

COUNTY OF SAN LUIS OBISPO, CALIFORNIA PUBLIC WORKS DEPARTMENT

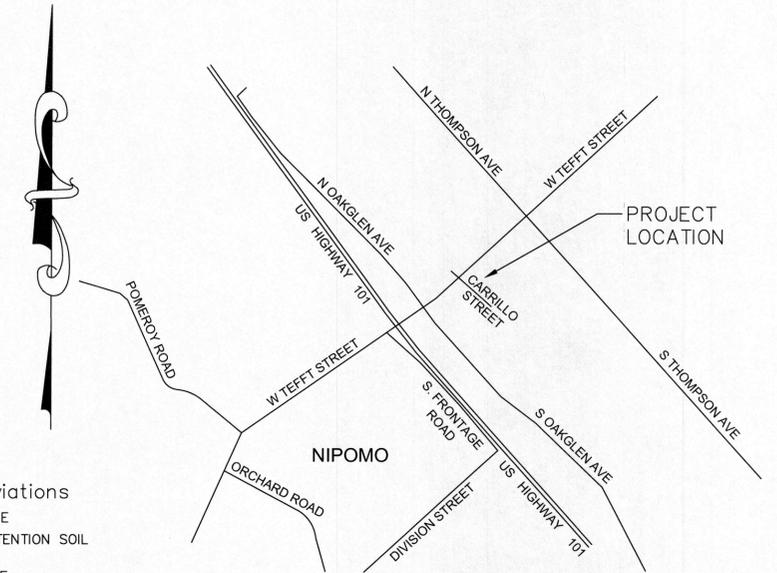
APPROVED: August 23, 2014
Dave Flynn
DEPUTY DIRECTOR OF PUBLIC WORKS
R.C.E. 43933 (Exp. 6/30/15)

INDEX OF SHEETS

C1	TITLE SHEET, NOTES & DETAILS
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C4	ROADWAY DETAILS
C5	BSM DETAILS AND REQUIREMENTS

OLDE TOWNE NIPOMO PARK & RIDE LOT, NIPOMO, CA CONTRACT NO. 300476

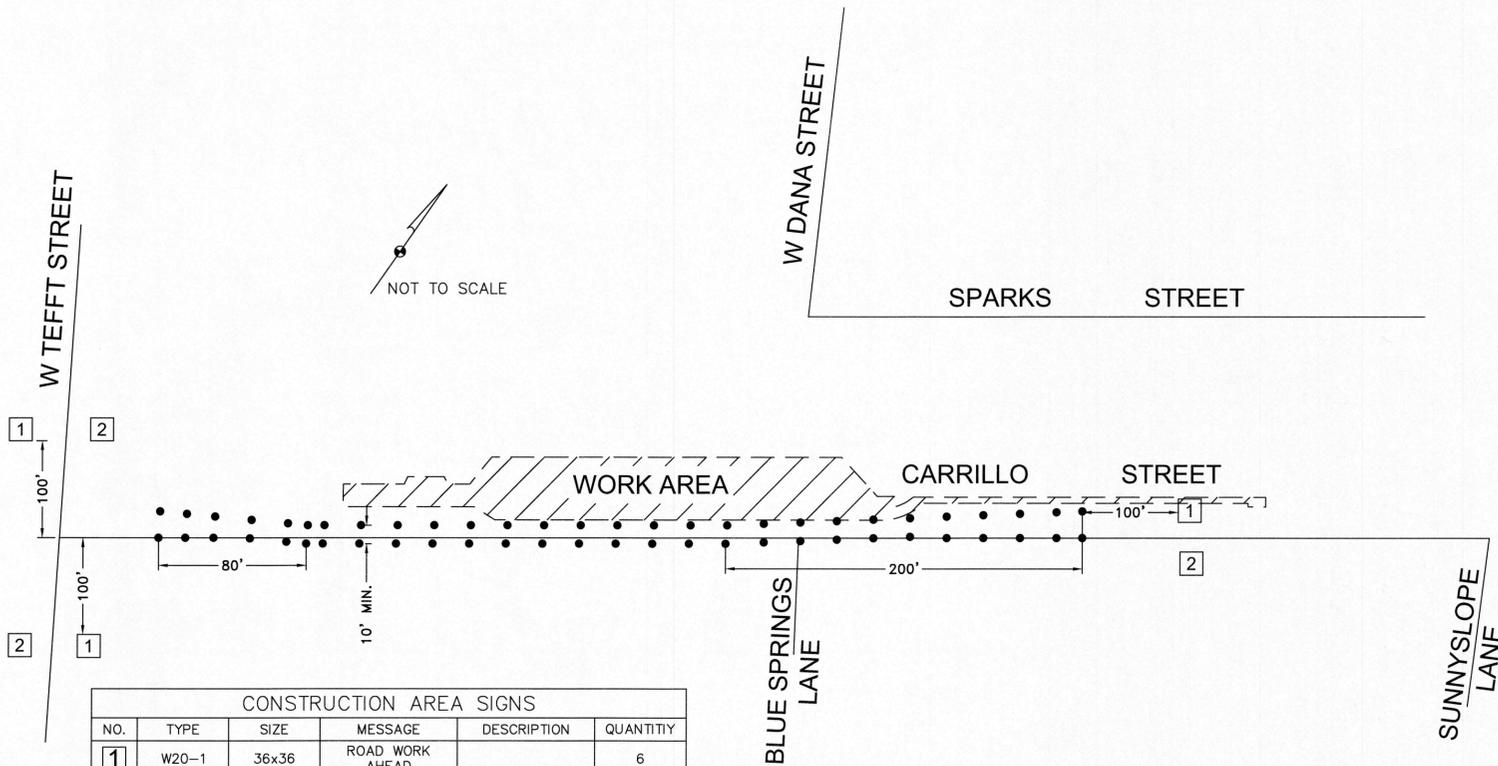
To Be Supplemented By State Standard Plans Dated May, 2006.



