

PLEASANT STREET C.B.D. ROADWAY IMPROVEMENTS CITY OF NORTHAMPTON, MASSACHUSETTS

OCTOBER 14, 1983

PROJECT FUNDING

THIS PROJECT IS FINANCIALLY ASSISTED THROUGH A GRANT FROM THE COMMONWEALTH OF MASSACHUSETTS, PUBLIC WORKS ECONOMIC DEVELOPMENT PROGRAM, CHAPTER 732, SECTION 17(C), ACTS OF 1981.

MAYOR

DAVID B. MUSANTE, JR.

BOARD OF PUBLIC WORKS

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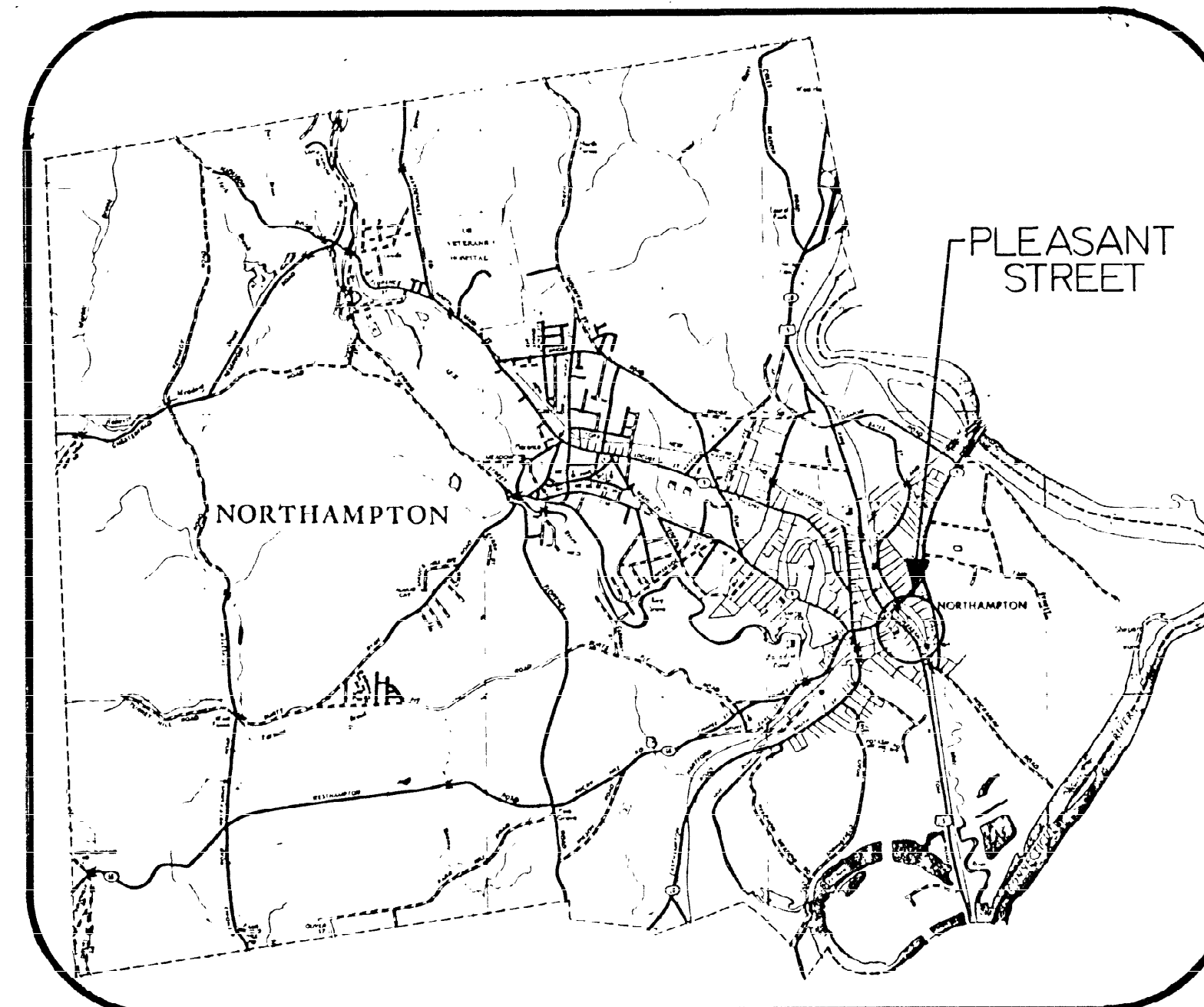
GEORGE RUSSELL

ASSISTANT DIRECTOR OF PUBLIC WORKS

PETER J. McNULTY

CONSULTING ENGINEERS/LANDSCAPE ARCHITECTS

ALMER HUNTLEY JR. & ASSOCIATES, INC.
125 PLEASANT STREET
NORTHAMPTON, MASSACHUSETTS



LOCUS

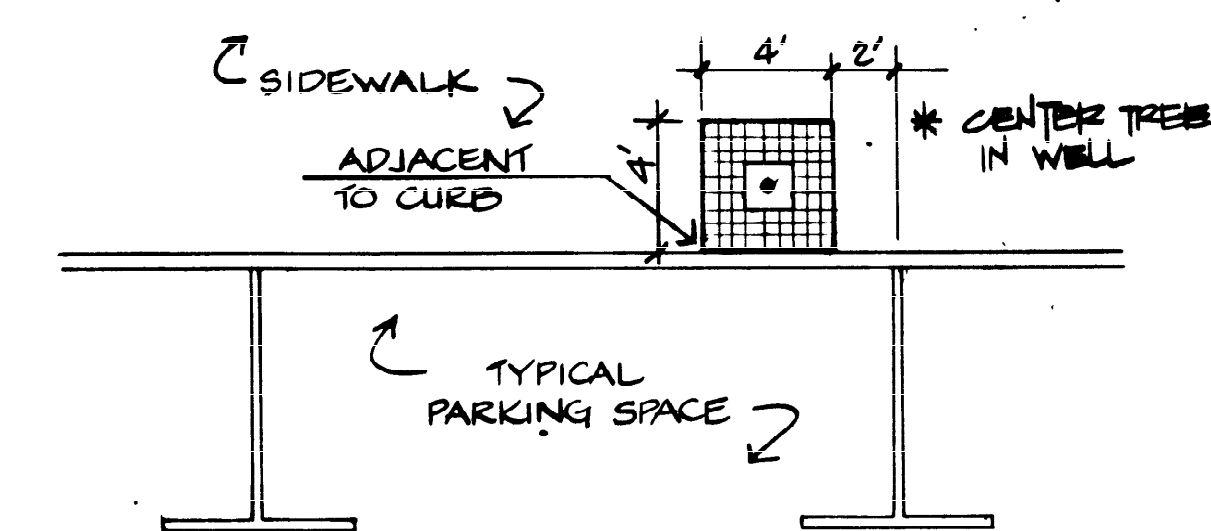
TITLE

SHEET

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COMPLETE SET: 15 SHEETS

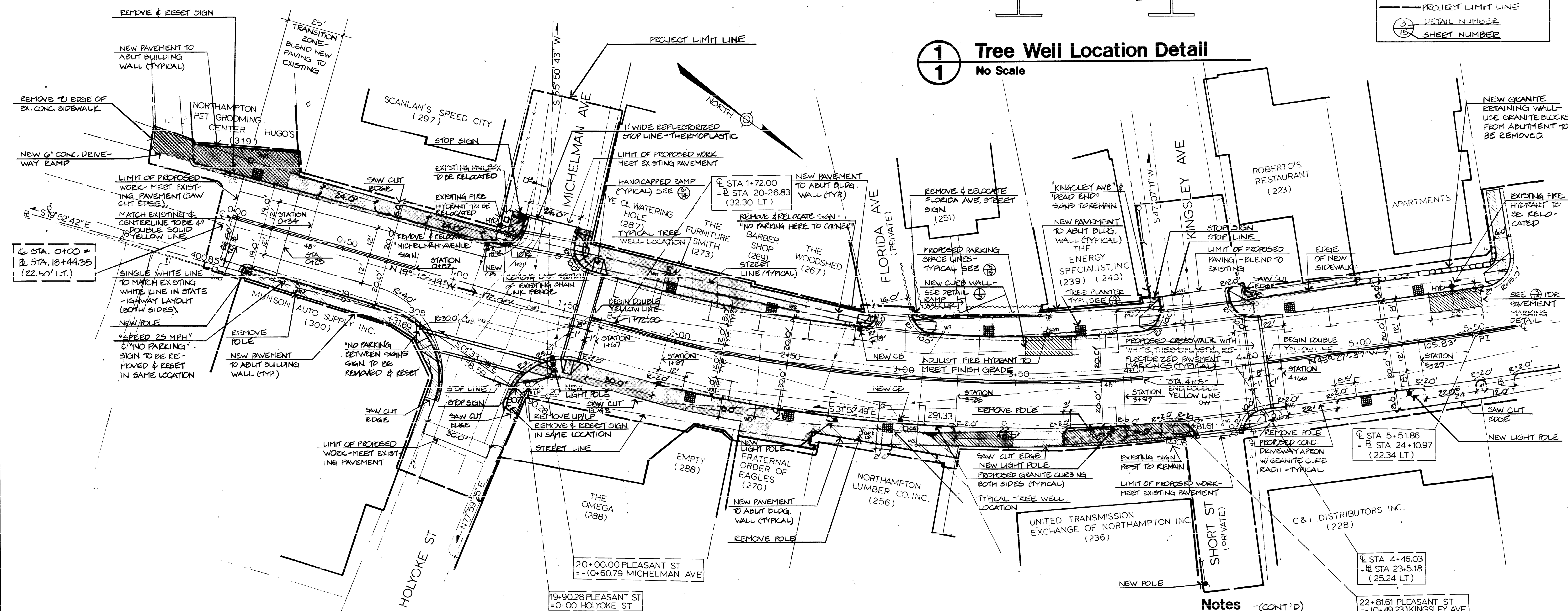
Δ 24° 09' 18"
 R= 650.00'
 T= 139.08'
 L= 274.03'
 PC= STA 1+72.00
 PT= STA 4+46.03



