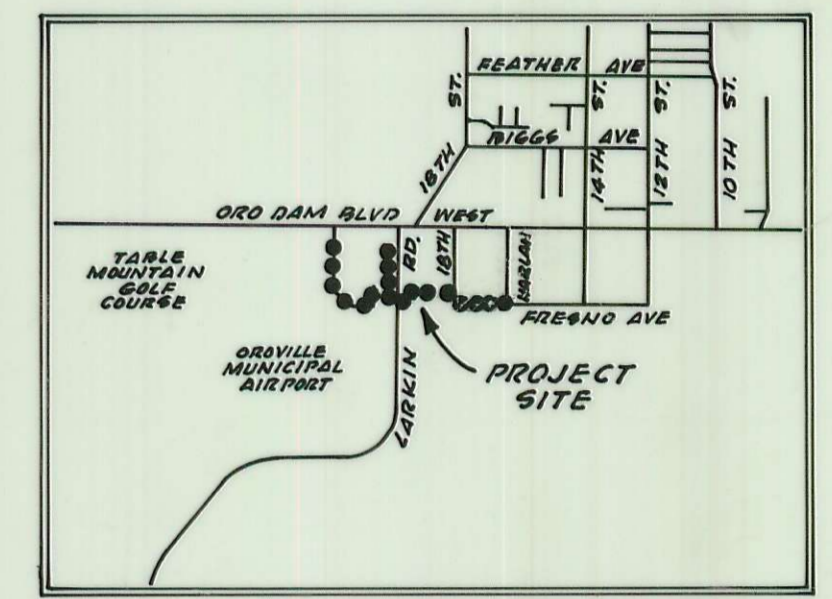
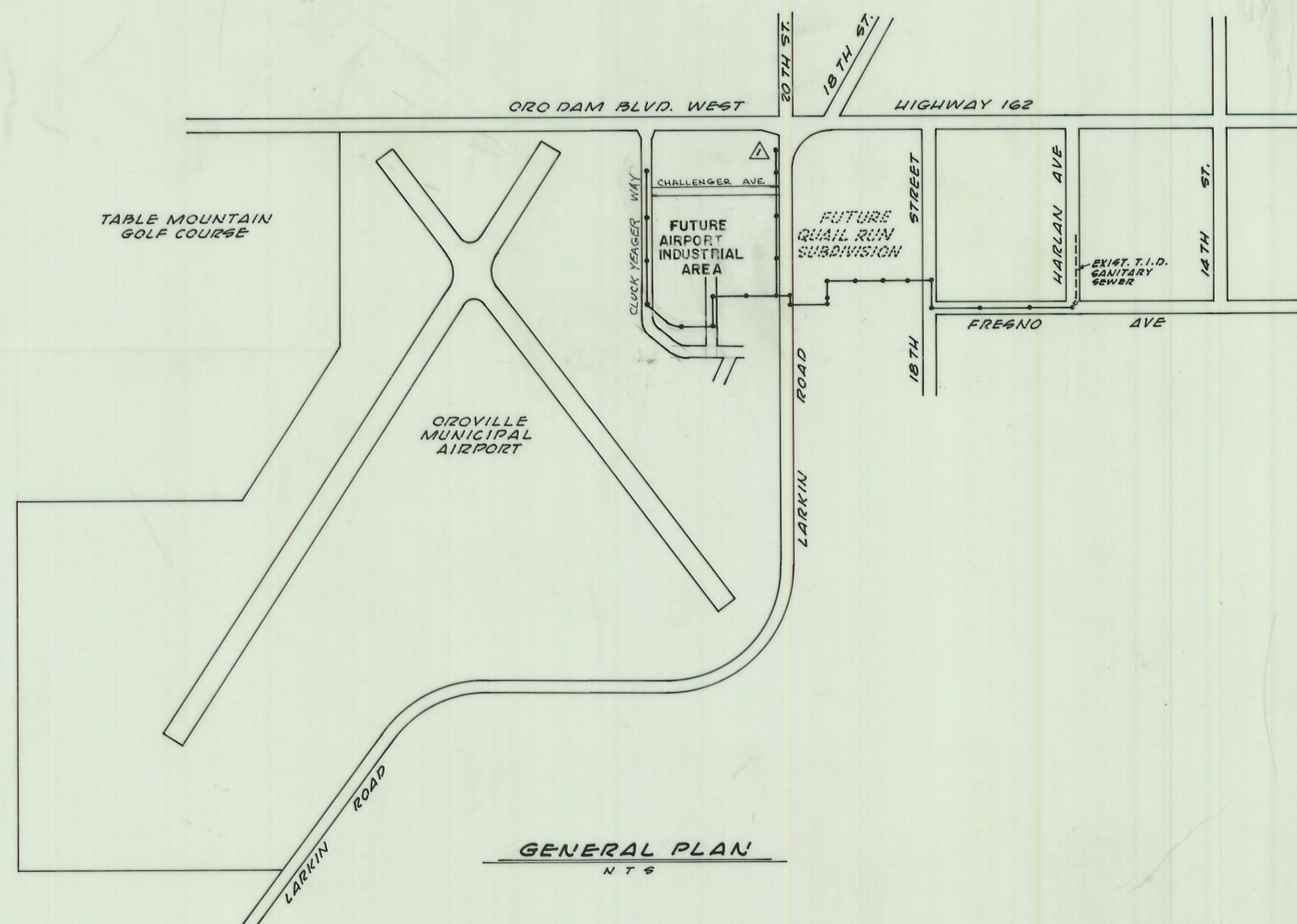


CITY OF OROVILLE

SANITARY SEWER EXTENSION FOR OROVILLE MUNICIPAL AIRPORT

GENERAL NOTES

1. All materials and construction shall be in strict conformance with requirements of the City of Oroville, State of California and County of Butte, as set forth in specification and as shown on these plans.
 2. Approval of City Public Works Department representative is required on completed work within the public right of way prior to:
 - (A) Placing of any concrete
 - (B) Placing of aggregate base.
 - (C) Placing of asphalt concrete, prime coat, fog seal, etc.
 - (D) Backfilling trenches for sewer pipe.
- Work done without such approval shall be done at the Contractors risk. Such approval, when given shall not relieve the Contractor from the responsibility of performing the work in an acceptable manner.
3. The types, locations, sizes and/or depths of existing underground utilities as shown on these improvement plans were obtained from sources of varying reliability. The Contractor is cautioned that only actual excavation will reveal the number, types, extend, sizes, location and depth of such underground utilities. A reasonable effort has been made to locate and delineate all known underground utilities. However, Barnhart-Brown & Associates, can assume no responsibility for the completeness or accuracy of its delineation of such underground utilities nor for the existence of other buried objects or utilities which may be encountered, but which are not shown on these drawings.
 4. The Contractor is hereby notified that prior to commencing construction, he is responsible for contacting the utility companies involved and verifying at the Construction site the locations of all utilities as shown on these improvements plans or discovered in the field. Contractor shall notify Underground Service Alert (PH. 800-642-2444) 48 hours in advance of any work.
 5. The Contractor shall remove all obstructions, both above ground and underground, except as indicated on the plans as necessary for the construction of the proposed improvements.
 6. The Contractor shall be solely and completely responsible for condition of premises on which the work is performed and for safety of all persons and property on the site, both during and outside of normal working hours, until such work is accepted by the owner.
 7. Sufficient equipment shall be available to provide dust control at all times during earthmoving operations. Areas surrounding the work shall be kept clean and returned to original conditions upon completion of this contract.
 8. Invert elevations shown are calculated from centerline of manhole to centerline of manhole.
 9. Contractor shall obtain an encroachment permit from the County of Butte prior to commencement of work.
 10. Structure backfill in county right of way shall not have a sand equivalent value less than 30. Pea gravel shall not be used in county right of way.
 11. All installation of 10" ϕ & 15" ϕ Sanitary Sewer Line shall be P.V.C.



