

CLEVELAND AVE.

28-149

PLAN SYMBOLS

STATE LINE
COUNTY LINE
TOWNSHIP OR RANGE LINE
SECTION LINE
QUARTER LINE
SIXTEENTH LINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
PROPERTY LINE
CORPORATE OR CITY LIMITS
RETAINING WALL
RAILROAD
RAILROAD RIGHT-OF-WAY
RIVER OF CREEK
CULVERT
GUARDRAIL
BARBED WIRE FENCE
WOVEN WIRE FENCE
CHAIN LINK FENCE
STONE WALL
HEDGE
RAILROAD CROSSING SIGN
CROSSING GATE
MEANDER CORNER
SLOPE EASEMENT (CONST. LIMITS)

MARSH
DECIDUOUS TREE
CONIFEROUS TREE
WOODS
CATCH BASIN
BRIDGE
IRON PIPE OR ROD
MONUMENT (STONE, CONCRETE OR METAL)
WOODEN HUB

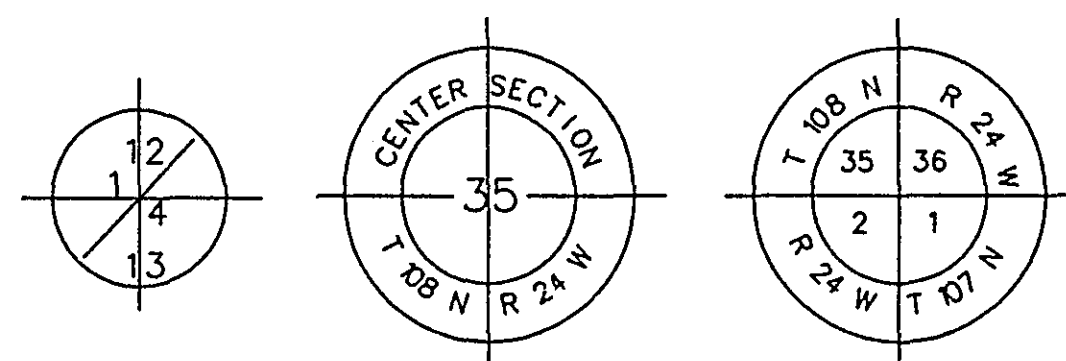
UTILITY SYMBOLS

UTILITY POLE
GUY OR ANCHOR
STREET LIGHT
TELEPHONE PEDESTAL
GAS MAIN
WATER MAIN
TELEPHONE VAULT
ELECTRIC VAULT
BURIED TELEPHONE CABLE
BURIED ELECTRIC CABLE
SEWER SANITARY
SEWER STORM
SEWER MANHOLE
GATE VALVE
CONTROLLER CABINET
EXISTING HYDRANT
BURIED TV CABLE

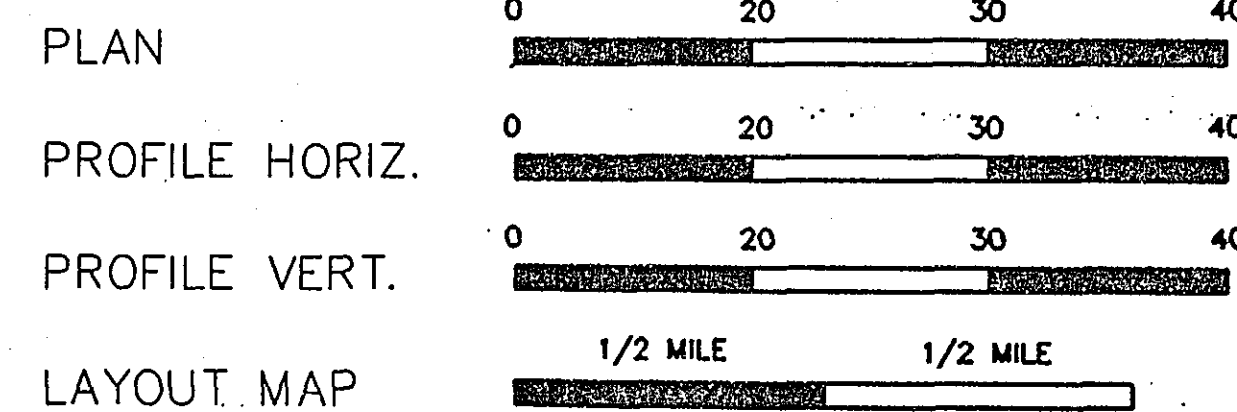
FOR PLANS AND UTILITIES SYMBOLS SEE
MN/DOT TECHNICAL MANUAL.