VICINITY MAP
NOT TO SCALE

Symbol	Denotes
●	FOUND MONUMENT
○	GUYANCHOR
⊙	JUNCTION POLE
●	SIGN
⊕	ST LITE
+	ST SIGN
⊗	TREE
⊗	VALVE
WM	WATER METER
▨	PROPOSED 2" AC PAVEMENT 6" CL2 AB
▨	PROPOSED 3" AC PAVEMENT 10" CL2 AB
▨	PROPOSED PCC CONCRETE
●	TRAFFIC CONE
	PROPOSED PERVIOUS PAVERS
▨	PROPOSED DETECTABLE WARNING SURFACE
---	LIMITS OF EARTHWORK
—+—	EDGE OF PAVEMENT
***	HYDROSEED

Abbreviations	Meaning
AVE.	AVENUE
BSM	BIORETENTION SOIL MEDIA
DBL	DOUBLE
FL	FLOW LINE
FS	FINISHED SURFACE
GB	GRADE BREAK
JP	JUNCTION POLE
Lt	LEFT
N.T.S.	Not To Scale
HMAC	HOT MIX ASPHALT CONCRETE
Rt	RIGHT
R/W	RIGHT OF WAY
SLO	SAN LUIS OBISPO
ST.	STREET
TC	TOP OF CURB
TG	TOP OF GRATE
WM	WATER METER
EP	EDGE OF PAVEMENT
TD	TOP OF DIKE
BD	BOTTOM OF DIKE
SW	SIDEWALK



CONSTRUCTION AREA SIGNS					
NO.	TYPE	SIZE	MESSAGE	DESCRIPTION	QUANTITY
1	W20-1	36x36	ROAD WORK AHEAD		6
2	G20-2	36x18	END ROAD WORK		6

The Contractor shall possess the Class (or classes) of license as specified in the "Notice to Bidders"

