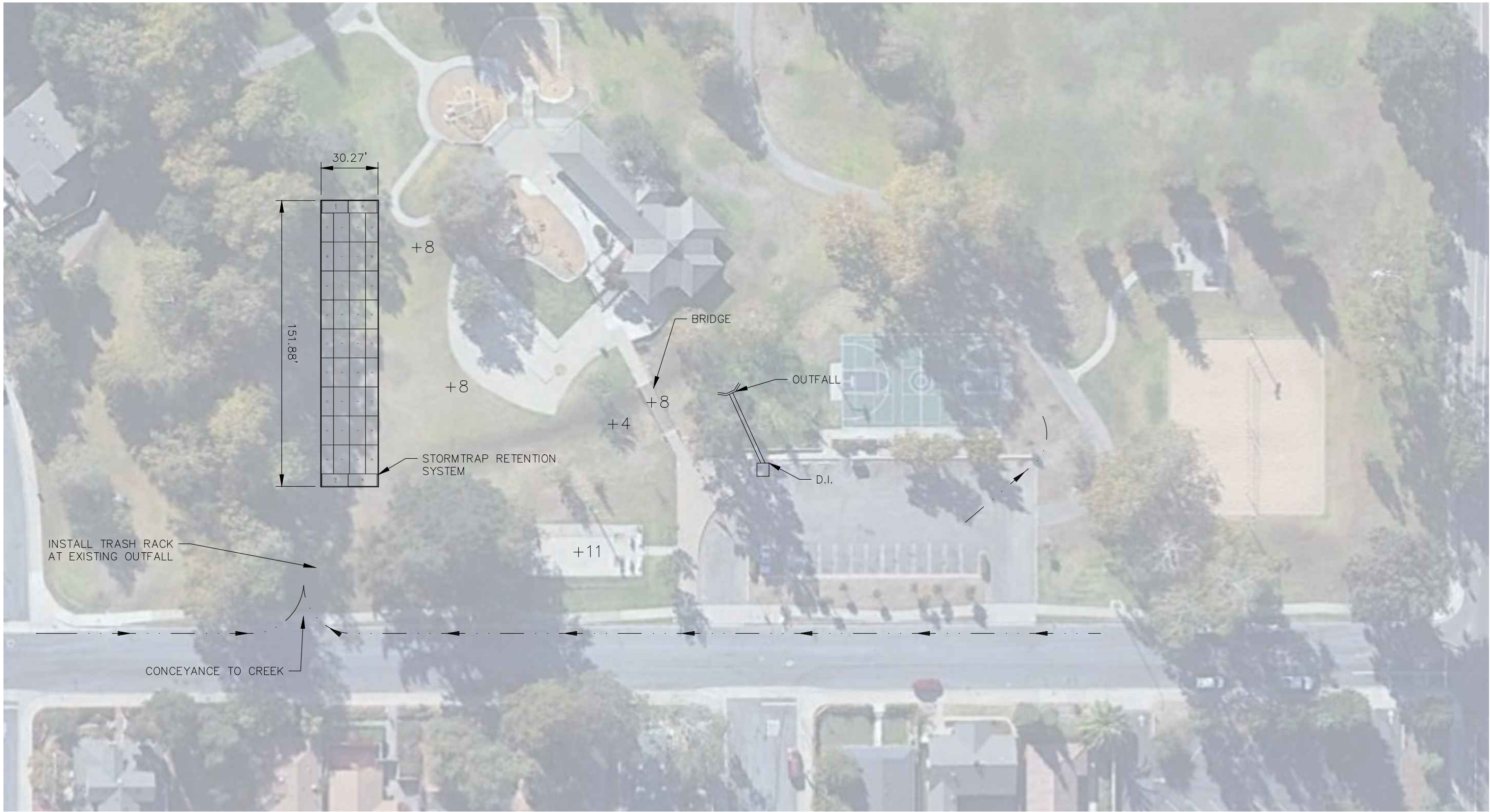


1 INCH = 50 FEET (APPRX.)

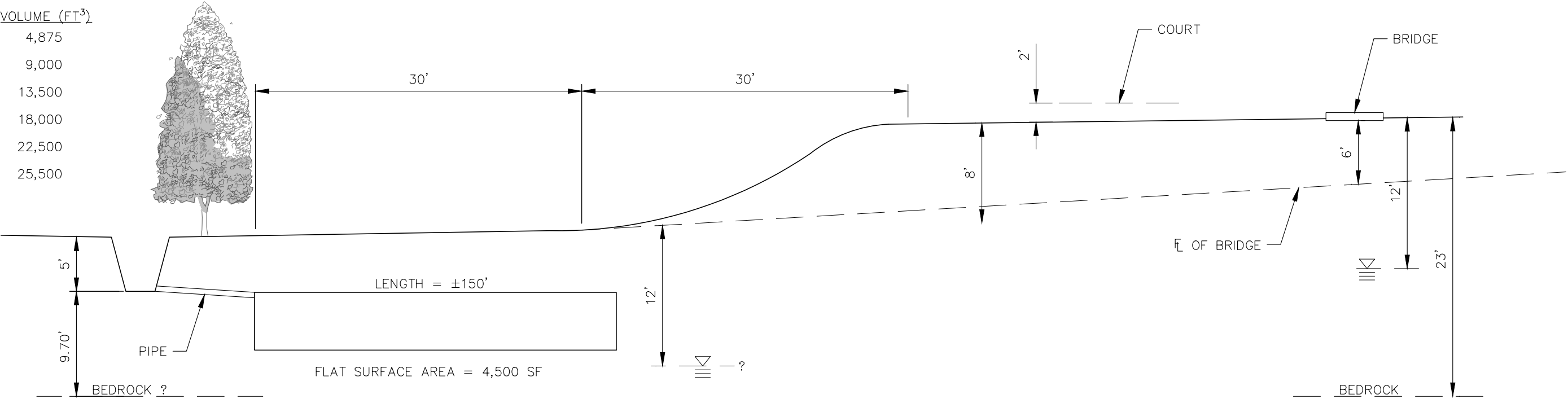


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LIDI – MEADOW PARK
STORMTRAP RETENTION SYSTEM
SCHEMATIC SITE PLAN
CITY OF SAN LUIS PBISPO

DRAWN BY JMD	DATE 2017-07-26	CA JOB NO. 170119
CHECKED BY	SCALE APPRX. 1"=50'	SHEET 1 OF 2

DEPTH (IN.)	VOLUME (FT ³)
13	4,875
24	9,000