-GOVERNING SPECIFICATIONS-

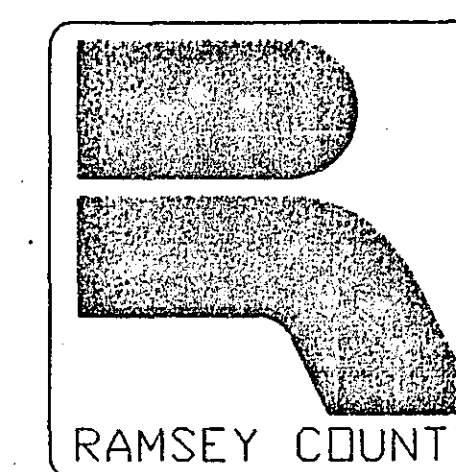
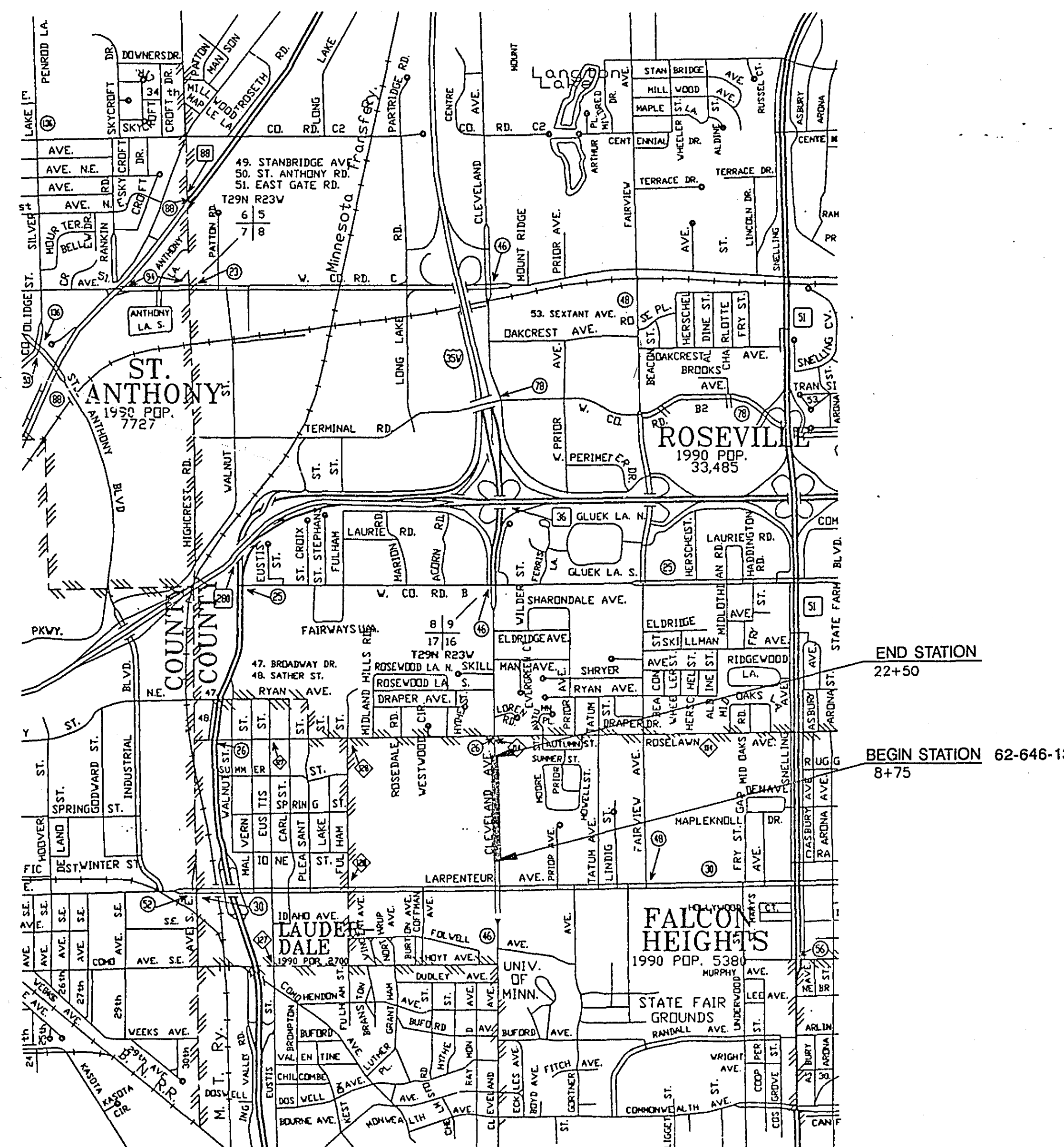
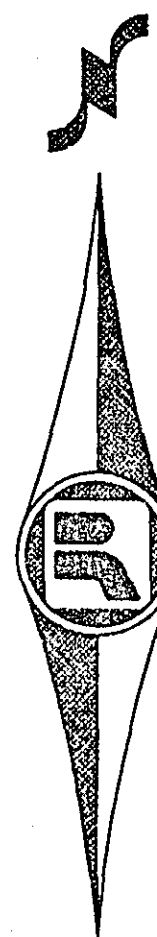
THE 1988 EDITION OF THE MINNESOTA DEPARTMENT
OF TRANSPORTATION "STANDARD SPECIFICATION FOR
CONSTRUCTION" AS AMENDED BY SUPPLEMENTAL
SPECIFICATIONS, DATED JANUARY 2, 1991, SHALL
GOVERN.



