Compaction performed in pad areas, streets and alleys shall be a minimum of 95% density at a moisture content of 1 to 3% wet of optimum.

4. Remove topsoil in street/alley rights-of-way and pad areas to a depth of 4". Place topsoil in front and backyard areas at the direction of the Owner's representative.

5. Finished Floor elevations are assumed to be 8" above Finished Pad elevations.

6. The Grading Contractor is to provide pad compaction testing for each 8" lift at the rate of one random test at the direction of the engineer for every four pads.

7. All lots are to be left in a smooth, bladed condition, without any severe change in slope or low spots. Minimum grade across any lot is to be 1%. Maximum slope is to be 3 : 1, unless otherwise approved in the field.

8. TOLERANCES FOR GRADING ARE:

	FINAL GRADING	ROUGH GRADING
Streets	0.2'	0.1'
Pads	0.5'	0.25'
Lot Corners	0.5'	0.25'

FINAL STABILIZATION

1. Upon completion of all soil disturbing construction, all areas not paved or covered by permanent structures or equivalent permanent stabilization measures shall be stabilized with a uniform perennial vegetative cover. For termination of industrial status of the construction site, the vegetative cover must meet a minimum density of 70%, as determined by the Owner's representative. All temporary erosion and sediment control measures must be removed.

STORM WATER DISCHARGE AUTHORIZATION

1. A Notice of Intent (NOI) shall be submitted to EPA no less than two days prior to commencement of construction activities.

2. All contractors and subcontractors providing services related to the SWPPP shall sign a Contractor Certification statement acknowledging their responsibilities as specified in the SWPPP.

3. A copy of the SWPPP, including Contractor Certifications and any Revisions, shall be submitted to the City and filed with the construction plans, and shall be retained on-site during construction.

4. A Notice of Termination (NOT) shall be submitted to EPA when the site has 100% of the disturbed areas stabilized and the site no longer has storm water discharges associated with industrial activities (construction).

NOTE:

"STANDARD SPECIFICATIONS" USED IN THESE PLANS SHALL BE NORTH CENTRAL TEXAS C.O.G. STANDARDS SPECIFICATION.

REVISION	DATE	DESCRIPTION	DRAWN BY	CHECKED BY

STATE OF TEXAS
ROBERT C. BELL
46947
PROFESSIONAL ENGINEER
Robert C Bell
3/27/95

GENERAL NOTES
MORGAN LAKE ESTATES
CELINA, TEXAS

THE NELSON CORPORATION
PLANNING ENGINEERING SURVEYING
5999 SUMMERSIDE DRIVE SUITE 202 DALLAS, TEXAS 75252 (214) 380-2605

DESIGN	DRAWN	DATE	SCALE	FILE	SHEET NO.
TNC	TNC	FEB.,1995	NONE	98083.10	21

P-199502-01