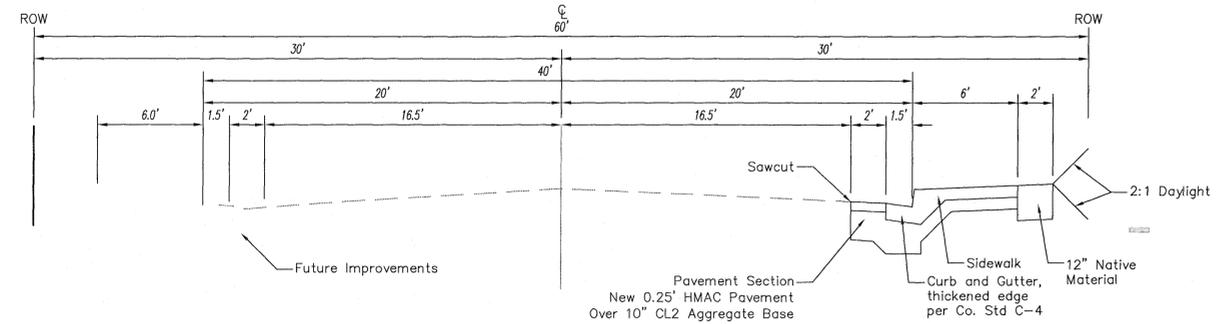


DIGALERT NOTES

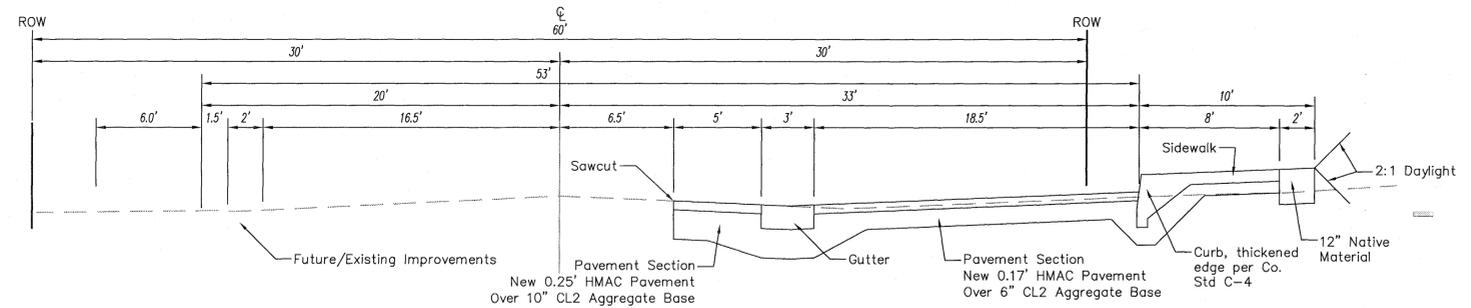
CONSTRUCTION CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE AT 811 OR (800) 227-2600 AT LEAST 24 HOURS BEFORE BEGINNING EXCAVATION AND SHALL VERIFY THE LOCATION OF ANY KNOWN UTILITIES, AND WHETHER OR NOT A REPRESENTATIVE OF EACH COMPANY WILL BE PRESENT DURING EXCAVATION.



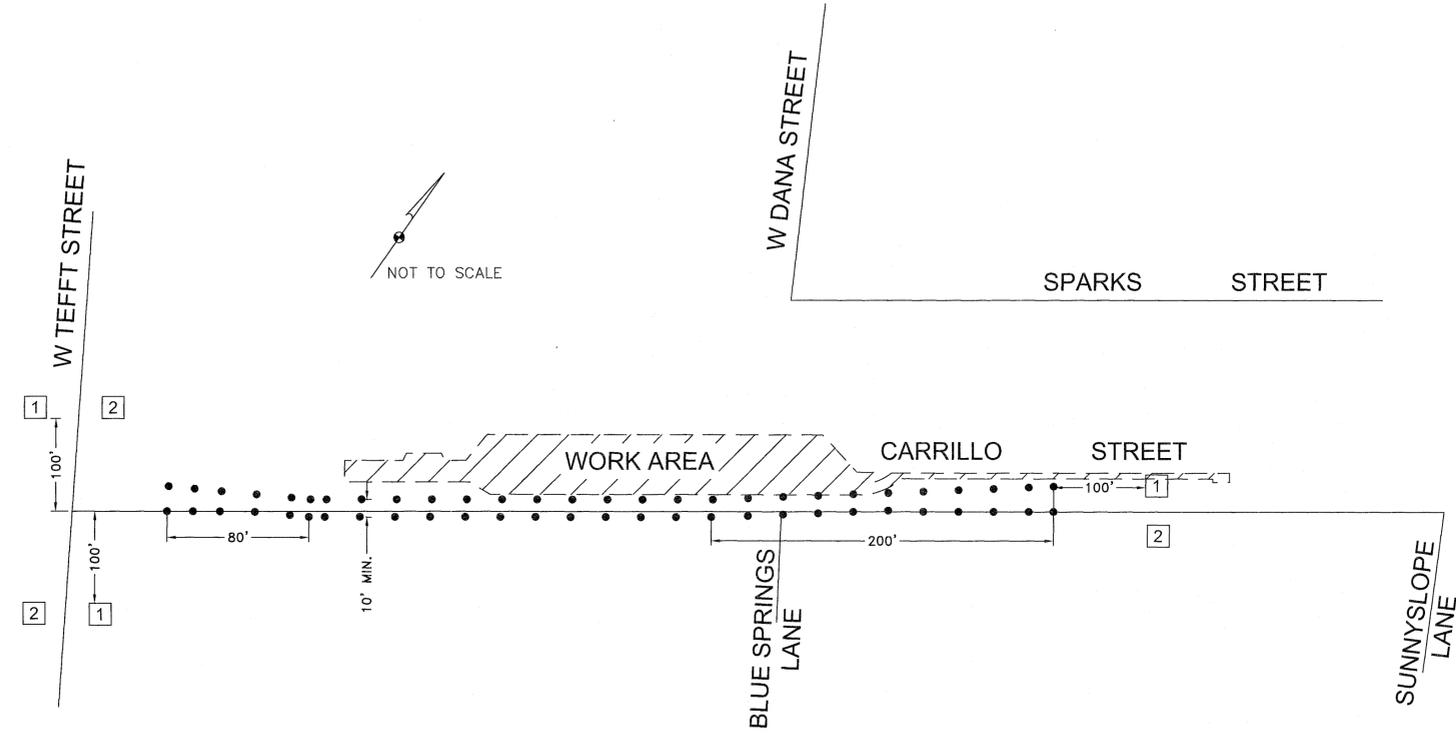
CIVIL REMINDERS		200 Tully Ho Road ARROYO GRANDE, CA 93420 805 270 5280 CHRISTOPHERCIVILSREMINDERS.COM	
WBS 300476 OLDE TOWNE NIPOMO PARK AND RIDE TITLE SHEET, NOTES & DETAILS COUNTY OF SAN LUIS OBISPO, STATE OF CALIFORNIA			
DESIGN/DRAWN: CF/CF	COUNTY PLAN CHECK:	DATE:	
JOB No.: 674003	COUNTY W.O. No.: WBS 300476	DATE:	
CALIFORNIA COORDINATES:			SHEET C1 5 SHEETS
			8-19-14