LEGEND

[Symbol]	REMOVE CONCRETE
[Symbol]	REMOVE BIT. CONC.
[Symbol]	REMOVE BIT. CONC. OVERLAY & CONC. SIDEWALK
[Symbol]	PROJECT LIMIT LINE
[Symbol]	DETAIL NUMBER
[Symbol]	SHEET NUMBER

1 Tree Well Location Detail
 No Scale



Curb Demolition Data

1. EXISTING GRANITE CURB TO BE RESET/STACKED	
Contractor to remove all existing granite curbing except from station 9+80 to 11+09 right, 11+40 to 13+57 right, and 14+04 to 15+37 right (Pearl Street to Main Street). Field Engineer shall determine which of existing curbing is to be reset and which is to be stacked at the City yard.	
2. EXISTING CONCRETE CURB TO BE REMOVED & DISCARDED	
RIGHT	0+10 To 1+07 (Including Corner To Tangent Point On Holyoke Street)
	6+94 To 7+07 (To PCC On Railroad Avenue)
LEFT	14+20 To 15+20 (Including Corner To Point Opposite Corner of Elderdown Shop Building)
	10+79 To 11+05
	10+13 To 10+53
3. EXISTING PRECAST CONCRETE CURB TO BE REMOVED & RESET	
LEFT	8+98 To 9+35 (On Huntley Associates Property - Remove As Individual Units and Saw-Cut To Fit)
	9+46 To 9+76
	9+87 To 9+98

- Notes**
- EXISTING CONDITIONS / DEMOLITION
- EXISTING CONDITIONS TAKEN FROM A FIELD SURVEY BY ALMER HUNTLEY, JR. & ASSOCIATES, INC., DATED FEB. 10, 1981 & FROM AVAILABLE AERIAL PHOTOGRAMMETRY. UTILITY LINE INFORMATION TAKEN FROM RECORD PLANS OF THE CITY OF NORTHAMPTON.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR THOROUGH SITE EXAMINATION TO DETERMINE THE EXTENT OF DEMOLITION TO PREPARE THE SITE FOR CONSTRUCTION.
 - CONTRACTOR MAY RE-USE EXISTING BASE FOR NEW WALKS & PAVEMENT. ENGINEER SHALL DETERMINE IN FIELD AMOUNT OF SUITABLE EXISTING BASE MATERIAL.
 - ALL UTILITIES SHALL BE LOCATED & VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO BEGINNING WORK. CONTRACTOR SHALL COORDINATE WITH APPROPRIATE UTILITY COMPANIES AND OBTAIN NECESSARY APPROVALS.
 - CONTRACTOR SHALL OBTAIN ANY & ALL NECESSARY APPROVALS BEFORE WORKING ON ANY ADJACENT PROPERTIES.
 - CARE SHALL BE TAKEN NOT TO DAMAGE ANY ITEMS DESIGNATED TO REMAIN, REPAIR OR REPLACEMENT OF DAMAGED ITEMS DESIGNATED TO REMAIN SHALL BE AT THE CONTRACTOR'S EXPENSE.
 - DISPOSAL OF PROPERTY DESIGNATED TO BE SALVAGED SHALL BE AT THE DIRECTION OF THE ENGINEER. ALL SALVAGABLE MATERIAL SHALL BE DELIVERED BY THE CONTRACTOR TO STORAGE AREAS DESIGNATED BY THE ENGINEER.
 - FOR ABANDONED CATCH BASINS - REMOVE MASONRY WITHIN 3 FEET OF PROPOSED FINISH GRADE. PLUG OLD PIPES WITH CONCRETE. FILL REMAINING CAVITY WITH SELECT MATERIAL & COMPACT TO 95% DENSITY. SALVAGE FRAMES & GRATES FOR RE-SETTING ON PROPOSED CATCH BASINS.
 - ALL EXISTING STREET, ROADWAY OR HIGHWAY TRAFFIC SIGNS IN LIMIT OF WORK SHALL BE REMOVED AND RESET.

- Notes** -- (CONT'D)
- ALL PARKING METERS TO BE REMOVED & RESET. CONTRACTOR TO SUPPLY & INSTALL NEW PARKING METER POSTS, INCLUDING FOOTING. METERS SHALL BE SUPPLIED & INSTALLED BY THE CITY.
- LAYOUT**
- ALL LINES & DIMENSIONS ARE PARALLEL OR PERPENDICULAR TO THE LINES FROM WHICH THEY ARE MEASURED, UNLESS OTHERWISE NOTED.
 - THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS & LAYOUT LOCATIONS OF ALL ITEMS, WITH THE APPROVAL OF THE ENGINEER, PRIOR TO BEGINNING WORK.
 - LOCATE & STAKE ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION, OBTAIN ANY AND ALL NECESSARY APPROVALS.
 - ALL MATERIALS & CONSTRUCTION METHODS SHALL CONFORM TO THE CONSTRUCTION STANDARDS & SPECIFICATIONS OF THE CITY OF NORTHAMPTON DEPARTMENT OF PUBLIC WORKS.
 - ALL CROSSWALKS & STOP LINES SHALL BE 12' WIDE, WHITE, REFLECTORIZED, THERMOPLASTIC, STOP LINES SHALL BE PARALLEL TO CROSSWALKS.
 - ALL STOP SIGNS SHALL BE TYPE R1-1 30"x30" STANDARD STOP SIGN WITH TYPE P-5 BREAKAWAY POST. WHERE STOP SIGN IS NOT DIMENSIONED, IT SHALL ALIGN WITH STOP LINE.

Notes -- (CONT'D)

- SEE DETAIL (2) FOR TYPICAL CONC. PAVEMENT SCORING. EXPANSION JOINTS SHALL OCCUR 26' O.C. MAX.
- ALL NEW CONC. WALKS EXCEPT WHERE NOTED ON PLAN SHALL BE BUFF COLORED CONC. TO MATCH THAT ON MAIN ST. CONC. WALKS. SUBMIT SAMPLE TO ENGINEER FOR APPROVAL BEFORE BEGINNING WORK.
- NEW 4"x8" ELASTIC BRICK PAVERS SHALL MATCH THOSE ALREADY EXISTING ON PLEASANT STREET & MAIN STREET.
- PROPOSED BENCHES SHALL BE VICTORIAN BENCH MODEL 1876 BY BENCH MFG. CO. OR APPROVED EQUAL, 6' LONG, BLACK CAST IRON. CONTRACTOR TO SUBMIT TAMPER-PROOF ANCHORING DETAIL SHOP DRAWING.
- SEE UTILITY PLANS FOR ALL UTILITY REMOVALS/RELOCATIONS, CATCH BASIN REMOVALS, NEW CATCH BASINS.
- WRITTEN DIMENSIONS SHALL PREVAIL. ANY DISTURBED AREAS NOT DESIGNATED AS PAVEMENT OR PLANTING BED SHALL BE LOANED & SEEDED.