SCALES



GROSS LENGTH 1375 FEET 0.26 MILES
EXCEPTIONS 0 FEET 0.0 MILES
NET LENGTH 1375' FEET 0.26 MILES



RAMSEY COUNTY
DEPARTMENT OF PUBLIC WORKS
CONSTRUCTION PLAN FOR: LANDSCAPE

CLEVELAND AVENUE

C.S.A.H. 46

BETWEEN: LARPEUR AVENUE (C.S.A.H. 30) & ROSELAWN AVENUE (C.S.A.H. 26)
FROM: A POINT 800 FEET NORTH OF LARPEUR AVENUE
TO: A POINT 400 FEET SOUTH OF ROSELAWN AVENUE

S.A.P. NO. 62-646-13

ACCOUNT NO. **47530**

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	ESTIMATED QUANTITIES AND CONSTRUCTION NOTES
3	TYPICAL SECTIONS
4-6	PLAN & PROFILE SHEETS

THIS PLAN SUBJECT TO MINOR REVISIONS

DESIGN SQUAD _____ DATE _____
DRAWN BY _____ DATE _____
CHECKED BY _____ DATE _____

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT
SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE
LAWS OF THE STATE OF MINNESOTA.
Robert H. L. REG. NO. **10729** DATE **3-14-94**

RAMSEY COUNTY
RECOMMENDED FOR APPROVAL *D.E. Sol* DATE **3-14-94**
TRAFFIC ENGR.
RECOMMENDED FOR APPROVAL _____ DATE _____
ENR. ENGR.
RECOMMENDED FOR APPROVAL *2918* DATE **3-15-94**
MAINT. ENGR.
RECOMMENDED FOR APPROVAL *R.H.P.* DATE **3-14-94**
COMST. ENGR.
RECOMMENDED FOR APPROVAL *D.J. M.* DATE **3-15-94**
DESIGN ENGR.
RECOMMENDED FOR APPROVAL _____ DATE _____
R.O.W. ENGR.
RECOMMENDED _____ DATE _____
COORDINATING ENGR.
RECOMMENDED _____ DATE _____
PROGRAM ENGR.

RECOMMENDED FOR APPROVAL *Paul K.* DATE **3-15-94**
COUNTY ENGINEER
APPROVED *Hal Hngard* DATE **10/11/94**
CHAIR OF THE RAMSEY COUNTY BOARD
APPROVED *C.* DATE **4/19/94**
CITY OF FALCON HEIGHTS

DESIGN DESIGNATION

CURRENT ADT 8,750
20 YEAR PROJECTED ADT 13,125
FUNCTIONAL CLASS ARTERIAL - LOW DENSITY
TRAFFIC LANES 2
PARKING LANES 0
DESIGN LOAD 10 TON
STABILOMETER "R" VALUE N/A
≥ N18 25YEAR N/A
DESIGN SPEED 40 MPH

BASED ON STOPPING DISTANCE
HEIGHT OF EYE: 3.50 FEET
HEIGHT OF OBJECT: 0.50 FEET

NOTE: ROADWAY CONSTRUCTED UNDER
SAP 62-646-08 WHICH WAS APPROVED
BY THE OFFICE OF STATE AID ON MAY 7,
1992.

PLAN REVISIONS		
DATE	SHEET NO. & DESCRIPTION	BY

MINNESOTA DEPARTMENT OF TRANSPORTATION

RECOMMENDED FOR APPROVAL *Mark G.* DATE **4-26-94**
STATE AID PLANS & SPEC. ENGR.
RECOMMENDED FOR APPROVAL *Mark G.* DATE **4/21/94**
METRO-ASST. DIVISION ENGINEER-STATE AID
APPROVED *Julie Skallman* DATE **4/27/94**
STATE AID ENGINEER

S.A.P. No. 62-646-13

Sheet No. 1 of 6 Sheets

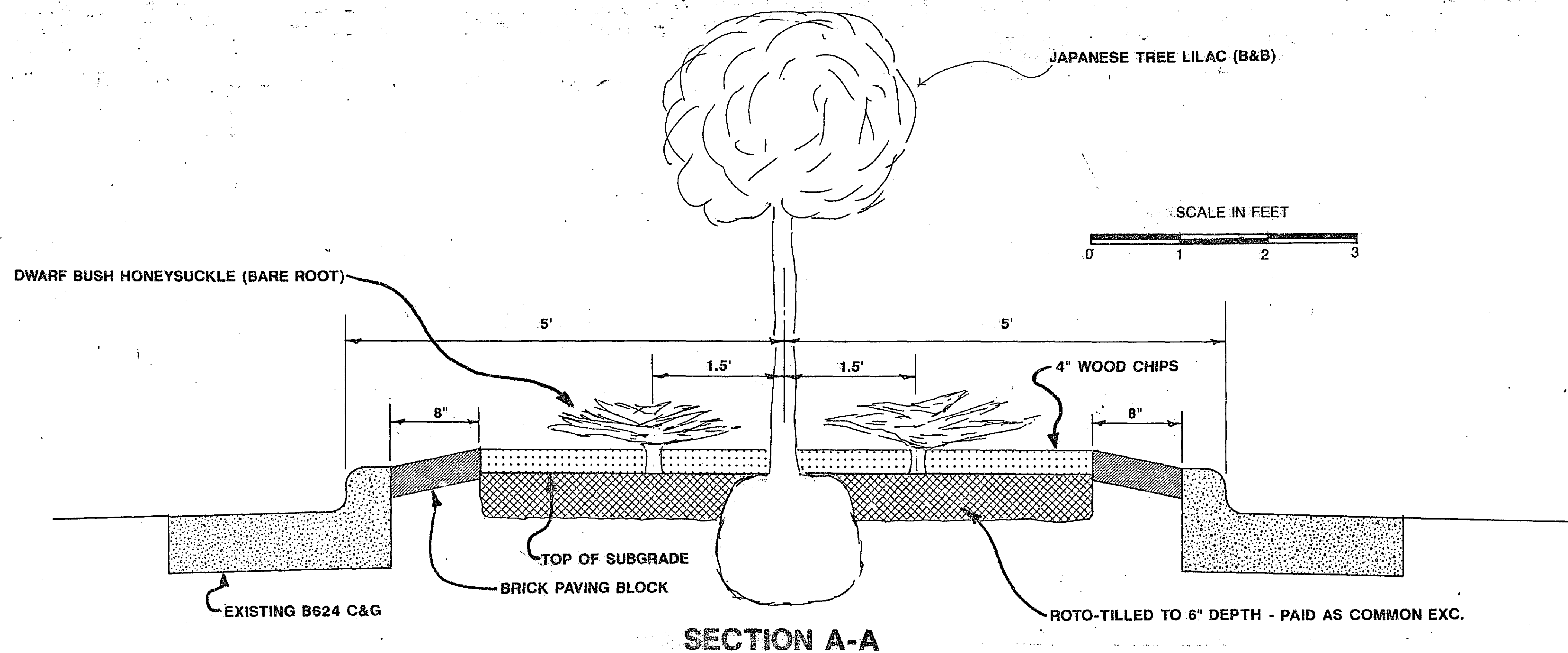
STATEMENT OF ESTIMATED QUANTITIES			
ITEM NO.	CONTRACT ITEM	UNIT	QUANTITY
2021.501	MODILIZATION (5% MAX.)	L.S.	1
2105.501	COMMON EXCAVATION	C.Y.	207
0105.612	4" WOOD CHIP PLACEMENT	S.F.	11,700
0521.602	BRICK PAVING BLOCK	S.F.	1750
0563.601	TRAFFIC CONTROL	L.S.	1
2571.502	F & P JAPANESE TREE LILAC (B&B)	TREE	45
2571.504	F & P DWARF BUSH HONEYSUCKLE (BARE ROOT)	SHRUB	858

