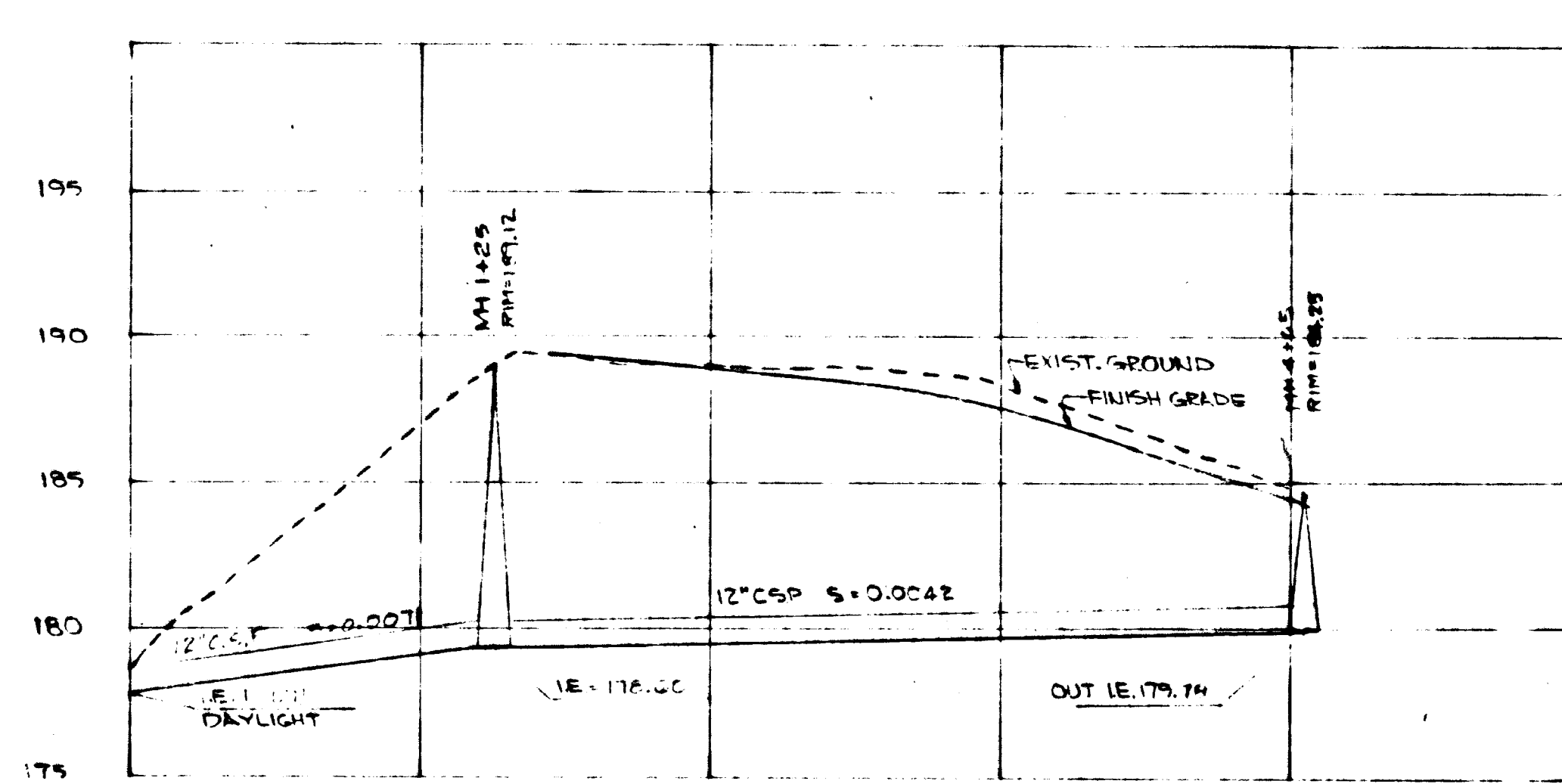
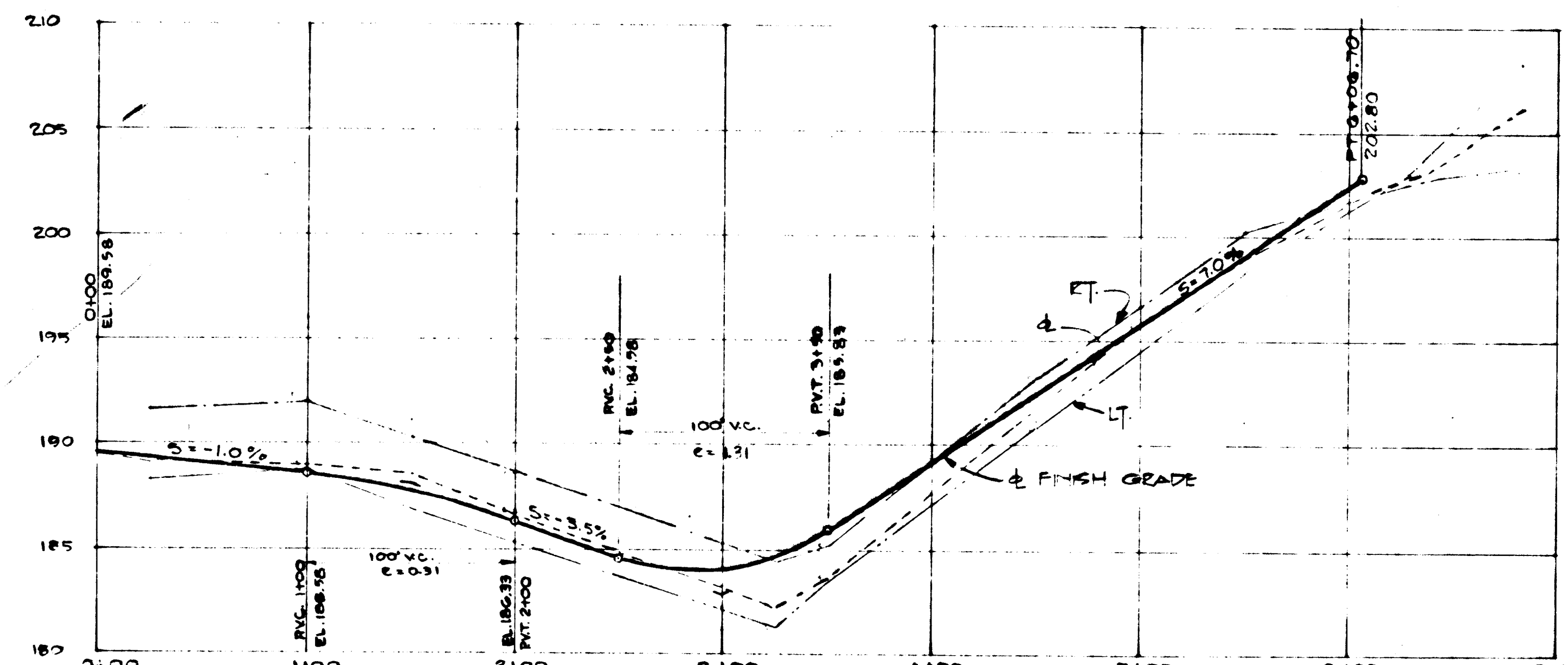