DESIGN: TLC	CHECKED: RMK
DRAFTING: JHF	APPROVED:
NO.	DATE
	REVISIONS
	BY

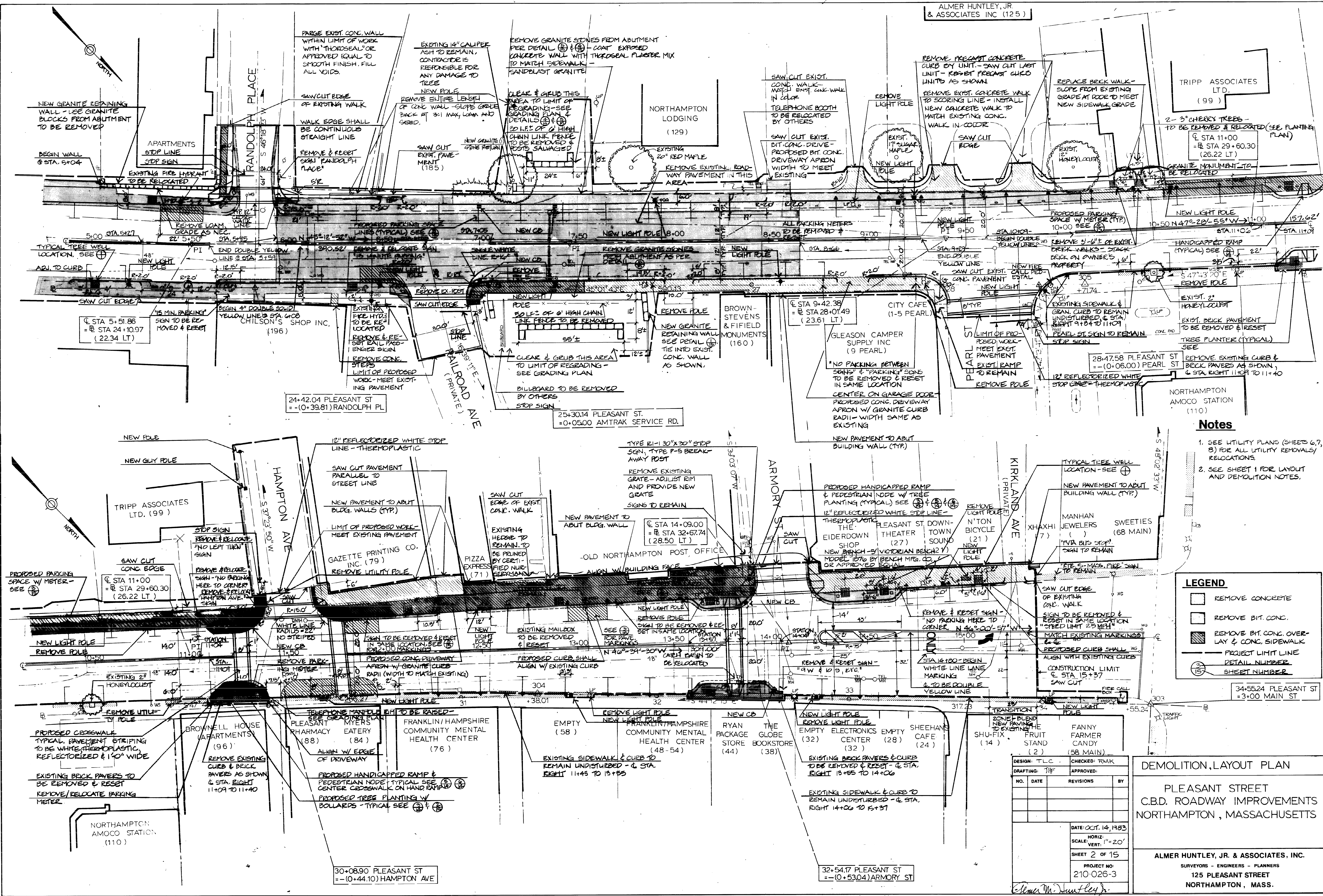
DATE: OCT. 14, 1983
 SCALE: HORIZ. 1"=20'
 VERT.:
 SHEET 1 OF 15
 PROJECT NO: 210-026-3

DEMOLITION, LAYOUT PLAN

PLEASANT STREET
 CBD ROADWAY IMPROVEMENTS
 NORTHAMPTON MASSACHUSETTS

ALMER HUNTLEY, JR. & ASSOCIATES, INC.
 SURVEYORS - ENGINEERS - PLANNERS
 125 PLEASANT STREET
 NORTHAMPTON, MASS.

TRIPP ASSOCIATES LTD. (99)



Notes

1. SEE UTILITY PLANS (SHEETS 6, 7, 8) FOR ALL UTILITY REMOVALS/RELOCATIONS.
2. SEE SHEET 1 FOR LAYOUT AND DEMOLITION NOTES.

LEGEND

- REMOVE CONCRETE
- REMOVE BIT. CONC.
- REMOVE BIT. CONC. OVERLAY & CONC. SIDEWALK
- PROJECT LIMIT LINE
- DETAIL NUMBER
- SHEET NUMBER

DEMOLITION, LAYOUT PLAN

PLEASANT STREET
C.B.D. ROADWAY IMPROVEMENTS
NORTHAMPTON, MASSACHUSETTS

ALMER HUNTLEY, JR. & ASSOCIATES, INC.
SURVEYORS - ENGINEERS - PLANNERS
125 PLEASANT STREET
NORTHAMPTON, MASS.

DESIGN: T.L.C.	CHECKED: R.M.K.
DRAFTING: J.H.F.	APPROVED:
NO.	DATE
REVISIONS	BY
DATE: OCT. 14, 1983	
HORIZ. SCALE: 1"=20'	
VERT. SCALE: 1"=20'	
SHEET 2 OF 15	
PROJECT NO. 210-026-3	