TYPICAL SECTION
 STA: 10+54.47 to 11+28.59
 STA: 13+38.06 to 13+45.26
 SCALE: NTS



TYPICAL SECTION
 STA: 11+28.59 to 13+38.06
 SCALE: NTS



TRAFFIC CONTROL PLAN

TRAFFIC CONTROL LEGEND					
NO.	TYPE	SIZE	MESSAGE	DESCRIPTION	QUANTITY
1	W20-1	36x36	ROAD WORK AHEAD		6
2	G20-2	36x18	END ROAD WORK		6
•	Traffic Cone			Spaced 20' on Center	1

Carrillo Street PCI = 51 ROAD NO. 5191

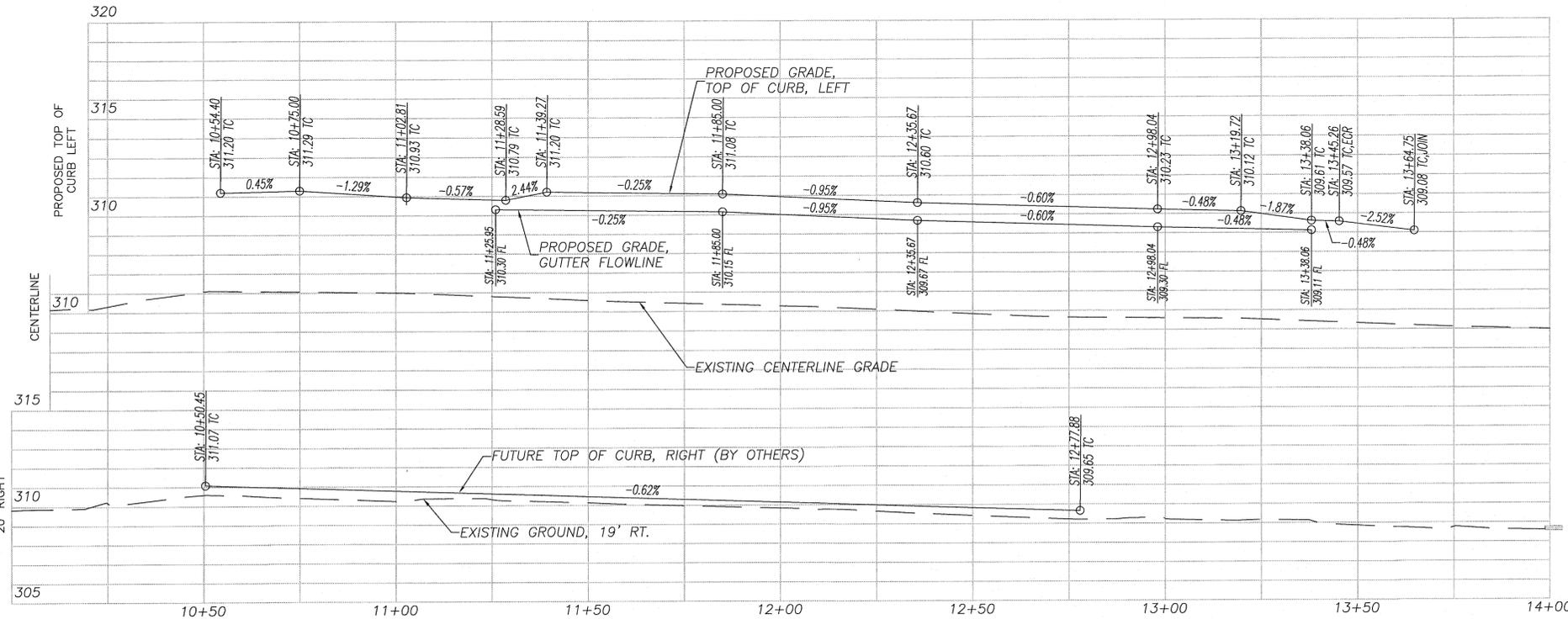
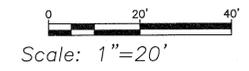
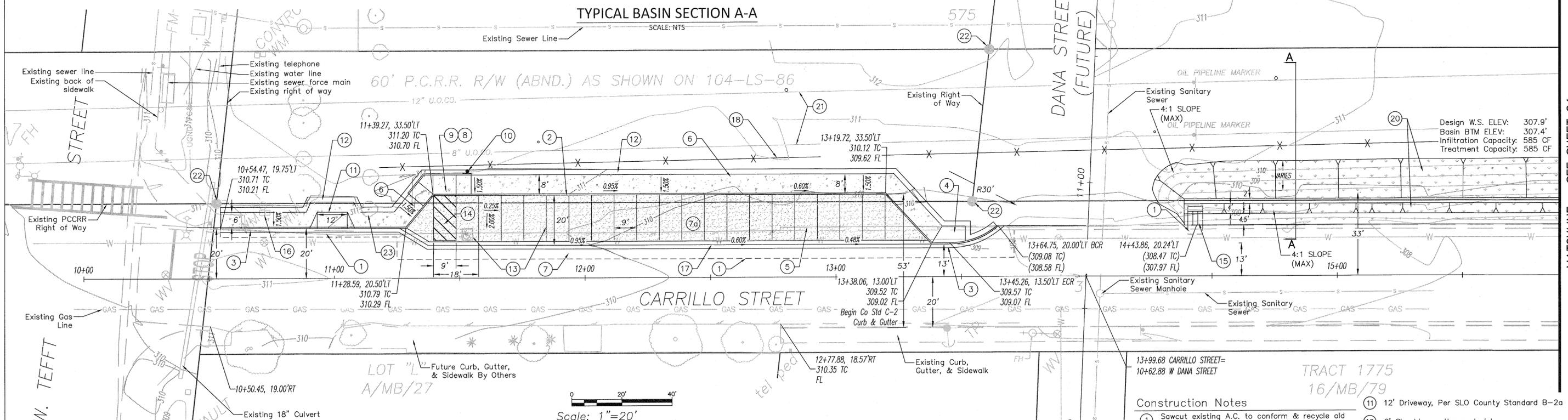
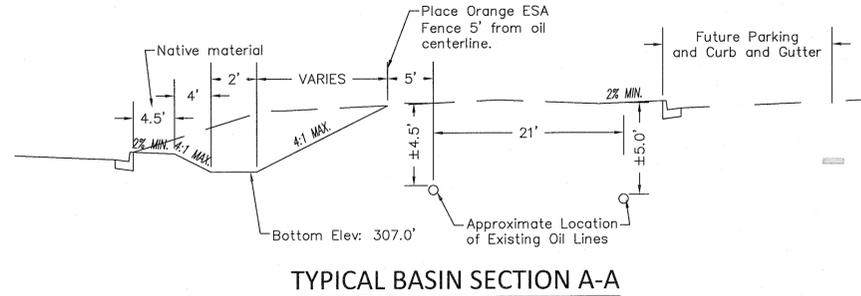
CIVIL REMINDERS		200 Tully Ho Road ARROYO GRANDE, CA 93420 805 270 6280 CHRISTOPHERCIVILREMINERS.COM	
WBS 300476 OLDE TOWNE NIPOMO PARK AND RIDE TYPICAL SECTIONS			
COUNTY OF SAN LUIS OBISPO, STATE OF CALIFORNIA			
DESIGN/DRAWN: CF/CF	COUNTY PLAN CHECK:	DATE	
JOB No.: 674003	COUNTY W.O. No. WBS 300476	DATE	
CALIFORNIA COORDINATES:		DATE	
3-19-14 N		E	



BENCH MARK:
 THE FINISH FLOOR OF THE BUILDING NEAR THE S'LY CORNER OF A.P.N. 090-141-003 PER THE OLDE TOWN NIPOMO ENHANCEMENT PROJECT, DOC. #48378 (NOT SHOWN)

BM# TBM ELEV. 313.4'

BASIS OF BEARINGS
 BEING THE CALCULATED LINE BETWEEN FOUND MONUMENTS AT STA. 14+26.78, 0.00'RT. AND STA. 3+68.46, 13.74'RT. BEING S 47°15'27" W PER THE HORIZONTAL CONTROL FOR THE OLDE TOWN NIPOMO ENHANCEMENT PROJECT, DOC. #48378. (NOT SHOWN)



