

STORM WATER CONTROL PLAN

HINDU COMMUNITY and CULTURAL CENTER
1232 ARROWHEAD AVENUE
LIVERMORE CALIFORNIA

JAMES E. DIGGINS
RENEWAL DATE: 03/31/10

RCE 27/88

DATE

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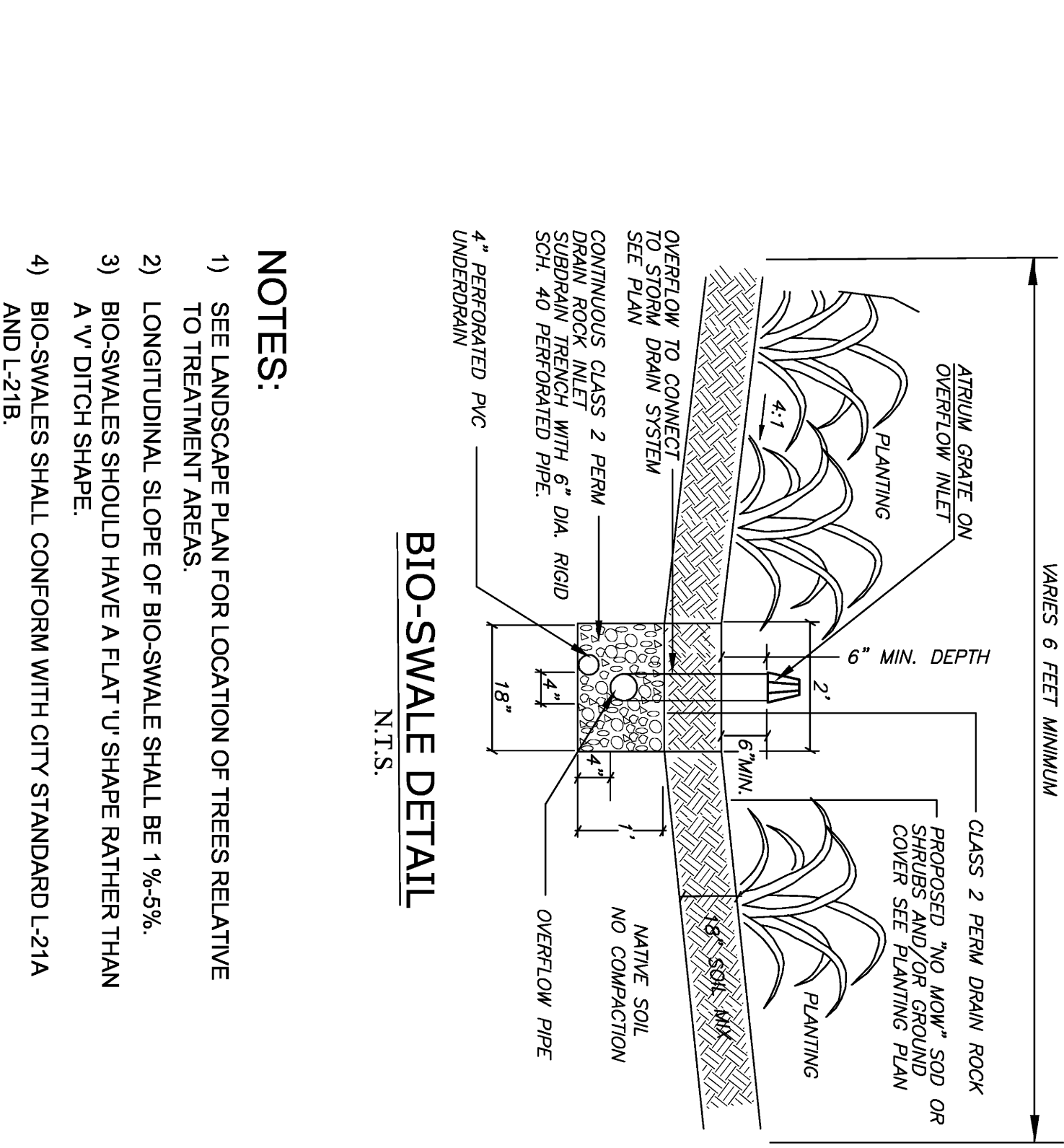
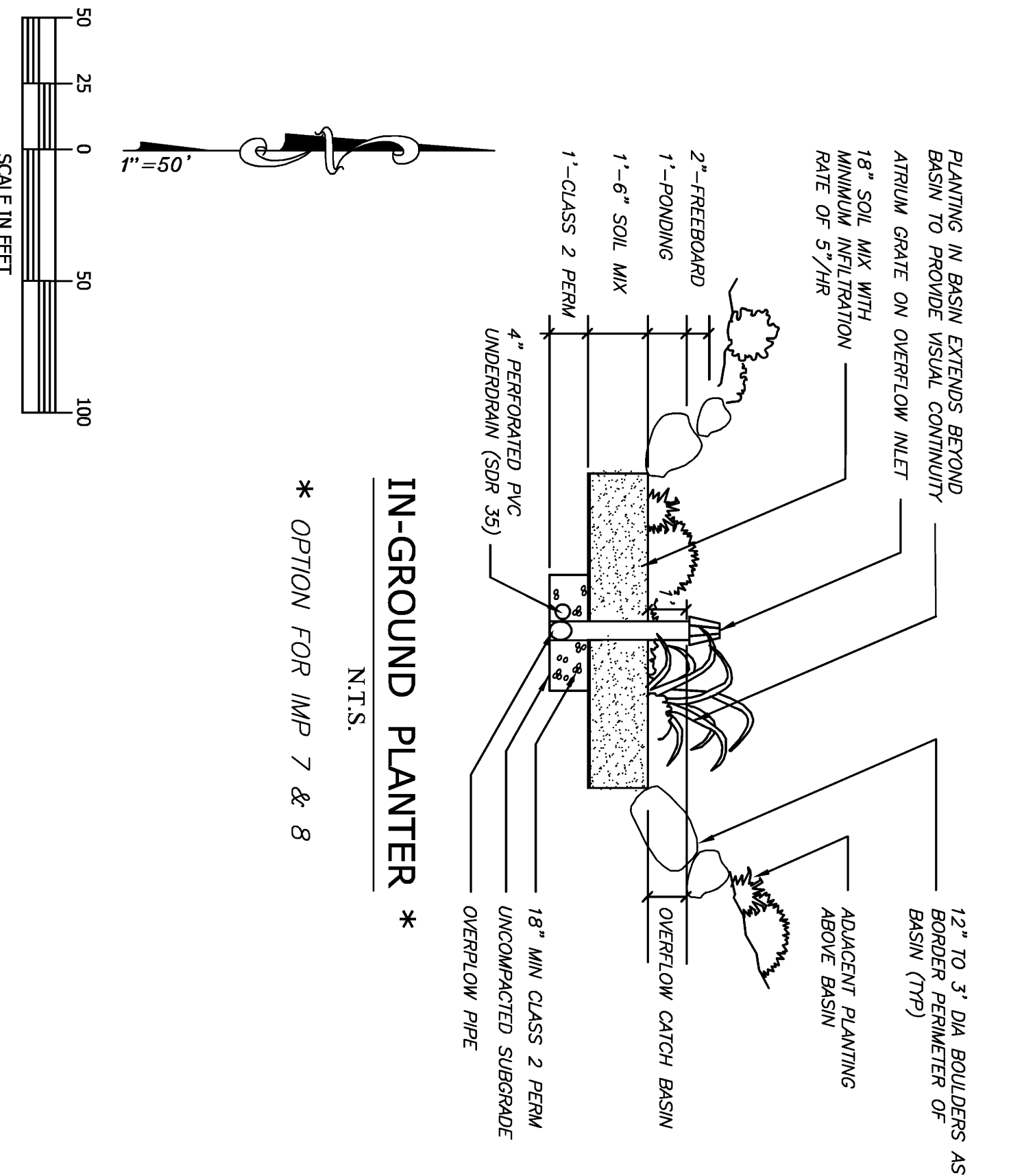
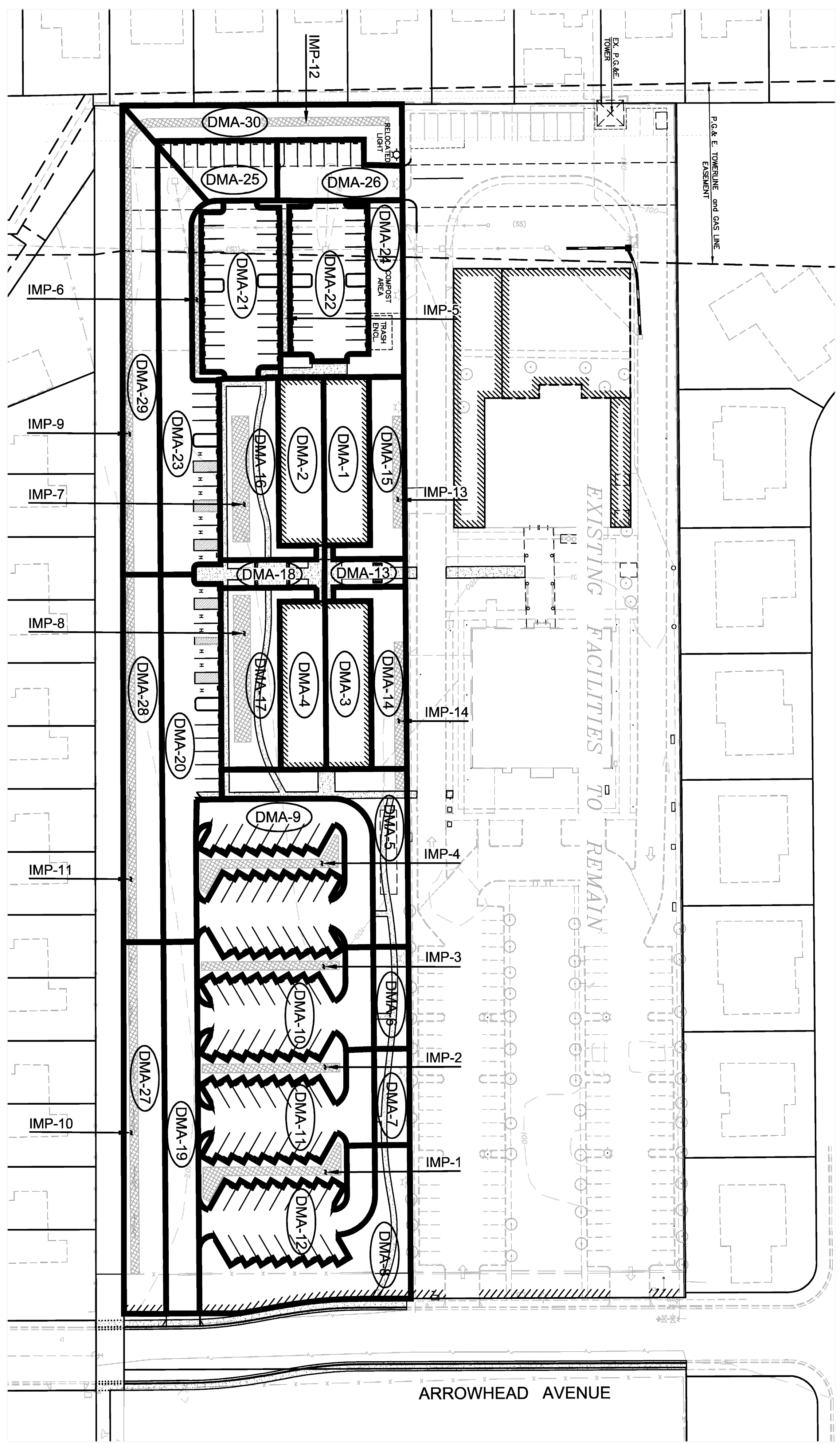
REVISIONS