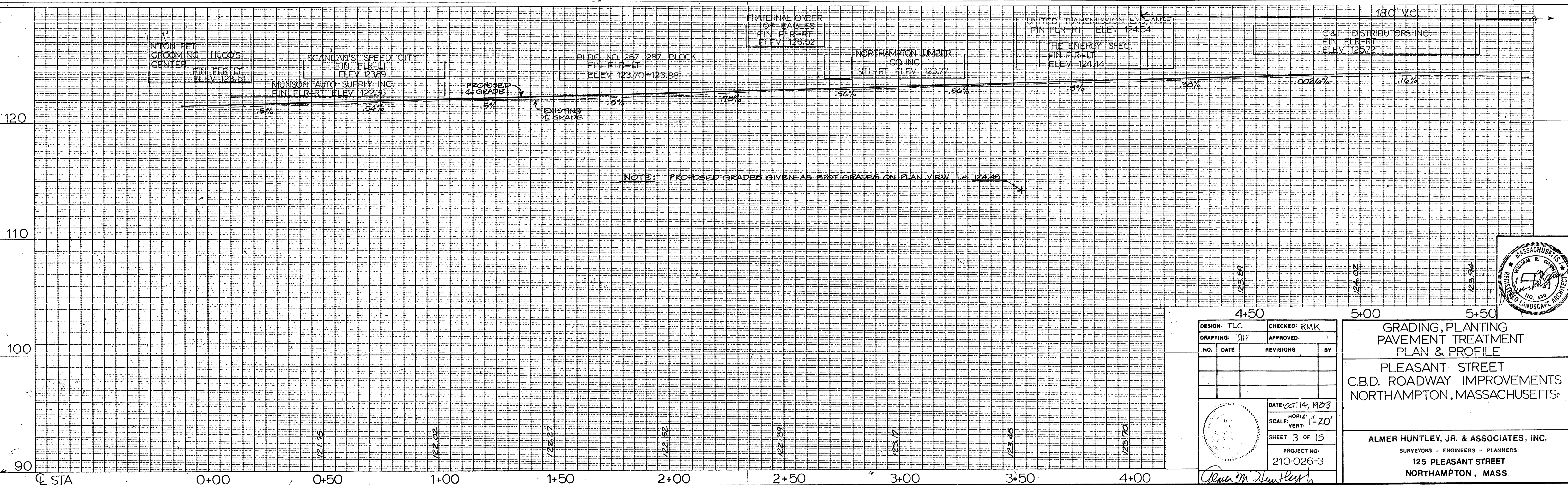
Planting Notes

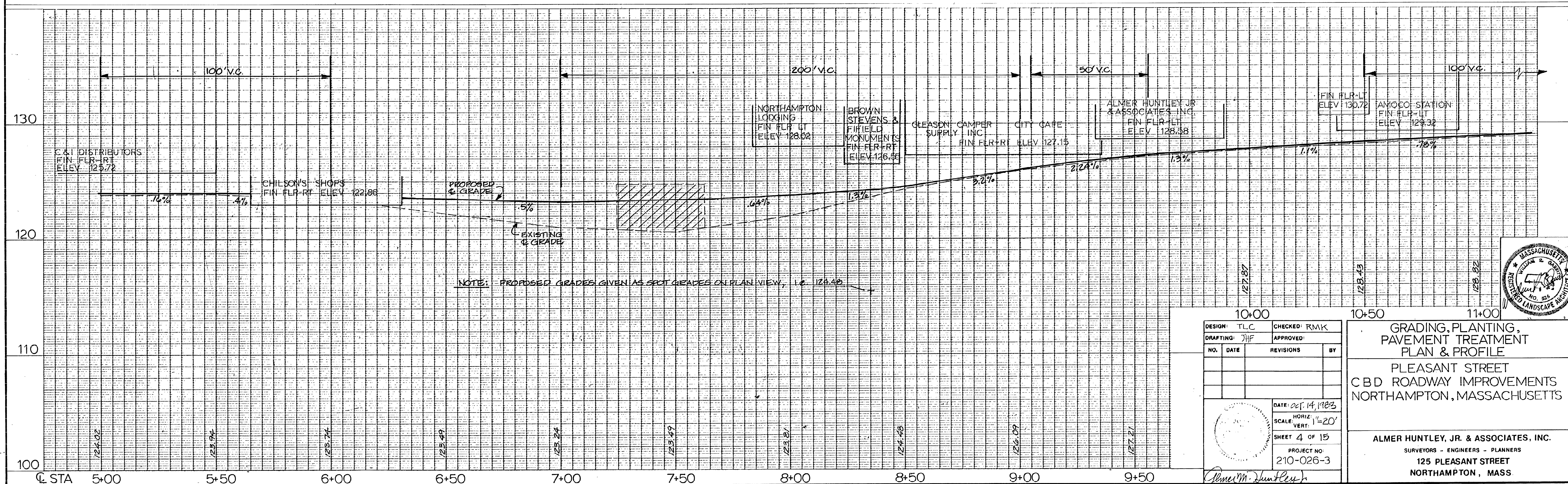
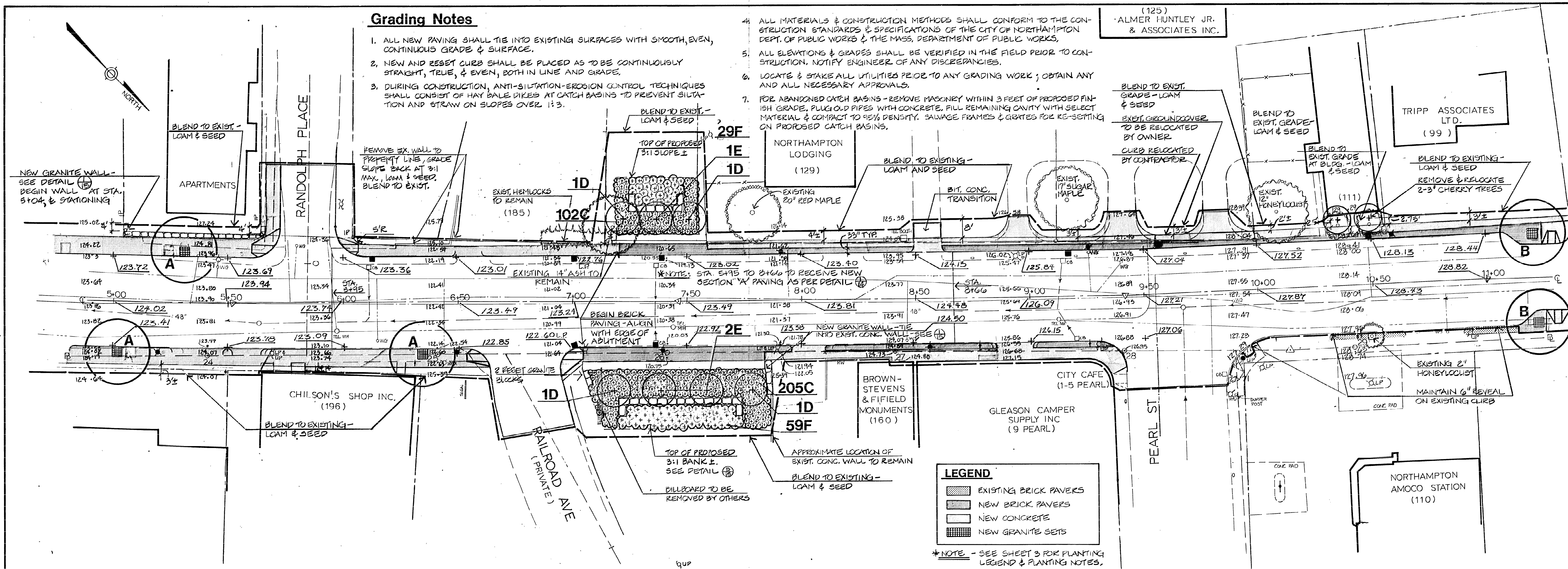
1. ALL NURSERY STOCK SHALL MEET THE HORTICULTURAL STANDARDS OF THE AMERICAN ASSOC. OF NURSEYMAN AS TO GRADING & QUALITY.
2. ALL PLANTS SHALL CONFORM TO THE MEASUREMENTS SPECIFIED IN THE PLANTING LIST, EXCEPT THAT PLANTS LARGER THAN THOSE SPECIFIED MAY BE USED IF APPROVED BY THE LANDSCAPE ARCHITECT. NO GENUS OR SPECIES SUBSTITUTIONS ALLOWED.
3. ALL PLANTS SHALL BE NURSERY GROWN IN ACCORDANCE WITH GOOD HORTICULTURAL PRACTICES & SHALL BE GROWN UNDER CLIMATIC CONDITIONS SIMILAR TO THOSE IN THE PROJECT LOCALITY FOR AT LEAST TWO YEARS.
4. BALLED & BURLAPPED (B&B) PLANTS SHALL BE MOVED WITH ROOT SYSTEMS AS A SOLID UNIT. BALLS SHALL BE FIRMLY WRAPPED WITH BURLAP.
5. ALL GRASS AREAS WITHIN THE LIMIT OF WORK LINE THAT HAVE BEEN DISTURBED BY CONSTRUCTION SHALL BE LOAMED & SEEDING IN ACCORDANCE WITH THE SPECIFICATIONS.

