

LAKE COUNTY
LAK-20-17.14

SUB-SUMMARIES

SEEDING 1912 SQ. YDS.
TEMP. SEEDING 180250. YDS.
ITEM A 6412 CU. YDS.
ITEM B 0 CU. YDS.
ITEM C 3832 CU. YDS.
ITEM D 2949 CU. YDS.
ITEM E 1374 CU. YDS.

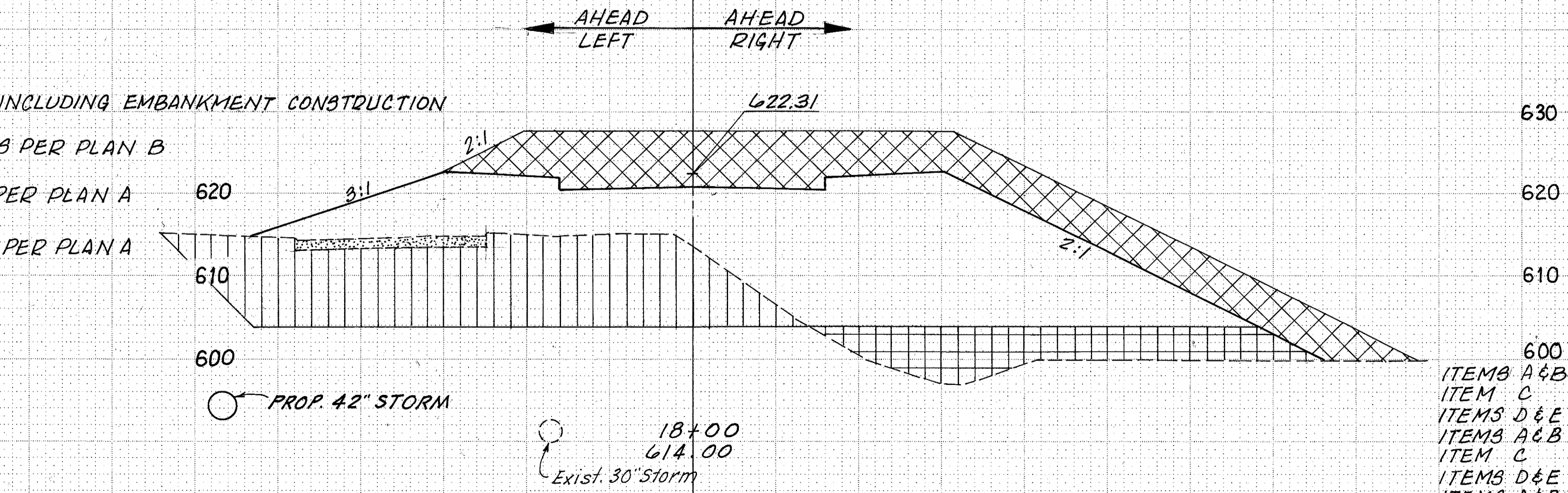
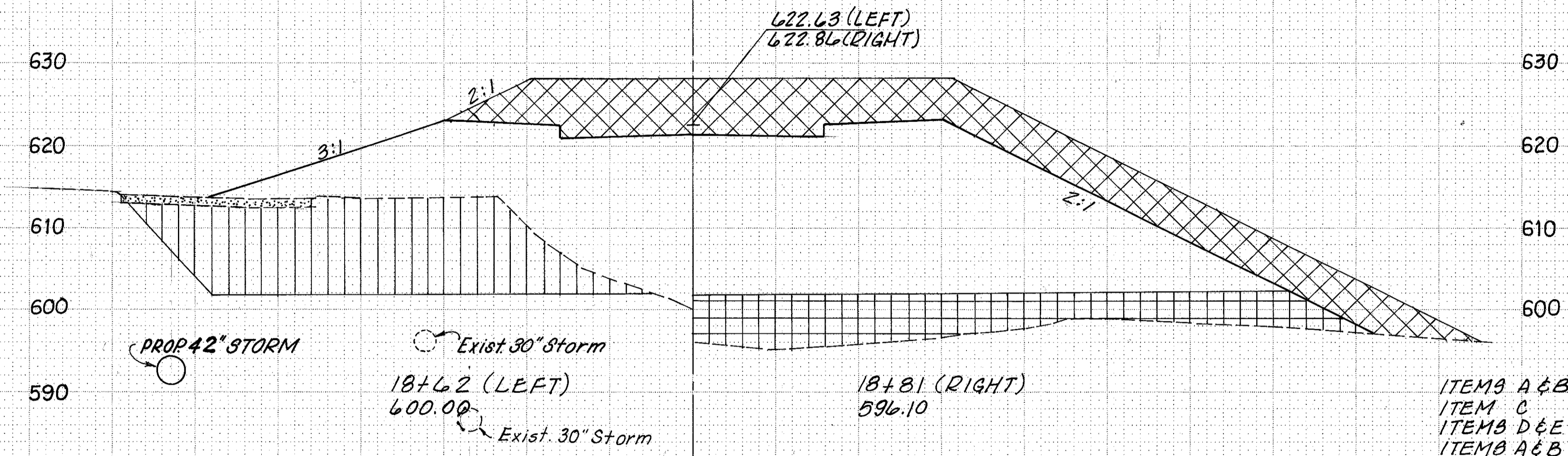
ITEM C'
 $.25(10)^2(5)(\frac{1}{27}) = 5$
 $\frac{1}{2}(18)(36)(20)(\frac{1}{27}) = 140$
145 R=30', H=13'