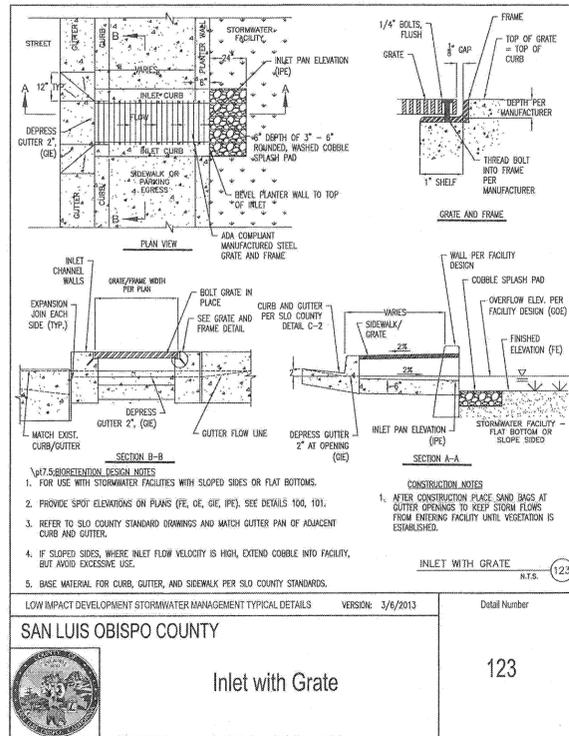
Construction Notes

- ① Sawcut existing A.C. to conform & recycle old A.C.
- ② Type "C" Concrete Curb Per County of SLO Std. Plan C-1, C-2a (Modified for WBS 300476)
- ③ Type "A" Concrete Curb Per County of SLO Std. Plan C-2, C-4
- ④ AC Ramp to finish grade, Per SLO County Standard C-5a
- ⑤ Remove existing curb and gutter & recycle old Curb and Gutter
- ⑥ Sidewalk, Per SLO County Standard C-4, C-1, & C-2a (Modified for WBS 300476)
- ⑦ New 0.25" HMAC Pavement over 10" CL2 Aggregate Base
- ⑧ New 0.17" HMAC Pavement over 6" CL2 Aggregate Base
- ⑨ Detectable Warning Surface Per 2006 State Std. Plan A88A, "SAFETY STEP TD-Detectable Warning Systems"
- ⑩ Curb Ramp, Case C, Per 2006 State Std. Plan A88A with curb behind of back of sidewalk & "SAFETY STEP TD-Detectable Warning Systems"
- ⑪ Install ISA Parking Sign (R99) & Van Accessible Sign (R99A), Per 2006 State Std. Plan A90A
- ⑫ 12' Driveway, Per SLO County Standard B-2a A.C.
- ⑬ 2' Shoulder, native material
- ⑭ ISA Marking for Accessible Parking Space & Stall Striping, By Others
- ⑮ Diagonal Striping 3' on center, Per 2006 State Std. Plan A90A, By Others
- ⑯ Construct curb inlet per PCR Handbook Appendix H, Detail 123, see Sheet C5. W=3'
- ⑰ Adjust water meters and firehydrant to grade
- ⑱ 3' wide ribbon gutter, Per SLO County Standard D-5
- ⑲ Place orange ESA Safety Fencing 5' from centerline of oil pipeline
- ⑳ Construct 2' Curb Cut Overflow Per Detail on Sheet C5.
- ㉑ Hydroseed distributed basin area.
- ㉒ Protect existing 8" and 12" oil lines in place
- ㉓ Protect existing survey monument in place
- ㉔ Remove Bush



CIVIL REMINDERS		200 Tully St. Road ARROYO GRANDE, CA 93420 805 270 5280 CHRISTOPHERCIVILSDREMINDERS.COM	
WBS 300476 OLDE TOWN NIPOMO PARK AND RIDE PLAN			
COUNTY OF SAN LUIS OBISPO, STATE OF CALIFORNIA			
DESIGN/DRAWN: CF/CF	COUNTY PLAN CHECK:	DATE	DATE
JOB No.: 674003	COUNTY W.O. No. WBS 300476	DATE	DATE
CALIFORNIA COORDINATES:		N	E
		8-19-14	SHEET C3 5 SHEETS

MATCHLINE - SEE SHEET C4



Appendix E – Low Impact Development Institute (LID) Specifications

BIORETENTION SOIL MEDIA (BSM)

BSM shall comprise of:

INGREDIENT	PERCENT BY VOLUME
Mature Compost	30-40
Sand	60-70

BSM shall not be mixed on site.

Mature Compost

- Unless otherwise approved by the Low Impact Development Initiative staff, compost must be derived from one or a combination of the following types of materials:
- Green material consisting of chipped, shredded or ground vegetation or clean, processed recycled wood products
 - Biosolids*
 - Mixed food waste

*Compost must not be derived from mixed, municipal solid waste and must not contain paint, petroleum products, pesticides or other chemical residues harmful to plant or animal life. Compost shall be relatively free of inert ingredients, including glass, plastic and paper.