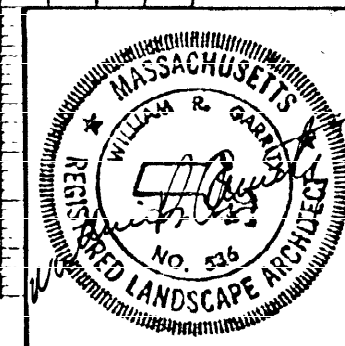
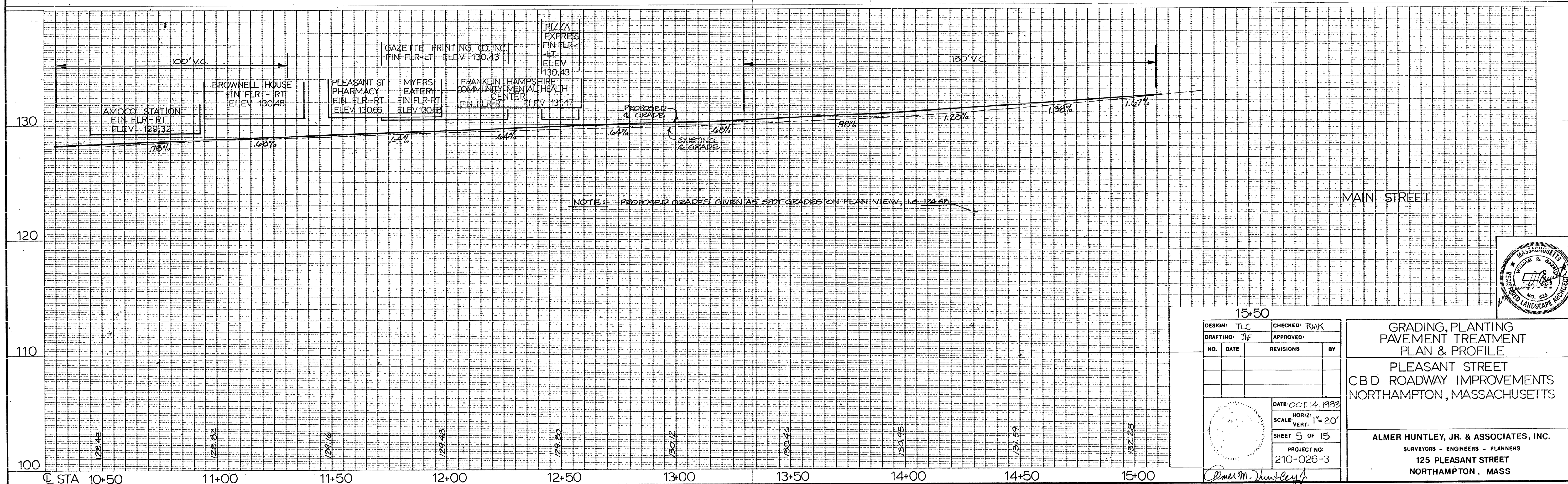
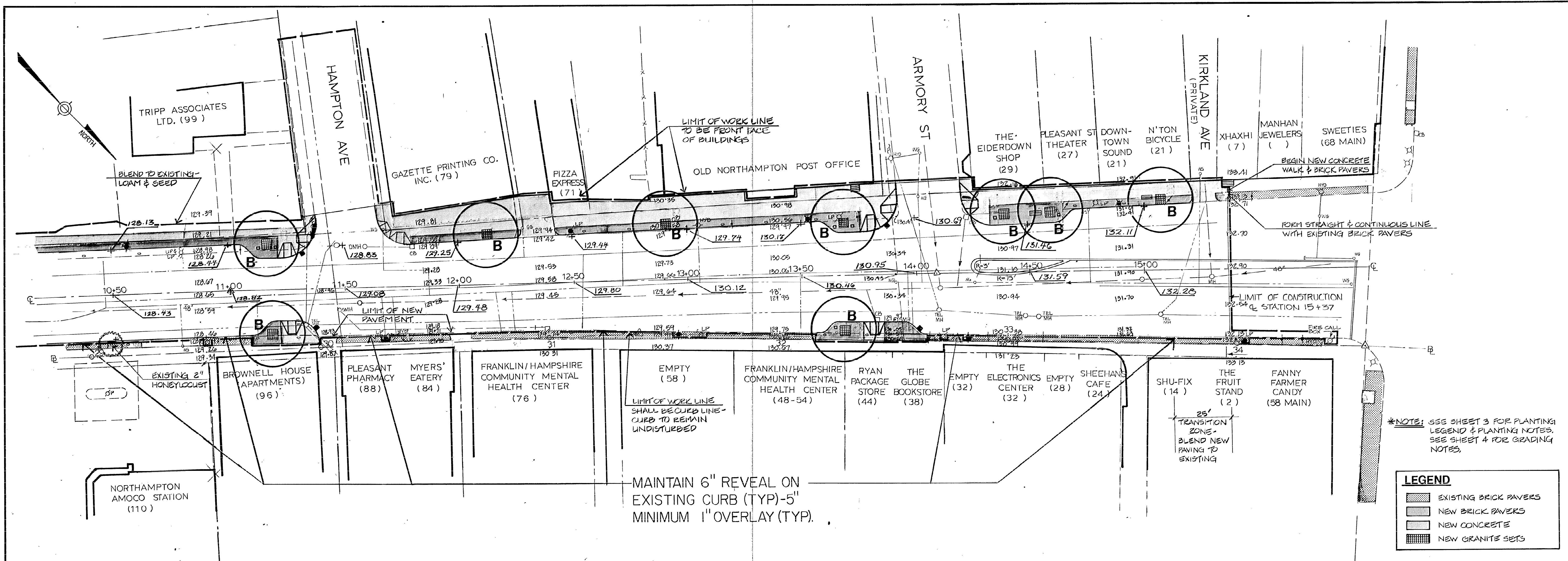
Planting List

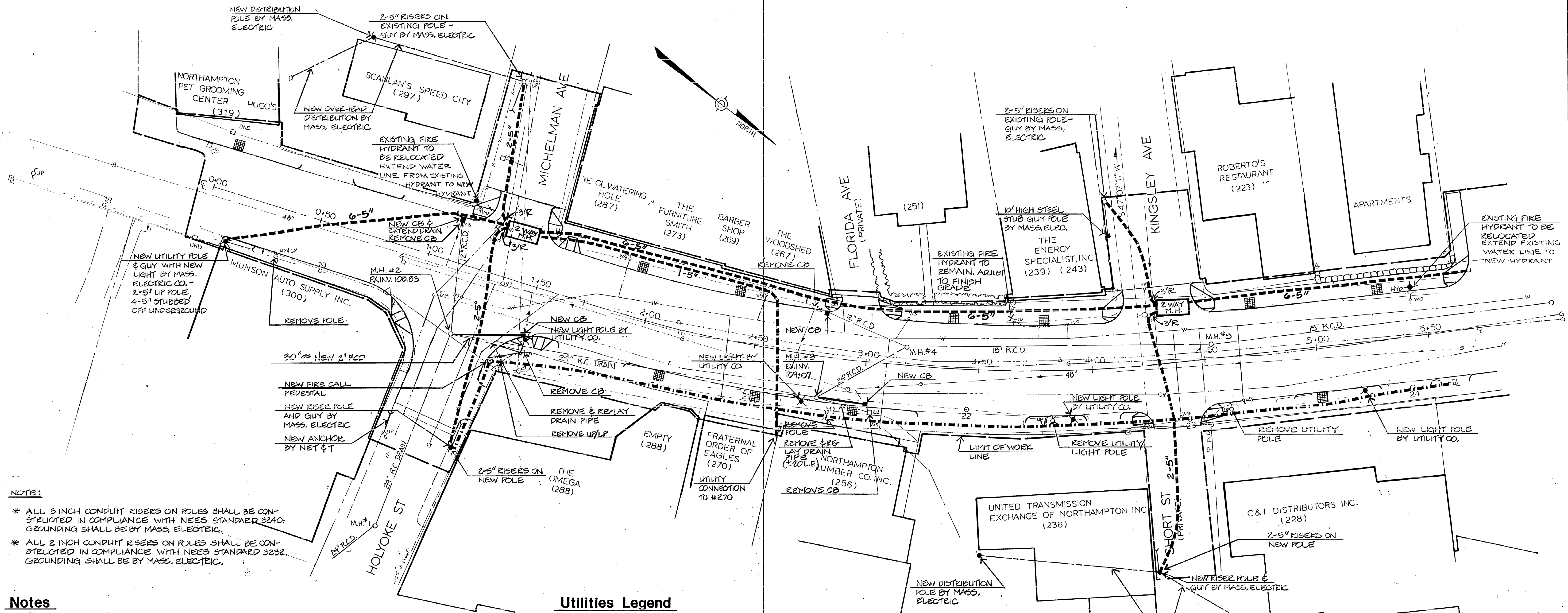
Key	Botanical Name	Common Name	Quan.	Calip.	Height	Spacing	Remarks
A	ACER PLATANOIDES	NORWAY MAPLE	12	4"-4 1/2"		AS SHOWN	BALLED & BURLAPPED SELECTED SPECIMEN
B	GLIEDITSIA TRIACANTHOS INERMIS	THORNLESS HONEYLOCUST	9	4"-4 1/2"		AS SHOWN	BALLED & BURLAPPED SELECTED SPECIMEN
C	JUNIPERUS HORIZONTALIS DEPRESSA PLUMOSA	ANDORRA JUNIPER	307	15-18"		3' O.C.	BALLED & BURLAPPED
D	CORNUS FLORIDA	FLOWERING DOGWOOD	4		10-12'	AS SHOWN	WHITE BALLED & BURLAPPED
E	CORNUS KOLUSA	KOLUSA DOGWOOD	2		10-12'	AS SHOWN	BALLED & BURLAPPED
F	CORONAEASTER HORIZONTALIS PROSTRATA	ROCK CORONAEASTER	80	18-24"		3'-4' O.C.	BALLED & BURLAPPED

*NOTE - SEE SHEET 4 FOR GRADING NOTES.









Notes:

- * ALL 5 INCH CONDUIT RISERS ON POLES SHALL BE CONSTRUCTED IN COMPLIANCE WITH NEES STANDARD 3240; GROUNDING SHALL BE BY MASS. ELECTRIC.
- * ALL 2 INCH CONDUIT RISERS ON POLES SHALL BE CONSTRUCTED IN COMPLIANCE WITH NEES STANDARD 3232; GROUNDING SHALL BE BY MASS. ELECTRIC.