LOCATION MAP
N T S

SHEET INDEX

- 1 TITLE SHEET, GENERAL NOTES, ETC.
- 2 AIRPORT ROAD TO LARKIN ROAD
- 3 WEST SIDE OF LARKIN ROAD
- 4 LARKIN ROAD TO HARLAN AVENUE
- 5 GRADING PLAN

AS BUILT

APPROVED

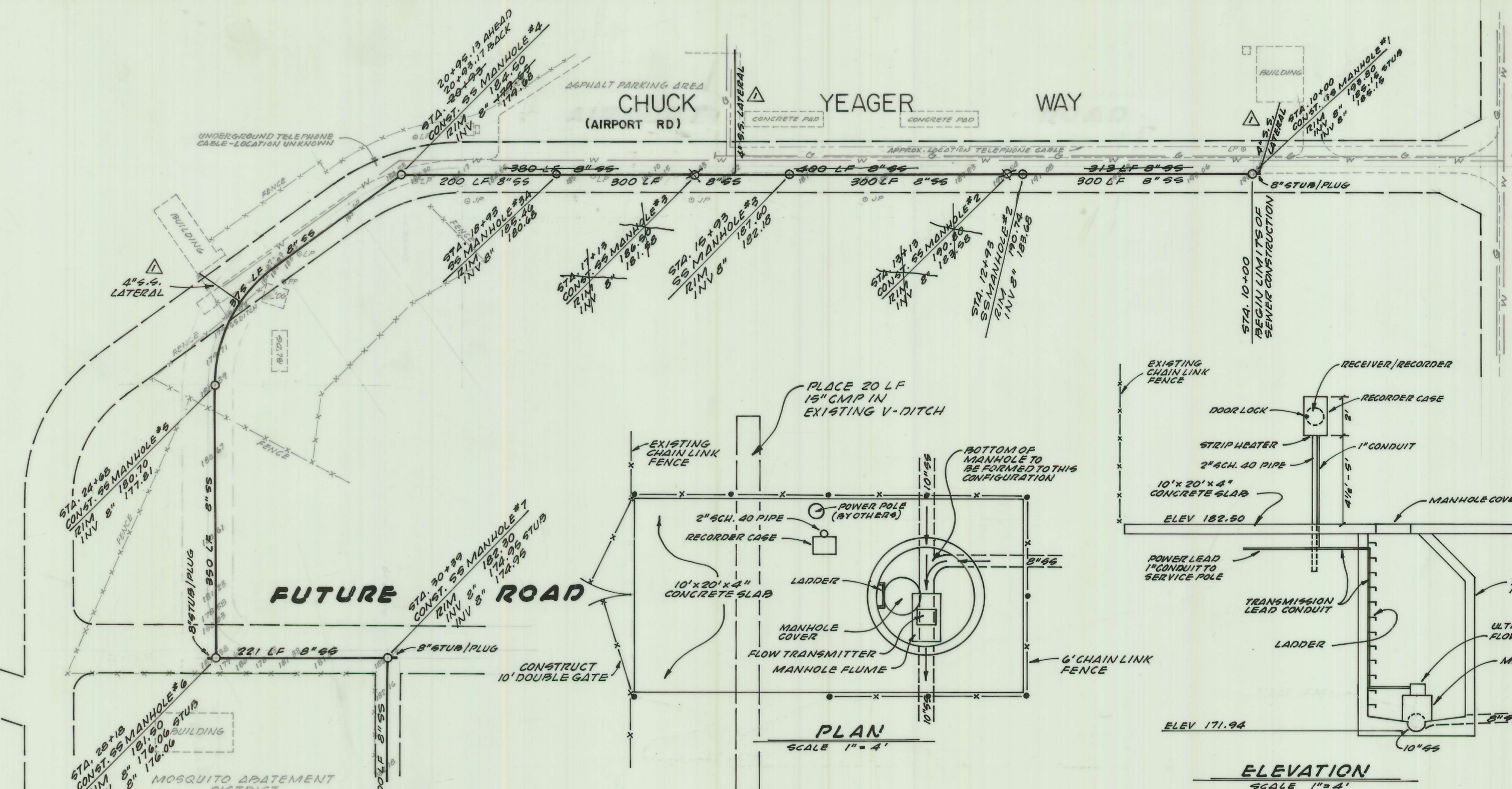
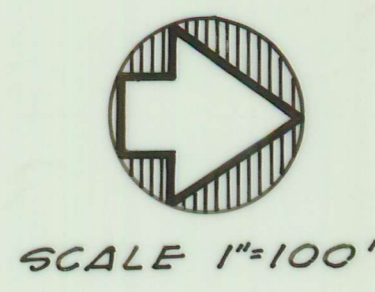
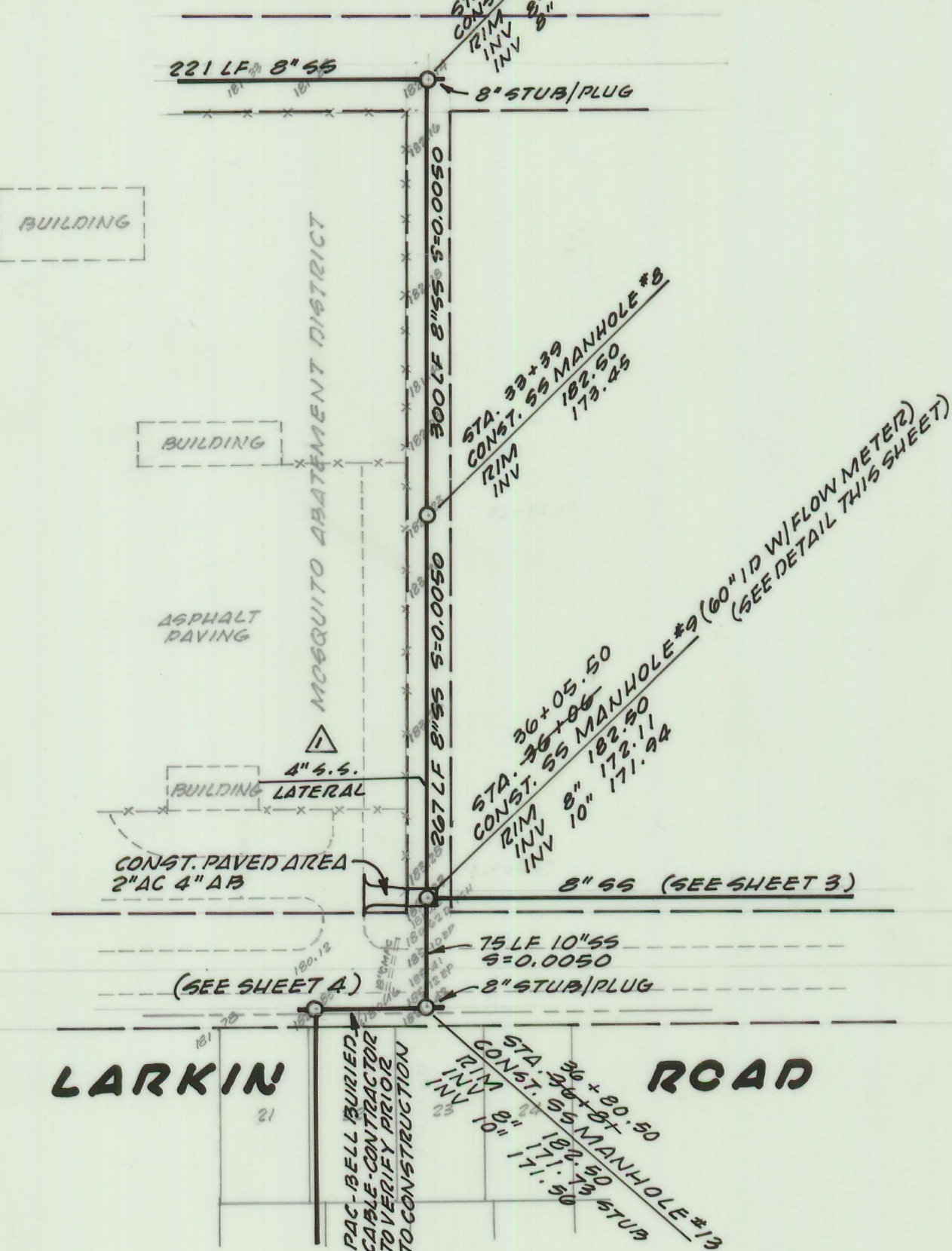
 JAMES O. SCHMIDT
 MANAGER
 THERMALITO IRRIGATION DIST.
 2-7-86
 DATE

