

COUNTY OF SAN JOAQUIN

DEPARTMENT OF PUBLIC WORKS

P.0. BOX 1810-1810 E. HAZELTON AVENUE STOCKTON, CALIFORNIA 95201 (209) 468-3000 FAX # (209) 468-9324 Permit No: **PS-1702619**Date Issued: 08/22/2017
Start Date: 02/01/2019
Exp. Date: 09/30/2019
Project No: PWP791710

Quad: NE

ENCROACHMENT PERMIT

To: LODI UNIFIED SCHOOL DISTRICT 1305 E VINE ST LODI, CA 95240

Encroachment Type:		
Road Improvements		

Location:

JACK TONE RD S/O HAMMOND ST

In compliance with your request of <u>08/23/2017</u>, permission is hereby granted to do work in County right-of-way as shown on attached application and subject to all the terms, conditions and restrictions written below or printed as general or special provisions on any part of this form. See reverse side and attached sheet, if any.

Trench excavations for service connections will not be permitted within ten feet (10') of pavement centerline unless otherwise approved by the Director. Surface of trench patches shall match in kind and be smooth and even with that of abutting surface. Special attention shall be given to depth of utilities through roadside area in anticipation of future drainage facilities, road profile and/or frontage development. All underground utility facilities are to be established and accurately dimensioned on sketches from surveyed centerline of road right of way, or from right of way (border) lines.

Permittee shall call the Department of Public Works, Field Engineering Division (Permit Inspections) at (209)953-7421 at least forty-eight hours prior to beginning any work within the County right of way. All work performed under this permit shall conform to the rules and regulations pertaining to safety established by the California Division of Industrial Safety and Cal-OSHA.

The jobsite shall be kept in a safe condition at all times by the daily removal of any excess dirt or debris which might be a hazard to either pedestrian or automobile traffic. All necessary traffic convenience and warning devices and personnel shall be provided, placed and maintained by and at the sole expense of the Permittee in accordance with the latest edition of the CALTRANS Manual of Traffic Control.

After completion of the work permitted herein, all debris, lumber, barricades, or any excess material shall be removed and the jobsite left in a neat workmanlike manner. Immediately following completion of construction permitted herein, Permittee shall fill out and mail notice of completion (see attached post card) provided by Grantor.

Special Cor Cotton Stre	et Improvements			
Traffic C	Control per MUTCD			
FORMS:	SS/WW, R-29			

Est. Permit Fee: \$17,567.00

KRIS BALAJI, Director
Department of Public Works

WHITE GOLDENROD YELLOW -Permittee -PWD Central File

-Field Inspection

PINK

-Permit Section

ENCROACHMENT PERMIT GENERAL PROVISIONS

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1. This permit is issued under and subject to all laws and ordinances of agencies governing the encroachment herein permitted. See the following references:

STREETS AND HIGHWAYS CODE

- 1. Division 1, Chapter 3
- 2. Division 2, Chapter 2, Section 942
- 3. Division 2, Chapter 4, Section 1126
- 4. Division 2, Chapter 5.5 and Chapter 6

SAN JOAQUIN COUNTY ORDINANCES NUMBERED: 324, 441, 648, 662, 672, 695, 700, 860, 892, 3359, and 3675.

- 2. It is understood and agreed by the Permittee that the performance of any work under this permit shall constitute an acceptance of all the provisions contained herein and failure on the Permittee's part to comply with any provision will be cause for revocation of this permit. Except as otherwise provided for public agencies and franchise holders, this permit is revocable on five days notice.
- 3. All work shall be done subject to the supervision of and the satisfaction of the grantor. The Permittee shall at all times during the progress of the work keep the County Highway in as neat and clean condition as is possible and upon completion of the work authorized herein, shall leave the County Highway in a thoroughly neat, clean and usable condition.
- 4. The Permittee also agrees by the acceptance of this permit to properly maintain any encroachment structure placed by the Permittee on any part of the County Highway and to immediately repair any damage to any portion of the highway, which occurs as a result of the maintenance of the said encroachment structure, until such time as the Permittee may be relieved of the responsibility for such maintenance by the County of San Joaquin.
- 5. The Permittee also agrees by the acceptance of this permit to make, at its own expense, such repairs as may be deemed necessary by the County Department of Public Works.
- 6. It is further agreed by the Permittee that whenever construction, reconstruction or maintenance work upon the highway is necessary, the installation provided for herein shall, upon request of the County Department of Public Works, be immediately moved or removed by and at the sole expense of the Permittee.
- No material used for fill or backfill in the construction of the encroachment shall be borrowed or taken from within the County right of way.
- 8. All work shall be planned and carried out with as little inconvenience as possible to the traveling public. No material shall be stacked within eight feet (8') of the edge of the pavement or traveled way unless otherwise provided herein. Adequate provision shall be made for the protection of the traveling public. Traffic control standards shall be utilized including barricades; approved signs and lights; and flagmen, as required by the particular work in progress.
- 9. The Permittee, by the acceptance of this permit, shall assume full responsibility for all liability for personal injury or damage to property which may arise out of the work herein permitted or which may arise out of the failure of the part of the Permittee to properly perform the work provided under this permit. In the event any claim of such liability is made against the County of San Joaquin or any department, official or employee thereof, the Permittee shall defend, indemnify, and hold each of them harmless for such claim.
- 10. All backfill material is to be moistened as necessary and thoroughly compacted with mechanical means. If required by the County Director of Public Works, such backfill shall consist of gravel or crushed rock. The Permittee shall maintain the surface over structures placed hereunder as may be necessary to insure the return of the roadway to a completely stable condition and until relieved of such responsibility by the County Department of Public Works. Wherever a gravel, crushed rock or asphalt surface is removed or damaged in the course of work related to the permitted encroachment, such material shall either be separately stored and replaced in the roadway as nearly as possible in its original state or shall be replaced in kind, and the roadway shall be left in at least as good a condition as it was before the commencement of operations of placing the encroachment structure.
- 11. Whenever it becomes necessary to secure permission from abutting property owners for the proposed work, such authority must be secured by the Permittee prior to starting work.
- 12. The current and future safety and convenience of the traveling public shall be given every consideration in the location and methods of construction utilized.
- 13. The Permittee is responsible for the preservation of survey monuments located within the area of work herein permitted. Prior to the start of construction, survey monuments that potentially may be disturbed shall be located and referenced by a Licensed Land Surveyor, and a Corner Record filed with the County Surveyor. Any Survey Monuments disturbed during the course of construction shall be reestablished by a Licensed Land Surveyor and another Corner Record filed with the County Surveyor. (Land Surveyors' Act Section 8771)
- 14. Prior to any excavation, the Permittee shall notify USA North (Underground Service Alert of Northern California and Nevada) at 811 or 800-227-2600 forty-eight (48) hours in advance.

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SPECIAL CONDITIONS FOR COTTON STREET IMPROVEMENTS ENCROACHMENT PERMIT

- 1. Maintain traffic controls for all roads. Traffic control delays shall not exceed 15 minutes. Two-way traffic shall be maintained during non-working hours with excavated areas backfilled or plated. During working hours, two-way traffic control shall be maintained with one lane open and appropriate flaggers. The contractor shall submit traffic control plans for all signing, detours, and any lane closure impacting County right-of-way. Traffic control plans shall be submitted two weeks prior to the closure date.
- 2. Access to the school property shall be maintained at all times except when work is occurring at the access point. Minimal delays will be allowed to provide access within the work zone area. Driveway access shall be fully restored at the end of each workday. Driveways disturbed by the contractor shall be replaced with in-kind or better materials.
- 3. Lockeford Elementary School shall be notified in writing, as approved by the County, 48 hours in advance of any impacts to their access.
- 4. Any areas where parking is to be restricted shall have signs noting the restrictions in place at least 48 hours in advance.
- 5. School Buses shall be passed through the work zone with minimal delays.
- 6. All destroyed or obliterated pavement markings must be replaced in kind by the permittee. Typical pavement markings include but not limited to lane lines, centerlines, stop and stop ahead legends, limit lines, raised pavement markers and miscellaneous delineators.
- 7. The Permittee is responsible for the preservation of survey monuments located within the area of work herein permitted. Prior to the start of construction, survey monuments that potentially may be disturbed shall be located and referenced by a Licensed Land Surveyor, and a Corner Record filed with the County Surveyor. Any Survey Monuments disturbed during the course of construction shall be reestablished by a Licensed Land Surveyor and another Corner Record filed with the County Surveyor. (Land Surveyors' Act Section 8771)
- 8. All future maintenance of the pipeline and related facilities within the County right-of-way will require a San Joaquin County Encroachment Permit.
- 9. Trenches shall be maintained in a smooth and even condition to the satisfaction of the County throughout the project limits at all times.
- 10. All trenches shall be completely backfilled or shored and plated at the end of each workday, and the roadway restored to two-way traffic. If plating is to be used, a trench shoring and plating plan suitable for traffic loadings shall be prepared by a registered civil engineer and submitted for prior approval by the County.
- 11. The contractor shall use San Joaquin County Improvement Standard R-29 when backfilling trenches within the County right-of-way. Where the existing road structural section is below

- standard, a minimum section of 3 inches of asphalt concrete over 8 inches of aggregate base shall be required.
- 12. Hammond Street & Jack Tone Road subject to pavement cuts shall receive a Type II slurry seal for half of the roadway that will have pavement cuts as per San Joaquin County Department of Public Works Improvement Standards Section 2-5.0 Trench Cut Policy. Shoulder areas shall be brought up to the finish grade as directed by the County.
- 13. No paving joints are allowed within paved shoulder; contractor shall pave all the way to outer edge of paved shoulder.
- 14. Class II Aggregate Base shoulder backing is required from the edge of pavement, a minimum of 4-inches thick by 4-feet wide.
- 15. Contractor shall establish existing roadway and drainage grades within the construction area. Any repair to roadways and adjacent areas shall match existing grades. Any proposed grade changes shall receive prior approval from County.
- 16. Above ground vaults, panels and/or other similar facilities will be allowed within the right-of-way if located as far to the outside edge as possible. Utility vaults shall be located a minimum of 4'-0" from edge of pavement.
- 17. County roads shall be kept clean from mud and debris at all times along the access points and work zone areas during entire project. All standard roadway striping and signage shall be clearly visible, maintained and restored throughout the construction zone during and after the project.
- 18. In addition to standard dust control measures, streets shall be maintained in a clean condition, free of dirt, mud and debris during construction activities. The contractor shall provide daily, and as determined to be necessary by County inspectors, street sweeping using a modern mechanical or vacuum-assisted street sweeper.
- 19. The contractor shall not conduct construction operations in rain or heavy fog conditions.