Notes

1. ADJUST ALL WATER GATES & WATER SERVICES TO MEET FINISH GRADE.
2. ADJUST ALL MANHOLES TO MEET FINISH GRADE.
3. ALL PROPOSED EXISTING TO REMAIN & RESET CATCH BASIN RIMS SHALL BE SET 1/2" BELOW FINISH PAVEMENT GRADE.
4. ALL CATCH BASINS SHALL BE MASS. D.P.W. STANDARD CATCH BASINS RE-USING EXISTING GRATES & FRAMES. NEW GRATES & FRAMES, NEW GRATES & FRAMES REQUIRED SHALL BE NEENAH ROUNDY AS PER SPECIFICATIONS OR APPROVED EQUAL.
5. ALL SLOPES & INVERTS FROM PROPOSED CATCH BASINS SHALL BE DETERMINED IN THE FIELD UNDER THE DIRECTION OF THE ENGINEER.
6. ALL MATERIALS & METHODS OF CONSTRUCTION SHALL CONFORM TO THE CONSTRUCTION STANDARDS OF THE CITY OF NORTHAMPTON DEPT. OF PUBLIC WORKS & THE MASS. DEPT. OF PUBLIC WORKS.
7. LOCATION OF EXISTING UNDERGROUND UTILITIES WAS TAKEN FROM FIELD LOCATION OF STRUCTURES AND PLANS OF RECORD. LOCATIONS ARE APPROXIMATE ONLY. THIS PLAN DOES NOT NECESSARILY INDICATE ALL UNDERGROUND UTILITIES WITHIN THE LOCUS. CONTRACTOR SHALL VERIFY LOCATIONS PRIOR TO BEGINNING CONSTRUCTION.
8. CONTRACTOR SHALL COORDINATE WITH ALL APPROPRIATE UTILITY COMPANIES & OBTAIN ALL NECESSARY APPROVALS PRIOR TO BEGINNING WORK.
9. WHERE EXISTING LIGHT POLES ARE REMOVED FROM EXISTING BRICK AREAS CONTRACTOR SHALL INSTALL NEW OR SALVAGED BRICK PAVERS & BITUMINOUS CONCRETE SETTING BED. NEW PAVERS SHALL CONTINUE EXISTING BRICK PATTERN & BE FLUSH WITH SURROUNDING PAVERS.
10. CONTRACTOR SHALL REMOVE LIGHT POLE BASES, & SHALL COORDINATE REMOVAL OF LIGHT POLES WITH THE UTILITY CO.
11. ALL NEW LIGHT POLES, BASES & INTERCONNECTING CONDUIT FROM STA 0+0 TO 7+00 SHALL BE BY THE UTILITY COMPANY. CONTRACTOR SHALL COORDINATE.
12. ALL ROADWAY TRENCHING SHALL BE PATCHED WITH CITY OF NORTHAMPTON DPW STANDARD 6" THICK CONCRETE ROADWAY PATCH BEFORE PAVING WITH BITUMINOUS CONCRETE.

Utilities Legend

	EXISTING
CATCH BASIN	□ CB
HYDRANT	○ HYD
UTILITY POLE	○ UP
SIGN	—
MANHOLE - SEWER, TELEPHONE	○ MH
LIGHT POLE	○ LP
WATER LINE	W —
TELEPHONE	T —
GAS	G —
STORM SEWER - (REINFORCED CONC. DRAIN PIPE)	D R.C.D.
SANITARY SEWER	S —
UTILITY & LIGHT POLE	○ UP & LP
WATER GATE, WATER SERVICE	○ WG, WS

PROPOSED

ELECTRICAL CONDUIT (UNDERGROUND)
 FIRE ALARM DUCT
 TELEPHONE DUCT
 JUNCTION BOX
 FIRE CALL PEDESTAL

PROPOSED

————
 ————
 ————
 □
 ○

DESIGN: TLC		CHECKED: JGR	
DRAFTING: JHF		APPROVED: JGR	
NO.	DATE	REVISIONS	
1	11/18/83	AS REQUESTED BY UTILITIES	

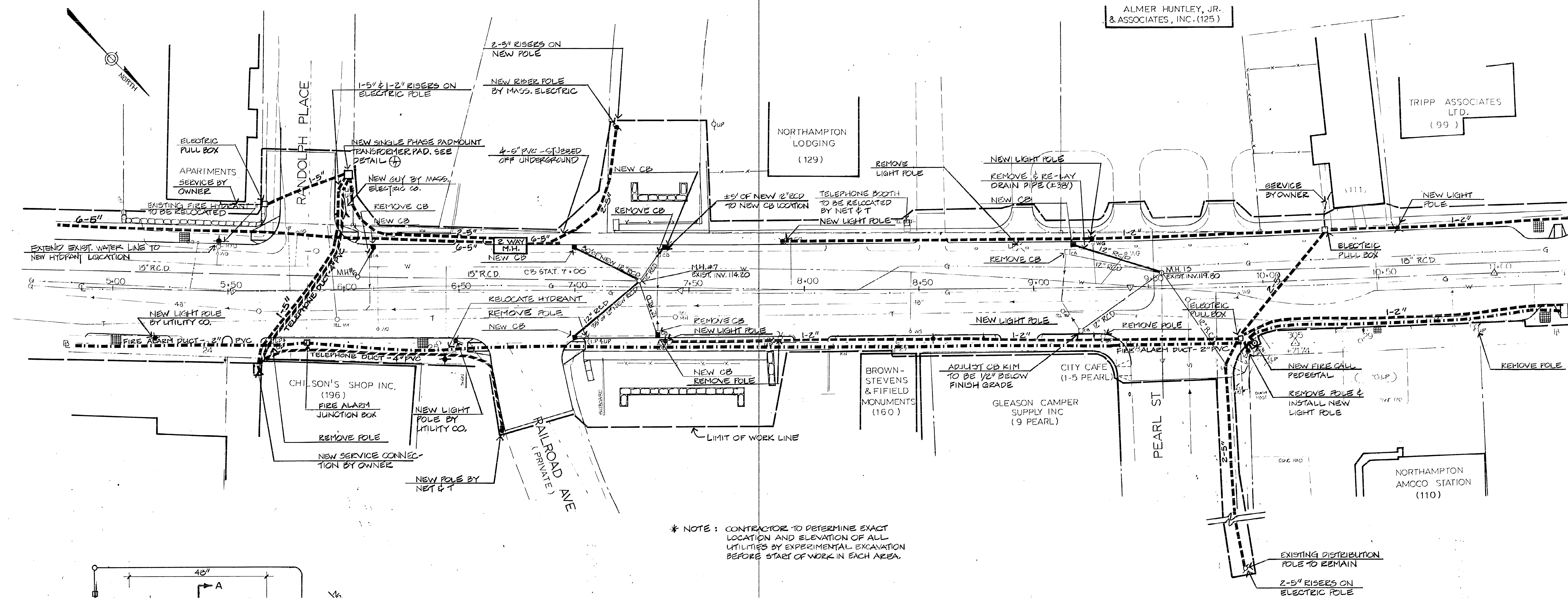
DATE: OCT. 14, 1983
 SCALE: HORIZ. 1"=20'
 VERT. 1"=10'
 SHEET 6 OF 15
 PROJECT NO: 210-026-3

UTILITIES & DRAINAGE PLAN

 PLEASANT STREET
 C.B.D. ROADWAY IMPROVEMENTS
 NORTHAMPTON, MASSACHUSETTS

 ALMER HUNTLEY, JR. & ASSOCIATES, INC.
 SURVEYORS - ENGINEERS - PLANNERS
 125 PLEASANT STREET
 NORTHAMPTON, MASS.