APPROVED

 KIRT M. HUNTER
 DIRECTOR OF PUBLIC WORKS
 CITY OF OROVILLE, CA.
 2-7-86
 DATE

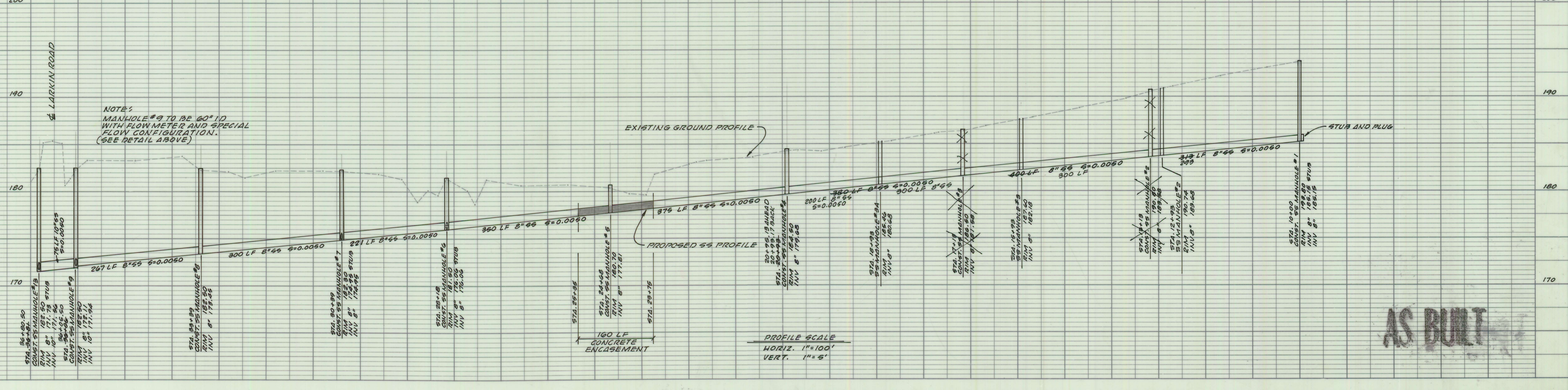
DATE NR	REVISION	BY APP'D	FIELD BOOK	DRAWN LANE	DESIGNED	CHECKED A.G.P.	SCALE AS SHOWN	ALAN G. BROWN	RCE 24578	2-28-86	Barnhart-Brown & Associates	CITY OF OROVILLE	OROVILLE MUNICIPAL AIRPORT	SEWER EXTENSION	SHEET 1 OF 5	JOB NO 85110
			ELEVATION DATUM BENCH MARK P-723 USC 1944 B.C. MONUMENT, 126' SOUTH OF ORO DAM BLVD, 10' EAST OF AIRPORT ROAD EXT. ELEV = 149.45													

FUTURE ROAD



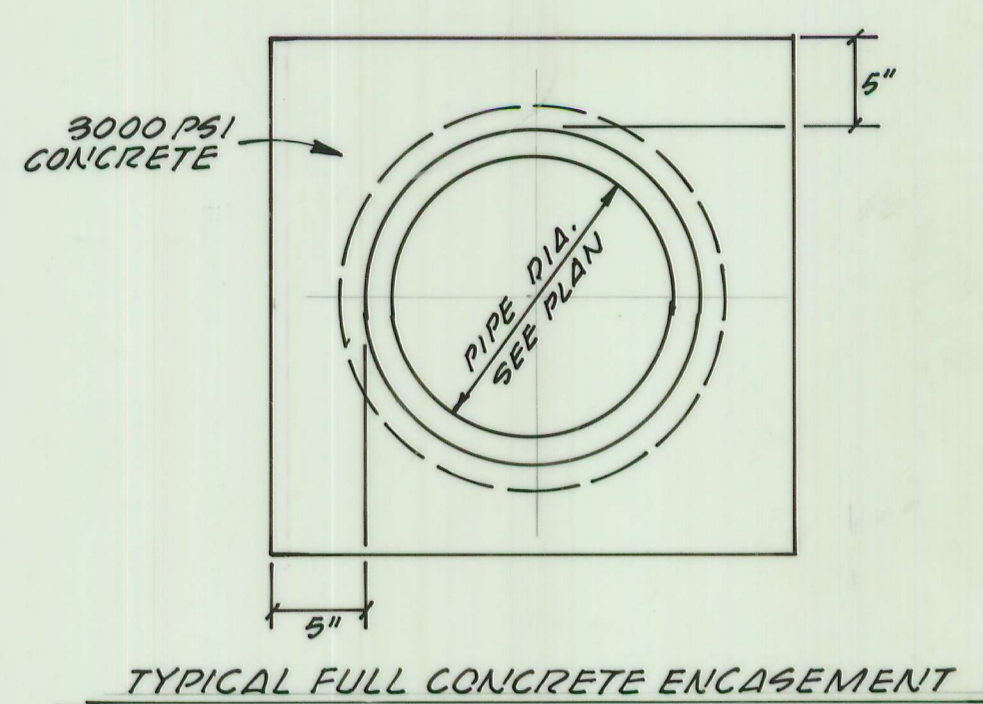
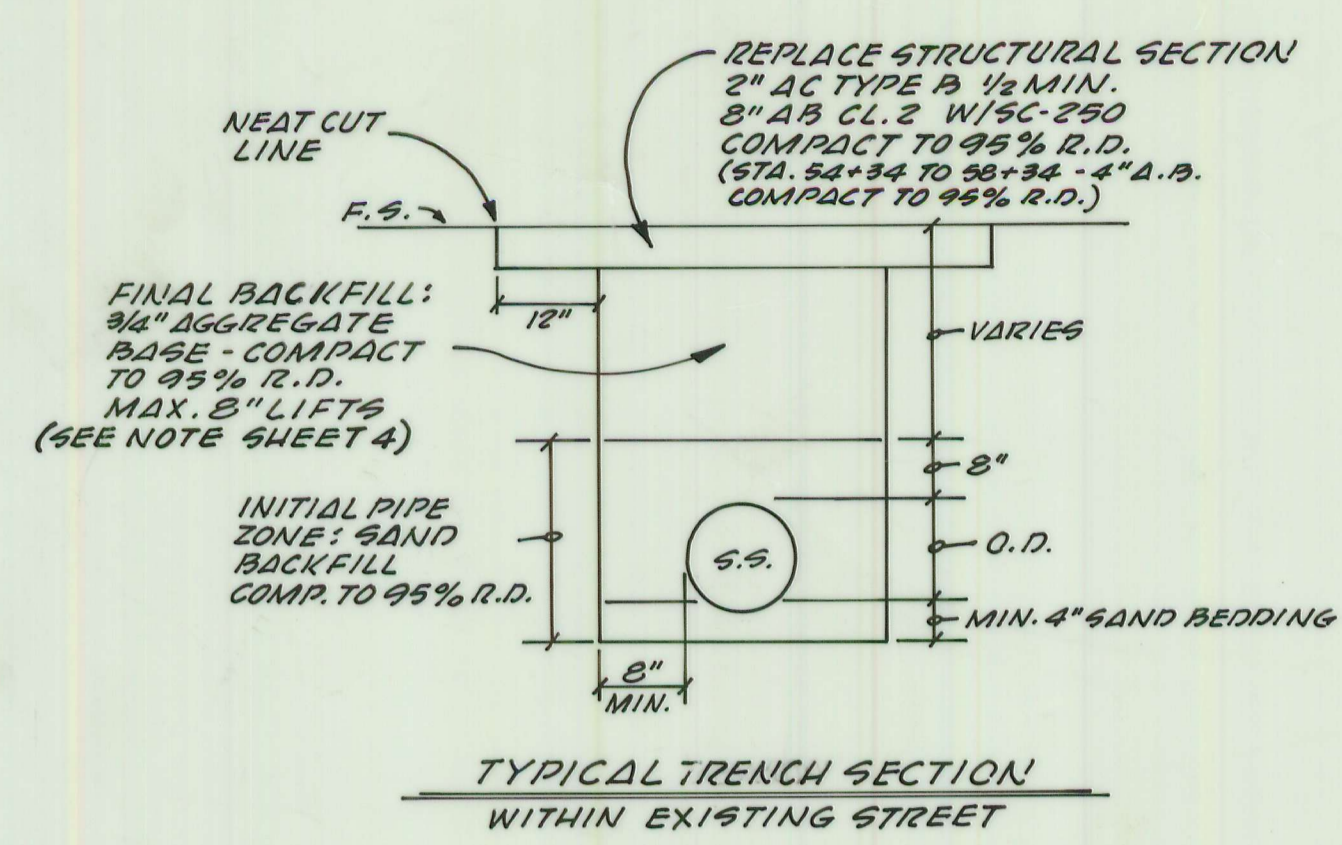
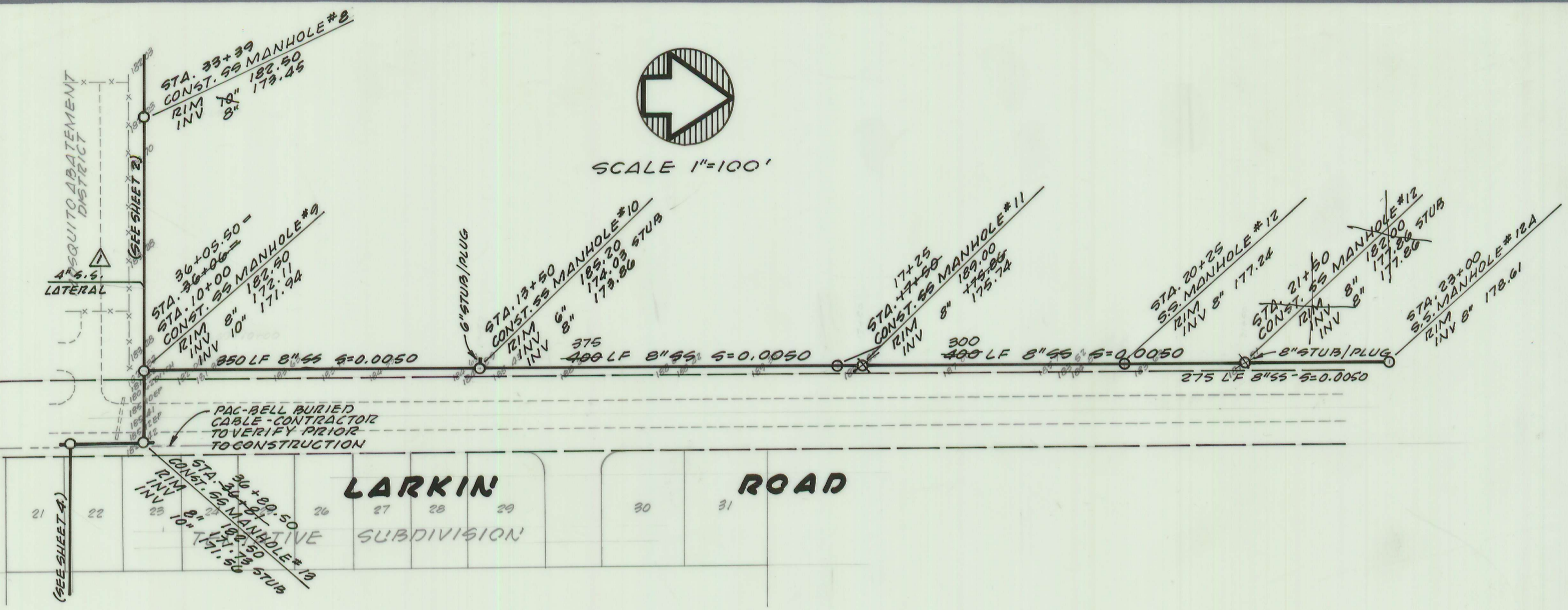
MANHOLE FLUME AND FLOW MEASUREMENT EQUIPMENT AT MANHOLE #9