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	APPLICATION FOR	ENCROAC	HMENT PERMIT		
PLEASE	EPRINT:				
Date	August 11, 2017	*	OFFICE USE ON	VLY Y	
To:	San Joaquin County Department of Public Works	JOB# APN	791710 REI	-	
Lodi	Unified School District-Warren Sun	EXP. DATE VALID	10/01/2019 03/01/2019 TO 09/3	2 10 10	DRIVEWAYS:
	(Applicant Name)	STREET	Cotton Street Lockeford QUAD NI	-	*
1305	E Vine St	TYPE	Frenching, Privewa	y S	*
	(Mailing Address)	FORMS	SS/WW, R-29, Trench Co		
Lodi	, CA 95240	NOTES	Special Conditions		/
LOUL	(City, State, Zip Code)				
32 (2. 1)					
(209) 331-7218				
	(Area Code - Telephone Number)		The second of the second		AND THE RESIDENCE
_wsun	@ <u>lodilusd.net</u> (Email Address)				
10 V					
Sketch	n (Detailed plans may be submitted)				
	Plans & Drainage Study are atta	ached her	reto.		
	Any comments need to be addressed at 1150 W Robinhood Dr., Ste 1-C, (209) 477-0899 or (209) 482-6599. jmsang@aol.com			anguinett:	i & Assoc.
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The undersigned hereby applies for permission to excavate, con	nstruct and/or otherwise encroach on County Highway Right-of-Way o
	approximately <u>250ft</u> feet/mile <u>south</u> , by performing the following work (description of work)
construction of a 2ft wide conc median,	approx. 60 ft together with some shoulder
widening on both sides of median just s	outh of Lock Rd at the abandoned RR crossing.
	e ^r
Work will commence on or afterOctober 2017	for approximately60_daysdays
	property, or am qualified to represent the owner and agree to do the ions of San Joaquin County and subject to inspection and approval. Date
1 h o fauro se a reministrativa con investo, con alla face reconstructions (neven)	8





Department of Public Works

Kris Balaji, Director of Public Works

Fritz Buchman, Deputy Director/Development Michael Selling, Deputy Director/Engineering Jim Stone, Deputy Director/Operations Kristi Rhea, Manager of Strategic Initiatives

Acknowledgement of Monument Preservation

I, Michael D. Farley ____, a duly Licensed Land Surveyor or a Professional Engineer (Please print)

authorized to perform Land Surveying in the State of California, Registration No. LS6939 ____, hereby acknowledge and accept all responsibility for the monument preservation as required per Section 8771(a-f) of the Business and Professions Code within the bounds of the construction activity permitted by San Joaquin County Permit No. PS-1702619 ___.

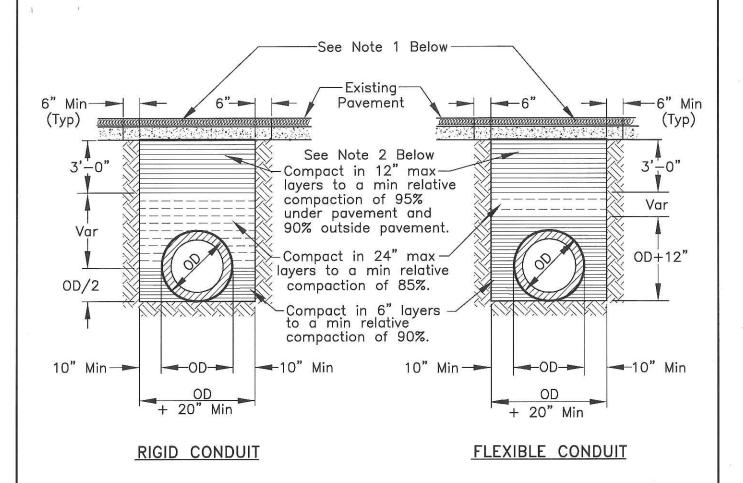
I further acknowledge that I am hereby responsible for the Acknowledgement of Monument Preservation prior to final acceptance of the construction activity.

PS-MONUMENT PRESERVATION

NO. 6939

Signature

Date



NOTES:

- 1. New pavement shall be 1" thicker than existing pavement, minimum of 0.25 Ft. New base shall be 1" thicker than existing base, min of 0.50 Ft.
- 2. Select native material or imported granular material as approved by the Director of Public Works. Backfill with materials equal to or better than the existing pavement and base in quality.
- 3. Relative compaction of materials shall be tested in accordance with the State of California, Dept. of Transportation Testing Manuals, test method No. California 216 or 231.
- 4. All existing pavement shall be neatly cut to line prior to trench excavation.
- 5. Jetting or ponding will be permitted within the street right—of—way with a 3 year bond, when approved by the Director of Public Works.
- 6. When shown by soil composition and compactability, ninety percent (90%) compaction may be used, when approved by the Director of Public Works.
- Special bedding and backfill requirements may be shown on the plans or specified in the special provisions.



☆ 2-5.0 TRENCH CUT POLICY

2-5.01 General Requirements

- A. Resurfacing requirements specified in this policy are in addition to the trench resurfacing requirements specified by County Standard Drawing No. R-29.
- B. For the purpose of this policy, "Surfacing Age" is defined as the age of the most recently completed roadway surfacing, including construction, reconstruction, or major overlay.
- C. Where the application of seal coats is required, a Type II Slurry Seal will be used in accordance with State Standard Specifications, Section 37-2.
- D. The permittee must post a one-year maintenance bond or cash deposit, in an amount specified by the Department.
- E. All pavement markings destroyed or obliterated must be replaced in kind by the permittee. Typical pavement markings include, but are not limited to, lane lines, centerlines, stop and stop ahead legends, limit lines, raised pavement markers, and miscellaneous delineators.
- F. The permittee is responsible for Survey Monuments disturbed by trenching and is required to file a corner record and to reestablish them using a Licensed Land Surveyor after the trench restoration is completed.
- G. Functional classification maps and Public Works Project Advertising Schedules are references for this policy.
- H. To facilitate scheduling and planning, Public Works staff will make available the most current Project Advertising Schedule at the monthly Utility Coordination Meeting and make it available to the public, at the Permits Counter, in January each year.

2-5.02 Collectors, Arterials and Expressways

- A. Surfacing Age less than Three (3) Years: No pavement cuts. Exceptions may be approved in accordance with Section 2-5.04 EXCEPTIONS.
- B. Surfacing Age Three (3) Years and Over:
 - 1. Longitudinal Trench Cutting in Paved Shoulder

Areas:

The entire shoulder of the road is to be resurfaced. The existing surfacing adjacent to the trenched area shall be planed to accommodate the overlay in a manner that does not cause drainage concerns. The nearest pavement cut shall be a minimum of three (3) feet from the edge of pavement, or the remaining pavement shall also be removed and replaced. (See County Standard Drawing No. R-37).

2. Longitudinal Trenches within Traveled Lanes:

The entire traveled lane where the trench is located is to be resurfaced with a one (1) inch asphalt concrete overlay. The existing surfacing adjacent to the trenched area shall be planed to accommodate the overlay in a manner that does not cause drainage concerns. The overlay shall be in accordance with State Standard Specifications, Section 39. Aggregate gradation shall be consistent with the existing surfacing material. (See County Standard Drawing No. R-37).

3. Cross-Cutting:

Cross-cutting is allowed at a minimum interval of 150 feet. At each cross-cut location a minimum of ten (10) feet on each side of trench shall be planed and resurfaced with one (1) inch asphalt concrete. If cross cuts are within the 150 feet minimum interval, the entire section between the first and last cross cut shall be planed and resurfaced with one (1) inch asphalt concrete. (See County Standard Drawing No. R-36).

 The conditions described in paragraphs 1, 2 and 3 above will not apply if resurfacing is scheduled within two years.

2-5.03 Local Roads

A. Surfacing Age Under Three (3) years: No pavement cuts allowed. Exceptions may be approved in accordance with Section 2-5.04 EXCEPTIONS.

A B. Surfacing Age Three (3) to Five (5) Years:

1. Longitudinal cuts are permitted. A seal coat is required for that half of the roadway containing the trench. (See County Standard Drawing No. R-37).

2. Cross-cutting is allowed under the same conditions as Section 2-5.02(B)(3). If cross-cuts occur within the 150 feet minimum interval, resurfacing may be substituted with a slurry seal for that half of the roadway. (See County Standard Drawing No. R-36).

2-5,04 Exceptions

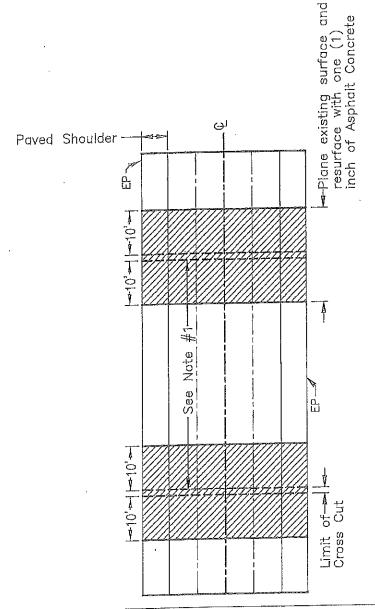
Excavation is prohibited in newly renovated County roadways for three (3) years after a notice of completion has been filed for a roadway improvement project, or a new roadway has been accepted. The Director of Public Works may approve exceptions that are in the best interest of the public, including but not limited to:

- A. An emergency that endangers life or property.
- B. For repair or modification to prevent interruption of essential utility service.
- C. For relocation work that is mandated by County, State or Federal law.
- D. For service for buildings where no other reasonable means of providing service exists.
- E. For potholing to verify utility depth or location.
- F. For trenchless excavations greater than three feet in depth of cover over the utility facility, and not requiring a significant surface Incision greater than industry bore pit standards.

Exceptions must be requested and submitted in writing to the Department. Payment of a nonrefundable processing fee is also required. Exceptions will be reviewed using the Departments Action Approval process, which requires the recommendation of a Deputy Director.

NOTES:

- If the distance between cross—cuts are less then 150' the entire area between corss—cuts shall be planed and resurfaced with one (1) inch of Asphalt Concrete.
- The resurfacing requirements shall be in addition to County Standard Drawing No. R-29.
- Resurfacing for Bell Holes shall meet these requirements, if excavation occurs within 3. the shoulder or lane, only that area shall be resufaced as shown.
- If cross-cutting is performed on Local Roads at intervals less then 150' a Seal Coat for that half of the roadway containing the trench can be used in lieu of resurfacing. Section 2-5.03 (B-2).





Working for YOU

TRENCH CUTTING POLICY CROSS CUTTING OF

COUNTY OF SAN JOAQUIN

DEPARTMENT OF PUBLIC WORKS

Date: MAY 2015 Std. Dwg. No.

Approved by:

Revision Description

R-36

NOTES:

The resurfacing requirements shall be in addition to County Standard Drawing No. R-29.

2. If longitudinal cuts are required on a Local Road a Seal Coat can be used for that half of the roadway containing the trench. Section 2-5.03 (B-1).

Area to be resurfaced with one (1) inch Asphalt Concrete overlay existing surface to be planed, to accommodate overlay. Section 2-5.02 (B-2). -Payed Shoulder -3′ minimum. If <3', the remaining pavement shall be removed and replaced before resurfacing. Section 2-5.02 (B-1). Area to be resurfaced with -Area to be resurfaced with one (1) inch Asphalt Concrete one (1) inch Asphalt overlay existing surface to be Concrete overlay existing planed to accommodate surface to be planed to overlay. Section 2-5.02 (B-2) accommodate overlay. Section 2-5.02 (B-1).



TRENCH CUTTING POLICY LONGITUDINAL CUTTING OF COUNTY ROADWAYS

COUNTY OF SAN JOAQUIN

DEPARTMENT OF PUBLIC WORKS

Approved by:

Revision Description Date

Date: MAY 2015 Std. Dwg. No. R-37

GENERAL PROVISIONS

GOVERNING INSTALLATION OF SUBSURFACE STRUCTURES AND PIPELINES WITHIN COUNTY ROAD RIGHTS-OF-WAY

PUBLIC CONVENIENCE AND SAFETY:

- A. Before obstructing any private driveway entrance or County road traveled way with a trench, spoil bank, equipment or other barrier permitted for any prolonged period of time, the Permittee shall notify the known users of the respective thoroughfare(s) involved, and shall provide access for vehicular and pedestrian traffic to and from the road.
 - Unless otherwise permitted, all work shall be conducted in such a manner that no less than one lane of the existing County road traveled way will be maintained open to public traffic during working hours in a smooth and safe riding condition(s). Two lanes shall be open after working hours.
 - In cases where road closure is permitted, the permission to close the road will be granted under the condition that the Permittee notify the
 following persons and/or agencies of the time, the period of closure, and the detour route at least twenty-four (24) hours prior to said road closure.

a. The County of San Joaquin Public Works Department

d. The local fire districte. The local school district

b. The County of San Joaquin Sheriff's Officec. The local postal service

e. The local school district f. The local residents involved

- B. Should hazardous conditions relative to the installation operations warrant flagmen, as many capable flagmen as may be necessary shall be provided by the Permittee and stationed in advance of work to warn and direct traffic.
- C. Lights, signs and barricades shall be furnished, erected and maintained by the Permittee for the adequate warning and convenience of the public, with particular attention to be taken in this regard after dark.
- D. Any excess dirt and/or debris which might be a hazard to either automobile or pedestrian traffic, uncontrollable by lights, signs and barricades, shall be removed from the jobsite daily.