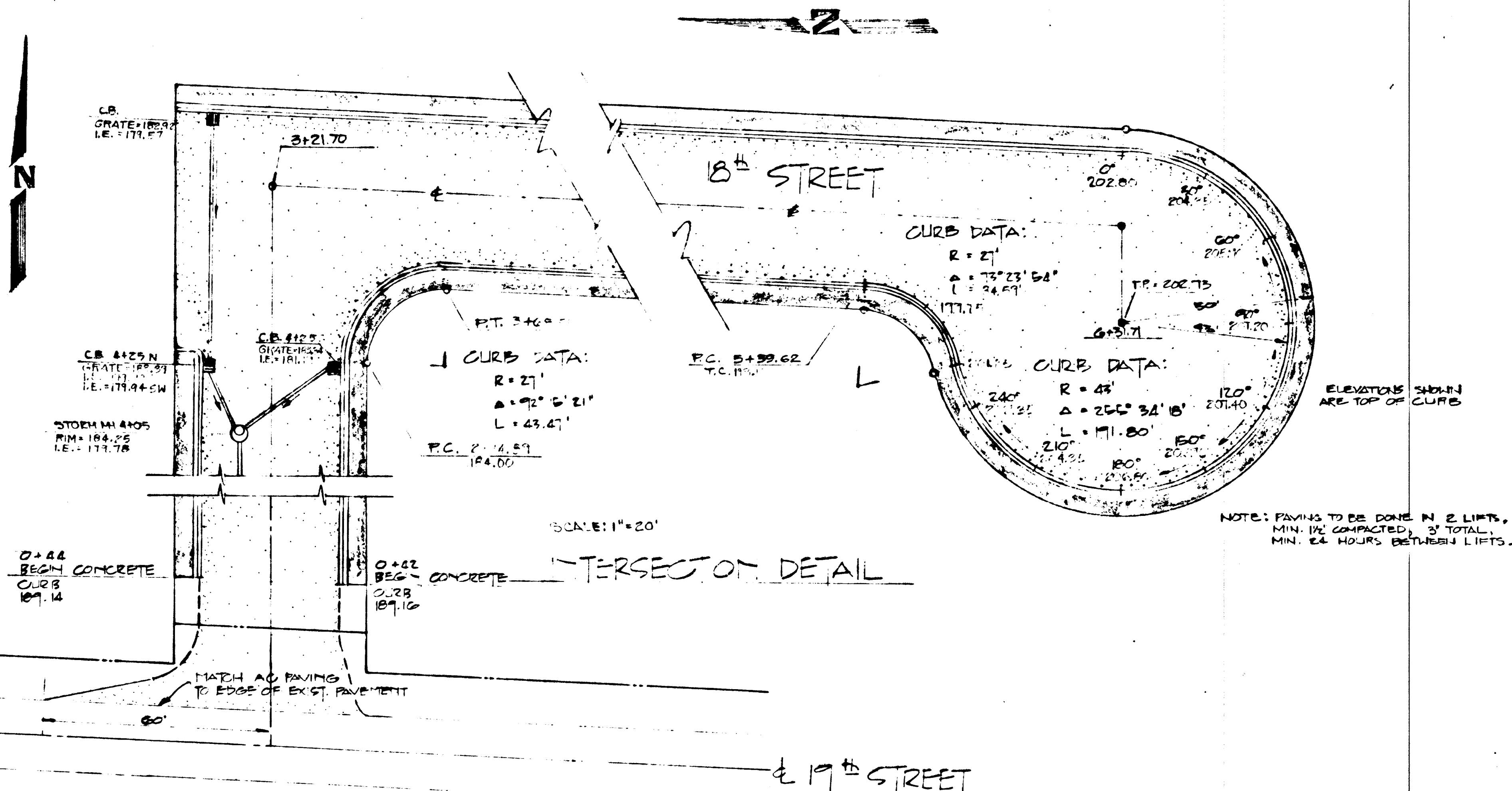


