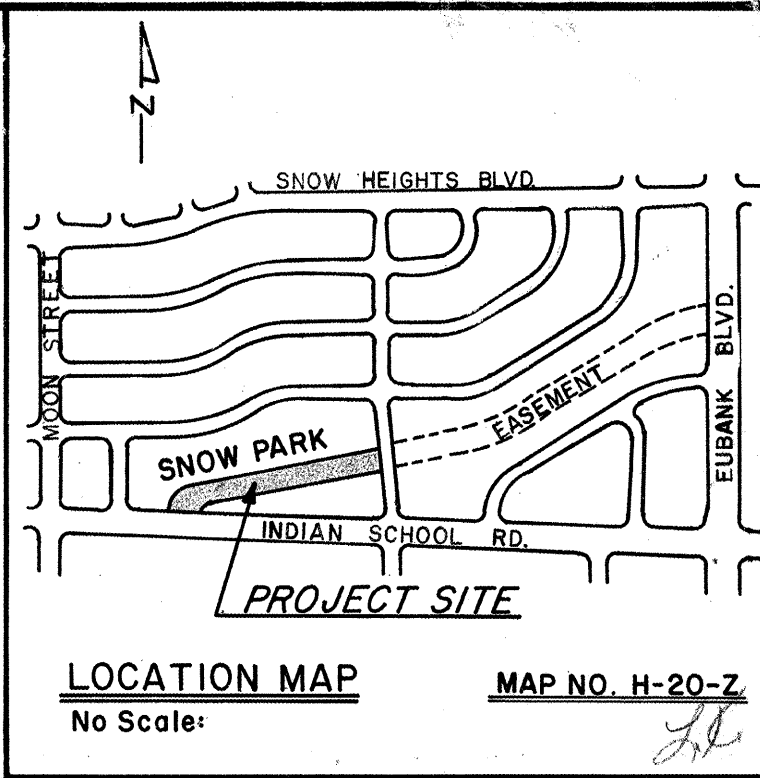


SNOW PARK DRAINAGE CHANNEL

REPAIRS & REPLACEMENTS



NOTICE TO CONTRACTOR

1. New Mexico Standard Specification for Public Works Construction - 1979 Edition will be referred to hereon as the "Standard Specification".
2. All work detailed on these plans to be performed under contract shall, except as otherwise stated or provided for hereon, be constructed in accordance with "Contract Documents for City-Wide Utilities and Cash Paving No. 29" and the Standard Specification.
- ~~3. All storm drainage facilities shall be completed prior to final acceptance.~~
3. Two working days prior to any excavation, contractor must contact Line Locating Service, 765-1234, for location of existing utilities.
4. Prior to construction the contractor shall excavate and verify the horizontal and vertical location of all obstruction. Should a conflict exist, the contractor shall notify the engineer or surveyor so that the conflict can be resolved with a minimum amount of delay.