Station	Proposed Sewer Line Invert Elevation	Existing Ground Elevation at Sewer Line
37	171.15	182.9
36	171.65	182.9
35	172.15	182.9
34	172.65	182.1
33	173.15	182.0
32	173.65	182.2
31	174.15	182.0
30	174.65	180.5
29	175.15	181.0
28	175.65	181.0
27	176.15	180.6
26	176.65	180.5
25	177.15	179.6
24	177.65	182.8
23	178.15	183.5
22	178.65	184.2
21	179.15	184.4
20	179.65	185.2
19	180.15	185.9
18	180.65	186.5
17	181.15	187.1
16	181.65	188.5
15	182.15	189.5
14	182.65	190.7
13	183.15	191.8
12	183.65	192.8
11	184.15	193.7
10	184.65	

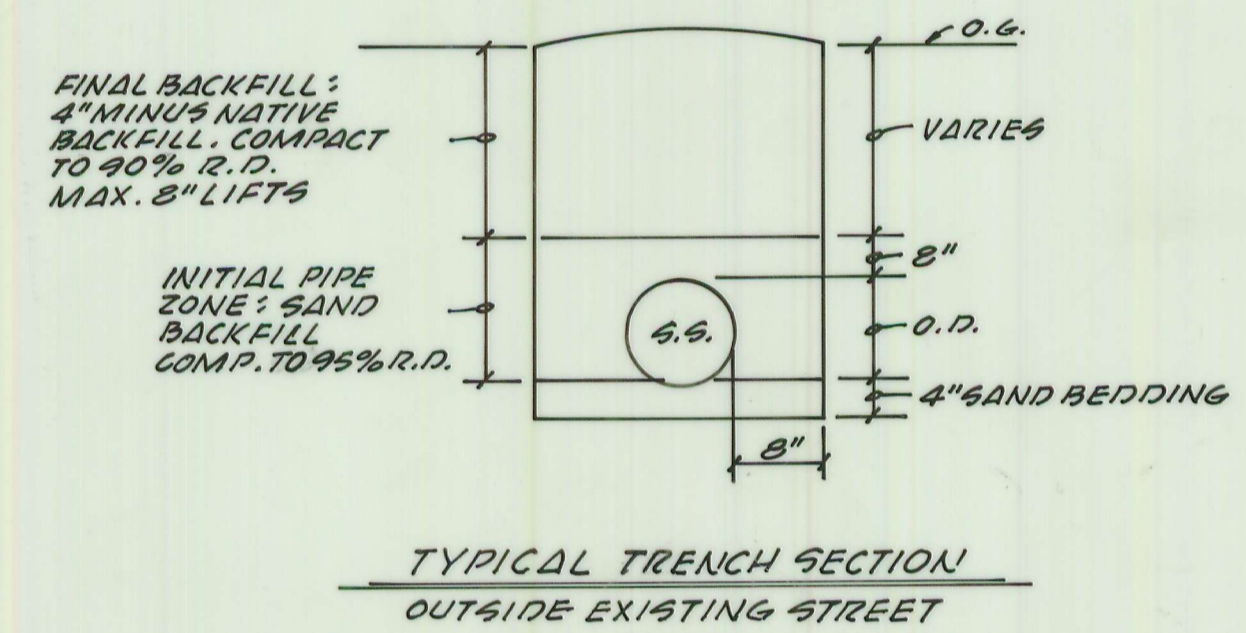


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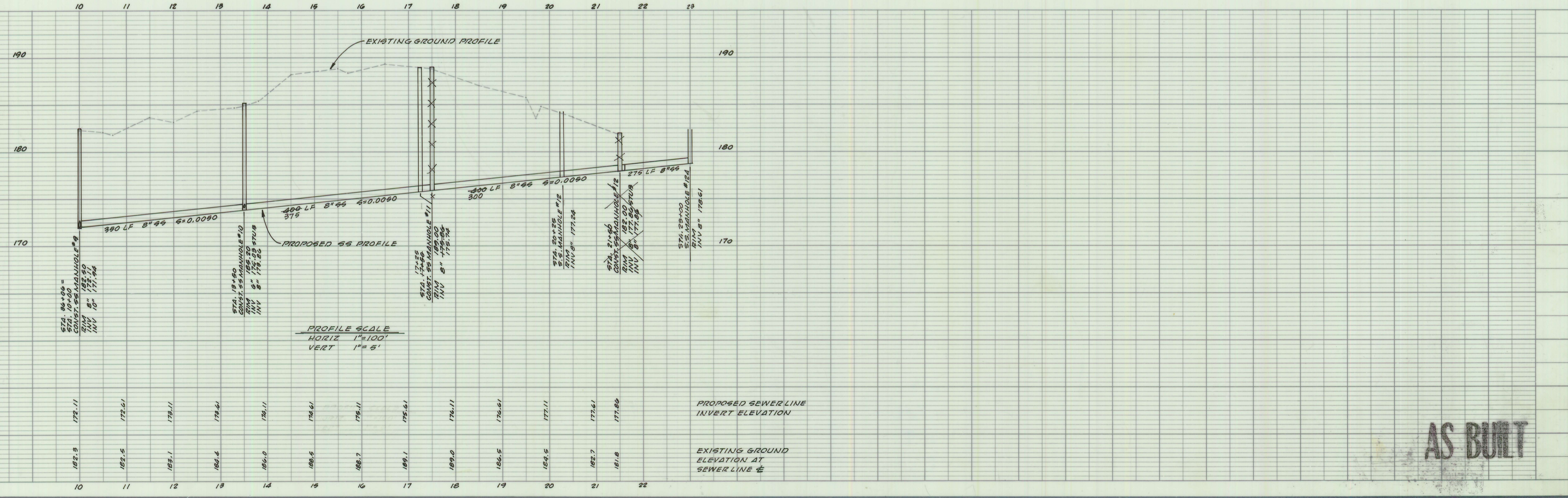
1/15/14 AS BUILT DATE	L4 REVISION BY APP'D	FIELD BOOK ELEVATION DATUM	DRAWN LANE DESIGNED CHECKED A.C.B. SCALE AS SHOWN APPROVED	 P.O. Box 1576 Oroville, CA 95965 CIVIL ENGINEERS	916/534-1911 LAND SURVEYORS	CITY OF OROVILLE OROVILLE MUNICIPAL AIRPORT SEWER EXTENSION	SHEET 2 OF 5 SHEETS JOB NO 85110
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CONCRETE ENCASUREMENT TO BE USED ONLY WHERE DESIGNATED ON PLANS.