Mature compost must arrive on site at a temperature < 120° F and meet at least one of the following stability methods:

METHOD	UNITS	REQUIREMENT
NH ₄ -N Ratio	None	< 3
Total NH ₃ -N	ppm, dry basis	< 500
Seed Germination	Percent	> 80 of control
Plant Trials*	Percent	> 80 of control
Solvita*	Index value	> 5

AND at least one of the following maturity indices in the following table:

METHOD	UNITS	REQUIREMENT
OUR Test	O ₂ / unit TS / hr	< 1.3
SOUR Test	O ₂ / unit BVS / hr	< 1.5
CO ₂ Test	C / unit VS / day	< 8
Dewar	Temp. rise (°C)	< 20
Solvita*	Index value	> 5

Compost must comply with the following gradation requirements below

SIEVE SIZE	PERCENT PASSING (BY WEIGHT)
1 inch	99
3/4-inch	90
3/8-inch	40
No. 200	2

County of San Luis Obispo
Post Construction Requirements Handbook (Version 1.1 – March 2014)

Appendix E-1

Compost shall comply with the requirements shown in the following table:

PROPERTY	REQUIREMENT
Bulk Density	500 and 1100 dry lbs/cubic yard
Moisture Content	30% - 55% of dry solids
Inert Materials	< 1 % by weight or volume combined total
Carbon : Nitrogen Ratio	15:1 < C/N < 25:1
Salinity	< 6.0 mmhos/cm
pH	6.5 < pH < 8.0
Total Nitrogen content	> 0.5%
Boron	< 8- ppm dry
	< 2.5 ppm soluble

Where TMECC- Test Methods for the Examination of Composting and Compost

Sand
ASTM C33 for fine aggregate, or...the following gradation requirements:

SIEVE SIZE	PERCENT PASSING (BY WEIGHT)
3/8 inch	100
No. 4	90
No. 8	70
No. 16	40
No. 30	15
No. 40	5
No. 100	0
No. 200	0

COMPOST MULCH
Compost mulch shall consist of 100% of mature compost. See BSM for aged compost specifications.

GRAVEL FILTER
Gravel filter shall consist of 3" deep layer of 3/4" (no. 4) open-graded aggregate.