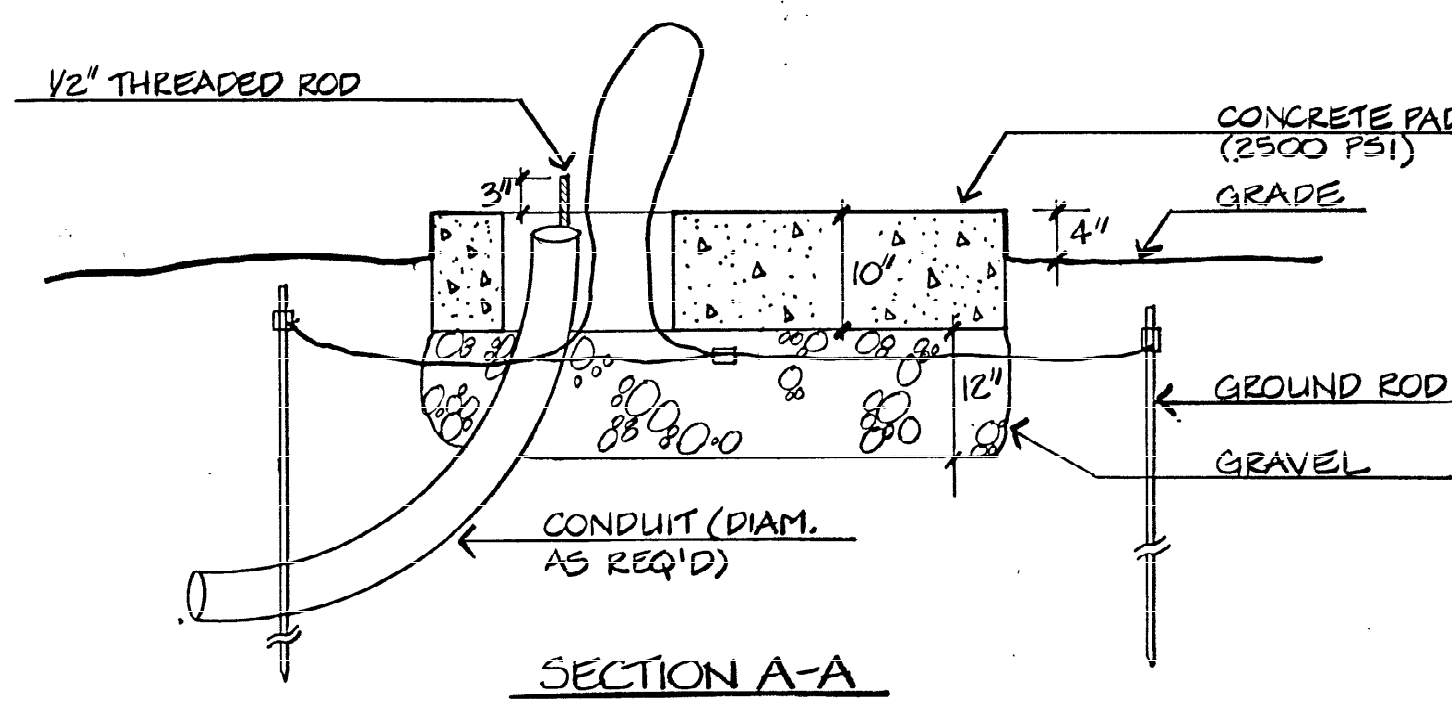
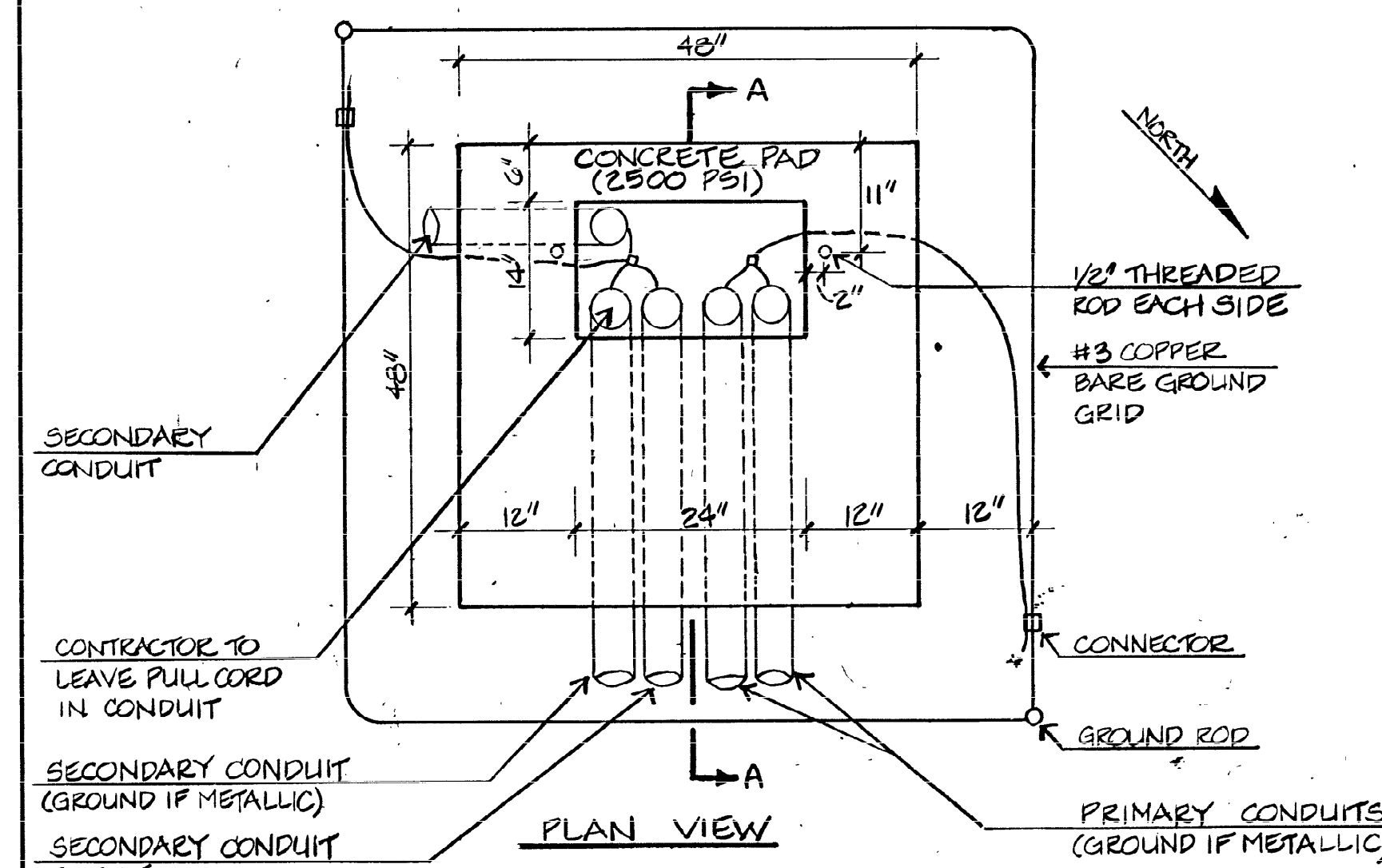
ALMER HUNTLEY, JR.
& ASSOCIATES, INC. (125)



* NOTE : CONTRACTOR TO DETERMINE EXACT LOCATION AND ELEVATION OF ALL UTILITIES BY EXPERIMENTAL EXCAVATION BEFORE START OF WORK IN EACH AREA.

Notes

* FOR UTILITIES NOTES AND UTILITIES LEGEND, SEE SHEET 6.



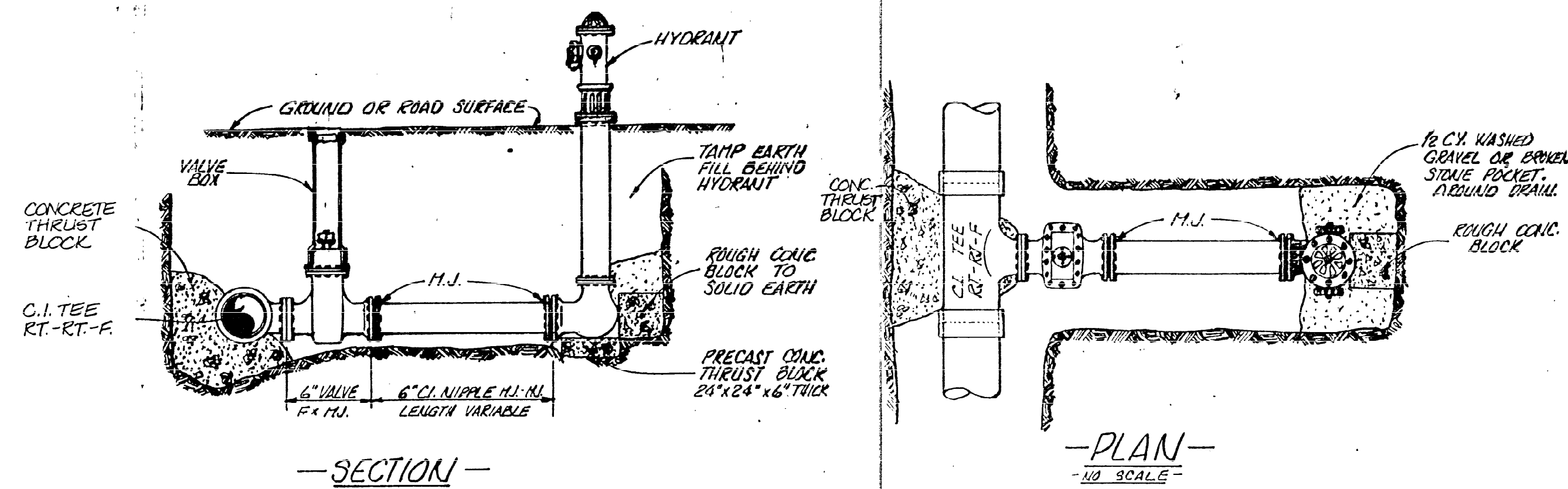
1 Single Phase Padmount Transformer Pad Detail
7 No Scale

DESIGN: STAFF	CHECKED: JGR
DRAFTING: JHF	APPROVED: JGR
NO. DATE	REVISIONS BY
1 11/83	AS REQUESTED BY UTILITIES
DATE: OCT. 14, 1983	
HORIZ. SCALE: 1" = 20'	
VERT. SCALE: 1" = 2'	
SHEET 7 OF 15	
PROJECT NO: 210-026-3	