STRUCTURES:

- A. Walls of structures shall be such quality and strength that they will resist all pressures and will not crack or be deformed in such a way as to create a hazard or maintenance problem at any time. Therefore, the minimum structural requirements for concrete pipe placed under county road rights-of-way shall conform to the following American Association of State Highway and transportation Officials (AASHTO) designations.
 - For concrete pipe up to and including thirty-three inches (33") inside diameter, extra strength concrete conforming to AASHTO Designation M 170M
 - 2. For concrete pipe thirty-six inches (36") inside diameter and larger, reinforced concrete pipe conforming to AASHTO Designation M 170M Class
 - Plastic pipe conforming to AASHTO Designation M294.
- B. All concrete pipe joints with County road rights-of-way shall be sealed against leakage and/or infiltration with rubber gasket in conformance with Section 65-1:06 of the California Standard Specifications, or with other methods as may be permitted under the Special Provisions.
- C. Cast-in-place concrete pipe, vitrified clay pipe, spiral welded steel pipe, or corrugated aluminum alloy pipe shall not be installed within the County road rights-of-way unless specifically so stated in the Special Provisions, and only under the conditions as provided.
- D. All structures to be buried within the County rights-of-way shall be set at such elevations as to allow minimum coverage of thirty inches (30") to the centerline of the roadways and twelve inches (12") at the bottoms of borrow ditches each side of the roadways. The depths of structures shall be established below a flat plane extending across the rights-of-way, no part of which shall extend above the elevations stated above; manholes, lampholes, valves, etc. not included. Future surface elevations shall be anticipated as nearly as possible and structure elevations shall be established for future adjustments accordingly.
- E. The County hereby reserves the right to specify in the Special Provisions the gage and surface treatment of any galvanized corrugated metal pipe that is to be installed
- F. All longitudinal utility facilities are to be established (and dimensioned on sketches) from surveyed centerline of road right-of-way, not from right-of-way (border) lines.

REPAIRS OF THE COUNTY RIGHT-OF-WAY:

- A. All excavations shall be backfilled and compacted immediately after work therein has been completed.
- B. Trenched shall not be left open farther than 300 feet in advance of pipe laying operations, or 200 feet to the rear thereof, unless otherwise permitted by the Engineer.
- C. Unless otherwise permitted under the Special Provisions, backfill shall be placed and mechanically compacted in such a manner that the relative compaction throughout the entire fill within the County road right-of-way shall conform to the percentages of compaction as shown on the Trench detail.
- D. Backfill material shall be placed in horizontal uniform layers not to exceed in thickness, before compaction, 0.67 foot in the bedding region, one -foot where 90% compaction is required, and two-feet where 80% compaction is required.
- E. No portion of the excavation(s) shall be compacted by ponding or jetting unless a maintenance bond is provided.
- F. Gravel backfill material shall be utilized only where specifically so stated on the face of the permit. It shall be compacted by means of a high-frequency internal vibrator, the compactor to be a size and type approved by the Engineer. Points of compaction shall not be greater than 18" centers and to the full depth of the lift
- G. All pavements, curbs, gutters, sidewalks, borrow ditches, pipes, head walls, road signs, trees, shrubbery, and/or other permanent road facilities impaired by or as a result of construction operations at the construction site(s) occupied by materials and/or equipment, shall be restored immediately upon backfilling of the excavation to the original grades and cross sections, and to a condition as good as, or better than existing prior to construction.
- H. All surfacing materials of roadways and driveway approaches cut or damaged by or as a result of construction operations, shall be replaced within ONE WEEK following the backfilling of excavation, weather permitting, with compacted layers of surfacing materials at least as thick as the existing, and no less than two inches (2") of asphalt concrete over six inches (6") of aggregate base, both as specified below.
 - 1. Asphalt Concrete: Combined mineral aggregate shall conform to the quality and gradation requirements for Type "B" one-half inch(1/2) maximum aggregate, coarse or medium gradation as specified in Section 39 of the California Standard Specifications. The bituminous binder to be mixed with mineral aggregate shall be paving asphalt having (Grade PG 64-10), unless otherwise directed by the Engineer. Placement of asphalt concrete surfacing shall conform to the applicable provisions of Section 39 of the California Standard Specifications.
 - 2. Aggregate Base: Combined mineral aggregates shall conform to the quality and the grading for three-quarter inch (3/4") maximum size aggregate Class 2 Aggregate Base specified in Section 26 of the California Standard Specifications.
- Before acceptance of repairs to the County road rights-of-way, all unsightly and detrimental dirt, dust and/or debris shall be removed and the construction areas left in a neat and presentable condition(s).
 - 1. If necessary, County road traveled way and driveway pavements shall be washed with water to remove dirt and dust.
 - 2. Driveway approaches and field entrance pavements damaged by equipment or spoil banks shall be repaired as directed by the Engineer.
- J. Upon request by the County, any settlement, sagging of surface, or cracking of pavement shall be repaired immediately by and at the sole expense of the Permittee for a period of one year following acceptance of the work.

SPECIAL PROVISIONS

Winter Weather Utility Work

- 1. <u>SUPERVISION:</u> The utility company (**permittee**) shall furnish full-time supervision of all work to insure compliance with the permit provision.
- 2. START OF WORK: No work within the County right-of-way shall be started until the utility company representative has made an evaluation of weather conditions and has determined the work can be accomplished under the provisions of the permit.
- 3. <u>CLEAN PAVEMENT:</u> Dirt and mud shall not be deposited on the pavement outside the area of work, and if inadvertently tracked onto the road travel way shall be removed immediately.
- 4. **DAILY RESTORATION:** Private driveways and road intersections shall be restored daily.
- 5. <u>WEATHER-TIGHT CONDITIONS:</u> All trenches shall be filled and compacted, ditches and other drainage facilities regarded and opened, and the entire work area restored to weather-tight condition prior to any rain.

LODI UNIFIED SCHOOL DISTRICT TRAFFIC CIRCULATION PROPOSED

ABBREVIATIONS

AB	AGGREGATE BASE	М	METER
AC	ASPHALT CONCRETE	MBX	MAILBOX
ACI	AMERICAN CONCRETE INSTITUTE	MH	MAINTENANCE HOLE
A.P.N.	ASSESSOR'S PARCEL NUMBER	MIN.	MINIMUM
BC	BEGIN OF CURVE	MAX.	MAXIMUM
BLDG	BUILDING	NO.	NUMBER
BRK-COL	BRICK COLUMN	OC	ON CENTER
C	CONCRETE	P	PAVEMENT
CC	CURB CUTOUT	POC	POINT ON CURVE
CHKV	CHECK VALVE	PP	POWER POLE
CJ	CONTRACTION (CONTROL) JOINT	PRC	POINT OF REVERSE CURVATURE
E	CENTERLINE	PT	POINT
co	CLEAN OUT	PIV	POST INDICATOR VALVE
CONC	CONCRETE	P.U.E.	PUBLIC UTILITY EASEMENT
DBLYEL	DOUBLE YELLOW	RIM	RIM ELEVATION
DI	DRAIN INLET	R.O.W.	RIGHT-OF-WAY
DIA.	DIAMETER	S	SLOPE
DWG	DRAWING	50	STORM DRAIN
DWY	DRIVEWAY	SDMH	STORM DRAIN MAINTENANCE HOLE
EC	END OF CURVE	SMH	SEWER MAINTENANCE HOLE
ELEV	FLEVATION	55	SANITARY SEWER
EP	EDGE OF PAVEMENT	STD	STANDARD
EX	EXISTING	SW	SIDEWALK
EXIST	EXISTING	TBM	TEMPORARY BENCH MARK
F	FENCE	TC	TOP OF CURB
FDC	FIRE DEPARTMENT CONECTION	TYP	TYPICAL
FG	FINISH GRADE	TYPE27	TYPE 27 STRIPE (EDGE LINE)
FL	FLOW LINE	W	WATER
FL-CMP	FLOW LINE CORRUGATED METAL PIPE	WALL	BLOCK WALL
GB	GRADE BREAK	WM	WATER METER
GS	GROUND	w	WATER VALVE
GUY	GUY WIRE	W/	WITH
HB	HOSE BIB	(±)	PLUS OR MINUS
HP	HIGH POINT	ø	DIAMETER
IBX	IRRIGATION BOX	0	AT
J	EXPANSION (CONSTRUCTION) JOINT	12"LIMIT	12" WIDE LIMIT LINE

LEGEND

EXISTING	PROPOSED	DESCRIPTION
4	S=.0035	DIRECTION & RATE OF SLOPE PER FOOT
8.74 Description		ELEVATION & DESCRIPTION OF SHOT
- 21"50	12'50	STORM DRAIN SIZE & DIRECTION
- 8°55		SANITARY SEWER SIZE & DIRECTION
(12"W)		WATER LINE SIZE
⋈		WATER VALVE
0		MAINTENANCE HOLE
B	₽	DRAIN INLET
		DIRECTION OF STORM WATER FLOW
/ - 10		PROPERTY LINE
O		CHECK VALVE
Ā		FIRE DEPARTMENT CONNECTION
\$5.000		TEMPORARY BENCHMARK
		CURB, GUTTER & SIDEWALK
	A 1	DETAIL NUMBER
	5	SHEET NUMBER

SHEET INDEX

SHEET NO. DESCRIPTION

- TITLE SHEET NOTES
- DETAILS
- DETAILS DETAILS
- GATE REPLACEMENT DETAILS
- TOPOGRAPHICAL MAP DEMOLITION PLAN
- TRAFFIC CIRCLE DETAIL
- JACK TONE ROAD
- SCHOOL DROP-OFF COTTON STREET
- PAVING PLAN & CURVE DATA OVERALL STRIPING PLAN
- PEDESTRIAN PATH OF TRAVEL PLAN
- EROSION CONTROL DETAILS & NOTES

GENERAL NOTES CONTINUED:

- THE CONTRACTOR SHALL PROVIDE ALL SHORING, BRACING, SLOPING OR PROVISIONS TO PROTECT WORKMEN FOR ALL AREAS TO BE EXCAMPIED TO A DEPTH OF FIVE (S) FEET OR MORE, IN ACCORDANCE WITH ALL STATE OF CALIFORNIA REQUARIONS.
- THE CONTRACTOR SHALL EXERCISE DUE CAUTION AND SHALL CAREFULLY PRESERVE BENCH MARKS, REFERENCE POINTS, CONTROL POINTS, AND ALL SURVEY STAKES, AND SHALL BEAR ALL EXPENSES FOR REPLACEMENT AND/OR ERRORS CAUSED BY THEIR UNNECESSARY LOSS OR DISTURBANCE OF SAID MONUMENTATION.
- ALL EARTHWORK/TRENCH WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE CURRENT SAN JCAQUIN COUNTY IMPROVEMENT STANDARDS, AND THE SOILS REPORT BY WALLACE KUHL & ASSOCIATES, INC., WKA NO. 795-401, DATED FERRUARY 13, 2008 AND KLEINFELDER MEMO, PROJECT NO. 20182851.001A, DATED NOVEMBER 28, 2017.
- 21) CONTRACTOR TO IMPLEMENT BEST MANAGEMENT PRACTICES (BMP'S) AS REQUIRED BY SAN JOAQUIN COUNTY & STATE LAW, SEE SHEETS 16 & 17 FOR EROSION CONTROL REFERENCES.
- 22) ALL DRAWINGS ISSUED WITHOUT THE APPROVAL DULY SIGNED AND DATED BY THE ENGINEER OF RECORD SHALL BE CONSIDERED PRELIMINARY AND SHALL NOT BE USED FOR CONSTRUCTION.
- BOUNDARY NOTE: BEARINGS & DISTANCES SHOWN ARE BASED UPON RECORD MAP INFORMATION, NO BOUNDARY SURVEY WAS PERFORMED.