- STREET CONSTRUCTION**
1. All trees, brush and debris within limits of the right-of-way shall be removed and disposed of by the Contractor.
 2. All areas of construction shall be stripped. Stripping shall consist of removing the topsoil humus. Stripped material shall be disposed of on the site in areas designated by the Engineer.
 3. Subgrade shall be constructed from excavated material and shall be brought to grade in lifts not to exceed 8" loose measure. Each lift shall be compacted to 95 percent of maximum density as obtained by AASHTO T-180 compaction test.
 4. Street base, asphaltic concrete pavement, curb and sidewalk construction shall conform to the applicable sections of the Oregon State Highway Commission Standard Specifications for Highway Construction.
 5. Sidewalks and driveways are not a part of this contract. Contractor to construct curb cuts for each lot at locations designated by the Engineer.

- STORM SEWER**
1. Storm sewer pipe shall be of the size noted on the plans. Pipe shall be tongue and groove concrete pipe and shall conform to ASTM C-14, specifications for extra strength concrete pipe. Catch basins shall be of the type shown on the detail sheet.
 2. Installation of the storm sewer system shall be done according to standard practices. All backfill in public right-of-way shall be 2" #0 crushed rock compacted by City of West Linn approved methods.



AS BUILT

STREET PROFILE
SCALE: HORIZ. 1"=50'
VERT. 1"=5'

STORM SEWER PROFILE
SCALE: HORIZ. 1"=50'
VERT. 1"=5'