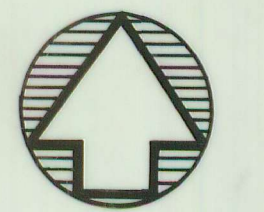
NOTE: CITY'S CONTRACTOR TO OBTAIN ENCROACHMENT PERMIT FROM COUNTY. TO NAME COUNTY AS ADDITIONAL INSURED, TO PROVIDE 1 YEAR \$1000 MAINTENANCE BOND TO COUNTY OF BUTTE.



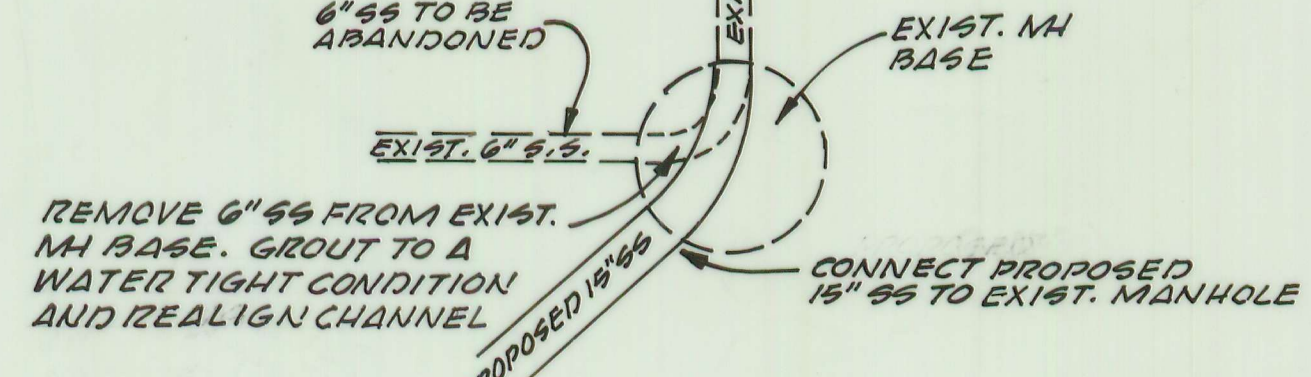
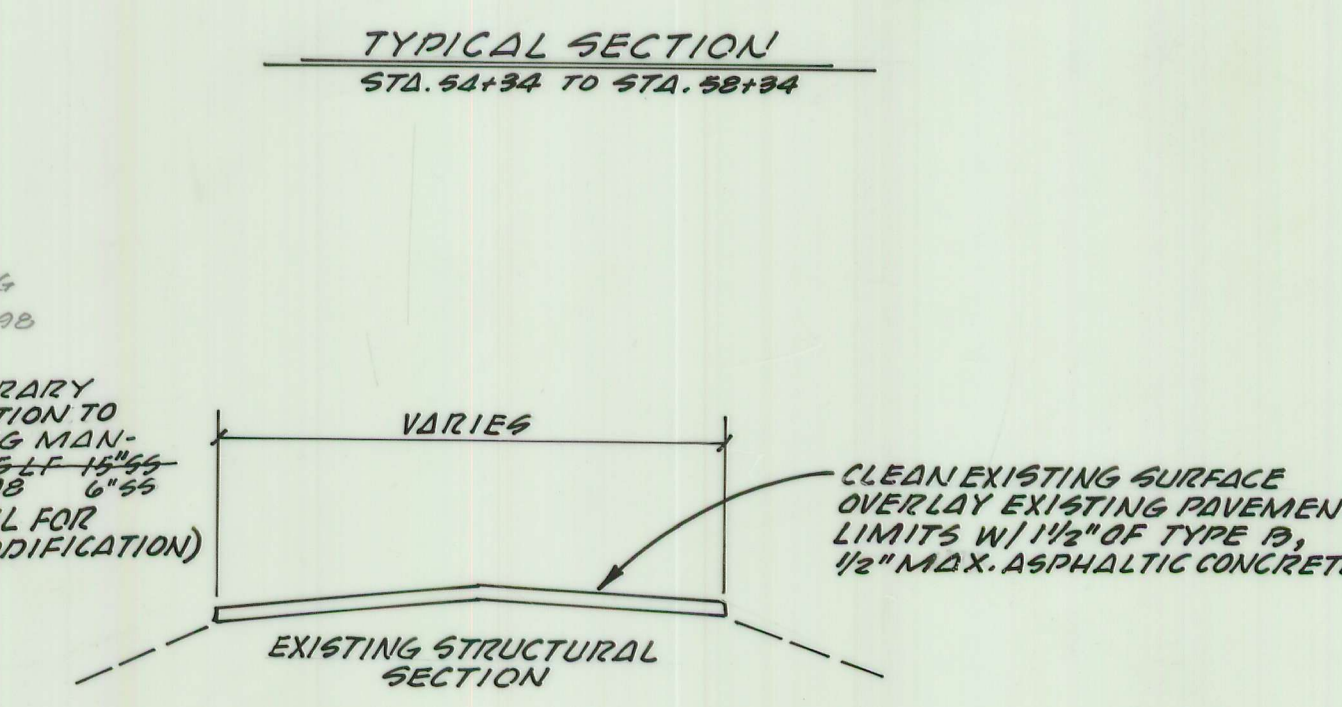
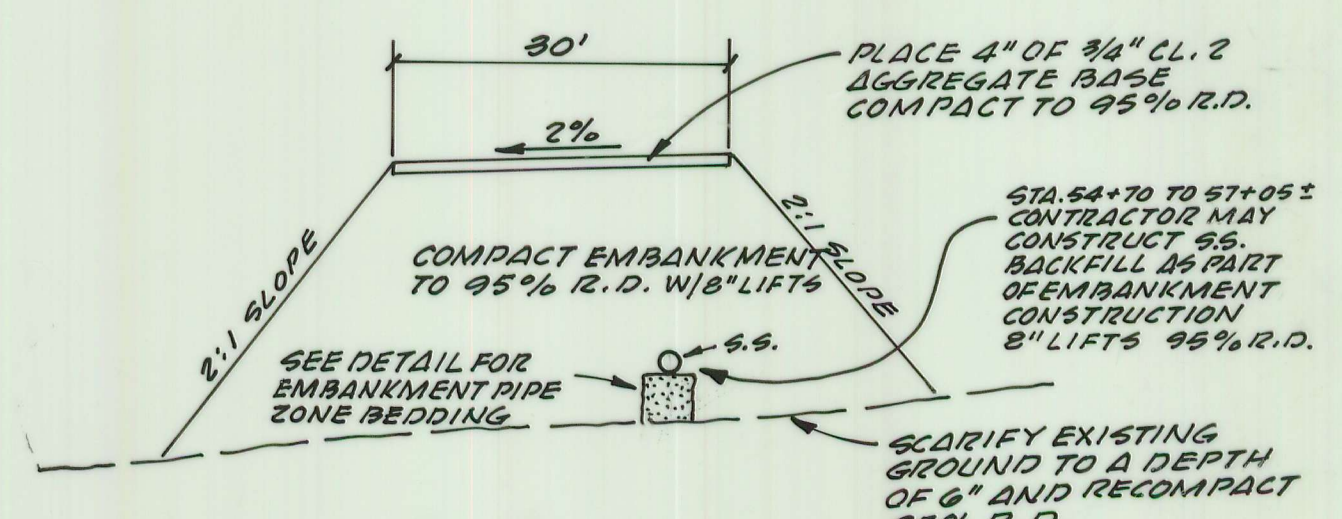
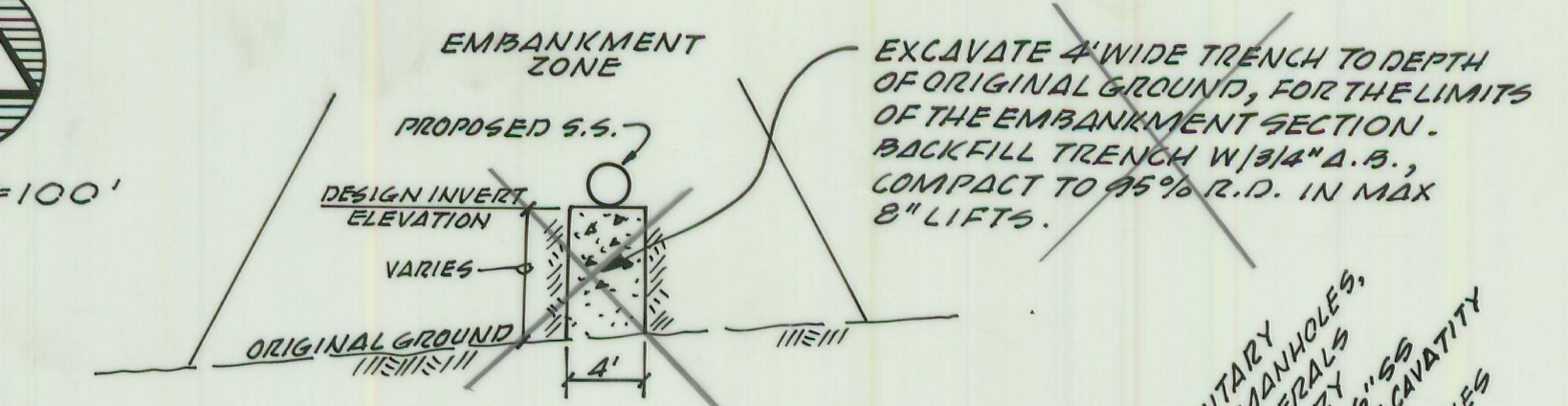
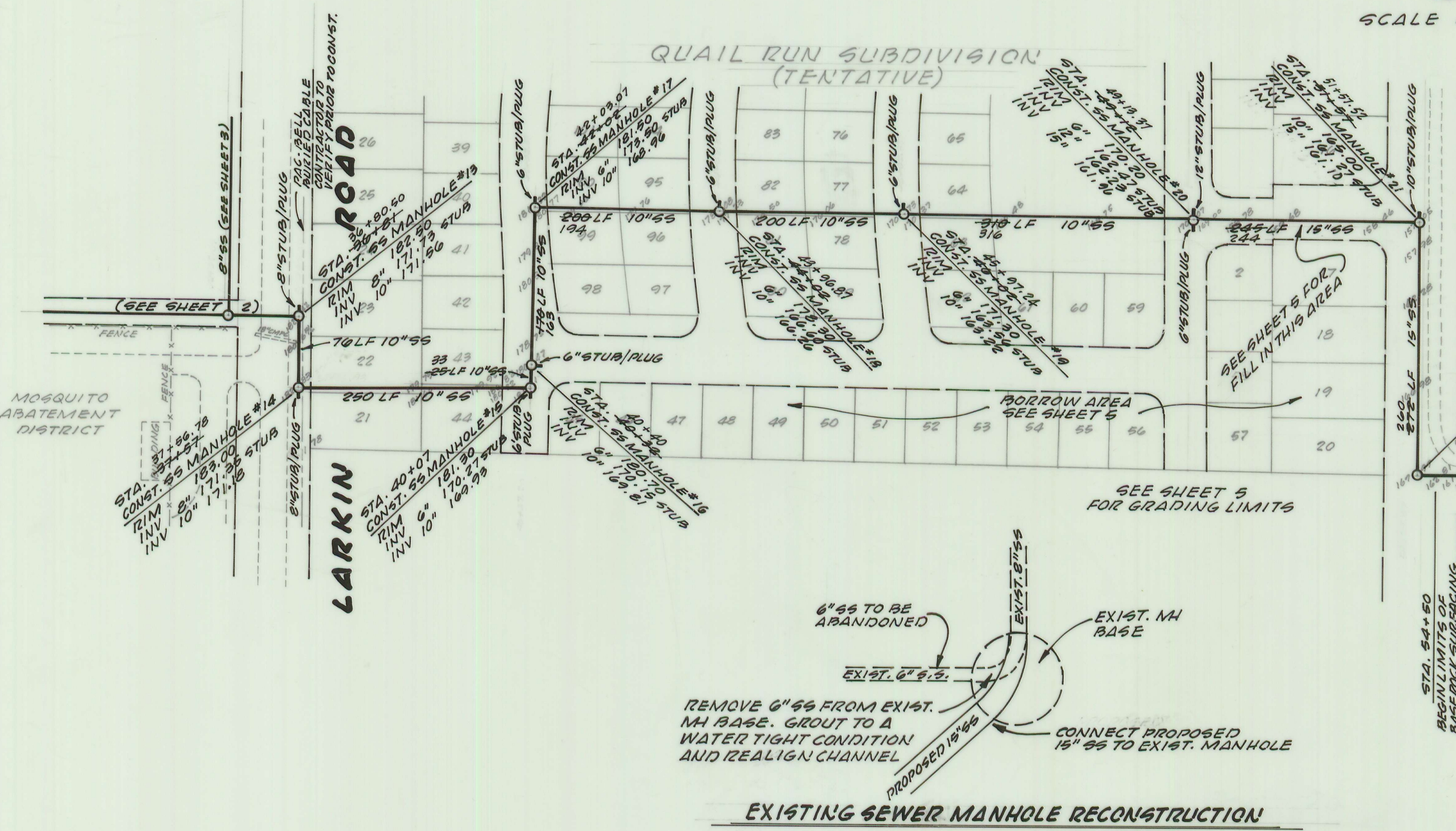
AS BUILT