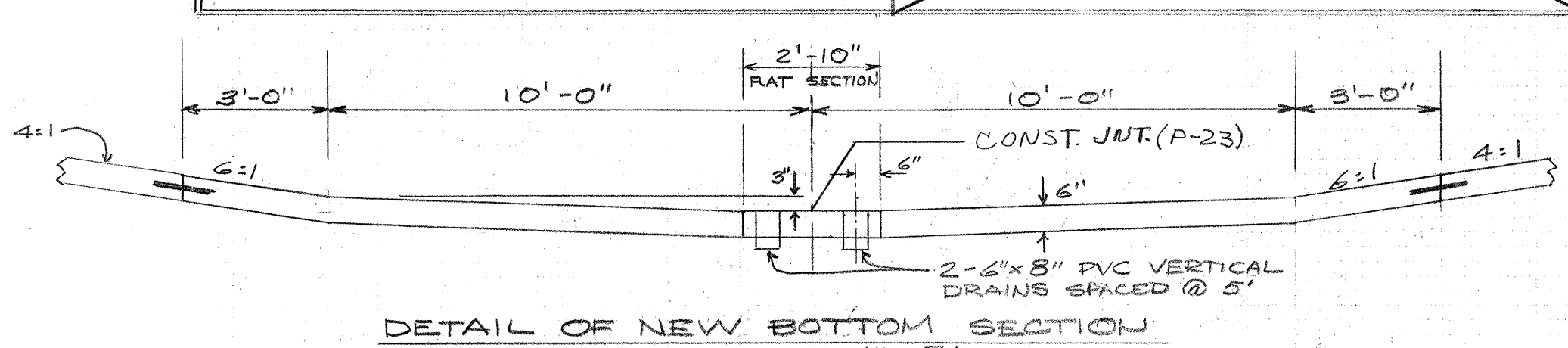
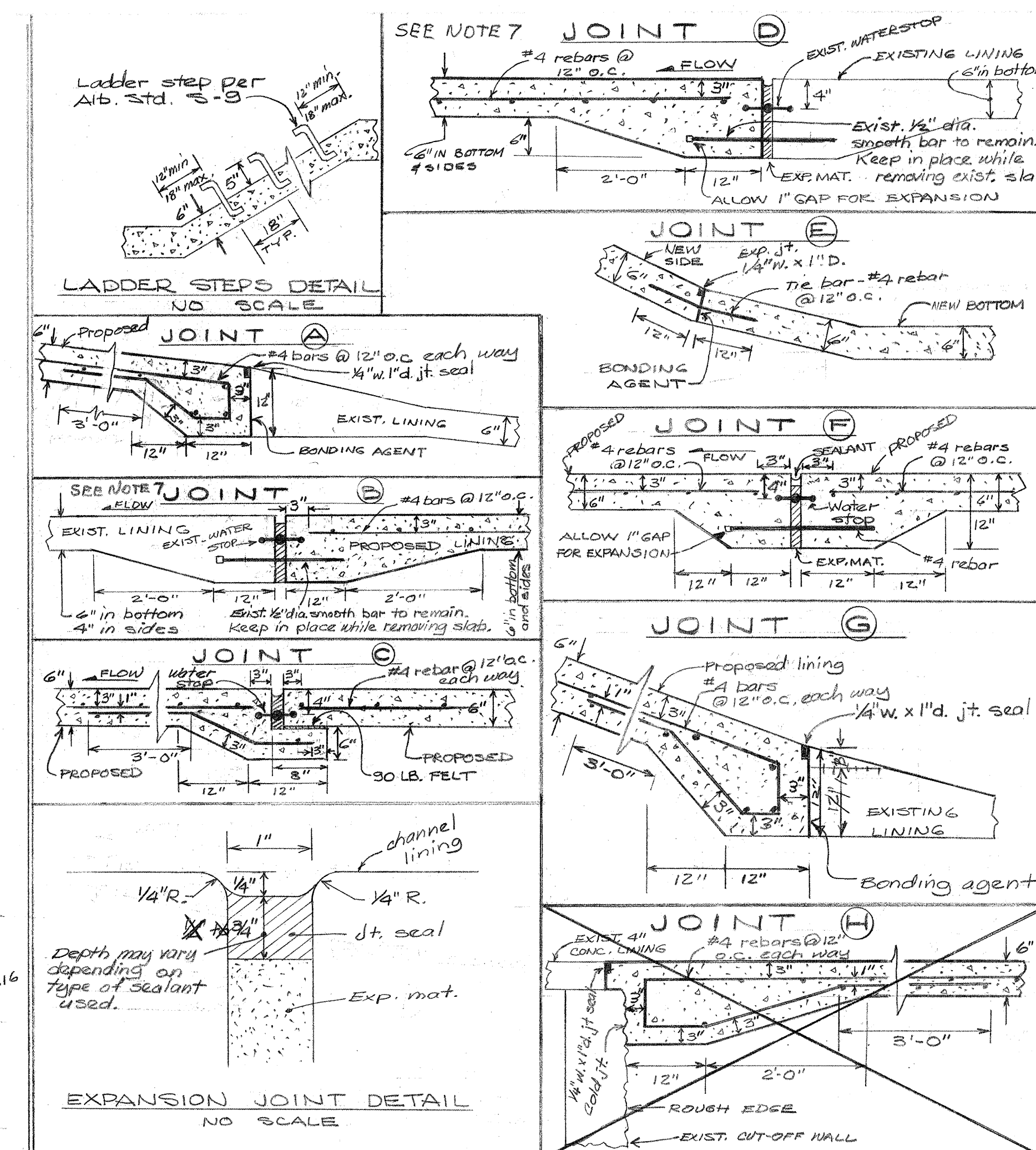