ALPHA ENGINEERING INC.
1750 SW. SKYLINE BLVD.
PORTLAND, OREGON 97221
PH (503) 292-9774

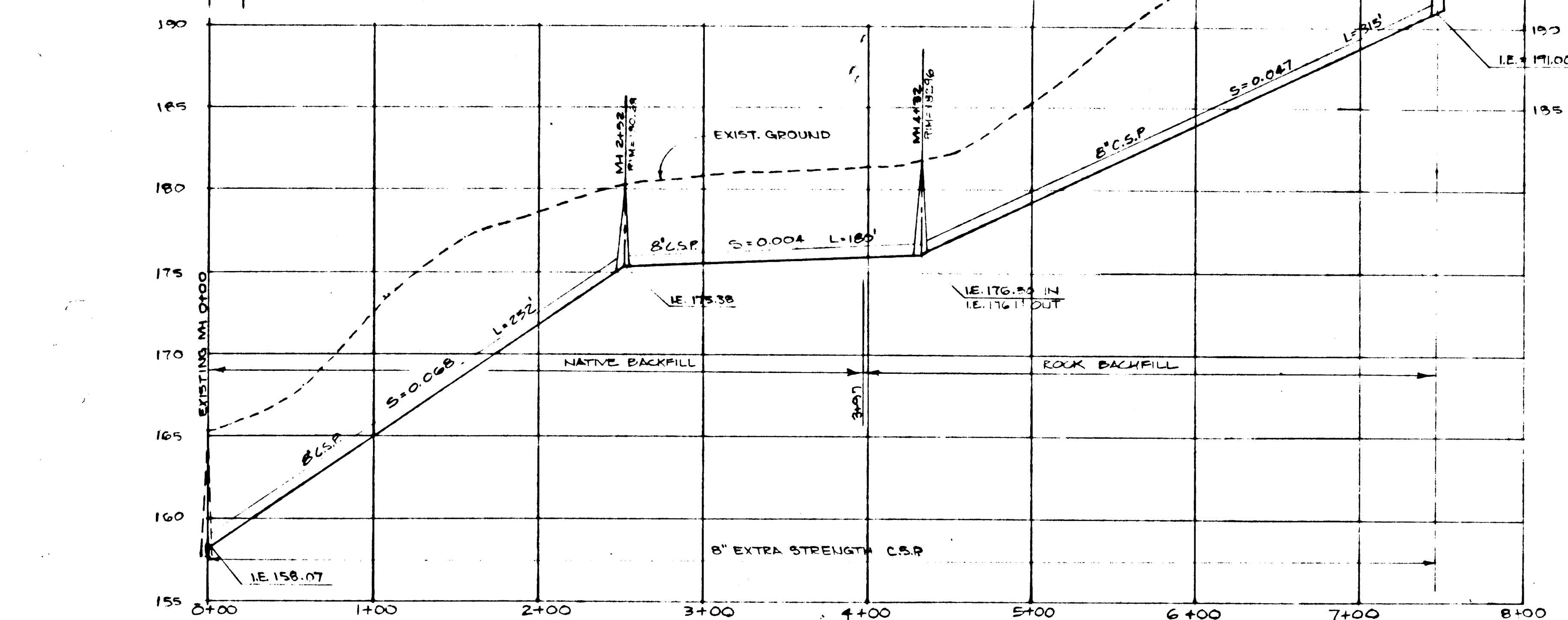
DESIGNED	WJH	DATE	APRIL, 1977
DRAWN	WJH	SCALE	AS SHOWN
CHECK		PROJECT NO.	77-385
APPROVED			

PROJECT
NOVA WEST

STREET PROFILES & DETAILS

SHEET
1 OF 3

NO.	DATE	REVISION	BY
1	4-5-79	PER CITY OF WEST LINN	TLB




SCALE : HORIZ. 1" = 50', VERT. 1" = 5'



1750 SW. SKYLINE BLVD.
PORTLAND, OREGON 97221
Ph (803) 292-9774

PROJECT
NOVA WEST

SHEET
2 
OF 3

1. All sanitary sewer pipe shall be concrete and shall conform to ASTM C-14 for extra strength concrete pipe. Manholes shall be precast concrete and shall conform to ASTM C-478. Frames and covers shall be cast iron and shall conform to ASTM A-48, class 30.
2. Installation of sanitary sewers shall be according to standard construction methods. All backfill shall be as shown on the detail sheet.
3. Contractor to install 6" laterals to each lot.