LOCKEFORD ELEMENTARY SCHOOL

A.R. SANGUINETTI & ASSOCIATES CONSULTING CIVIL ENGINEERS STOCKTON, CALIFORNIA



TION

VICINITY MAP (NO SCALE)

BENCHMARK INFO

BENCH MARK USED: SAN JOAQUIN COUNTY BENCH MARK LIST, DATED JANUARY 1983

SAN JOAQUIN COUNTY BENCH MARK, ELEVATION = 100.456 (* BENCH = LM) (MARK * = -10.6) SECTION 31, TAM, RBE, TILLY ROAD, X-ROAD BRANDT USCE BRASS CAP CA-68, 425' N/O BRIDGE OVER BEAR CREEK (DATE 10/78)

TEMPORARY BENCHMARK INFO

"FOUND 3/4" IRON PIN" IN JACK TONE ROAD MONUMENT WELL, NO TAG, LOCATED 42:30 FEET FROM THE INTERSECTION OF JACK TONE ROAD & HAMMOND STREET, SEE TOPOGRAPHICAL MAP FOR LOCATION. ELEV. = 101.74

ORDER OF WORK

THE CONTRACTOR'S FIRST ORDER OF WORK SHALL BE TO VERIFY THE LOCATION & ELEVATION OF ALL EXISTING UTILITY FACULTIES WHICH ARE A PART OF OR MAY BE IN COUNTILITY WITH A PART OF THE WORK HERBIN CONTRIBUTATION. THIS INFORMATION SHALL BE PROVIDED TO THE DESIGN ENGINEER IMMEDIATELY. THE SECOND ORDER OF WORK SHALL BE TO COORDINATE THE RELOCATION OF THOSE FACILITIES IN THE EVENT OF CONFLICT.

- THE FIRM PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THE PLANS MUST BE IN WITHING AND MUST BE APPROVED BY THE PREPARER OF THESE PLANS.
- CONSTRUCTION STAKING IS NORMALLY PERFORMED BY THE FIRM WHO PREPARED THE PLANS. THIS PERMITS APPROPRIATE AND NECESSARY ONSITE INTERPRETATION AND ADJUSTMENT OF THE PLANS. THIS NOTE CIVES FORMAL NOTICE THAT THE FIRM OF AR. SANGUINETT & ASSOCIATES CANNOT AND WILL NOT, TAKE RESPONSIBILITY FOR ERRORS OR OMISSIONS, IF ANY, WHICH MIGHT OCCUR AND WHICH COLD HAVE BEEN AVOIDED OR DETECTED AND/OR CORRECTED OR MITIGATED HAD A.R. SANGUINETTI & ASSOCIATES PERFORMED THE CONSTRUCTION STAKING.
- ALL MONUMENTS IN WORK SITE AREA THAT WILL BE DISTURBED DURING CONSTRUCTION SHALL BE REFERENCED BY A LAND SURVEYOR PRIOR TO STARTING WORK. 3)
- CONSTRUCTION STAKING DONE BY A.R. SANGUINETTI & ASSOCIATES, INC. REQUIRES THE CONTRACTOR TO NOTIFY A.R. SANGUINETTI & ASSOCIATES 48 72 HOURS IN ADVANCE OF
- THE ENGINEER, A.R. SANGUINETTI & ASSOCIATES, ASSUMES NO RESPONSIBILITY FOR THE SUPERVISION OF CONSTRUCTION OR PROPER EXECUTION OF THE WORK SHOWN ON THESE DRAWNINGS, SAFETY METHODS AND TECHNIQUES ARE THE SILE RESPONSIBILITY OF THE CONTRACTOR. 6)

PROJECT NOTE

THIS PROJECT CONSTRUCTION AREA IS APPROXIMATELY 0.92± ACRES.

HAZARDOUS MATERIALS NOTES

- IF, DURING THE COURSE OF WORK UNDER THIS CONTRACT, THE CONTRACTOR ENCOUNTERS ANY SURFACE OR SUBSURFACE MATERIALS THAT THE CONTRACTOR BELEVES ARE HAZARDOUS (AS DEFINED IN SECTION 25172 OF THE HEALTH AND SAFETY CODE). THE CONTRACTOR MUST INFORM THE OWNER OR THE OWNER'S REPRESENTATIVE IN WRITING IMMEDIATELY.
- UPON DISCOVERY, THE MATERIAL IS TO REMAIN UNDISTURBED UNTIL INVESTIGATION BY THE OWNER.
- THE REMOVAL AND/OR DISPOSAL OF HAZARDOUS MATERIALS, IF DISCOVERED, IS NOT INITIALLY PART OF THE SCOPE OF MORK OF THIS CONTRACT UNLESS SPECIFICALLY CALLED OUT IN THE CONTRACT DOCUMENTS. AT THE DISCRETION OF THE OWNER, SUCH WORK MAY MAY BE ADDED TO THE CONTRACT BY ANTITUL AGREEMENT PURSUANT TO THE CONTRACT PROVISIONS FOR CHANGES.
- ANY AND ALL REMOVAL OF HAZARDOUS MATERIAL SHALL BE PERFORMED BY A LICENSED CONTRACTOR WHO CAN LEGALLY REMOVE, HAUL, DISPOSE OF, ETC. HAZARDOUS MATERIALS AND OBTAIN ANY NECESSARY PERMITS FROM THE APPROPRIATE AGENCIES.

GENERAL NOTES:

- ALL IMPROVEMENTS SHALL BE CONSTRUCTED IN STRICT ACCORDANCE WITH THE FOLLOWING: THE LATEST CALIFORNIA BUILDING CODE (CBC 2016), THE SAN JOAQUIN COUNTY IMPROVEMENT STANDARDS SATED NOVEMBER 2014, AND ALL AMENDMENTS THERETO TO DATE, CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS AND STANDARD PLANS (CALTRANS) LATEST EDITION, WHERE APPLICABLE, WHERE THERE IS A CONFLICT BETWEEN THE PLANS AND THE SAN JOAQUIN COUNTY IMPROVEMENT STANDARDS AND LOCAL BUILDING CODES THE SAN JOAQUIN COUNTY IMPROVEMENT STANDARDS AND LOCAL BUILDING CODES SHALL PREVAIL.
- IT IS INTENDED THAT THESE PLANS, NOTES AND SPECIFICATIONS REQUIRE ALL LABOR AND MATERIALS NECESSARY AND PROPER FOR THE WORK CONTEMPLATED HEREIN AND THAT THE WORK BE COMPLETED IN ACCORDANCE WITH THEIR TRUE INTENT AND PURPOSE. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY REGARDING ANY DISCREPANCIES OR AMBIGUITIES WHICH MAY EXIST IN THE PLANS OR SPECIFICATIONS. THE ENGINEER'S INTERPRETATION OF CORRECTION THEREOF SHALL BE CONCLUSIVE.
- WHERE THE PLANS OR SPECIFICATIONS DESCRIBE PORTIONS OF THE WORK IN GENERAL TERMS BUT NOT IN COMPLETE DETAIL, IT IS UNDERSTOOD THAT ONLY THE BEST GENERAL PRACTICE IS TO PREVAIL AND THAT ONLY MATERIALS AND WORKMANSHIP OF THE FIRST QUALITY ARE TO BE USED.
- THE CONTRACTOR AND/OR OWNER SHALL BE RESPONSIBLE FOR ALL PERMITS AND LICENSES REQUIRED FOR THE CONSTRUCTION AND COMPLETION OF THE PROJECT.
- THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY FIELD CHANGES MADE WITHOUT WRITTEN AUTHORIZATION FROM THE ENGINEER FOR ONSITE WORK AND FROM THE ENGINEER & SAN JOAQUIN COUNTY FOR WORK WITHIN THE PUBLIC RICHT—OF—WAY, ANY AND ALL CHANGES MADE SHALL COMPLY WITH THE MOST RECENT APPLICABLE CODES AND LOCAL REQUIREMENTS.
- THE CONTRACTOR SHALL PROVIDE ALL LIGHTS, BARRICADES, SIGNS, FLAGMEN OR OTHER DEVICES NECESSARY FOR PUBLIC SAFETY. ALL CONSTRUCTION TRAFFIG SIGNS, DEVICES AND MARKINGS SHALL BE PER CA MUTCD (LATEST EDITION).
- THE CONTRACTOR SHALL CHECK WITH THE OWNER AND UTILITY COMPANIES AND VERIFY ALL UTILITY LOCATIONS. IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO PROTECT ALL EXISTING UTILITIES SO THAT NO DAMAGE RESULTS TO THEM DURING THE PERFORMANCE OF THE CONTRACT. THE CONTRACTOR SHALL BE REQUIRED TO COOPERATE WITH OTHER CONTRACTORS, WHEN OTHERS ARE WORKING IN THE SAME AREA.
- PRIOR TO COMMENCING ANY WORK, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO HAVE EACH UTILITY COMPANY LOCATE IN THE FIELD THEIR MAIN AND SERVICE LINES. THE CONTRACTOR SHALL NOTIFY MEMBERS OF THE UNDERGROUND SERVICE ALERT (U.S.A.) & HOURS IN ADVANCE OF PERFORMING EXCAVATION WORK BY CALLING THE TOLL—FREE NUMBER (800) 227—2600.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXISTING IMPROVEMENTS FROM DAMAGE. THE COST OF REPLACING EXISTING IMPROVEMENTS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEMS REQUIRING REMOVAL AND REPLACEMENT OF EXISTING IMPROVEMENTS.
- WHENEVER PAVEMENT OR CONCRETE IS BROKEN OR CUT IN THE INSTALLATION OF THE WORK COVERED BY THESE PLANS AND SPECIFICATIONS, THE PAVEMENT OR CONCRETE SHALL BE REPLACED, AFTER PROPER BACKFILLING, WITH PAVEMENT OR CONCRETE MATERIALS EQUAL TO RESTER THAN THE REMOVED MATERIALS. LIVES NOTED OTHERMISE THE FINISHED PAVEMENT OR CONCRETE SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER & THE OWNER FOR ONSITE WORK AND FROM THE ENGINEER & SAN JOAQUIN COUNTY FOR WORK WITHIN THE PUBLIC RIGHT-OF-WAY.
- 11) PAYMENT FOR PAVEMENT OR CONCRETE WILL BE MADE ONLY FOR AREAS SHOWN ON THE PLANS. REPLACEMENT OF PAVEMENT OR CONCRETE WHICH IS BROKEN OR CUT IN THE INSTALLATION OF THE WORK COVERED BY THESE PLANS AND SPICIFICATIONS, AND WHICH LIES OUTSIDE OF SAID AREAS, SHALL BE INCLUDED IN THE CONTRACTOR'S UNIT PRICES, AND NO ADDITIONAL PAYMENT SHALL BE MADE FOR SUCH WORK.
- THE CONTRACTOR AGREES THAT THEY SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLIDING SAFETY OF ALL PERSONS AND ALL PROPERTY. THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIEY AND HOLD THE OWNER AND ENJINEER HARMLESS FROM ANY AND ALL LABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR THE LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.
- EXCAVATIONS OF 5 FEET OR MORE IN DEPTH WILL REQUIRE AN EXCAVATION PERMIT FROM THE STATE OF CALIFORNIA DEPARTMENT OF INDUSTRIAL SAFETY, FOR TRENCHES, 5 FEET OR MORE IN DEPTH, THE CONTRACTOR SHALL COMPLY WITH SECTION 5-1,024 OF THE CALIFORNIA LABOR CODE, AND ANY LOCAL CODES OR ORDINANCES.
- THE CONTRACTOR'S ATTENTION IS DIRECTED TO: SECTION 1540 (a) (1) OF THE CONSTRUCTION SAFETY ORDERS (TITLE 8 CALIFORNIA ADMINISTRATION CODE SECTION 1540), ISSUED BY THE NATIONAL SAFETY AND HEALTH STANDARDS BOARD FURSUANT TO THE CALIFORNIA OCCUPATIONS SAFETY AND HEALTH ACT OF 1973 AS AMENDED WHICH STATES:

(1) PRIOR TO OPENING AN EXCAVATION, EFFORT SHALL BE MADE TO DETERMINE WHETHER UNDERGROUND INSTALLATIONS, I.E. SEWER, WATER, FUEL, ELECTRIC LINES, ETC. WILL BE ENCOLUTERED AND IF SD, WHERE SUCH UNDERGROUND INSTALLATION ARE LOCATED. WHEN THE EXCAVATION APPROACHES THE APPROXIMATE LOCATION OF SUCH AN INSTALLATION, THE EXACT LOCATION SHALL BE DETERMINED BY CAREFUL PROBING OR HAND DIGGONIG, AND, WHEN IT IS UNCOVERED, ADEQUATE PROTECTION SHALL BE PROVIDED FOR THE EXISTING INSTALLATION, ALL KNOWN OWNERS OF UNDERGROUND FACILITIES IN THE AREA CONCERNED SHALL BE ADVISED OF PROPOSED WORK AT LEAST 48 HOURS PRIOR TO THE START OF ACTUAL EXCAVATION.

- 15) NO PRODUCTS CONTAINING ASBESTOS WILL BE PERMITTED ON THE JOB.
- 16) ALL EXISTING GROUND ELEVATIONS ARE BASED ON THE TOPOGRAPHIC SURVEY NOTES DATED MAY 2017.
- DRAWING NUMBERS SHOWN ON THESE PLANS REFER TO DRAWINGS CONTAINED IN THE SAN JOAQUIN COUNTY IMPROVEMENT STANDARDS SHOWN THUS: DWG. NO. UNLESS STATED OTHERWISE.

COUNTY OF SAN JOAQUIN

DEPARTMENT OF PUBLIC WORKS

-800-227-2600 -

ENCROACHMENT PERMIT PLAN SET APPROVAL

THIS SET OF IMPROVEMENT PLANS CONTAINS BOTH PUBLIC AND PRIVATE IMPROVEMENTS. COUNTY ACCEPTANCE OF THE DESIGN AND IMPROVEMENTS IS LIMITED TO WORK PERFORMED WITHIN THE COUNTY RIGHTS—FINAY ONLY. REFER TO ENCONCHMENT PERMIT SPECIAL.

-11/5/18 DATE EXP. DATE: 12/31/18 55407

ENCROACHMENT PERMIT NO.: PS-1702619 DATE ISSUED: 115/18 BY: /RH





ASSOCIATES ENGINEERS E., STE. 10 શ્ર

SANGUINETTI & NNSULTING CIVIL STOCKTON, CALIF A.R. S.A. CONSULTIR





LODI UNIFIED SCHOOL DISTRICT PROPOSED TRAFFIC CIRCULATION LOCKEFORD ELEMENTARY SCHOOL

SHEET

CONCRETE NOTES:

- A THESE CONCRETE NOTES ARE INTENDED TO SUPPLEMENT THE GENERAL NOTES PERTANNING TO THESE IMPRODEMENTS PLANS. THE EXPERIENCES, AS THESE, AS OTHER MOTES INCLUDED ON THESE FLANS, SHALL ARRY TO CONCRETE IMPROVEMENTS AS MED.
- B. DEINLS AND DIMENSIONS OF EXISTING CONSTRUCTION SHALL BE VEHIFIED AT THE SITE BY THE CONTRACTOR AND ANY DISCREPANCY BETWEEN PLANS AND EXISTING CONDITIONS SHALL BE PROMPTLY REPORTED TO THE EMBINEER.
- C WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS
- D. THE CONTRACTOR SHALL PROVIDE ALL MEASURES INCCESSARY TO PROTECT THE CONCRETE DURING CONSTRUCTION, SUCH MEASURES INCLUDE, BUT ARE NOT LIMITED, TO BRACING AND SHORING, FORM WORK, REINFORCEMENT PROTECTION, CONCRETE CURING, ETC., DURING CONSTRUCTION.
- E. THE TERM "COMPACTED SOIL" SHALL REFER TO PERCENT (X) RELATIVE COMPACTION PER ASTM D1557.
- F. ALL CONCRETE SURFACES SHALL BE SUP RESISTANT.
- C. ACCRECATE BASE SHALL BE CLASS 2, 3/4" MAXIMUM MEETING THE MOST CURRENT CALTRANS STANDARD.
- H. HORIZONTAL ALIGNMENT SHALL HAVE A MAXIMUM TOLERANCE OF 0.10 FT. VERTICAL ALIGNMENT SHALL HAVE A MAXIMUM TOLERANCE OF 0.02 FT.
- I. ADDITIONAL CONCRETE CURB, GUTTER AND SIDENALK CONSTRUCTION NOTES, PER SAN JOAQUIN COUNTY IMPROVEMENT STANDARDS.
- REFERENCE IS MADE TO THE LOCAL AGENCIES STANDARD SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS RELATING TO THE CONSTRUCTION OF CONCRETE CURB, GUTTER AND SIDEMALK.
- 2. EXPANSION JOINTS AND MEANENED PLANE JOINT SHALL BE PLACED AS INDICATED ELSEWHERE IN THE CONSTRUCTION STANDARDS. EXPANSION JOINT SPACING SHALL NOT EXCEED BO'.
- J. CURB, CUTTER AND SIDEMALK SHALL HAVE A LIGHT BROOM FINISH, CURB AND GUTTER; PARALLEL TO THE FLOW LINE, SIDEMALKS; PERPENDICULAR TO THE FLOW LINE.
- 4. DURING CONSTRUCTION OF GUTTERS, WATER SHALL BE USED TO ENSURE PROPER DRAINAGE ALONG THE FLOW LINE.
- 5. ACCESS CURB RAMPS, SIDEWALKS AND IMPROVEMENTS IN THE ADA PATH OF TRAVEL SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE FEDERAL AMERICANS WITH DISABILITIES ACT, CALIFORNIA TITLE 24, AND THE SAN JANQUIN COUNTY IMPROVEMENT STANDARDS.

- A CONCRETE SHALL BE A MINIMUM OF 6" THICK, TYPE II MODIFIED PORTLAND CEMENT (6 SACK MM, PER CUBIC WARD) AND SHALL CONFORM TO CALIFOXIS SPECIFICATIONS 30-1, SHALL ATKINN A 28 DAY COMPRESSION EMBRIAND STRENGTH OF 2,500 PS. (MOTE: FO UNDER RECUESTS ONSITE FLAT CONCRETE BUT MAY ALSO INCLUDE A POLYPROPILINE TIBER RESPONDEMENT MEZITICA ACI SPECIFICATIONS), ALL OFFSIE CONGRETE BURST (PUBLIC MEPROVIDIONIS) SHALL BE PER SAM JOAQUIN COUNTY IMPROVEMENT STANDARDS.
- THE CONTRACTOR SHALL SUBMIT A MIX DESIGN TO THE GEOTECHNICAL ENGINEER & ENGINEER FOR REVIEW AND APPROVAL PRIOR PLACEMENT OF ANY ONSITE CONCRETE.
- CONCRETE CONSTRUCTION SHALL BE IN ACCORDANCE WITH SECTION 73-3 OF THE CALTRANS STANDARD SPECIFICATIONS AND SAN JOAQUIN COUNTY IMPROVEMENT STANDARDS UNLESS SPECIFIED OTHERWISE NOTED.
- CONCRETE SLUMP SHALL NOT EXCED 4 INCHES. THE OWNER OR CONTRACTOR SHALL ARRANGE FOR A CEDITCHNISIAL ENGINEER TO PROVIDE CONCRETE TESTING AND INSPECTION DURING PLACEMENT, PREDURNCY OF TESTING SHOULD BE DETERMINED BY THE GEDIECHMOLL ENGINEER, CURING SHALL BE PER SECTION 90-1.03B(3) OF THE CALTRANS STANDARD SPECIFICATIONS OR WATER CURED PER 90-1.03D(2).
- B. REINFORCEMENTS, PIPE SLEEVES, AND OTHER INSERTS SHALL BE POSITIVELY SECURED IN PLACE PRIOR TO PLACING CONCRETE.
- REINFORCING STEEL SHALL CONFORM TO ASTM 615, GRADE 40. ALL SPLICES SHALL BE MADE IN ACCORDANCE WITH ACI STANDARDS.
- O. CONCRETE PROTECTION FOR REINFORCEMENTS (TO FACE OF BARS) IS AS FOLLOWS:

 3º WHERE CONCRETE IS EPICED ACAINST DARTH

 2º WHERE CONCRETE IS EPICED TO DARTH OR WEATHER, BUT PLACED IN FORMS

- A. CONTRACTION (CONTROL) JOINTS (C)) & EXPANSION (CONSTRUCTION) JOINTS (J) SHALL BE DETERMINED BASED UPON CONTRACTOR'S METHOD OF CONSTRUCTION, MONOLITHIC VERSUS PARTIES, FORM LAYOUT, ETC. HOWEVER IN ALL CASES C. AND J SHALL BE IN ACCORDANCE MITH ALL SPENDABLE ACT SHADDARDS (IE; ACT 224.3R-19) AND APPLICABLE PORTLAND CEMENT
- B. VEHICLE TRAVEL AVEAS: CONTRACTION JOINTS (CL) SHALL BE EVERY 15 FEET WITH APPROPRIATELY SPACED EXPANSION JOINTS (J) BEING COOPENIATED WITH AREA LAYDUT'S TO PROVIDE FOR A COHESINE PATTERN THAT FLOWS WITH THE INTENT OF THE FACILITY AND MAINTAINS THE INTENT TO CONTROL SHRIMAGE CHICKING, EXPANSION, HEARING, ETC.
- C. NON-MEHICLE TRANEL AREAS: CONTRACTION JOINTS (CJ) SHALL BE EVERY 15 FEET WITH APPROPRIATELY SPACED EMPANSION JOINTS (J) BEING COORDINATED WITH THE OWNER AND ENGINEER, BUT MEETING AC STANDARDS AND PAC AUDIEURDS. SCORE OF PAITTERN TO BE DETERMINED WITH OWNER, ENGINEER AND CONTRACTOR.
- D. EXPANSION JOINTS (J) SHALL HAVE 5/8" DIA. X 24" LONG STEEL DOWELS (SMOOTH FACED) SHACED AT EVERY JO" OR JUIN, OF 3 EQUALLY SPACED FOR MARROW PATHMAYS, GREASED AND WRAPPED ON ONE SIDE, OFFSET 5" FROM EDGES.
- E. ALL EXPANSION JOINTS (J) SHALL INCLUDE PREFORMED FIBER EXPANSION JOINT FILLER CONFORMING TO ASTM ID—1751 WITH 3/8" VOID CAP.
- F. CONTRACTOR SHALL REMOVE VOID CAP TOP SECTION IN ACCORDANCE WITH INDUSTRY STANDARDS AND FILL VOID LEVEL WITH SEALANT, PER MANUFACTURERS SPECIFICATIONS.
- G. SEALANT SHALL BE SIKAFLEX-2CSL OR APPROVED EQUAL COLOR SHALL MATCH CONCRETE AS CLOSE AS POSSIBLE, SEALANT APPLICATION SHALL BE NEAT & CLEAN ALONG EDGES AND LEVEL WITH CONCRETE SURFACE.