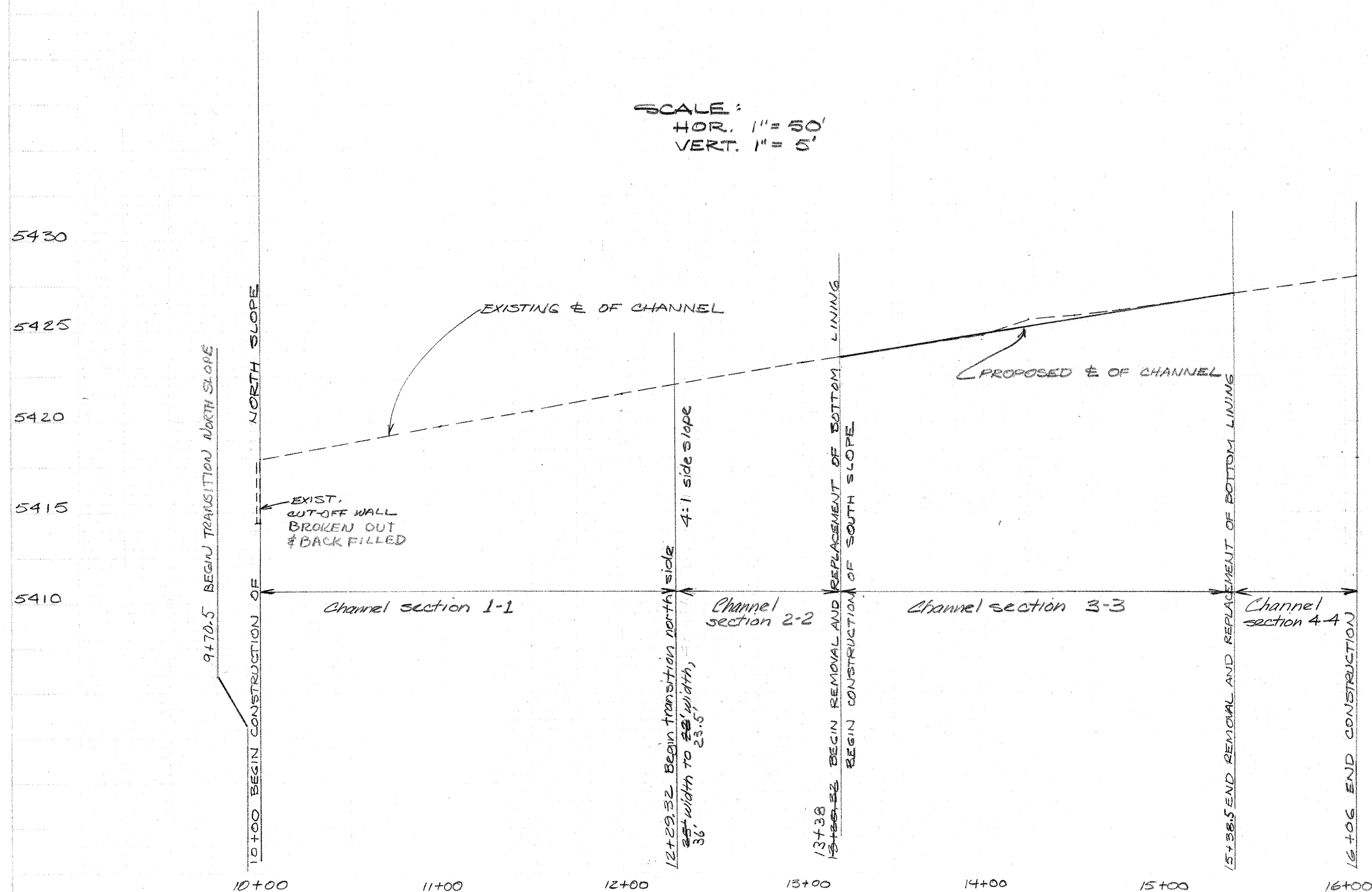
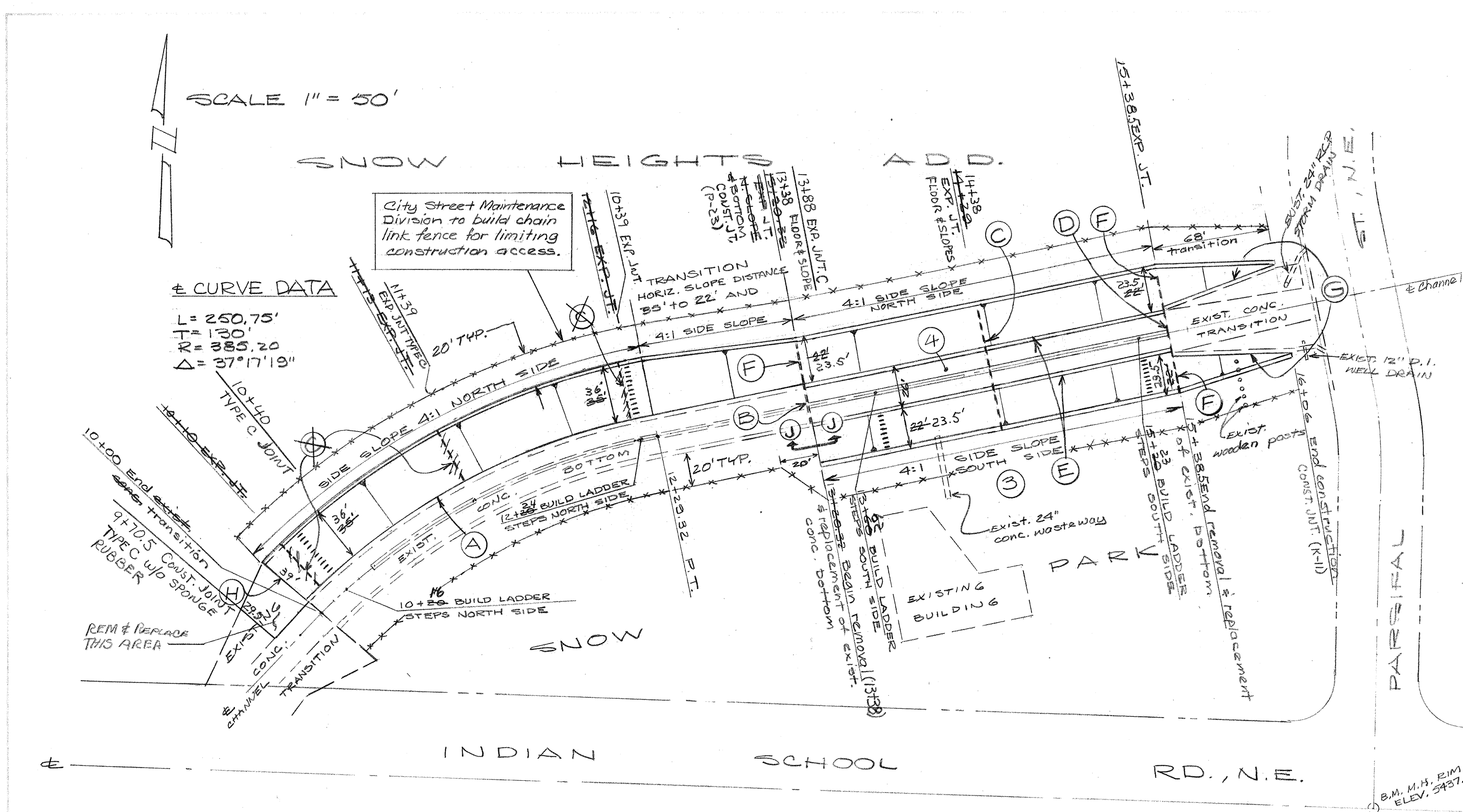
INDEX OF DRAWINGS