① PLANTING AREAS SHALL BE ROTO-TILLED TO A DEPTH OF 6" AND ALL DEBRIS REMOVED. THIS SHALL BE INCIDENTAL TO COMMON EXC.

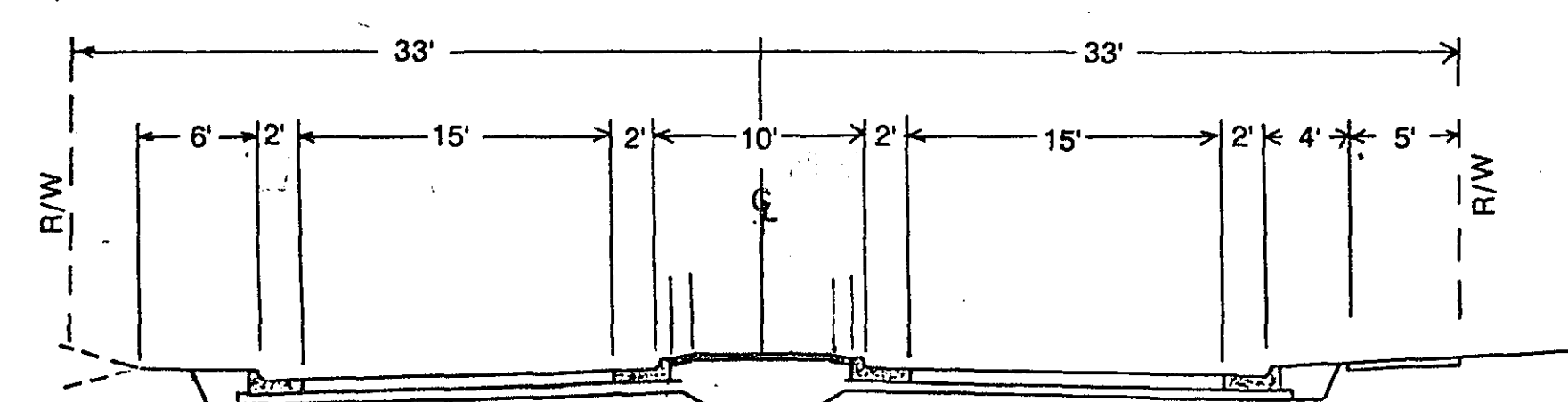
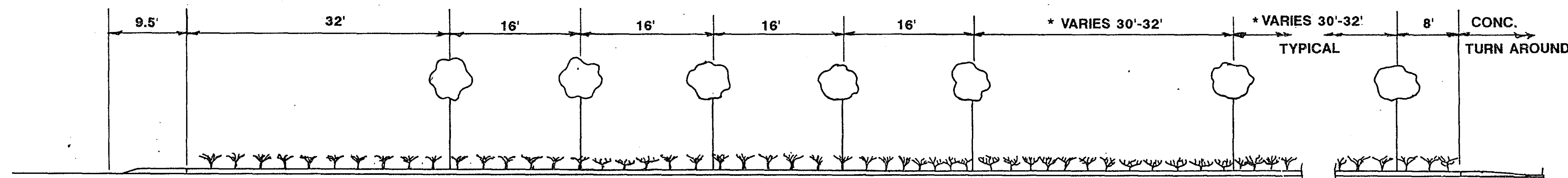
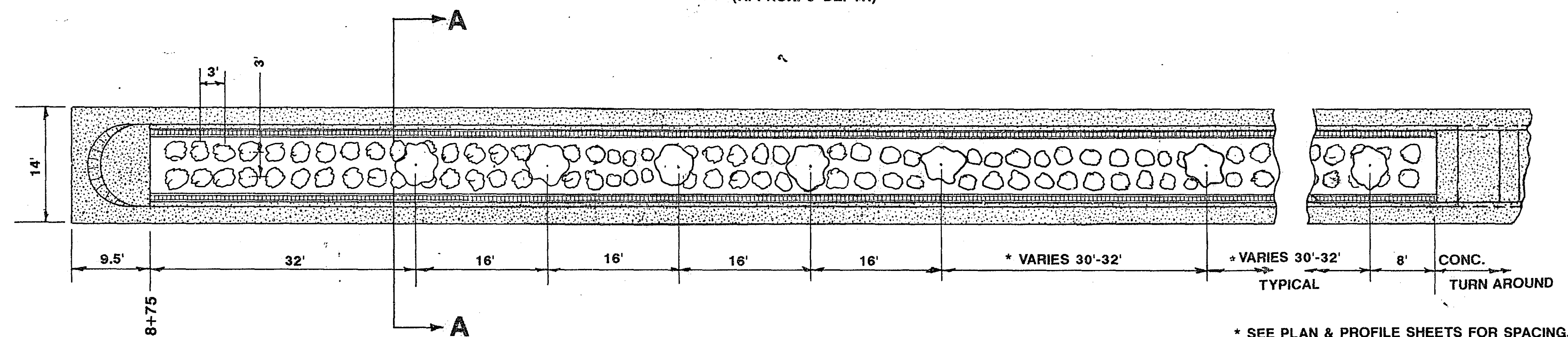
② THE CONTRACTOR SHALL MAINTAIN THE WORK AND CARE FOR PLANTS INSTALLED UNTIL RELIEVED OF THIS RESPONSIBILITY AT THE END OF THE PLANT ESTABLISHMENT PERIOD, WHICH SHALL BE TWO CALENDAR YEARS FROM THE DATE THE INITIAL INSTALLATION OF ALL PLANTS IS COMPLETED.