GRADING & EXCAVATION NOTES:

1. GENERAL NOTES

- A ALL CHSTE EARTHMORK OPERATIONS SHALL BE PERFORMED IN ACCORDANCE WITH THE COTTECHNICAL REPORT & CHAFTER 184 OF THE 2016 CALIDERNA BUILDING CODE, ALL OFFSITE FRUE OF AMPROVEMENT EARTHMORK SHALL BE PERFORMED IN ACCORDANCE WITH SAN JANUAUM COLORTY MARROYMENT STANDARDS & CHAPTER 184 OF THE 2016 CALIDERNA BUILDING CODE, WHILE SHEREIDE OTHERWISE BY THE HEIGHER, ALL AREAS OF CHASTRACTION (PUBLIC MAPPOCEMENT & PRIVATE) SHALL BE TESTED AS REQUIRED BY SAN JANUAUM COUNTY, OWNER & EKONDER AND SHALL BE PAID FOR BY THE OWNER ALL COST OF RETESTING SHALL BE BONNE BY THE CONTRACTOR.
- 8. THE CONTRACTOR SHALL REVIEW THE JOS SITE PRIOR TO BIDDING, ALL VEGETATION AND DELETRIBUS MATERIALS SHALL BE REMOVED FROM THE STATE AT THE EXPENSE OF THE CONTRACTOR AND SHALL BE MICLIFIED IN THE LUMP SUM CLEANING AND GRUDBING COSTS.
- C. A PERMIT SHALL BE OBTAINED FROM SAN JOAQUIN COUNTY FOR CONSTRUCTION WATER FROM A FIRE HYDRANT, THE PERMIT SHALL BE APPROVED BY THE MORELUMME RUPAL FIRE DISTRICT. THE CONTRACTOR SHALL INCLUDE THIS PERMIT AT NO ADDITIONAL COST.
- D. APPROPRIATE DUST CONTROL SHALL BE PROVIDED AT THE CONTRACTOR'S EXPENSE AND INCLUDED IN THE BIO COST. DUST CONTROL SHALL BE IN ACCORDANCE WITH SECTION 10 OF CALTRANS STANDARD SPECIFICATION AND SAN JOAQUIN COUNTY REQUIREMENTS.
- E. THE PROPERTY OWNERS, DEVELOPERS, CONTRACTORS, AND/OR SUCCESSORS IN INTEREST SHALL COMPLY WITH THE PROVISIONS OF THE CAUPOINA CENERAL CONSTRUCTION ACTIVITY STORMWATER PERIAL AND STATE WATER RESTURCES CONTRAL BEAUTO, COMPLANCE IS MANDATORY PER MULTI-ACCINCT POST-CONSTRUCTION STORMWATER STANDARDS.
- F. THE CONTRACTOR IS RESPONSIBLE TO IMPLEMENT CONSTRUCTION SITE BEST MANAGEMENT FOR SEDIMENT CONTROL, WIND ERCSION CONTROL, SOLDS STABILIZATION, THACKING CONTROL AND MISSISSAFEMENTS MAKING PROPERTY STORM MATER OLULITY MANABOOK.
- G. PURSUANT TO THE MULTI-ACENCY POST CONSTRUCTION STORMWATER STANDARDS ANY PROJECT AREA GREATER THAN 1.0 ACRE INCLUDING PROJECT STAGING AREAS IS REQUIRED TO FILE A NOTICE OF INTENT (MOL) WITH THE STATE REGIONAL WATER OUALITY CONTROL BOARD AND IS REQUIRED TO PREMARE AND MAINTAIN A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) ONSITE AT ALL TIMES.
- H. GRADING OF THE LANDSCAPE AREAS IS PART OF THE SCOPE OF WORK (CONTRACT). THE CONTRACTOR SHALL COORDINATE ALL GRADING CHITTY WITH THE LANDSCAPE ARCHITCOT, LANDSCAPE CONTRACTOR AND ENGINEER. THE JOU SCOPE NELLUES ROUGH OFFIDING LANDSCAPE AREAS, FRUSH SUBGRADE INCLUDING COORDINATION OF THIS SUBGRADE. OF THALL FOR A THE STREET WELL SET AND A CONTRACTOR OF THIS SUBGRADE ARCHITCH SET ARCHITCH ARCHITCH FOR STREET ARCHITCH ARCHITCH SET CONTRACTOR OF THE LINEARISM CONTRACTOR OF SHALLE ARCHITCH FROM CONTRACTOR FOR LINEARISM COUNTRACTOR OF LINEARISM CHANGE.
- I. DRIVAGE SIALL BE GRADED AND MAINTAINED TO PROVIDE PROPER DRAINAGE WITHOUT CAUSING SOIL ERESION OR DRAINAGE ONTO THE ALAICENT PROPERTY UNLESS SHOWN OTHERWISE. ALL GRADING SHALL BE PER THE PLAN. AND PENATION FROM THE DESING SHALL BE REQUESTED IN WRITING TO THE ENGINEER AND APPROVED IN WRITING BY THE ENGINEER.
- J. THE "MAXIMUM CUT & FILL SLOPES SHALL BE 2:1 PER THE CALIFORMA BUILDING CODE", GREATER SLOPES CAN BE IMPLEMENTED WHEN RECOMMENDED AND APPROVED BY THE GEOTECHNICAL ENGINEER AND APPROVED BY SAN JOAQUIN COUNTY.
- K. ALL EXISTING WELLS AND SEPTIC TANKS SHALL BE REMOVED AND/OR ABANDONED PER THE REQUIREMENTS OF SAN JOAQUIN COUNTY PUBLIC HEALTH SERVICES. THIS WORK SHALL BE INCLUDED IN THE LUMP SUM CLEARING COSTS.

2. SUBGRADE PREPARATION

- A COMPACTION OR "RELATIVE COMPACTION" SHALL REFER TO IN-PLACE DRY DENSITY OF SOIL EXPRESSED AS PERCENTINGE OF THE MAXIMUM DRY DENSITY OF THE SAME WATERAL AS DETERMINED BY ASTM 01557 TEST METHOD.
- B. ONCE THE SITE IS STRIPPED AND ALL DELETTRIOUS MATERIAL HAS BLEN REMOVED. THE AREAS BEING PREPARED FOR EXTERIOR FLATHOM, RETAINING MALLS, AND PAREMENTS. SHALL OF SCARRIED TO A MOST PERFORMENT OF THE STRIPPED CONTINUED TO A MOST PERFORMENT OF THE STRIPPED CONTINUED TO A MOST CONTINUE CONTINUED TO A RELATIVE DENSITY OF YOU MISSES OFFICIALS APPROVED BY THE GESTICATIONAL DEPORTED TO A RELATIVE DENSITY OF YOU MISSES OFFICIALS APPROVED BY THE GESTICATIONAL DEPORTED.
- C. PRIOR TO PLACEMENT OF CONCRETE, THE SUBGRADE MOISTURE CONTENT IS REQUIRED TO BE MAINTAINED AS DIRECTED BY THE CECTECHNICAL REPORT.
- D. IN ADDITION TO ALL OF THE OTHER REQUIRED PERMITS, THE CONTRACTOR SHALL HAVE A GRADING AND EROSION CONTROL PERMIT.
- E. ENCINEERED FILL SHALL BE PLACED IN LOOSE LAYER LIFTS NOT EXCEEDING 6-8 INCHES AND MCCHANICALLY COMPACTED TO A MINIMON RELATIVE DENSITY OF 90% AND/OR AS DIRECTED BY THE GEOTECHNICAL REPORT/ENCINEER.
- F. AGGREGATE BASE UNDER THE VEHICULAR FLATWORK AREAS, WALKHAY FLATWORK SHALL BE NEW J/K* CLASS 2 AGGREGATE BASE MEETING CALTRANS STANDARD SPECIFICATIONS AND COMPACTED TO A MINIMUM 95% RELATIVE COMPACTION.

- A. EXCAVATION FOR ALL TRENCHES/STRUCTURES/PIPES SHALL BE MADE TO THE GRADES SHOWN ON THE PLANS, SAFE AND SUTTABLE ACCESS SHALL BE PROVIDED IN ACCORDANCE WITH CAL-OSHA AND OTHER APPLICABLE REGULATIONS.
- B. BEDDING FOR PIPE SHALL BE PER MANUFACTURES SPECIFICATIONS OR GEOTECHNICAL ENGINEER RECOMMENDATIONS UNLESS SHOWN OTHERWISE ON THESE PLANS.
- C. TRENCH EXCAVATION SHALL INCLUDE REMOVAL OF ANY MATERIALS OF ANY NATURE AND WATER WHICH INTERFERES WITH THE CONSTRUCTION WORK.
- D. TRENCH WIOTH SHALL BE PER THE TRENCH SECTION IN SAN JOAQUIN COUNTY IMPROVEMENT STANDARDS IN THE EVENT THAT UNSUITABLE MITERIALS OR UNSTABLE TRENCH WALLS ARE ENCOUNTERED, THE TRENCH WIOTH SHALL BE MODIFIED IN ACCORDANCE WITH THE APPLICABLE ASTA STANDARD OR AS DIRECTED BY THE ENGINEER.
- E. THE CONTRACTOR SHALL FURNISH AND INSTALL SUFFICIENT SHORING, SHEETINGS AND BRACING TO INSURE THE SAFETY OF WORK PERSONEL AND THE PUBLIC, TO PROTECT THE WORK AND PROTECT THE EXISTING FACILITIES.
- 1. SHORING, SHEETING AND BRACING SHALL COMPLY WITH THE RULES, ORDERS AND REGULATIONS
- 2, THE CONTRACTOR SHALL PROVIDE A COPY OF ITS CURRENT ANNUAL EXCAVATION PERMIT ISSUED BY CAL-OSHA TO THE OWNER.
- IF SPECIAL BRACING, SHORING OR SHEETING IS REQUIRED FOR SPECIFIC PARTS OF THE PROJECT, THE CONTROLCION SHALL SUBMIT TO THE OWNER AND ENGINEER SHPPORTING CALCULATIONS BY A CALFORNIA REGISTERED CIVIL OF STRUCTURAL SCHORLER PRIOR TO BECAMING THE EXCURITION FOR THE SPECIALLY DESIGNED BRACING, SHORING OR SHEETING.
- F. THE BOTTOM OF THE EXCAVATION SHALL BE FIRM AND DRY. IN THE EVENT OF AN UNSTABLE BOTTOM, THE GEODECHMENCAL ENGINEER SHALL BE CONSULTED AND A RATTEN RECOMMENDATION SHALL BE REQUIRED AND APPROVED PRICE TO ANY FALCEMENT OF EDIDING OF PIPE/CLIVERY
- G. THE MAXIMUM LENGTH OF OPEN TRENCH WHERE PIPE IS TO BE LAID SHALL BE THE DISTANCE MECESSARY TO ACCOMMODATE THE ANOTHT OF PIPE WHICH CAN BE RESTALLED THAT SAME DISTANCE IF ANY THEORY SECTION IS LEFT OPEN BECAUSE OF UNIFORESEED CONCOMISTANCES IS SHALL BE CORPORED OFF WITH APPROPRIATE SAFETY FENCING AND SIGNING TO ENSURE THAT THE AREA IS
- H. IN LIEU OF MECHANICAL BACKFILL THE CONTRACTOR MAY USE SLURRY CEMENT BACKFILL (SCB). SCB BACKFILL SHALL MEET THE REQUIREMENTS AS DEFINED IN SECTION 19—3.03F OF THE CALTRANS 2018 STANDARD SPECIFICATIONS.
- I. WATER JETTING MAY BE CONSIDERED WITH WRITTEN APPROVAL OF THE GEOTECHNICAL ENGINEER.