Sheet No.	Description
1.	TITLE SHEET
2.	PLAN & PROFILE
3.	CROSS SECTIONS FROM STA. 10+00 TO STA. 11+00, SEALANT CHART, HYDRAULIC DESIGN CRITERIA CHART.
4.	CROSS SECTION FROM STA. 11+50 TO STA. 13+75
5.	CROSS SECTION FROM STA. 14+00 TO STA. 15+52
6.	CHANNEL SECTIONS

20 030 0129

SHEETS 2 THRU 6
APPROVAL OF AS BUILT DRAWINGS
DATE 2-11-81

APPROVED FOR
CONSTRUCTION
Richard S. Miller 2/24/81
CITY ENGINEER DATE



NOTE:
 From Sta. 10+00 to 12+29.32 build channel section 1-1 (Sheet 6)
 From Sta. 12+29.32 to 13+38 build channel section 2-2.
 From Sta. 13+38 to 15+38.5 build channel section 3-3.
 From Sta. 15+38 to 16+06 build channel section 4-4.

- NOTES:**
- Subgrade under new lining shall be compacted to a minimum of 95%, as per ASTM D1557.
 - Contractor shall notify City Park Management Div. 15 working days prior to start of construction.
 - City Parks & Recreation Dept. shall remove turf and irrigation system within construction access limits prior to contractor moving in.
 - Remove concrete bottom lining from Sta. 13+38 to 15+38.5. Build 6" reinforced conc. lining. A field investigation during construction shall determine the actual limits of lining removal.
 - Trucks and heavy equipment are not allowed on the existing concrete lining. Contractor shall be responsible for damage.
 - Contractor shall be responsible for maintaining or restoring integrity of exist. water-stop at Sta. 15+20.32.
 - WATER STOP UNUSABLE. REMOVED WATER STOP & MADE CONSTRUCTION JOINT BY ELIMINATING SPONGE RUBBER.
 - EXPANSION JOINTS ON SLOPES MATCH EXISTING JOINTS ON FLOOR.
 - CONTRACTION JOINTS EVERY 10' TO MATCH EXISTING.
 - CONSTRUCTION & DUMMY JOINTS 1/4" WIDE & 1" DEEP.
 - SLOPE MEASUREMENTS REFLECT 4:1 SLOPE.