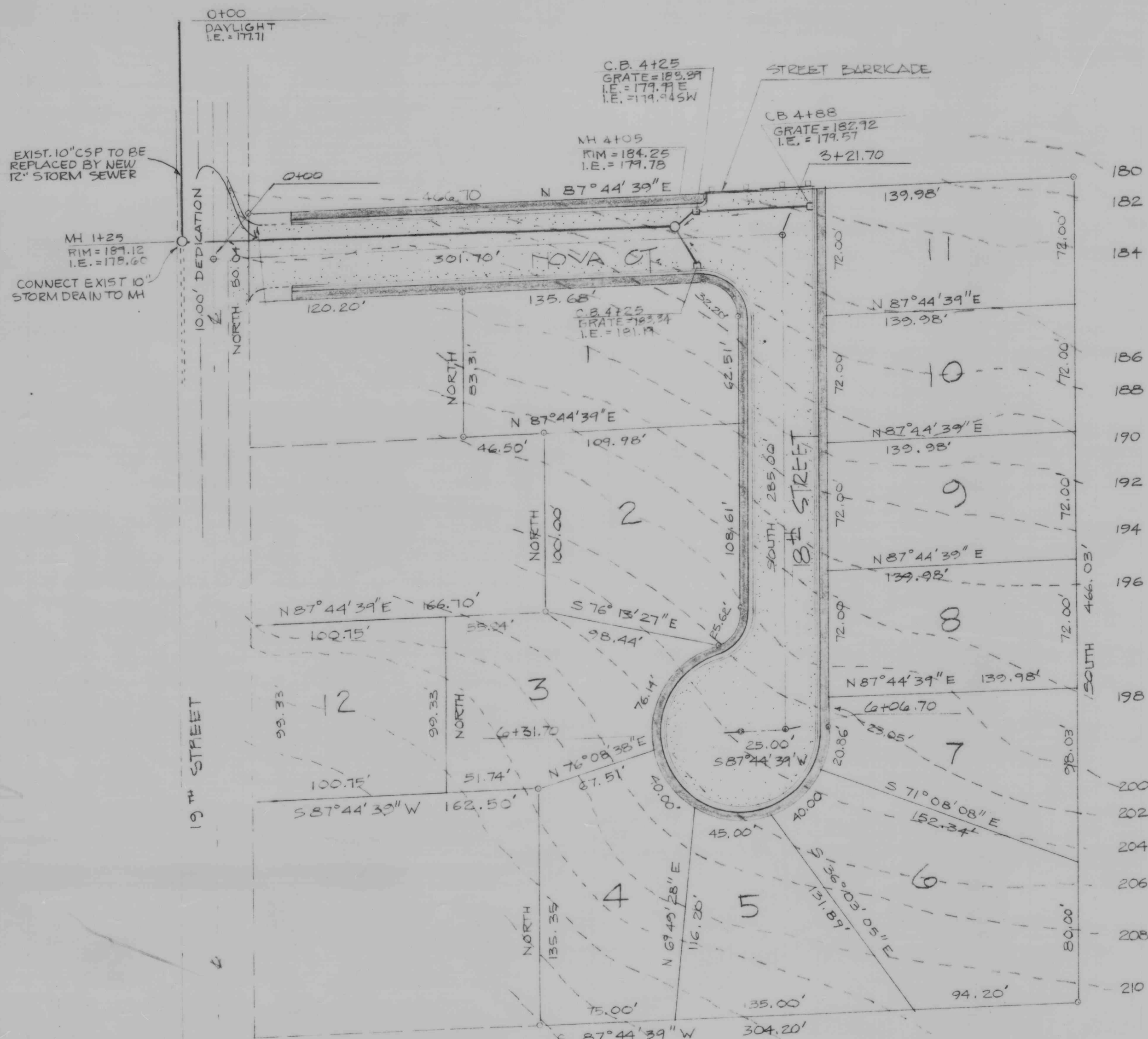
1. All water line construction and all materials shall meet the requirements of the City of West Linn, Oregon, State Plumbing Specialty Code and the Oregon State Health Division.
2. Material Specifications for water mains:
 - a) All pipe, fittings and other appurtenances shall be free of structural defects and shall be designed for a minimum working pressure of 150 P.S.I. (200 P.S.I., SDR 21 for plastic pipe).
 - b) Ductile iron pipe shall conform to AWWA C-150-76, Class 52, push-on joint. All fittings shall be furnished with mechanical joints conforming to ANSI A21.11. All fittings shall be class 250.
 - c) P.V.C. plastic water pipe shall conform to ASTM D-2241, 200 P.S.I. (SDR-21) with rubber rings conforming to ASTM D-1869.
 - d) Fire hydrants shall conform to AWWA C-502 and shall be approved by the City of West Linn.
3. All pipe shall have a 30" minimum cover measured from finish grade. All tees, bends, elbows and changes in direction of 11 1/2" or greater shall be securely blocked using 3,000 psi concrete poured against undisturbed ground as shown on the detail sheet.
4. All backfill in public right-of-way shall be approved granular material.
5. Upon completion of installation of the water system, all lines shall be flushed and disinfected in conformance with Health Division Guidelines.
6. Water line construction shall comply with regulations of the Oregon State Board of Health and the Department of Environmental Quality regarding the location and separation of water lines and sanitary sewer lines.