③ ALL TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE MINNESOTA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, INCLUDING APENDIX "B", DATED NOVEMBER 1992.

STANDARD PLATES	
THE FOLLOWING STANDARD PLATES, APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION, SHALL APPLY ON THIS PROJECT	
PLATE NO.	DESCRIPTION
0005 A	SPECIFICATION REFERENCE TO STANDARD PLATES
8000 I	STANDARD BARRICADES



EXISTING 4" P. E. PIPE DRAIN
(APPROX. 3' DEPTH)

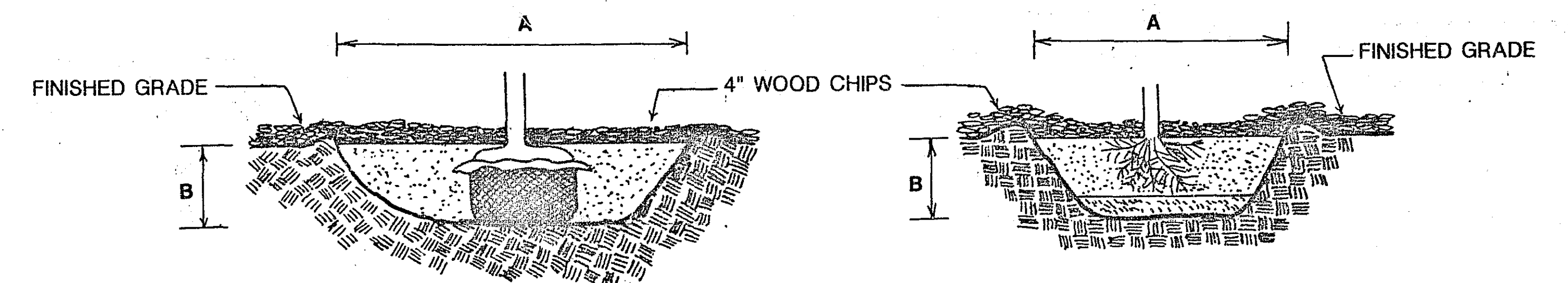


CLEVELAND AVE. STA. 8+75 - 22+50

TYPICAL SECTION

NOTE: 1.5' OBSTACLE FREE CLEAR ZONE
REQUIRED FROM FACE OF CURB.

PLANTING HOLE DIMENSIONS (MINIMUM WIDTH DOES NOT APPLY IN MASS PLANTING BEDS)			
PLANT TYPE	PLANT SIZE	HOLE WIDTH (MIN INCHES - "A")	HOLE DEPTH (APPROX. IN. - "B")
JAPANESE TREE LILAC (B&B)	1-1/2"	84	19
DWARF BUSH HONEYSUCKLE (B.R.)	18" B.R.	30	8