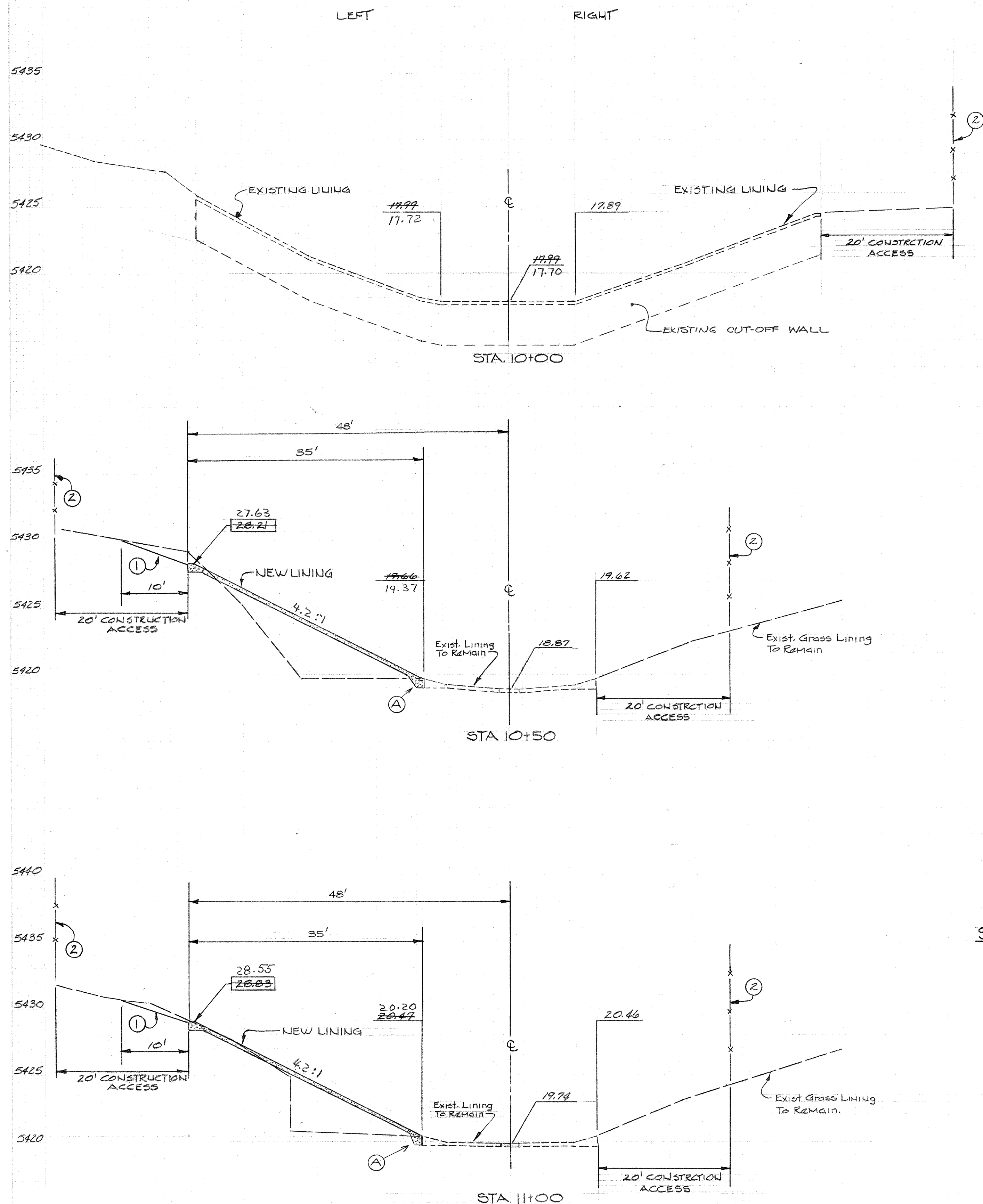
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FOR HYDRAULIC DESIGN
 CRITERIA SEE SHEET 3

EMBUDO ARROYO DRAINAGE EASEMENT
 THRU SNOW PARK

See sheet 1
 SH. 2/2/2018
 SD-29-30 H20
 2 OF 6

RIM SAS MH PARSIFAL AND INDIAN SCHOOL RD. ELEV. 5437.16		1-17-80		P. ANGEL	
1-H2O ACS BRASS TABLET SET IN TOP OF CONCRETE POST ABOUT 0.1 FT. BELOW TURF OF SNOW PARK		1-17-80		P. ANGEL	
NO.	DATE	REVISIONS	BY	DATE	DATE
DESIGNED BY	S. MIRANDA	DATE	DATE	DATE	DATE
DRAWN BY	B. EMMETT	DATE	DATE	DATE	DATE
CHECKED BY		DATE	DATE	DATE	DATE



SCALE: Horiz: 1"=10'
Vert: 1"=5'

HYDRAULIC DESIGN CRITERIA

INTERIOR PARSIFAL STRUCTURE:

B/H = BOHANNAN-HOUSTON STUDY

100 yr. STORM B/H = 4700 cfs.
DEPTH OF WATER = 5.9 ft.
FREEBOARD TO BOTTOM OF TOP SLAB = 3.1 ft.
V = 29.38 ft/sec. Q = 4753 cfs.

STA 16+06:

100 yr. STORM B/H = 4700 cfs.
DEPTH OF WATER = 5.2 ft.
FREEBOARD TO TOP OF LINING = 3.8 ft.
V = 32.78 ft/sec. Q = 4753 cfs.

STA 15+72:

100 yr. STORM B/H = 4700 cfs.
DEPTH OF WATER = LOWER 4.5 ft. UPPER 1.0 ft.
FREEBOARD TO TOP OF PROPOSED LINING = 1 ft.
V/LOWER = 30.33 ft/sec. Q = 3651 cfs.
V/UPPER = 29.79 ft/sec. Q = 1177 cfs.
TOTAL Q = 4828 cfs.

STA 13+20.32 TO 15+38:

100 yr. STORM B/H = 4700 cfs.
DEPTH OF WATER = 4.29 ft.
FREEBOARD TO TOP OF LINING = 1.71 ft.
Q = 4861 cfs. V = 29.38 ft/sec

STA 10+50 TO 12+29.32

100 yr. STORM B/H = 4700 cfs.
DEPTH OF WATER = 4.6 ft.
FREEBOARD TO TOP OF LINING = 4.15 ft.
Q = 4749 cfs.

NOTE:

- DRESS UP CONSTRUCTION ACCESS TO MATCH EXISTING GRADE WITHIN 10 FEET FROM EDGE OF CONCRETE CHANNEL.
- CITY STREET MAINT. DIVISION TO BUILD FENCE TO LIMIT CONSTRUCTION ACCESS. CALL STREET MAINTENANCE ENGINEER 766-7755, 15 WORKING DAYS BEFORE SCHEDULED STARTING DAY.

ETERNAFLEX 2-PART URETHANE SEALANT USED

ACCEPTABLE SEALANTS

No.	POLYSULFIDE SEALANT	COMPANY	No.	POLYURETHANE SEALANT	COMPANY
#1	POLY-SEAL 2000 (1 COMP) CANAL SEAL	AMERICAN POLY-ETHER CO. PO BOX 38649 SACRA, CALIF.	#1	POLY-SEAL 2000 (1 COMP)	AMER. POLY-ETHER CO. PO BOX 38649 SACRA, CALIF.
#2	POLY-SEAL E-4 (INCL PRIMER) (2 COMP)	CONCRETE SYSTEMS, 3120 RICHMOND NE, ALBU.	2	VULLEN 127 (2 COMP)	NAMECO INTER, SMALLER 500 494 MTH, RICHMOND, ALBU.
3	SONOLASTIC TWO PART (2 COMP)	CONCRETE SYSTEMS, 3120 RICHMOND NE, ALBU.	3	SONOLASTIC NP-I (1 COMP)	CONCRETE SYSTEMS, 3120 RICHMOND NE, ALBU.
			4	SONOLASTIC NP-II (2 COMP)	CONCRETE SYSTEMS, 3120 RICHMOND NE, ALBU.
			5	VULKEN 116 (1 COMP)	NAMECO INTER, SMALLER 500 494 MTH, RICHMOND, ALBU.
			6	PRE RUBBER CALK 6600 (1 COMP)	BURKE CO. 5440 PAN AMER. FW N.E. ALBU.