AS BUILT

2	11-24-78	AS BUILT	DJB
1	4-5-78	PER CITY OF WEST LINN	TLA
NO	DATE	REVISION	BY

Second Scan

This As-Built was scanned twice due to illegibility issues of the original scan.

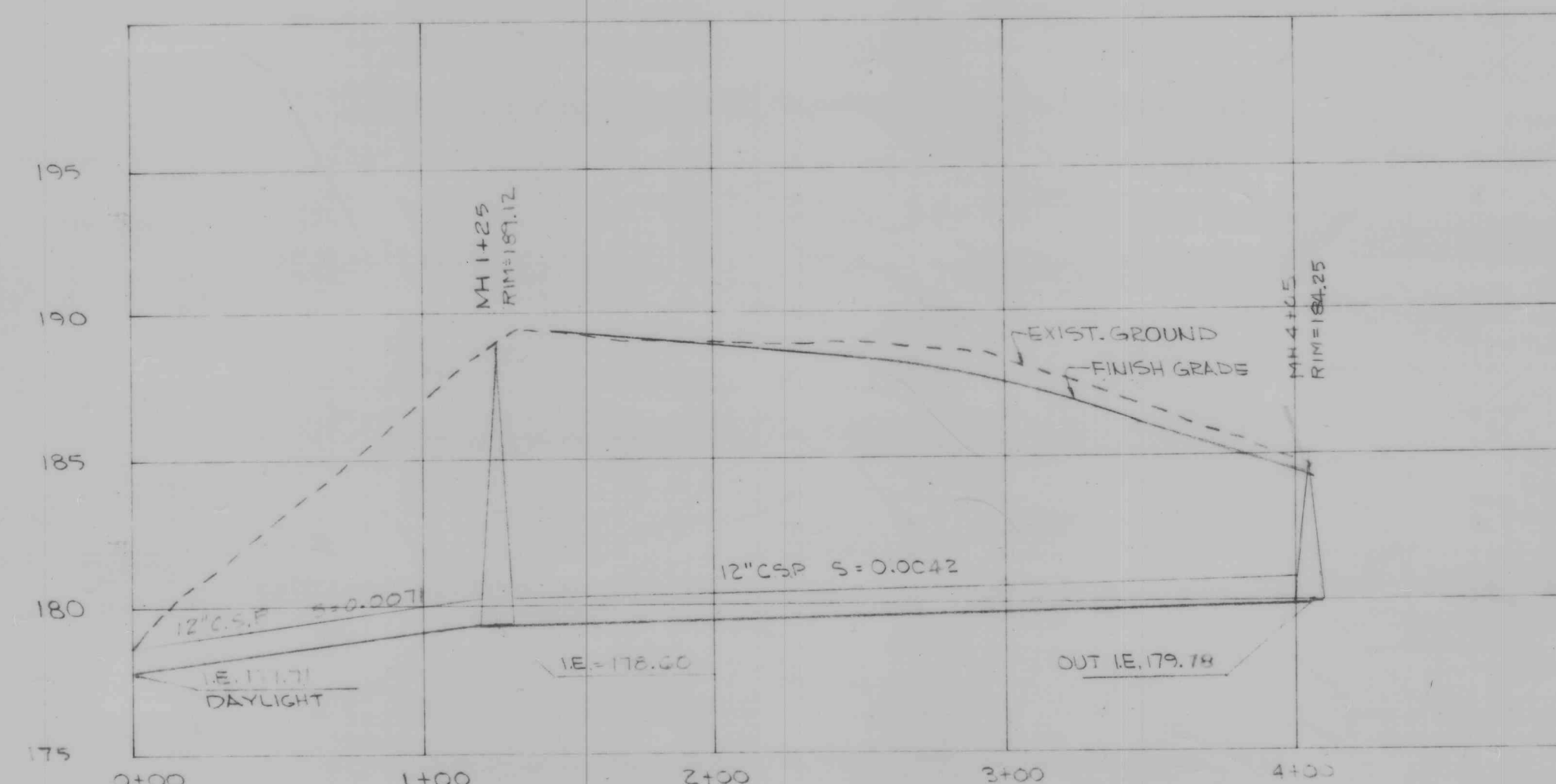
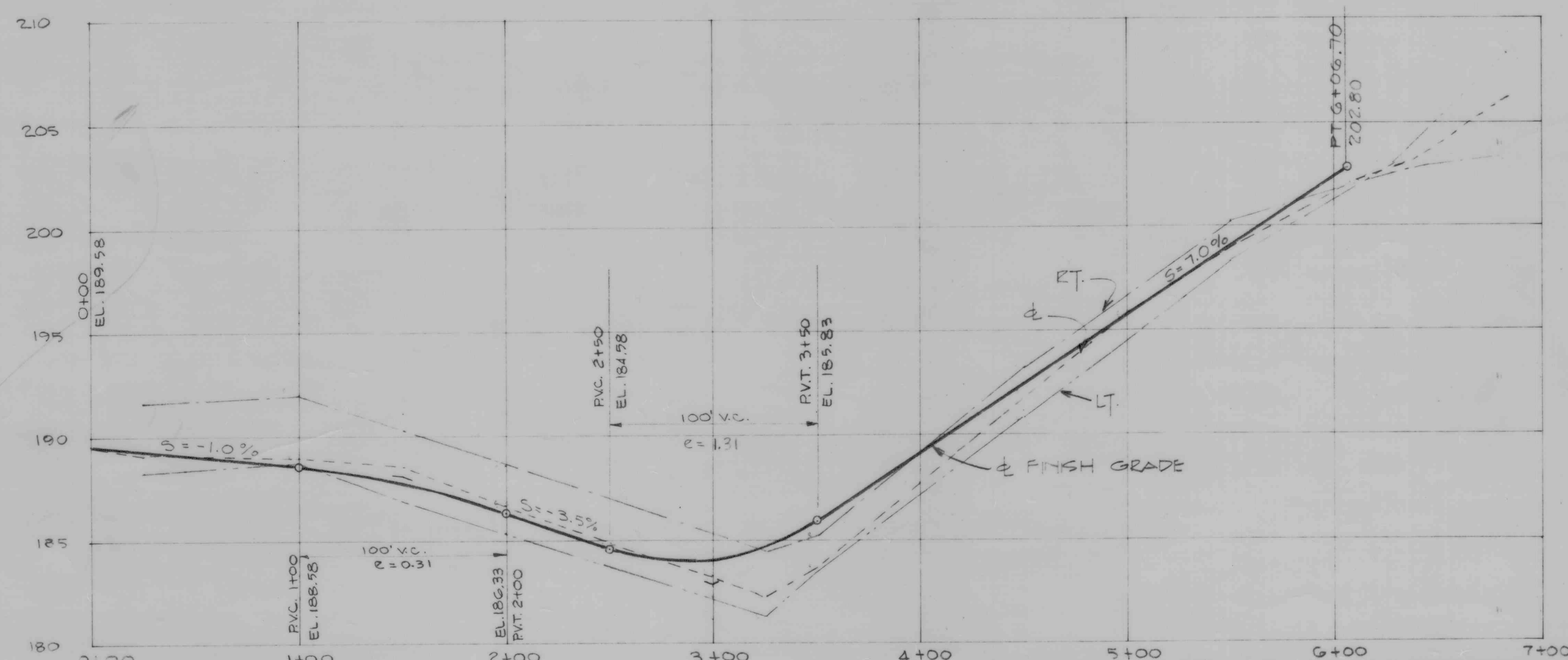
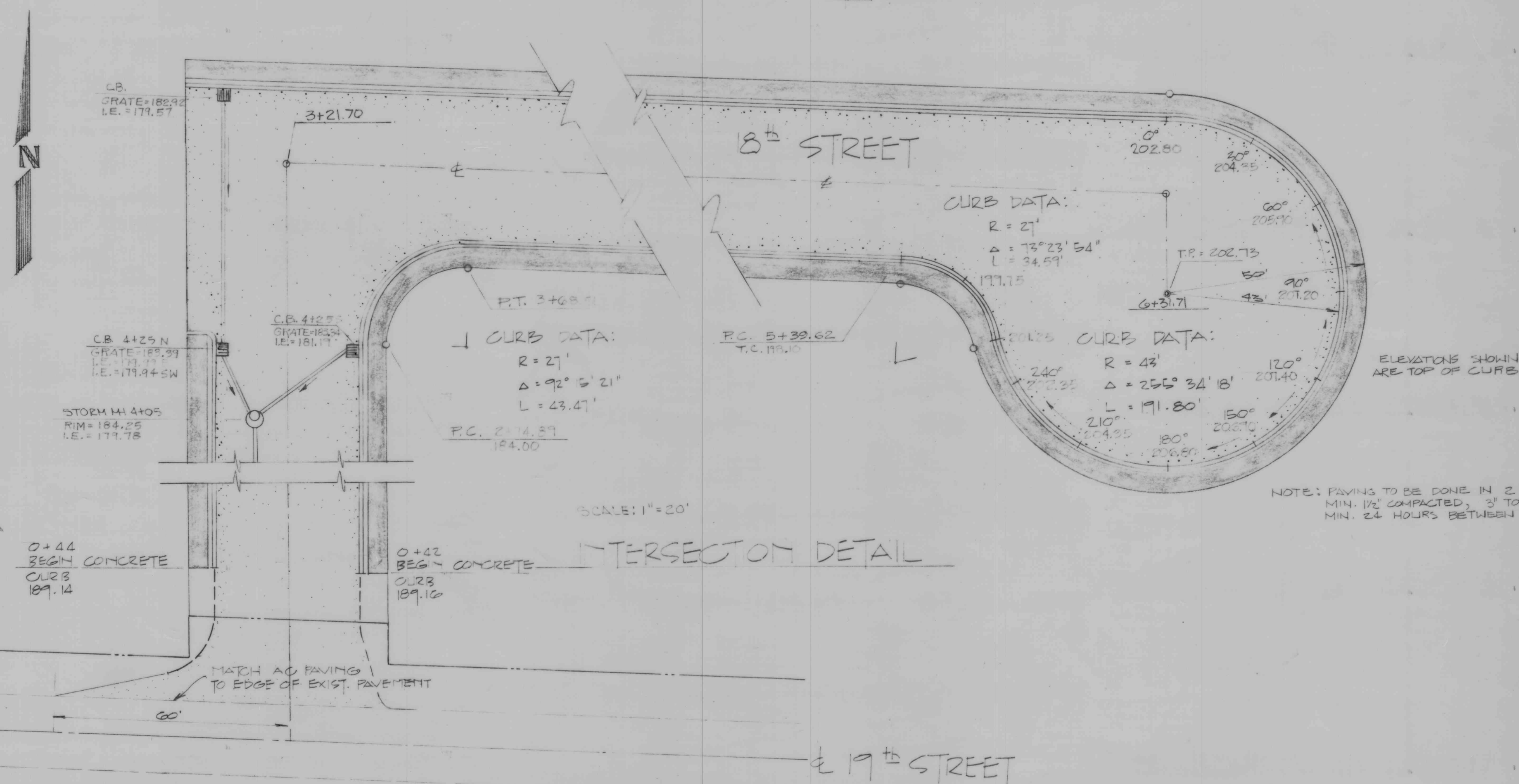