STREET NOTES:

- 1. <u>SUBGRADE PREPARATION</u>: THE SUBGRADE SIMUL BE COMPACTED TO MINETY-FIVE PERCENT (95%) RELATIVE COMPACTION TO A DEPTH OF 6" OR AS DIRECTED BY THE GEOTECHARCAL ENGINEER'S
- 2. <u>ACCRECATE SUB-BASE</u>: THE ACCRECATE SUB-BASE SHALL BE CLASS 4 AND SHALL CONFORM TO THE PROVISIONS OF SECTION 25 OF THE CAL TRANS STANDARD SPECIFICATIONS AND PLANS, CLASS 4 ACCRECATE SUB-BASE MATERIAL SHALL BE CLEAN AND PRIEF FROM VEGETATIVE MATTER AND OTHER DELTERIOUS SUBSTANCES. THE PERCENT OF COMPOSITION BY WEIGHT OF CLASS 4 ACCRECATE WHEN DETERMINED BY TEST NO. CALFORNIA 202.

<u>SIEVE SIZES</u> 2 1/2 NO. 200

PERCENTAGE PASSING 2-.15%

CLASS 4 AGGREGATE SUB-BASE MATERIAL SHALL ALSO CONFORM TO THE QUALITY REQUIREMENTS SHOWN IN THE FOLLOWING TABLE:

<u>reouirements</u> 20 Min. 55 Min.



- I <u>AGGREGATE BASE</u>: THE AGGREGATE BASE SHALL BE CLASS 2 WITH A MAXIMUM AGGREGATE SIZE OF J/4" AND SHALL COMPORM TO THE PROVISIONS OF SECTION 26 OF THE CAL TRANS STANDARD SPECIFICATIONS AND PLANS.
- 4. <u>ASPHALT CONCRETE</u>: SHALL BE PER CAL-TRANS SECTION 39 AND CONFORM TO SAN JOAQUIN COUNTY IMPROVEMENTS STANDARDS AT THE TIME OF CONSTRUCTION.
- THE FOLLOWING IS ADDED TO SECTION 39 OF THE CAL-TRANS STANDARD SPECIFICATIONS.

SECTION 39-1.41 FULL DEPTH ASPHALT CONCRETE

- A. WHERE A FULL DEPTH SECTION IS SPECIFIED, IT SHALL BE PLACED ON A PREVIOUSLY PREPARED SUBGRADE AS SPECIFIED IN 19-3.038 (RELATIVE COMPACTION) TO A TOLERANCE OF 0.05 FOOT ABOVE OR BELOW THE SUBGRADE ESTABLISHED BY THE ENGINEER.
- 8. IN PLACEMENT AND COMPACTION SHALL CONFORM TO SECTION 39—3 "METHOD CONSTRUCTION PROCESS" OF CULTRANS SPECIFICATIONS. THE FINAL GRADE OF THE LIFT BELOW THE SURFACING COURSE SHALL NOT WARP MORE THAN 0.05 FOOT ABOVE OR BELOW THE PLANNED GRADE FOR THAT COURSE.
- C. THE THICKNESS OF THE SURTACE COURSE SHALL BE AS SPECIFIED IN THE PROJECT SPECIAL PROVISIONS, ALL OTHER ASPHALT CONCRETE BELOW THIS POINT IS CONSIDERED BASE COURSE.
- D. TACK COAT (PAINT BINDER) SHALL BE SS-16 OR CSS-16 THE EMULSION CONFORMING OLITRING SPECIFICATIONS SECTION 94 OF THE STANDARD SPECIFICATIONS TACKING BETHEN BEST COURSES REQUIRED AT THE TATE OF 0.02 TO 0.10 CALLONS PER SOURCE YARD OF THE SHARDED COVERED, THE EXACT PAIR WILL BE OFFERMINED BY THE REMOVER APPLICATION IN DICCESS OF 0.02 CALLON POR SOURCE WARD WILL BE AT
- E. WHERE FULL DEPTH SECTIONS ARE PLACED IN EXISTING STREETS WITH ESTABLISHED GUTTER SECTIONS. A CONTINUOUS WEIGE SHAPE SECTION OF ASPHALT PAYING SHALL DE PLACED HOMIST THE CUTTER FORE HELD BETOW THE GUTTER UP IT HE MADONT OF THE THICKNESS OF THE SURFACE COURSE AND FRATHERED TO SUBGRADE IN A WIDTH OF NOT LESS THAN THREE FLET BEFORE PLACEMENT OF THE LEVEL COURSES, UNLESS OTHERHISE PERMITTED BY THE EDGREET.
- F. UPON COMPLETION OF ALL PORTIONS OF THE CONSTRUCTION, INCLUDING LITLITY GRADE ADJUSTMENTS TO FINISH GRADE, THE SURFACE COURSE SHALL BE PLACED, GUTTER UP TO GUTTER UP, FOR THE ENTIRE LENGTH OF THE PROJECT TO PROVIDE A SMOOTH UNIFFOR MEDING SURFACE WITH A MINIMUM OF TRANSVERSE JOINTS FOR THE ENTIRE PROJECT.
- G. PAVING SHALL FEATHER SMOOTHLY INTO EXISTING PAVEMENT, SIDE STREET CONSTRUCTION SHALL HAVE A SECTION NARYING FROM A UNIFORM CROSS-SLOPE AT ENDS OF CURB RETURN TO WARRIEL OF PARABOLIC SECTION AS ROUTHED TO MATOT THE EXISTING STREET SECTION, TRANSITION SHALL BE SMOOTH AND UNIFORM BETWEEN THE POINTS

SECTION 39-1.42 MATERIAL

- A. HOT MIX ASPIALT (HAM) SHALL CONFORM TO THE PROVISIONS OF SECTION 39 OF THE CALTRANS STANDARD SPECIFICATION, HAM SHALL BE TYPE A. UNLESS OTHERWISE SPECIFIED, ASPIALT CONCRETE SHALL BE TYPE A. ASPIALT BRIDER SHALL BE PG 64-10 AND MUST COMPLY WITH SECTION 39-2.018(3) & 92 OF CALTRANS STANDARD SPECIFICATIONS.
- B. FOR SURFACE COURSE AND BASE COURSE PAYING ON LOW OR MEDIUM LOCAL STREETS, ASPHALT CONCRETE SHALL BE TYPE B, 1/2" NOMINAL MAXIMUM AGGREGATE SIZE.
- C. UNLESS OTHERWISE SPECIFIED OR APPROVED BY THE ENGINEER, HIMA FOR BASE AND SURFACE COURSE PAYING FOR ALL OTHER STREETS SHALL BE TYPE A, 3/4" MAXIMUM, MEDIUM AGGREGATE.
- B. FOR MON-COUNTY PROJECTS, THE PRECISE ASPIALT BINDER CONTENT STALL BE IN ACCORDANCE WITH A MIX DESIGN PRE-APPROVED BY THE COUNTY ENGINEER WITHIN THELVE MONTHS OF PLACEMENT OF THE ASPIALT CONCRETE, THE ROUNTY PROJECTS, THE ASPIALT OIL CONTENT SHALL BE AS SPECIFIED IN THE PROJECT SPECIFICATION SPECIAL PROJECTS, AN IMAM MLY DESIGNS SHALL CONFORM TO CALIFAMS SPECIFICATIONS SECTION 19-2.018 "HOT MIX ASPIALT MIX DESIGN REQUIREMENTS" AND MUST BE SUBMITTED.

SECTION 39-1.43 SPREADING AND COMPACTION

- A. UNLESS SPECIFIED IN THE PROJECT SPECIAL PROVISIONS, SPREADING AND COMPACTION MUST BE IN ACCORDANCE TO SECTION 39—3" METHOD CONSTRUCTION PROCESS. THE MAXIMUM COMPACTED THICKNESS OF ANY ONE BASE COURSE OF ASPHUT CONCRETE SHALL BE THREE (3) MCHES, THE MAXIMUM COMPACTED THICKNESS OF THE SUPPRICE COURSE (1)2" AGDIECATE) OF ASPHUT CONCRETE SHALL BE TWO CONTROL OF THE MINIMUM THICKNESS SHALL BE ONE (1) INCH AFTER COMPACTION.
- B. A MECHANICAL PAVING MACHINE SHALL ONLY BE REDUIRED FOR SPREADING THE SURFACE COURSE AND ANY LEVELING COURSES REQUIRED.
- C. HAM BASE COURSES MAY BE SPREAD AND CAMPACTED BY SUCH MECHANICAL MEANS AS WILL PROVIDE A SURFACING OF UNIFORM SMOOTHNESS AND TEXTURE IN SUCH A MANNER AS TO PREVENT SEGREGATION OF MATERIALS, APPROVAL WILL BE BASED ON DEMONSTRATED PERFORMANCE OF SUCH EQUIPMENT.
- D. A PRIME COAT OF SC250 OR MC250 SHALL BE APPLIED TO ALL AGGREGATE BASES TO BE SUPERACED. THE PRIME COAT SHALL BE APPLIED AT AN RATE OF 0.2 GALLON PER SQUARE VARIO OVER THE ENTIRE ROUBBAY AREA TO BE SUPPRACED.
- ROLLING OF FULL DEPTH BASE COURSES SHALL BE FROM THE CENTER OF THE PAVING PASS TO THE EDGE.
- F. THE CONTRACTOR SHALL FURNISH A MINIMUM OF ONE (1) STEEL WHEEL TANDEM ROLLER WITH A GROSS STATE MEIGHT OF AT LEAST 7.5 TONS AND ONE (1) 15-TON PHEUMATIC TRED ROLLER AT THE BURGLER'S DISCRETION, A THRO STEEL 2 AXLE ROLLER OF A MINIMUM WEIGHT OF 7.5 TONS MAY BE REQUIRED.
- H. THE PRESSURE OF THE PHEMATIC TIRE ROLLER AT THE TIME OF BREAKDOWN ROLLING SYALL DE 80 PSI MANMAIM AND MAINTAINED SUCH THAT THE MIP PRESSURE DOES NOT WAST MORE THAN 5 PSI. IT IS SUGGESTED THAT THE PROBLAMET THE ROLLER THAY THEMSTY (20) MICH BAUS TO HELP PREVENT BOGGING DOWN, THE PHEMATIC TIRE ROLLER SHALL BE USED TO BREAM DOMN THE SPREAD OF ASPHALL CONCRETE BASES AND SHALL DEPENDENTED SHEMO THE PART OR SPREADER.