NOTE:

CONTRACTOR WILL INFORM CITY DESIGN SECTION AS TO HIS SEALANT SELECTION. CITY DESIGN SECTION WILL THEN PREPARE A JOINT DETAIL FOR SELECTED MATERIAL.

* PREFERRED PRODUCTS

EMBUDO ARROYO DRAINAGE CHANNEL
THRU SNOW PARK

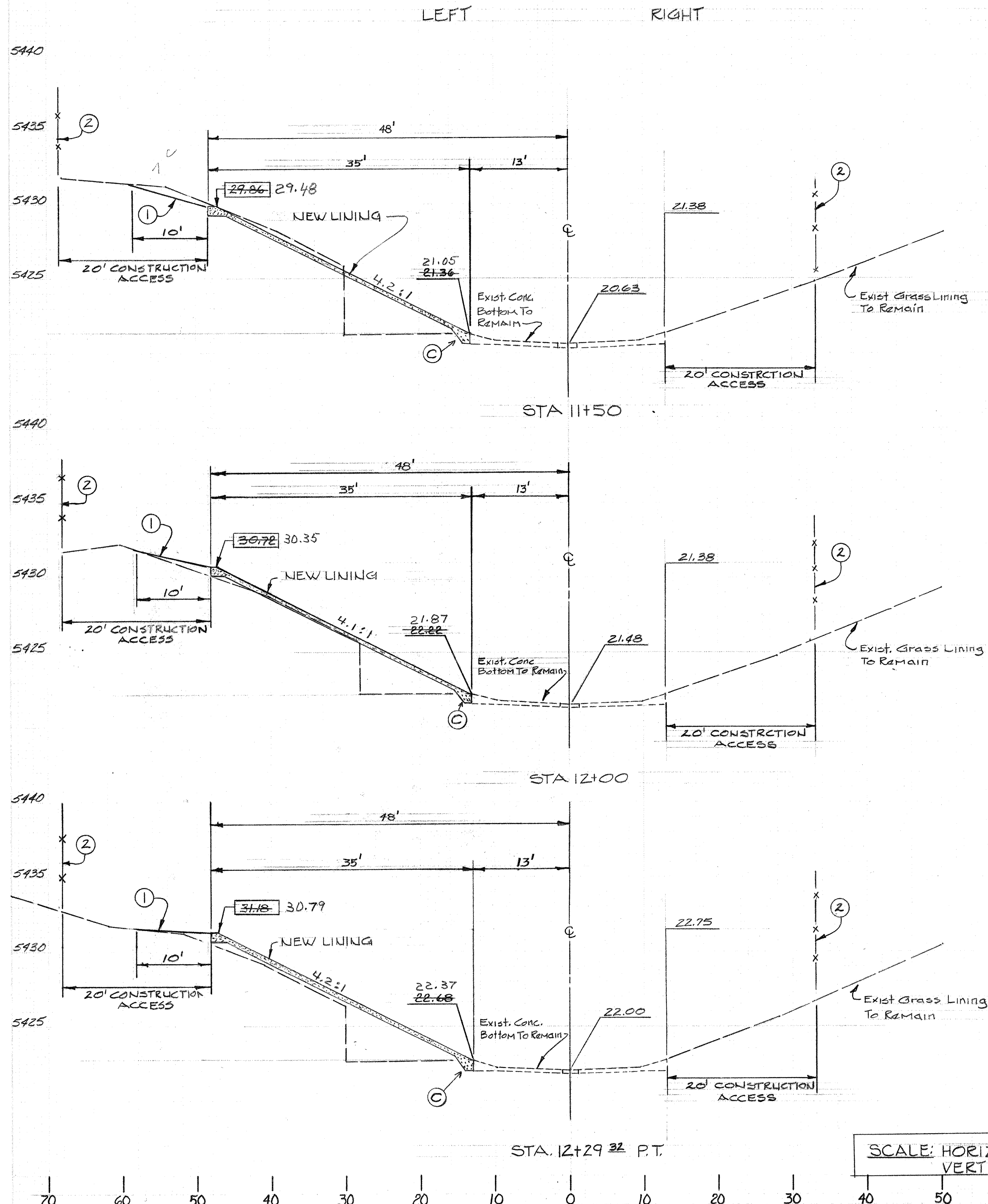
See Sheet 1

11/1/80

11/1/80

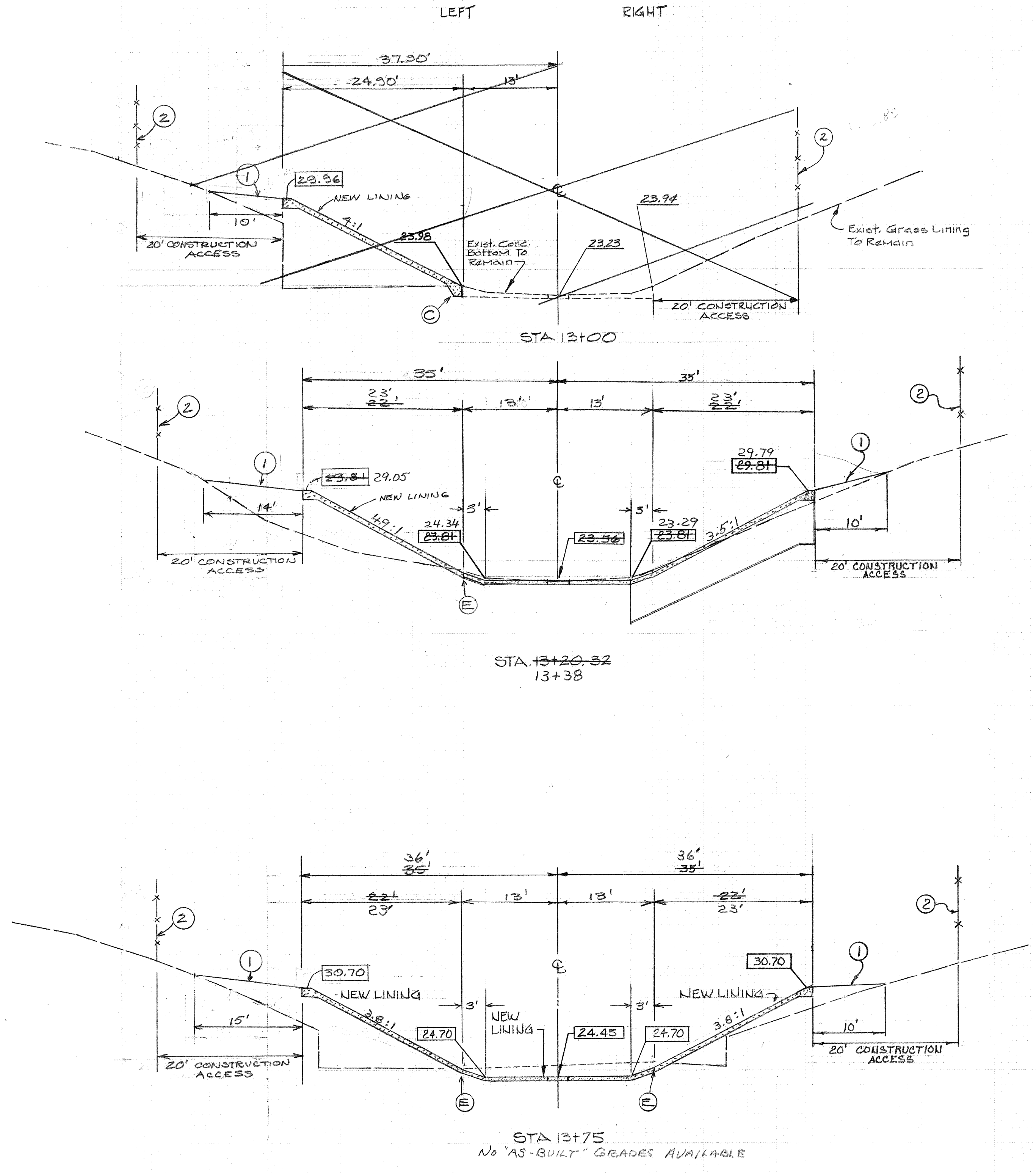
SD-29-30

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SCALE: HORIZ 1"=10'
VERT 1"=5'

- NOTE:**
- ① DRESS UP CONSTRUCTION ACCESS TO MATCH EXISTING GRADE WITHIN 10' OF EDGE OF CONC. CHANNEL, UNLESS OTHERWISE INDICATED.