DATE

10/30/2009-03/31/10 8/17/09 1438

DeBolt Civil Engineering
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Danville, California 94526
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Date: 8/14/09
Scale: 1" = 30'
By: JED / AD
10/10/09
No: 06309



- NOTES:**
- 1) SEE LANDSCAPE PLAN FOR LOCATION OF TREES RELATIVE TO TREATMENT AREAS.
 - 2) LONGITUDINAL SLOPE OF BIO-SWALE SHALL BE 1%-5%.
 - 3) BIO-SWALES SHOULD HAVE A FLAT 'U' SHAPE RATHER THAN A 'V' DITCH SHAPE.
 - 4) BIO-SWALES SHALL CONFORM WITH CITY STANDARD L-21A AND L-21B.

LEGEND

- BIO-SWALE / PLANTERS
- CATCH BASINS
- STORM DRAIN LINE
- DMA-2 DENOTES AREA (DMA) DRAINAGE MANAGEMENT AREA
- IMP-2 INTEGRATED MANAGEMENT PRACTICE

IMP	SIZE	DMA	AREA	SURFACE
1	115 LF	DMA-1	3,900 SF±	ROOF
2	95 LF	DMA-2	3,900 SF±	ROOF
3	95 LF	DMA-3	3,900 SF±	ROOF
4	120 LF	DMA-4	3,900 SF±	ROOF
5	90 LF	DMA-5	4,610 SF±	LANDSCAPE
6	100 LF	DMA-6	1,830 SF±	LANDSCAPE
7	90 LF	DMA-7	1,730 SF±	LANDSCAPE
8	108 LF	DMA-8	7,600 SF±	LANDSCAPE
9	230 LF	DMA-9	12,500 SF±	PAVEMENT
10	235 LF	DMA-10	6,800 SF±	PAVEMENT
11	280 LF	DMA-11	6,690 SF±	PAVEMENT
12	280 LF	DMA-12	6,380 SF±	PAVEMENT
13	80 LF	DMA-13	1,275 SF±	CONCRETE
14	105 LF	DMA-14	3,520 SF±	LANDSCAPE
		DMA-15	3,520 SF±	LANDSCAPE
		DMA-16	3,710 SF±	LANDSCAPE
		DMA-17	5,590 SF±	LANDSCAPE
		DMA-18	1,860 SF±	CONCRETE
		DMA-19	6,325 SF±	PAVEMENT
		DMA-20	8,700 SF±	PAVEMENT
		DMA-21	6,710 SF±	PAVEMENT
		DMA-22	6,140 SF±	PAVEMENT
		DMA-23	8,010 SF±	PAVEMENT
		DMA-24	4,130 SF±	LANDSCAPE
		DMA-25	4,590 SF±	PAVEMENT
		DMA-26	3,220 SF±	PAVEMENT
		DMA-27	6,625 SF±	FUTURE PAVEMENT
		DMA-28	6,625 SF±	FUTURE PAVEMENT
		DMA-29	5,750 SF±	FUTURE PAVEMENT
		DMA-30	2,000 SF±	FUTURE PAVEMENT
		DMA-31	3,000 SF±	LANDSCAPE

Drainage Management Areas Draining to IMPs

Name	Type	Soil Grp	Rain Adj. Factor	Sizing Factor	Dim. (100)	Dim. (200)	Min. Size	Planned Size	Max Underdrain Flow (cfs)	Name	Surface Type	Area	Runoff Factor	Imp	Contributor to Imp Flow (cfs)
IMP1	Vegetated or Grass (Dry)	D	1.18	300	2.0	1.0	77 R	90 R	0.0323	DMA1	Roofs	3000	0.7	38	38
IMP2	Vegetated or Grass (Dry)	D	1.18	300	2.0	1.0	77 R	90 R	0.0323	DMA2	Landscaping	2710	0.7	38	38
IMP3	Vegetated or Grass (Dry)	D	1.18	300	2.0	1.0	77 R	90 R	0.0323	DMA3	Concrete or Asphalt Paving	12500	1	119	119
IMP4	Vegetated or Grass (Dry)	D	1.18	300	2.0	1.0	77 R	90 R	0.0323	DMA4	Asphalt Paving	1630	0.7	13	13
IMP5	Vegetated or Grass (Dry)	D	1.18	300	2.0	1.0	77 R	90 R	0.0323	DMA5	Concrete or Asphalt Paving	1000	1	69	69
IMP6	Vegetated or Grass (Dry)	D	1.18	300	2.0	1.0	77 R	90 R	0.0323	DMA6	Concrete or Asphalt Paving	1630	0.7	13	13
IMP7	Vegetated or Grass (Dry)	D	1.18	300	2.0	1.0	77 R	90 R	0.0323	DMA7	Roofs	3000	1	38	38
IMP8	Vegetated or Grass (Dry)	D	1.18	300	2.0	1.0	77 R	90 R	0.0323	DMA8	Concrete or Asphalt Paving	1630	0.7	13	13
IMP9	Vegetated or Grass (Dry)	D	1.18	300	2.0	1.0	77 R	90 R	0.0323	DMA9	Concrete or Asphalt Paving	1630	0.7	13	13
IMP10	Vegetated or Grass (Dry)	D	1.18	300	2.0	1.0	77 R	90 R	0.0323	DMA10	Concrete or Asphalt Paving	1630	0.7	13	13
IMP11	Vegetated or Grass (Dry)	D	1.18	300	2.0	1.0	77 R	90 R	0.0323	DMA11	Concrete or Asphalt Paving	1630	0.7	13	13
IMP12	Vegetated or Grass (Dry)	D	1.18	300	2.0	1.0	77 R	90 R	0.0323	DMA12	Concrete or Asphalt Paving	1630	0.7	13	13

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