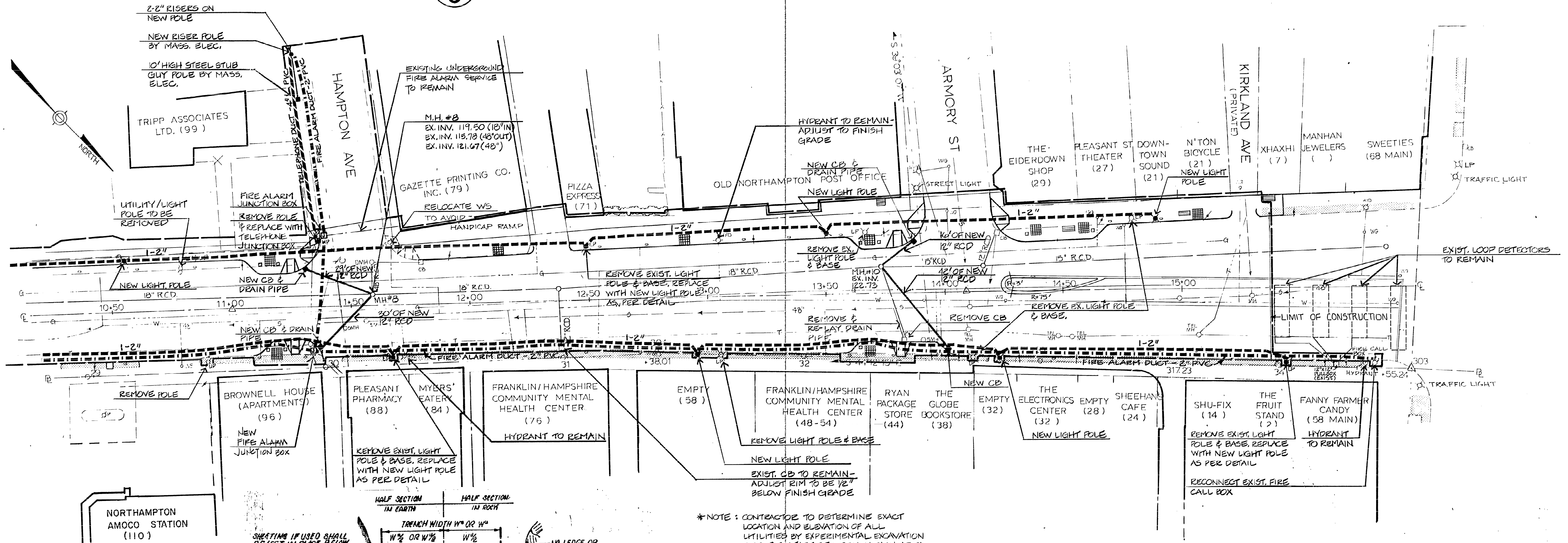


Almer M. Huntley, Jr.

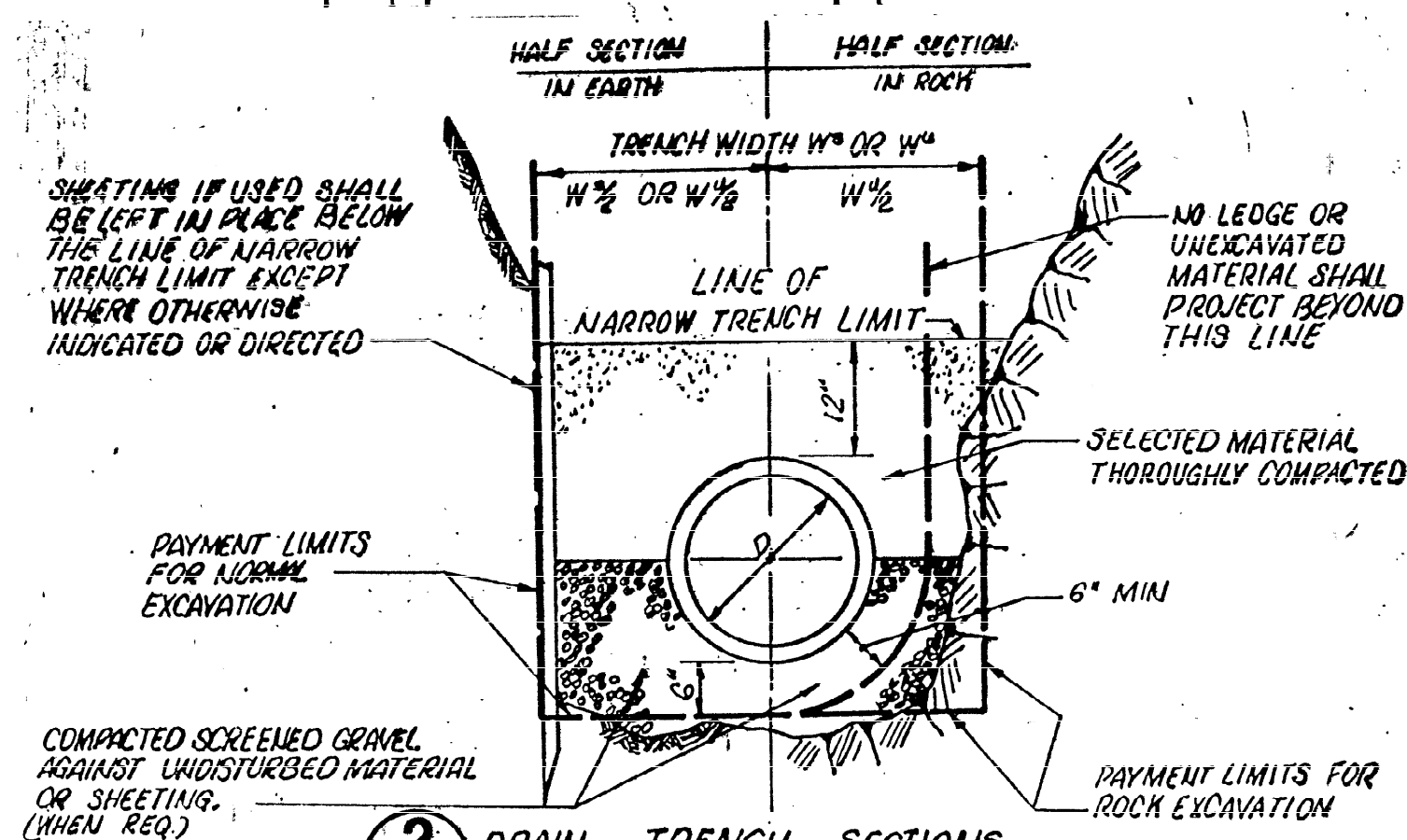
UTILITIES & DRAINAGE PLAN	
PLEASANT STREET CBD ROADWAY IMPROVEMENTS NORTHAMPTON MASSACHUSETTS	
ALMER HUNTLEY, JR. & ASSOCIATES, INC. SURVEYORS - ENGINEERS - PLANNERS 125 PLEASANT STREET NORTHAMPTON, MASS.	



1 Standard Hydrant Installation Detail **8** No Scale



* NOTE : CONTRACTOR TO DETERMINE EXACT LOCATION AND ELEVATION OF ALL UTILITIES BY EXPERIMENTAL EXCAVATION BEFORE START OF WORK IN EACH AREA.



TRENCH WIDTH W* OR W*					
DIAMETER OF PIPE, D	W*	W*	DIAMETER OF PIPE, D	W*	W*
	UNSHEETED	SHEETED		UNSHEETED	SHEETED
12" AND SMALLER	3'-0"	4'-2"	24"	4'-6"	5'-0"
15"	3'-2"	4'-4"	30"	4'-10"	5'-0"
18"	3'-6"	4'-8"	36"	5'-6"	6'-0"
21"	3'-10"	5'-0"	42"	6'-2"	7'-4"
24"	4'-2"	5'-4"	48"	6'-10"	8'-0"

Notes

* FOR UTILITIES NOTES AND UTILITIES LEGEND, SEE SHEET 6.

DESIGN: STAFF	CHECKED: JGR
DRAFTING: JHF	APPROVED: JGR
NO. DATE	REVISIONS BY
1 11/1/83	AS REQUESTED BY UTILITIES
DATE: OCT. 14, 1983	
SCALE: HORIZ. 1"=20'	
VERT. 1"=10'	
SHEET 8 OF 15	
PROJECT NO. 210-026-3	

UTILITIES & DRAINAGE PLAN	
PLEASANT STREET CBD ROADWAY IMPROVEMENTS NORTHAMPTON MASSACHUSETTS	
ALMER HUNTLEY, JR. & ASSOCIATES, INC. SURVEYORS - ENGINEERS - PLANNERS 125 PLEASANT STREET NORTHAMPTON, MASS.	

25 OCT 1983

Almer M. Huntley, Jr.