 - ② CITY STREET MAINT. DIVISION TO BUILD FENCE TO LIMIT CONSTRUCTION ACCESS. CALL STREET MAINTENANCE ENGINEER 766-7755, 15 WORKING DAYS BEFORE SCHEDULED STARTING DAY.



STA 13+75
No 'AS-BUILT' GRADES AVAILABLE

20 030 0429

EMBUDO ARROYO DRAINAGE CHANNEL
THRU SNOW PARK

See Spec 11/1/10
Parks & Rec 11/1/10
SD-29-30

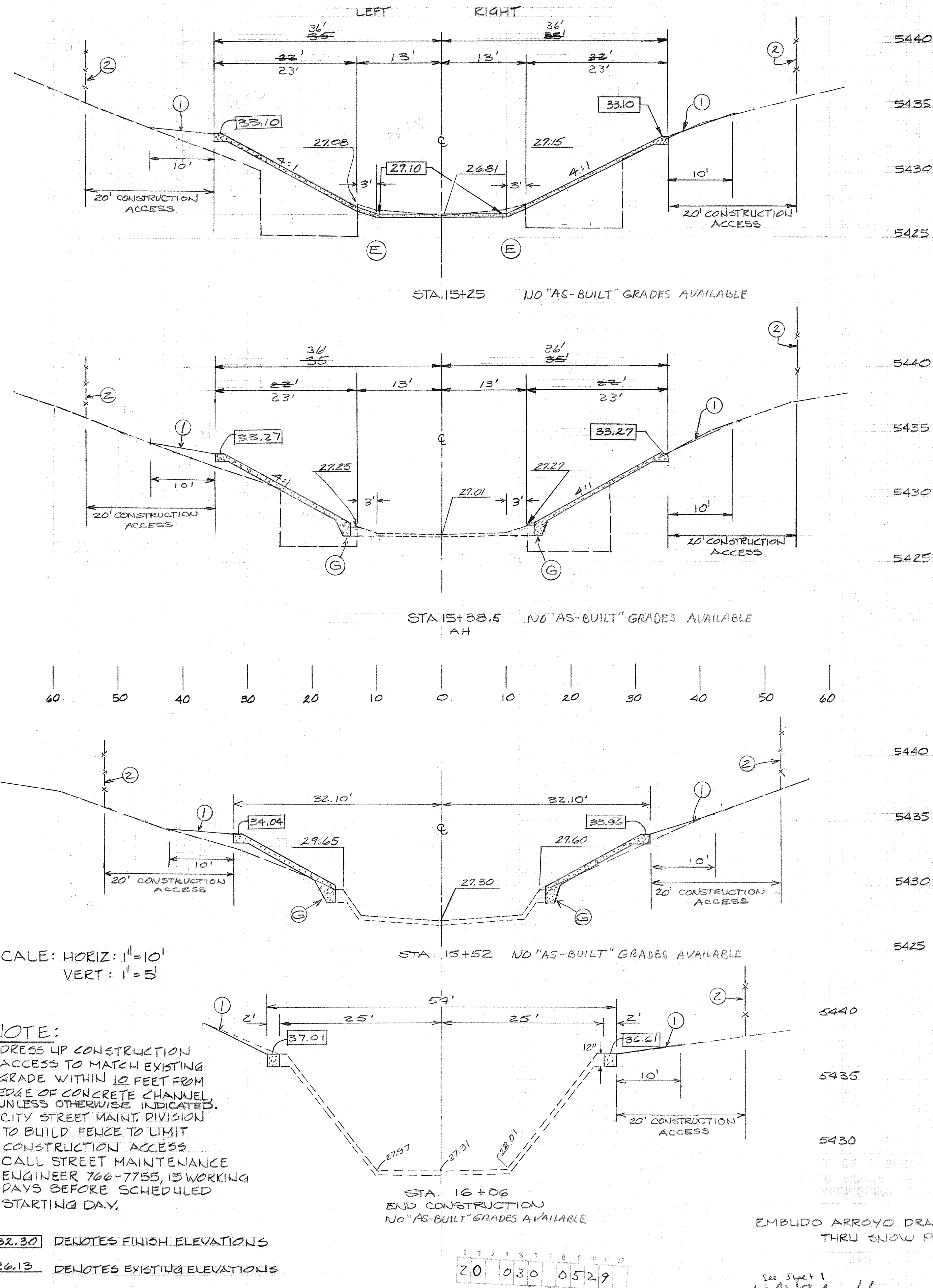
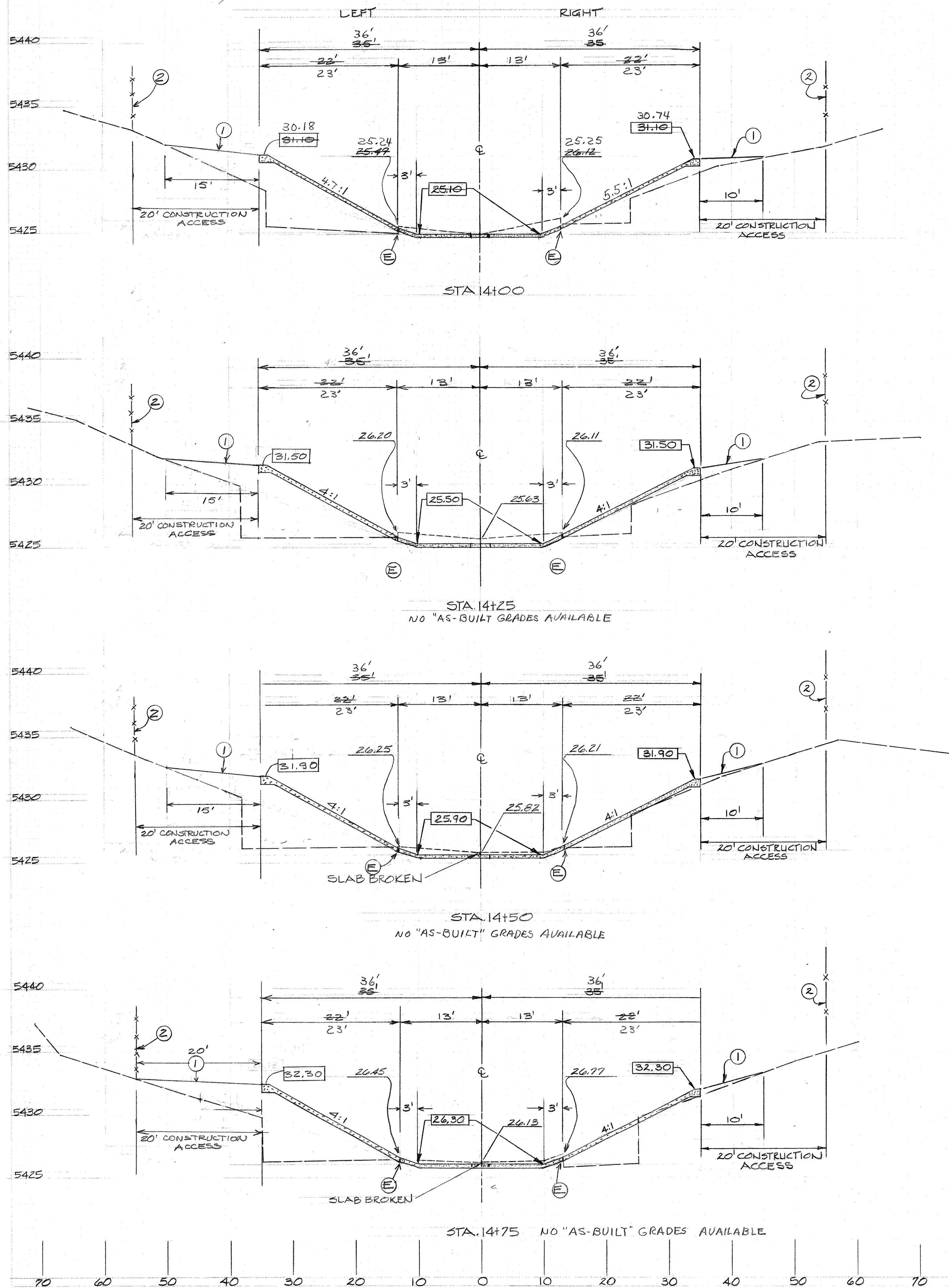
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RIM S.S. PARISHAL & INDIAN SCHOOL RD.
ELEV. 5437.16
ALSO TOP OF CONC. END OF TRANS
SOUTH SIDE ELEV. 5425.94
BM, 11-11-20 ACS BRASS TABLET, STAMPED
11-11-20 1969 SET IN TOP OF A CONCRETE
POST WHICH IS ABOUT 0.1 FT. BELOW
THE TURF OF SNOW PARK.