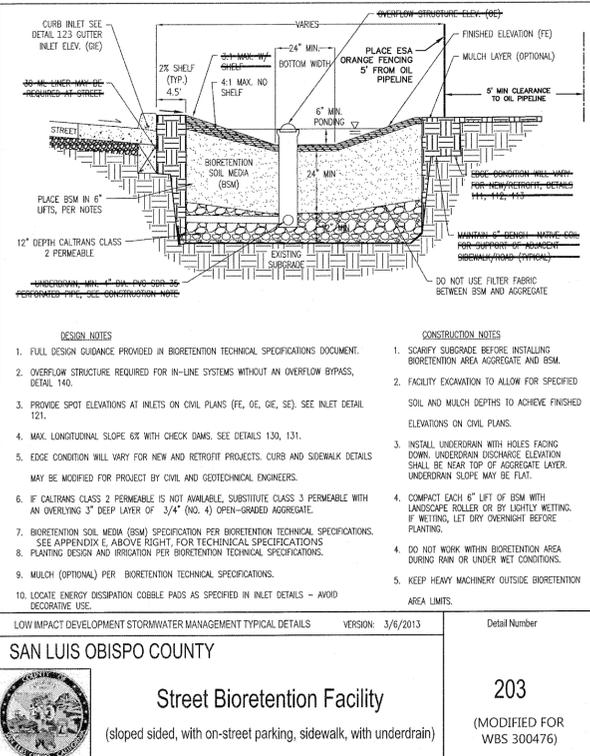
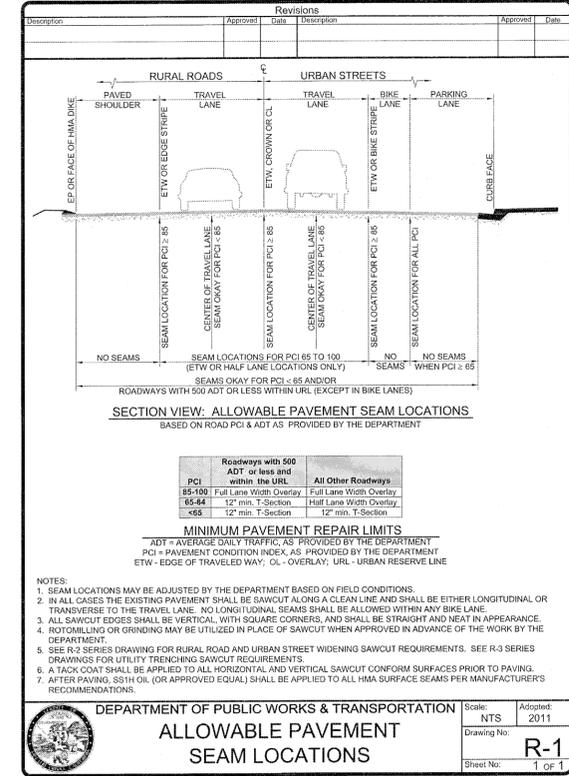
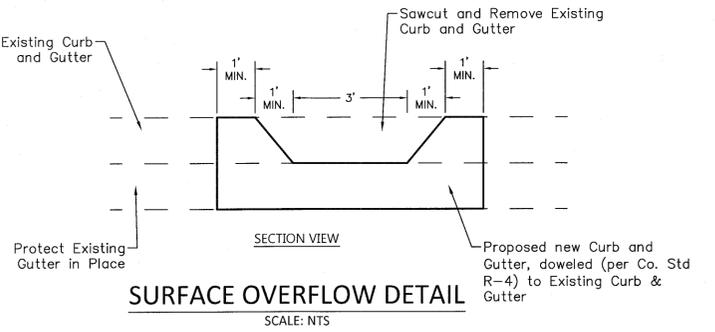
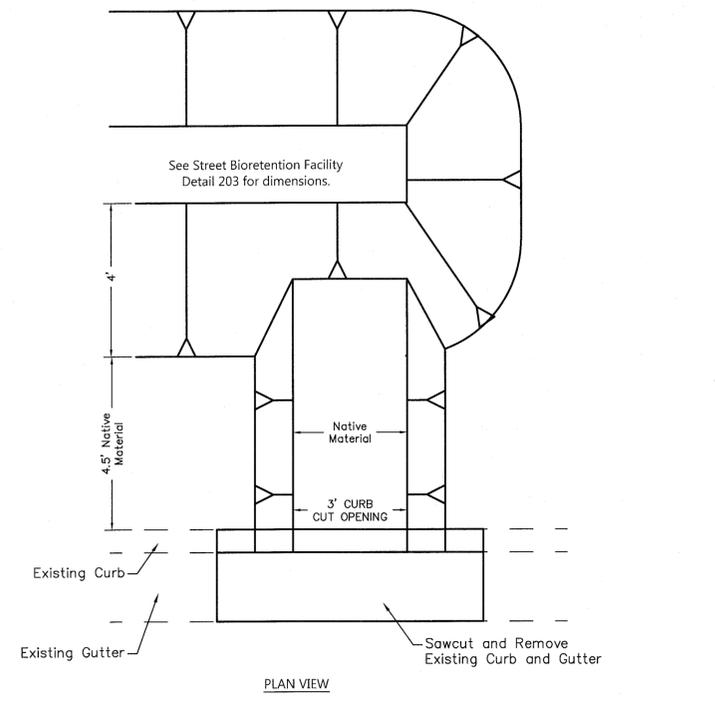
OR
Gravel filter shall conform to Caltrans Class 2 Permeable Material (Section 68-2.02F(3)) gradation requirements:

SIEVE SIZE	PERCENT PASSING
1 inch	100
3/4 inch	95-100
3/8 inch	40-100
No. 4	25-40
No. 8	18-33
No. 30	5-15
No. 50	0-7
No. 200	0-3

Class 2 permeable material must have a sand equivalent value of not less than 75.

PLANT PALETTE The plant palette shall be according to the Plant List found in Appendix F.
County of San Luis Obispo
Post Construction Requirements Handbook (Version 1.1 – March 2014)

Appendix E-2



Carrillo Street PCI = 51 ROAD NO. 5191

CIVIL REMINDERS

WBS 300476 OLDE TOWNE NIPOMO PARK AND RIDE BSM DETAILS AND REQUIREMENTS
COUNTY OF SAN LUIS OBISPO, STATE OF CALIFORNIA

DESIGN/DRAWN: CF/CF COUNTY PLAN CHECK: _____ DATE: _____
JOB No.: 674003 COUNTY W.O. No.: _____ DATE: _____
WBS 300476 SHEET: C5/5 SHEETS

CALIFORNIA COORDINATES: N E



DEPARTMENT OF PUBLIC WORKS & TRANSPORTATION
ALLOWABLE PAVEMENT SEAM LOCATIONS
Scale: NTS Adopted: 2011
Drawing No.: R-1
Sheet No.: 1 of 1

SAN LUIS OBISPO COUNTY
Street Bioretention Facility
(sloped sided, with on-street parking, sidewalk, with underdrain)
203
(MODIFIED FOR WBS 300476)