ITEM A'
SPILL QUANTITIES (LT)
 $.25(30)^2(13)(\frac{1}{27}) = 108$
 $\frac{1}{2}(12)(24)(30)(\frac{1}{27}) = 160$
268 USE 300

ITEM A'
SPILL QUANTITIES (RT)
VOL. OF CONE = $R^2 H$ (SIMPL.)
R=40', H=21'
PARTIAL CONE = $90^\circ = .25$
 $\frac{360^\circ}{40^2(21)(.25)(\frac{1}{27})} = 311$ CU. YDS.
 $\frac{1}{2}(20)(40) \times 30(\frac{1}{27}) = 444$ CU. YDS.
755 USE 800
300
1100

ITEM C'
 $\frac{1}{4}(32)^2(26)(\frac{1}{27}) = 340$ C.Y.
 $\frac{1}{27}(\frac{1}{2})(26)(52)(30) = 444 = 307$
647
145
792
USE 800

SEEDING	TEMPORARY SEEDING	END AREA	CU. YDS.
LIN. SQ. FT. YDS.	LIN. SQ. FT. YDS.	CUT	FILL
83	102		
66	31		
545	882		
572	214		
75	94		
61	31		
141	125		
795	706		



LEGEND

- ITEM A-EMBANKMENT
- ITEM B-EXCAVATION, NOT INCLUDING EMBANKMENT CONSTRUCTION
- ITEM C-EMBANKMENT, AS PER PLAN B
- ITEM D-EXCAVATION, AS PER PLAN A
- ITEM E-EMBANKMENT, AS PER PLAN A
- PAVEMENT REMOVED

ITEMS	CUT	FILL	CUT	FILL	ITEMS
ITEMS A & B (RIGHT)	0	1004			ITEMS A & B (RT.)
ITEM C (RIGHT)		509			ITEM C (RT.)
ITEMS D & E (RIGHT)	0	388			ITEMS D & E (RT.)
ITEMS A & B (LEFT)	0	604			ITEMS A & B (LT.)
ITEM C (LEFT)		165			ITEM C (LT.)
ITEMS D & E (LEFT)	542	0			ITEMS D & E (LT.)
ITEMS A & B (AHEAD, RIGHT)	0	814			ITEMS A & B (RT.)
ITEM C (AHEAD, RIGHT)		476			ITEM C (RT.)
ITEMS D & E (AHEAD, RIGHT)	70	231			ITEMS D & E (RT.)
ITEMS A & B (AHEAD, LEFT)	0	319			ITEMS A & B (LT.)
ITEM C (AHEAD, LEFT)		162			ITEM C (LT.)
ITEMS D & E (AHEAD, LEFT)	619	0			ITEMS D & E (LT.)
ITEMS A & B (BACK)	0	537			ITEMS A & B (RT.)
ITEM C (BACK)		638			ITEM C (RT.)
ITEMS D & E (BACK)	691	231			ITEMS D & E (RT.)
ITEMS A & B	0	1525			ITEMS A & B
ITEM C		1179			ITEM C
ITEMS D & E	1511	445			ITEMS D & E