H-20

DESIGNED BY C. TOMLINSON
DRAWN BY S. CHAVEZ
CHECKED BY
DATE OCT 29, 80

APPROVAL ENGINEER DATE



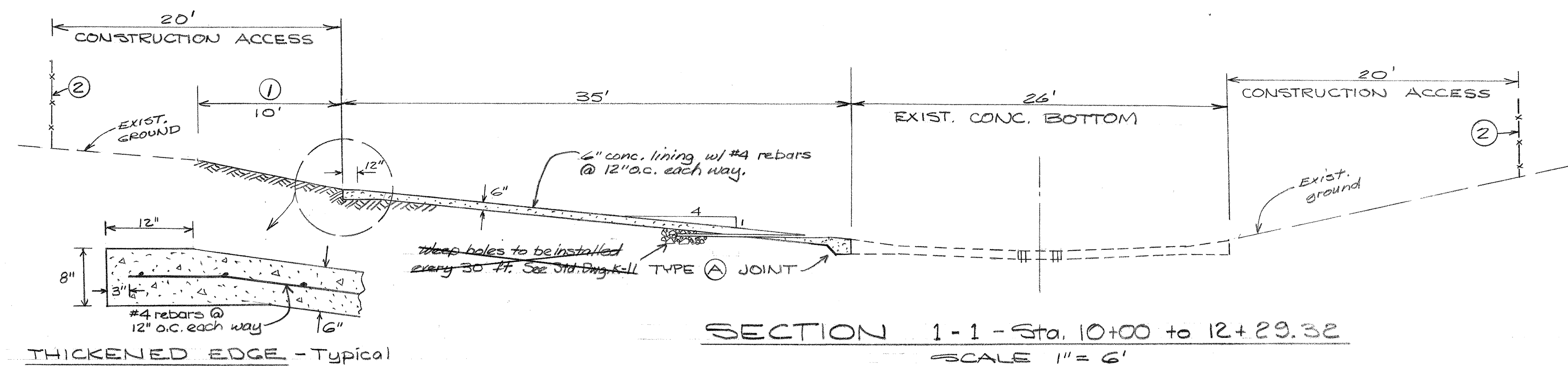
EMBUDO ARROYO DRAINAGE CHANNEL
THRU SNOW PARK

SD-29-30

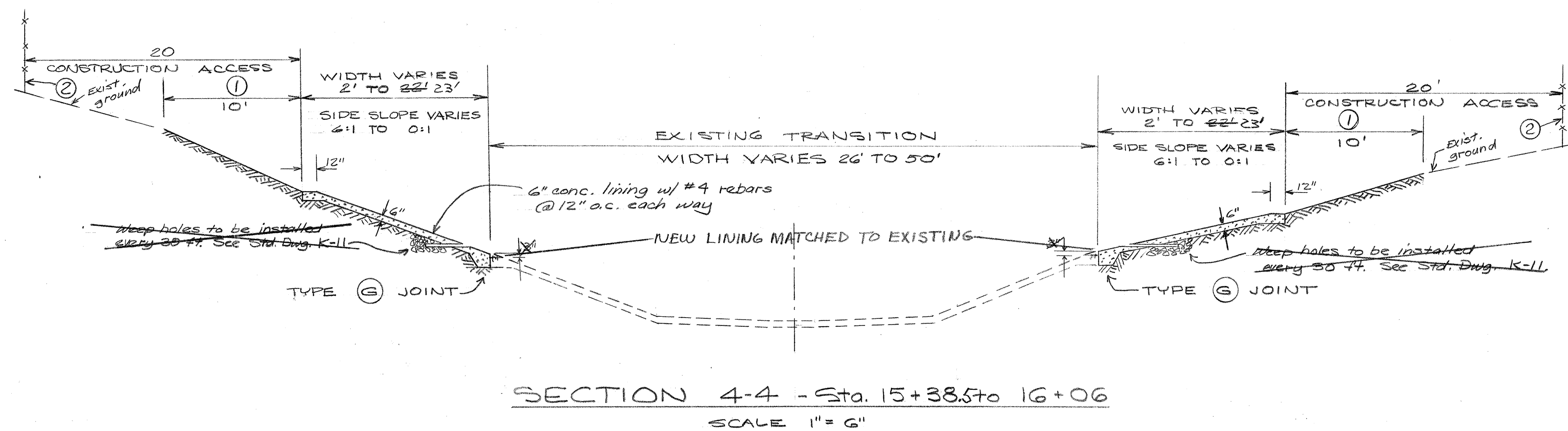
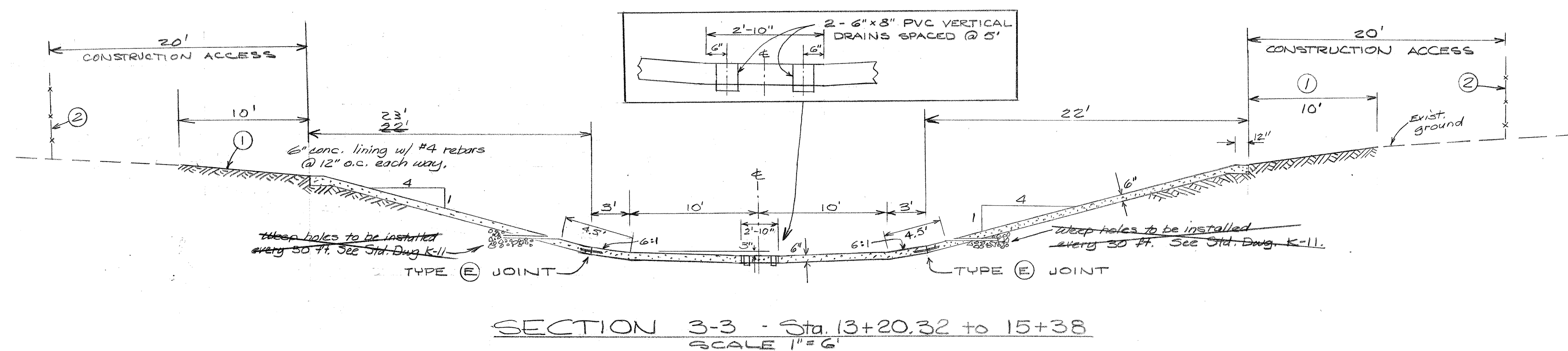
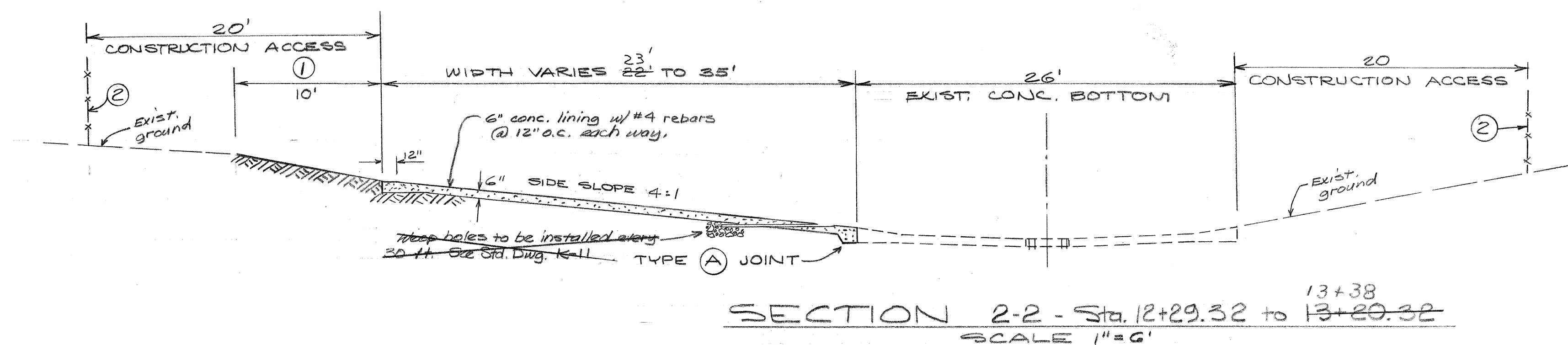
RIM S.S. PARISHAL & INDIAN SCHOOL RD.
ELEV. 5437.16
ALSO TOP OF CONC. END OF TRAILS
SOUTH SIDE ELEV. 5425.94
B.M. 1-120 ACS BRASS TABLET STAMPED
11-420, 1969 SET IN TOP OF A CONCRETE
POST WHICH IS ABOUT 2 1/4" BELOW
THE TOP OF SNOW PARK.

ANGEL,
J. DURAN
C. CHAVEZ
J. GARCIA

REVIEWED BY C. TOMLINSON
DATE OCT 28, 2000
DESIGNED BY S. CHAVEZ
DATE



FOR CONSTRUCTION
NOTES SEE SH. 2



2.0 030 0629

CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT ENGINEERING DIVISION				
TITLE: EMBUDO ARROYO DRAINAGE EASEMENT THROUGH SNOW PARK				
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER
City Engineer	See Sheet 1		Liquid Waste	
A.C.E. - Design	See Sheet 1	3/26/81	Traffic	
A.C.E. - Hydrology	See Sheet 1	2/2/81	Water	
DESIGNED BY	S. MIRANDA	DATE	DRAWN BY	B. EMMETT
CHECKED BY		DATE		
DRAWING NO. SD-29-30		MAP NO. H20	SHEET 6 OF 6	