11/15/16 AS BUILT DATE NR REVISION BY APP'D	LA FIELD BOOK ELEVATION DATUM	DRAWN LANE DESIGNED CHECKED A. G. P. SCALE AS SHOWN	APPROVED DATE	 BARNHART BROWN & ASSOCIATES A CALIFORNIA CORPORATION P.O. Box 1576 Oroville, CA 95965 916/534-1911 CIVIL ENGINEERS • LAND SURVEYORS	CITY OF OROVILLE GROVILLE MUNICIPAL AIRPORT SEWER EXTENSION	SHEET 3 OF 5 SHEETS JOB NO 85110
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SS-316C



QUAIL RUN SUBDIVISION (TENTATIVE)



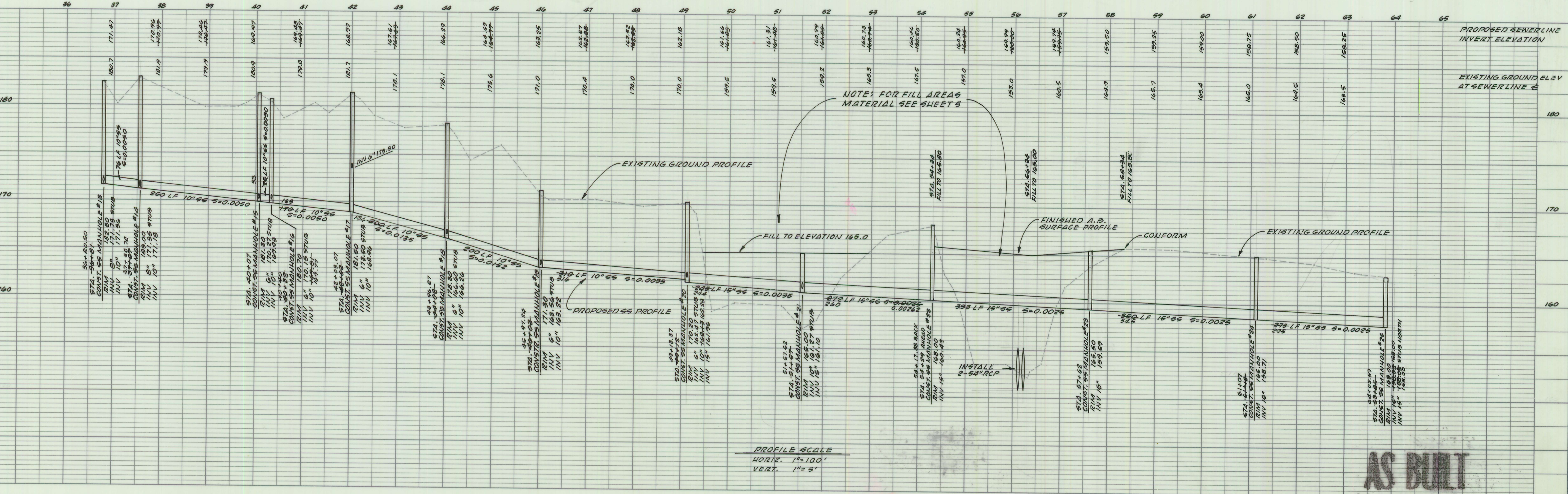
EXISTING SEWER MANHOLE RECONSTRUCTION

TYPICAL SECTION EMBANKMENT PIPE ZONE BEDDING STA. 49+50 TO 52+15 STA. 54+85 TO 56+30

TYPICAL SECTION STA. 54+34 TO 57A. 58+34

TYPICAL SECTION STA. 57+60 TO 57A. 63+85

NOTE: CITY'S CONTRACTOR TO OBTAIN ENCROACHMENT PERMIT FROM COUNTY. TO NAME COUNTY AS ADDITIONAL INSURED, TO PROVIDE 1 YEAR \$1000 MAINTENANCE BOND TO COUNTY OF BUTTE.



PROFILE SCALE HORIZ. 1"=100' VERT. 1"=5'