36	13,500
48	18,000
60	22,500
68	25,500



SITE SECTION

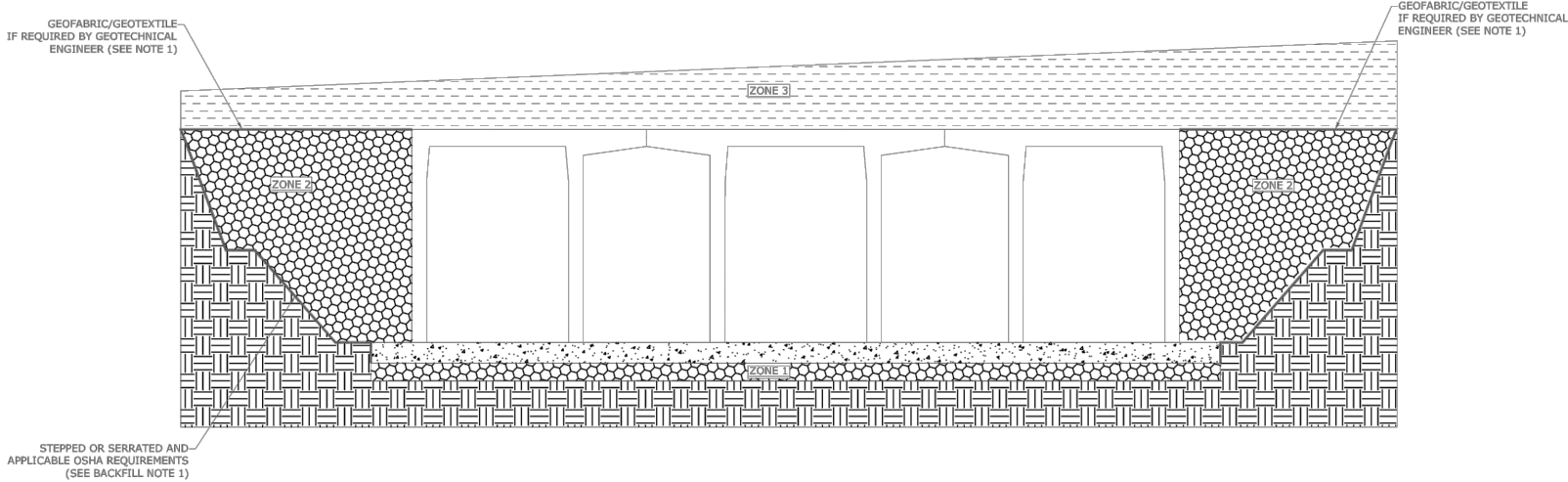
NOT TO SCALE

ZONE CHART		
ZONES	ZONE DESCRIPTIONS	REMARKS
ZONE 1 (OPTIONAL)	FOUNDATION AGGREGATE	#5 (1") STONE AGGREGATE (SEE NOTE 4 FOR DESCRIPTION)
ZONE 2	BACKFILL	#5 AGGREGATE (1" ANGULAR STONE) SEE NOTE 4 FOR FURTHER EXPLANATION
ZONE 3	FINAL COVER OVERTOP	MATERIALS NOT TO EXCEED 120 PCF