STREET CONSTRUCTION

- All trees, brush and debris within limits of the right-of-way shall be removed and disposed of by the Contractor.
- All areas of construction shall be stripped. Stripping shall consist of removing the topsoil humus. Stripped material shall be disposed of on the site in areas designated by the Engineer.
- Embankments shall be constructed from excavated material and shall be brought to grade in lifts not to exceed 8" loose measure. Each lift shall be compacted to 95 percent of maximum density as obtained by AASHTO T-180 compaction test.
- Street base, asphaltic concrete pavement, curb and sidewalk construction shall conform to the applicable sections of the Oregon State Highway Commission Standard Specifications for Highway Construction.
- Sidewalks and driveways are not a part of this contract. Contractor to construct curb cuts for each lot at locations designated by the Engineer.

STORM SEWER

- Storm sewer pipe shall be of the size noted on the plans. Pipe shall be tongue and groove concrete pipe and shall conform to ASTM C-14, specifications for extra strength concrete pipe. Catch basins shall be of the type shown on the detail sheet.
- Installation of the storm sewer system shall be done according to standard practices. All backfill in public right-of-way shall be 2" #0 crushed rock compacted by City of West Linn approved methods. (SEE TECH DETAIL)



AS BUILT

ALPHA ENGINEERING INC.

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DESIGNED	WJH	DATE	APRIL, 1977
DRAWN	WJH	SCALE	AS SHOWN
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PROJECT

NOVA WEST

STREET PROFILES
& DETAILS

SHEET

1
OF 3

NO	DATE	REVISION	BY
1	4-5-78	PER CITY OF WEST LINN	FLA