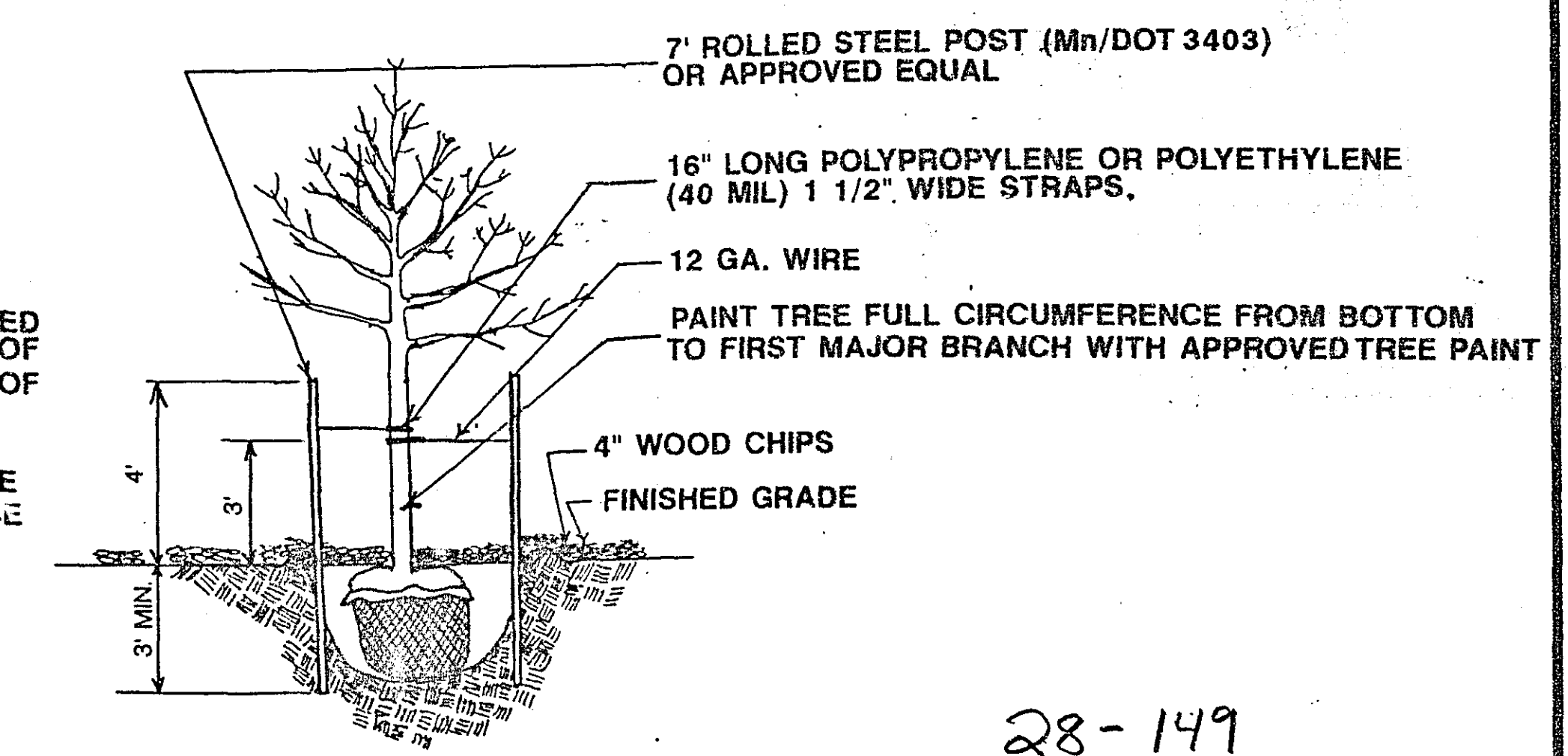
BALLED & BURLAPPED
STOCK

BARE ROOT
STOCK

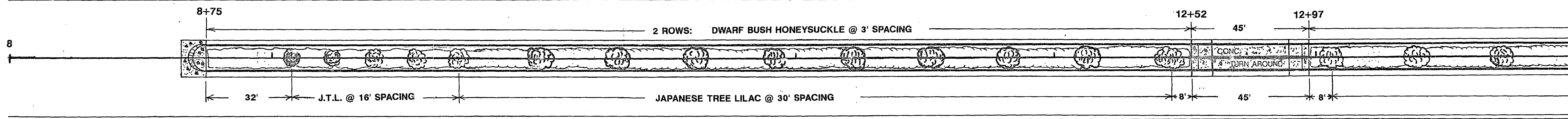
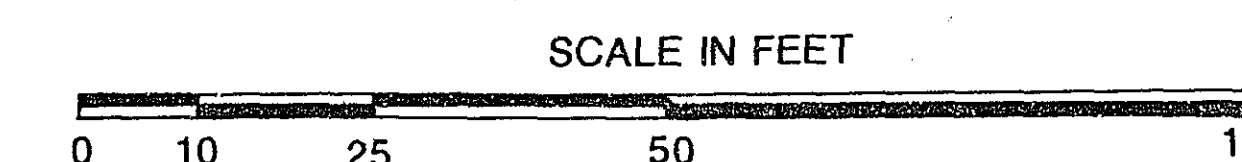
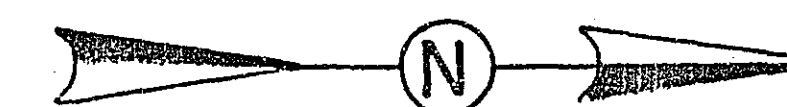
1. SCARIFY SIDES AND BOTTOM OF HOLE.
2. PROCEED WITH CORRECTIVE PRUNING AS DIRECTED BY ENGINEER.
3. SET PLANT ON UNDISTURBED NATIVE SOIL, OR THOROUGHLY COMPACTED BACKFILL SOIL.
4. PLANT SHALL BE PLACED IN PLANTING HOLE WITH BURLAP AND WIRE BASKET, IF USED, INTACT. ONCE IN PLACE, THE PLANT SHALL BE BACKFILLED TO WITHIN 12" OF THE TOP OF THE ROOTBALL AND WATERED. THE TOP LOOPS OF THE WIRE BASKETS SHALL BE REMOVED AND THE BURLAP SHALL BE FOLDED OR CUT BACK.
5. PLUMB AND BACKFILL WITH THE BACKFILL SOIL SPECIFIED.
6. APPLY WATER TO SETTLE PLANTS AND FILL VOIDS THEN CONSTRUCT 3" DEPTH WATERING BASIN.
7. WATER THOROUGHLY WITHIN 2 HOURS.
8. PLACE WOOD CHIPS WITHIN 48 HOURS OF THE SECOND WATERING UNLESS SOIL MOISTURE IS EXCESSIVE.
9. BIODEGRADABLE TWINE MAY BE LEFT ON AS SUPPORT BETWEEN THE ROOT BALL AND ROOT COLLAR UNTIL THE END OF THE PLANT ESTABLISHMENT PERIOD AT WHICH TIME IT MUST BE CUT AND TOTALLY REMOVED FROM THE ROOT COLLAR. THE TWINE MUST BE TIED OR RETIED TO MID-LEVEL LOOPS OR POINTS ON THE BASKET. USE OF NONBIODEGRADABLE TWINE SHALL NOT BE PERMITTED.
1. SOAK ROOTS IN WATER FOR AT LEAST ONE HOUR PRIOR TO PLANTING
2. SCARIFY SIDES AND BOTTOM OF HOLE.
3. PROCEED WITH CORRECTIVE PRUNING AS DIRECTED BY ENGINEER.
4. TRANSFER PLANT DIRECTLY FROM WATER TO HOLE. PLUMB AND IMMEDIATELY BACKFILL WITH THE BACKFILL SOIL SPECIFIED.
5. APPLY WATER TO SETTLE PLANTS AND FILL VOIDS THEN CONSTRUCT 3" DEPTH WATERING BASIN.
6. WATER THOROUGHLY WITHIN 2 HOURS.
7. PLACE WOOD CHIPS WITHIN 48 HOURS OF THE SECOND WATERING UNLESS SOIL MOISTURE IS EXCESSIVE.