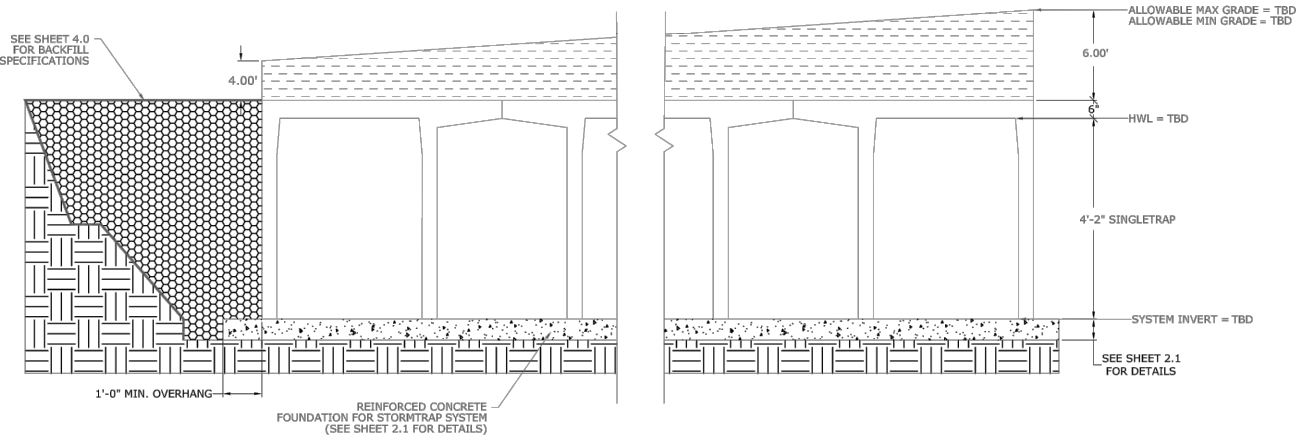
FILL DEPTH	TRACK WIDTH	MAX GROUND PRESSURE
12"	12"	1690 psf
	18"	1219 psf
	24"	1111 psf
	30"	1000 psf
	36"	924 psf

STRUCTURAL DESIGN LOADING CRITERIA	
LIVE LOADING:	AASHTO HS-20 HIGHWAY LOADING
GROUND WATER TABLE:	BELOW INVERT OF SYSTEM
SOIL BEARING PRESSURE:	3000 PSF
SOIL DENSITY:	120 PCF
EQUIVALENT UNSATURATED LATERAL ACTIVE EARTH PRESSURE:	35 PSF / FT.
EQUIVALENT SATURATED LATERAL ACTIVE EARTH PRESSURE:	80 PSF/FT. (IF WATER TABLE PRESENT)
APPLICABLE CODES:	AASHTO ACI-318
BACKFILL TYPE:	3" STONE AGGREGATE

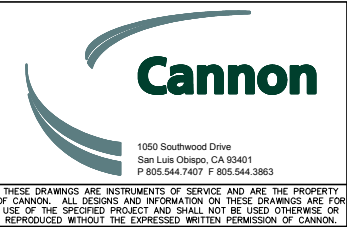
STORMTRAP SYSTEM INFORMATION	
WATER STORAGE REQ'D:	17,265.33 CUBIC FEET
WATER STORAGE PROV:	17,265.33 CUBIC FEET
UNIT HEADROOM:	4'-2" SINGLETRAP
UNIT QUANTITY:	40 TOTAL PIECES



BACKFILL DETAIL



4'-2" SINGLETRAP



1050 Southwood Drive
San Luis Obispo, CA 93401
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LIDI – MEADOW PARK STORMTRAP RETENTION SYSTEM CROSS SECTION CITY OF SAN LUIS PBISPO		
DRAWN BY	DATE	CA JOB NO.
JMD	2017-07-26	170119
CHECKED BY	SCALE	SHEET
	N.T.S.	2 OF 2