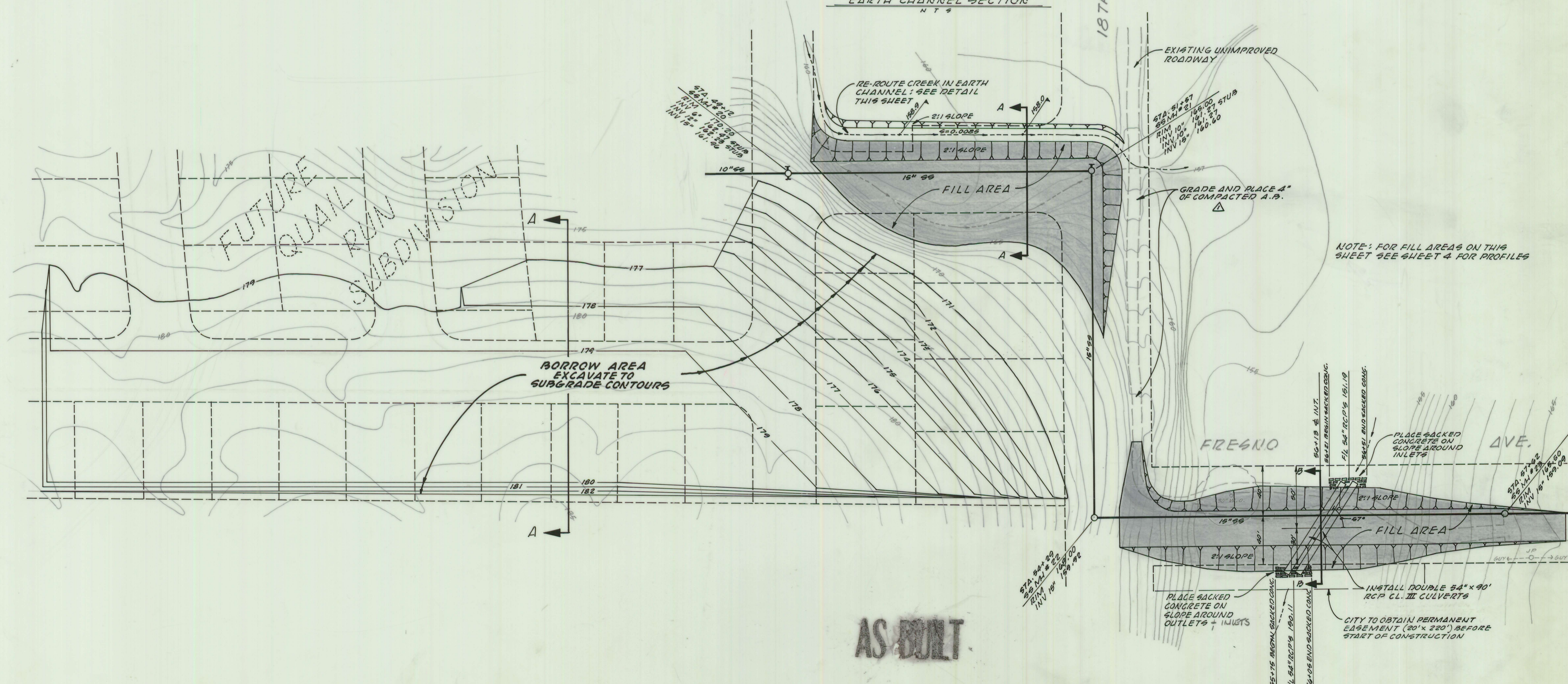
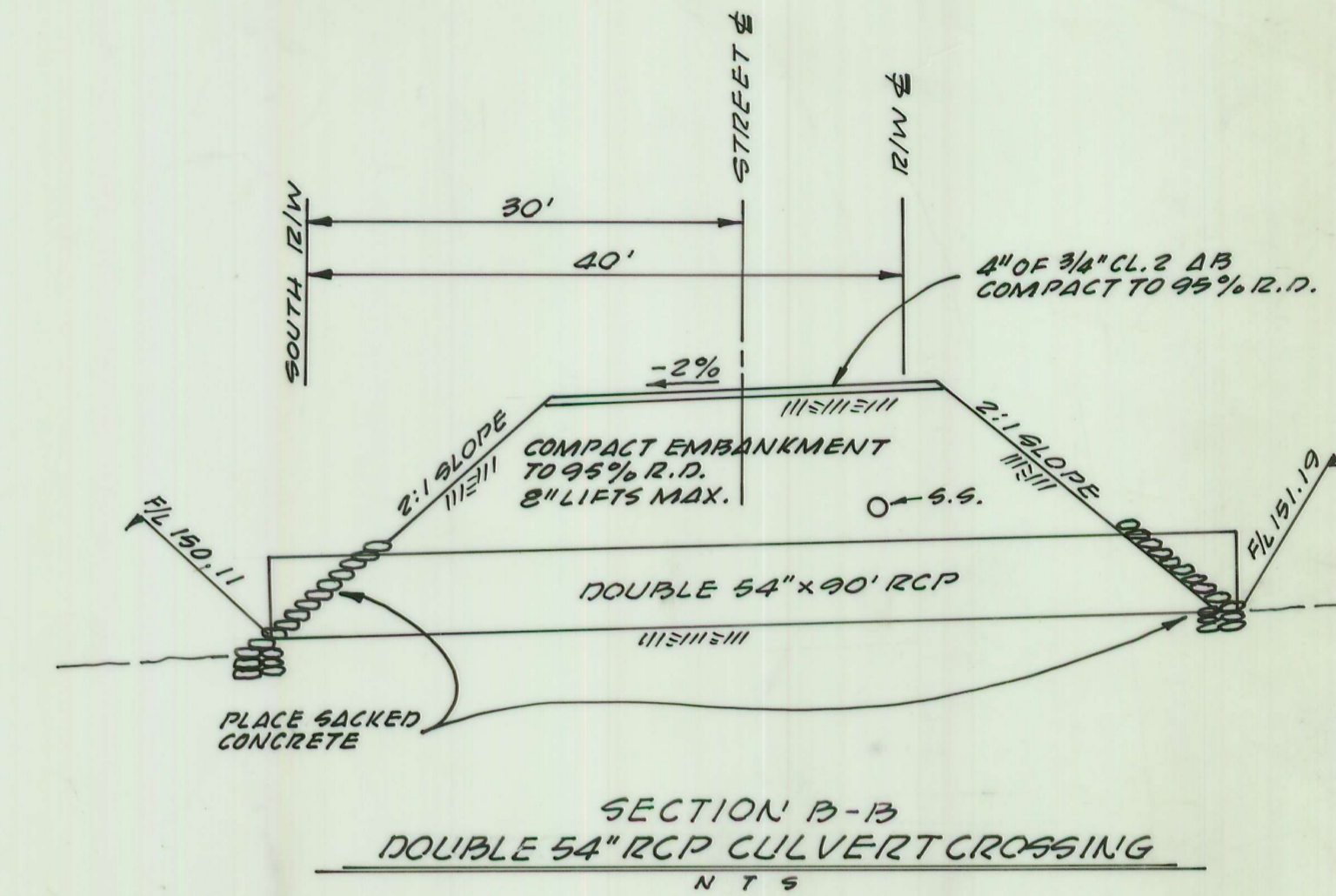
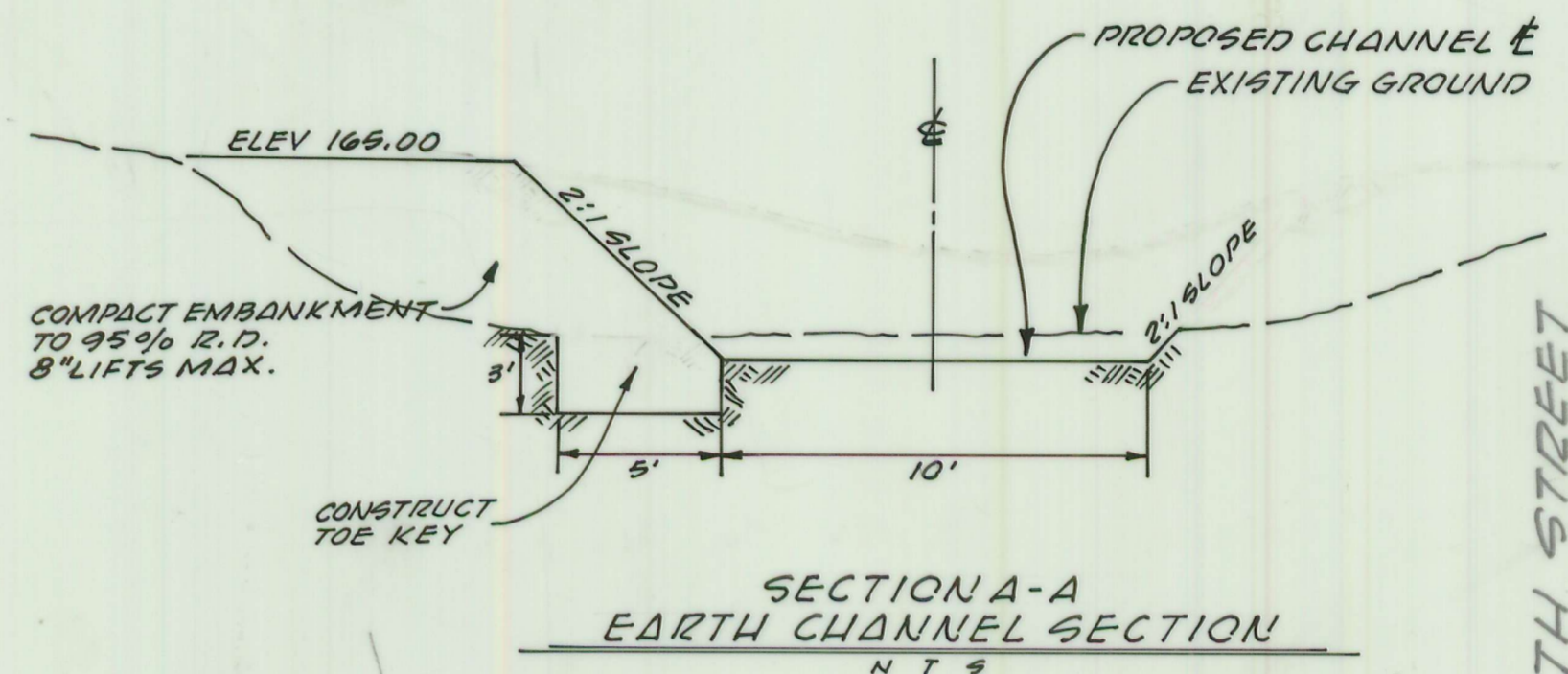
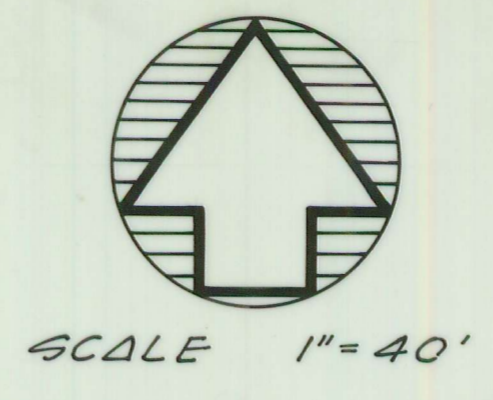
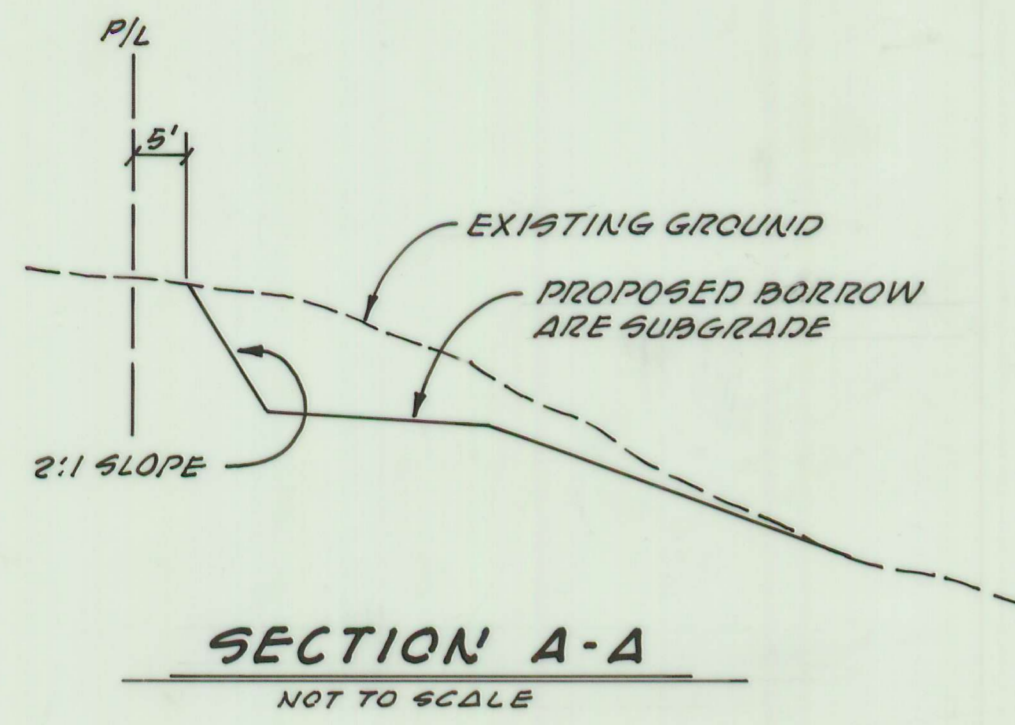
AS BUILT

DATE	NO.	REVISION	BY	APP'D.

FIELD BOOK	DRAWN
ELEVATION DATUM	LANE
	DESIGNED
	CHECKED
	SCALE
	APPROVED
	DATE

Barnhart Brown & Associates
A CALIFORNIA CORPORATION
P.O. Box 1576 Oroville, CA 95965 916/534-1911
CIVIL ENGINEERS LAND SURVEYORS

CITY OF GROVILLE
GROVILLE MUNICIPAL AIRPORT
SEWER EXTENSION



NOTE: FOR FILL AREAS ON THIS SHEET SEE SHEET 4 FOR PROFILES

DATE	NO.	REVISION	BY	APP'D	FIELD BOOK	ELEVATION DATUM	DRAWN	LANE	DESIGNED	CHECKED	A.G.P.	SCALE	AS SHOWN	APPROVED	DATE	 P.O. Box 1576 Oroville, CA 95965 CIVIL ENGINEERS • LAND SURVEYORS	CITY OF GROVILLE GROVILLE MUNICIPAL AIRPORT GRADING PLAN	SHEET 5 OF 5 SHEETS JOB NO 85110
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SS-316 E