NOTES:

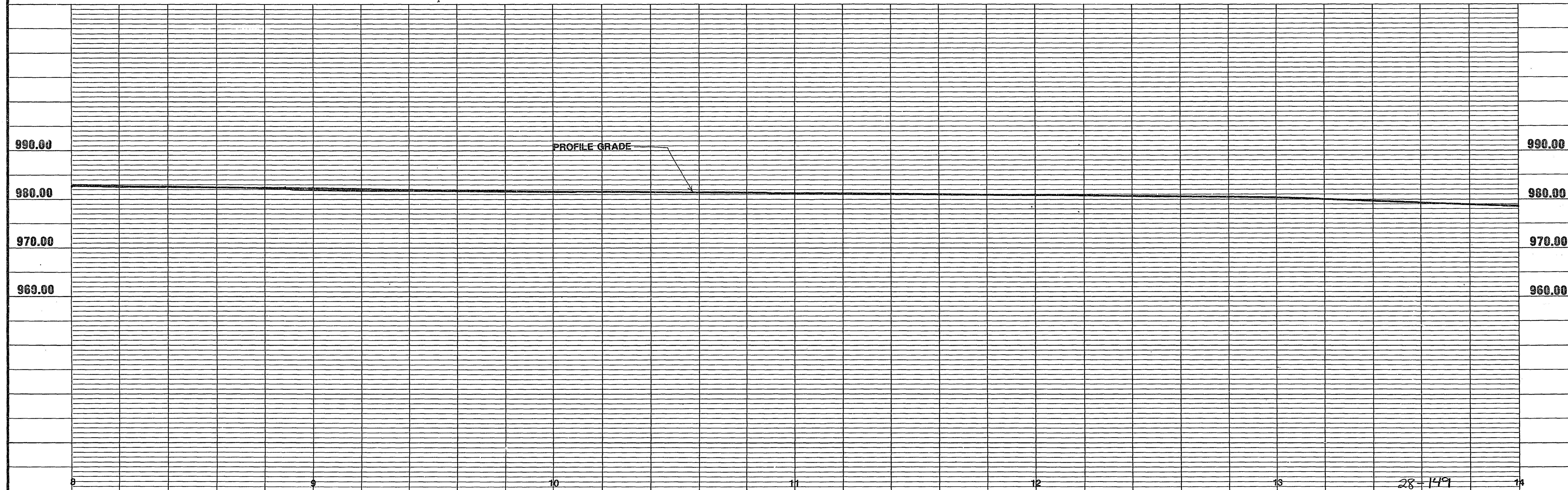
1. STEEL POSTS TO BE NOTCHED OR DRILLED TO RETAIN GUY WIRES. PLACE OUTSIDE OF ROOT BALL. DRIVE PLUMB REGARDLESS OF GROUND SLOPE.
2. REQUESTS TO SUBSTITUTE RUBBER HOSE AND WIRE GUYING SYSTEMS WILL NOT BE APPROVED.



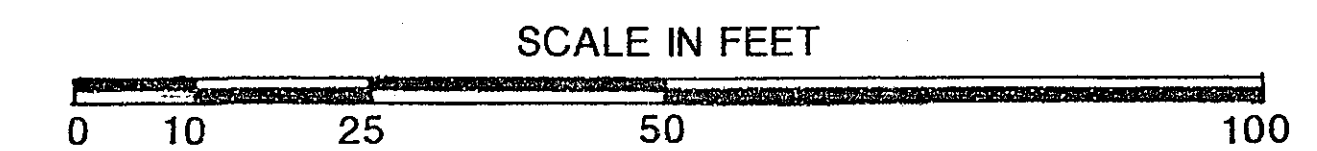
BLDG.



CLEVELAND AVENUE

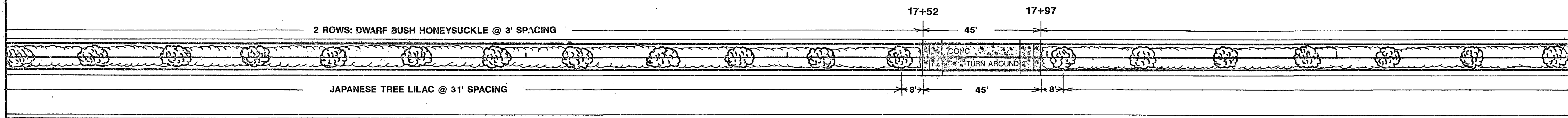


BLDG.  ELECT. TRANSFORMER 

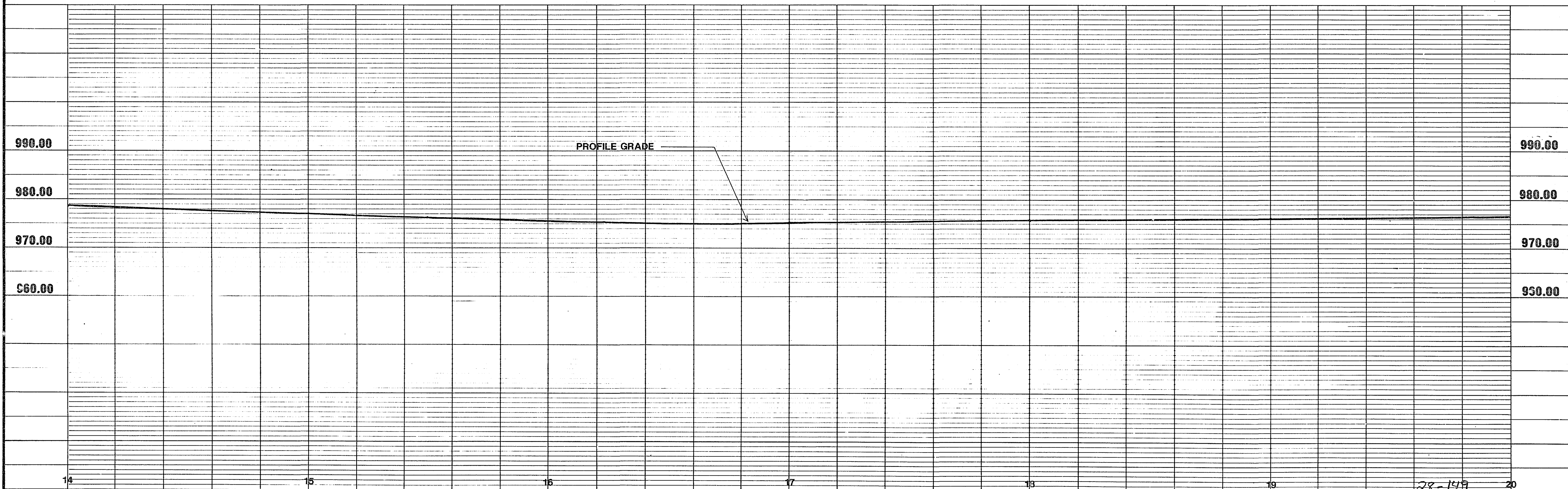


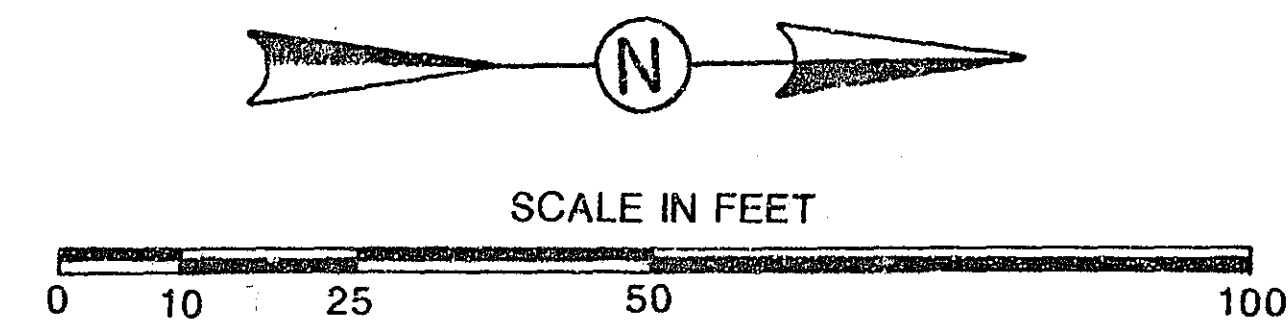
MATCH LINE A

MATCH LINE B



CLEVELAND AVENUE





ROSELAWN AVENUE

MATCH LINE B

2 ROWS: DWARF BUSH HONEYSUCKLE @ 3' SPACING

22+50

JAPANESE TREE LILAC @ 32' SPACING

J.T.L. @ 16' SPACING

32'

23

24

25

26

CLEVELAND AVENUE