- I. ROLLER TIRES SHALL BE PREHEATED AND OPERATED HOT AND DRY OR HAVE PROPER SPRAY EQUIPMENT FOR USE OF ROLLER—EASE TO PREVENT PICK UP OF HOT MIK.
- J. ALL COURSES SHALL BE COMPACTED WITH A PNEUMATIC ROLLER. IN TRUCK ROUTES, EACH COURSE SHALL BE PNEUMATIC AND STEEL ROLLED, ROLLING SHALL CONTINUE LIMIT RUTS ARE ELBIMATED AND THE PROPER DEGREE OF COMPACTION IS ACHIEVED. FINAL ROLLING OF THE SURFACE COURSES SHALL BE ACCOMPLISHED WITH A STEEL WHEEL TANDEUR ROLLER, VIBRATOR TURNED OFF, AT THE MINIMUM TEMPERATURE SPECIFIED IN SECTION 39-3.04 OF CALTMANS STANDARD SPECIFICATIONS.
- K. THE SURFACE OF THE COMPLETED BASE COURSE AT ANY POINT SHALL NOT VARY MORE THAN 0.02 FEET ABOVE OR BELOW THE GRADE ESTABLISHED FOR SURFACE COURSE PLACEMENT.
- L. THE CONTRACTOR WILL BE RESPONSIBLE FOR CONSTRUCTION GRADES. THE ENGINEER WILL SET A BASE LINE AND FURNISH CUTS FOR CUTTER FLOWLINES AND PARKEMENT CENTERINE OR EDGE OF PAYEMENT GRADE. BUSE COURSE SURFACE PRIOR TO PRIVATE COURSES WHICH DOES NOT MEET THE ABOVE RECOMMENDEMENTS SHALL BE PLANED OR FILLDED THE CONTRACTOR'S EXPERIENCE IN A MANUFACTURE THAT WILL NOT DANIEL THE LESTING MOMENTED BASE AND WILL OBTAIN THE REQUIRED LATERAL COMPACTION AT REQUIRED TEMPERATURE.
- 5. <u>FOG SEAL</u>; ALL A.C. PAVING SHALL BE FOG SEALED PER SECTION 37 OF CALTRANS STANDARD SPECIFICATIONS, PER THE LATEST EDITION,

STORM DRAIN NOTES:

- 1. THE UNDERGROUND CONTRACTOR SHALL EXPOSE EXISTING STORM DRAINS, WHERE CONNECTION IS TO BE MADE, SO THAT THE ENGINEER CAN VERIFY EXISTING FLOW LINES AND LOCATIONS BEFORE START OF CONSTRUCTION.
- 2. ALL STORM DRAIN CONSTRUCTION, MATERIALS, AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH SAN JUNIOUN COUNTY IMPROVEMENT STANDARDS.
- 3. STORM PIPE WITHIN COUNTY RICHT-OF-WAY SHALL BE 12" MINIMUM DAMETER CLASS IN RCP MEETING ASTM CTG STANDARDS, RUBBER GASKETED JOHNS, UNLESS DTHERMES SHOWN, ALL OTHER STORM PIPE 4"-15" SHALL BE SEN SDR-35 PV, ASTM JASK, RUBBER CASKETED JOHN'S & FITTINGS MEETING ASTM STANDARDS UNLESS OTHERWISE SHOWN.
- 1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TESTING OF STORM DRAIN FACULTIES. ALL TESTING SHALL BE AT CONTRACTOR'S EXPENSE AND SHALL BE INCLUDED IN PRICE BID FOR STORM DRAIN INSTALLATION.
- 5. ALL MAINTENANCE HOLES SHALL BE PER SAN JOAQUIN COUNTY IMPROVEMENT STANDARD DRAWNG NO'S D-148, D-16 & R-30 AS SHOWN ON SHEET J.
- 6, ALL TRENCH SECTIONS AND BACKFILL SHALL BE PER SAN JOAQUIN COUNTY IMPROVEMENT STANDARD DRAWING NO. R-29 AS SHOWN ON SHEET 3.
- 7. ALL DRAIN INLETS SHALL BE PER DETAIL ON SHEET 5.
- 8. ALL CATCH BASINS/DRAW WILETS SHALL HAVE THE STORM DRAW MESSAGE PER SAN JCAQUIN COUNTY REQUIREMENTS.

CONTECH NOTES:

UNDERGROUND DETENTION SYSTEM

- 1. THE CONTRACTOR SHALL CONTRACT CHRISTIAN HEIMESSY OF CONTECH AT (503) 258-3120 RECARDING PLAN FILE 565893 CATED 9/7/2018. THE CONTRACTOR IS REQUIRED TO INSTALL THE 72" DAMETER CONTECH UNDERGROUND DETENTION SISTEM PER CONTECH PLAN FILE WITH THE 36" DAMETER RISERS & 18" DRAW INLETS. THE CONTRACTOR SHALL DETAIN THE OFFICIAL SHOP DRAWINGS FROM CONTECH FOR THE PROJECT AND PROVIDE TO THE ENGINEER FOR APPROVAL PRIOR TO TABRICATION.
- 2. THE CONTRACTOR SHALL INSTALL PER CONTRACT SPECIFICATIONS AS DEFINED IN THE PLAN SET PREPARED BY CONTECH. ANY DEVANTON SHALL BE APPROVED BY CONTECH.
- J. INSTALLATION SHALL BE OBSERVED BY THE GEOTECHNICAL ENGINEER. THE CONTRACTOR SHALL COORDINATE HISTALLATION WITH THE GEOTECHNICAL ENGINEER PRIOR TO INSTALLATION. COMPACTION TESTING IS REQUIRED AND SHALL MEET THE PLAN SPECIFICATIONS UNLESS DIRECTED OTHERWISE, IN WRITING BY THE GEOTECHNICAL ENGINEER. THE COMPACTION SHALL PROVIDE COPIES OF THE COMPACTION TEST RESULTS TO THE ENGINEER.
- 4. ACCESS LID AND DRAINAGE GRATE SHALL BE FABRICATED IN GENERAL CONFORMANCE WITH THE DETAIL SHOWN ON SHEET 5 AND SHALL BE HOT DIPPED CALVANIZED AFTER FABRICATION.
- THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR THE 18" DRAIN GRATE AND 36" SOLID ACCESS CLOSURE LID TO THE ENGINEER FOR APPROVAL PRIOR TO FABRICATION,
- NO LANDSCAPE PRINCATION PIPES, SPRINKLER RISERS, ETC. SHALL EXTEND BELOW THE CURB DEPTH ADMICENT TO THE DETENTION CELL.

A-2000 (PVC F949) DRAINAGE PIPE

- 1. THE CONTRACTOR SHALL INSTALL CONTECH 8" A-2000 DRAWAGE PIPE FROM DETENTION CELL 18" DRAW INLET RISER TO TYPE 1 MAINTENANCE HOLE IN COTTON STREET TURN AROUND.
- COMMECTION TO 18" DRAW MEET RISER AT 22" DIAMETER DETENTION SYSTEM SHALL BE CONTECH A-2000 TO CMP BAND PER CONTECH STANDARD DETAILS.
- 3. BACKFILL/INSTALLATION SHALL BE PER LOW COVER INSTALLATION AS SHOWN ON CONTECH STANDARD DETAILS.

SAW CUTTING NOTES:

1. LOCATION OF SAW CUTTING IS REPRESENTED ON THESE PLANS, THE ACTUAL LOCATION SHALL BE DETERMINED IN THE FIELD WITH THE ENGINEER AND/OR COUNTY INSPECTOR.

-800-227-2600-



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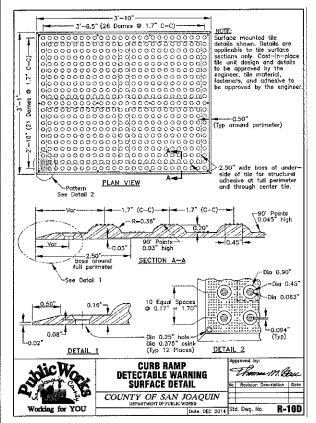
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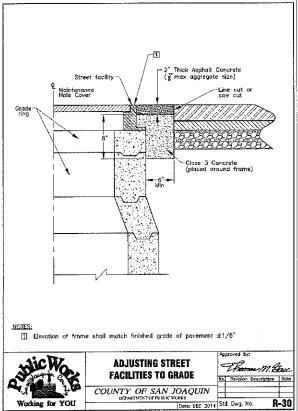
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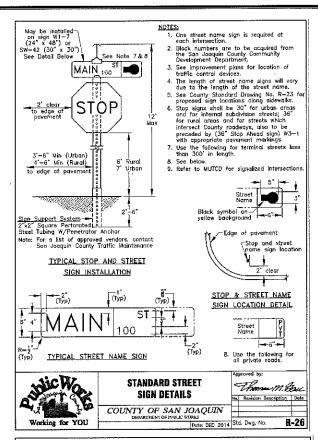
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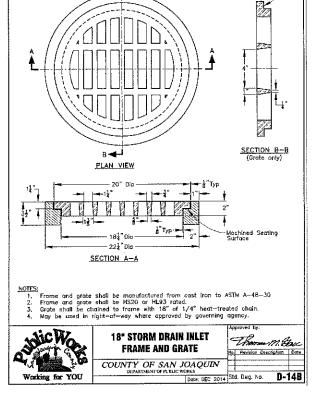
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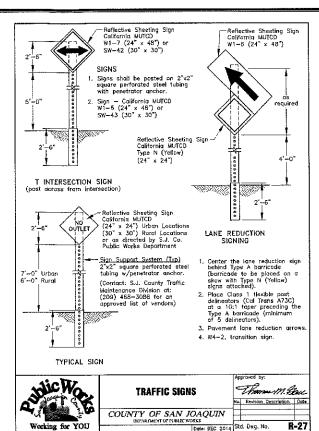


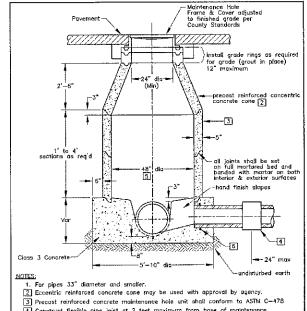


Working for YOU









4 Construct flexible pipe joint at 2 feet maximum from base of maintenance hole for rigid pipe (except for cast-in-place).

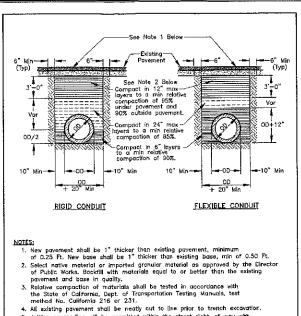
5 Interior coating where required by agency.

Rubber ring waterstop or adaptor required for pvc pipe installations.
 For unpaved areas, leave maintenance hole rim above ground as required by agency.







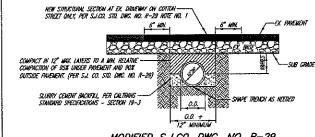


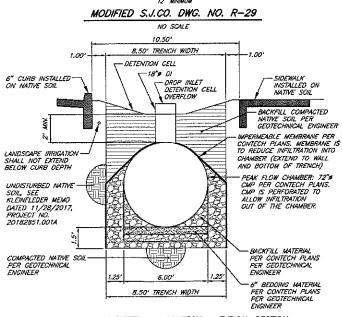
- Jetting or ponding will be permitted within the street right—of—way with a 3 year bond, when approved by the Director of Public Works.

- When shown by soil composition and compactability, ninety percent (90%)
 compaction may be used, when approved by the Director of Public Works.
 Special bedding and backfill requirements may be shown on the plans or specified in the special provisions.



NOTE: THE PROPOSED 12"SD PIPES SHOWN AS () SHALL BE BACKFILLED PER A MODIFIED S.J.CO. DWG. NO. R-29, SHOWN BELOW.





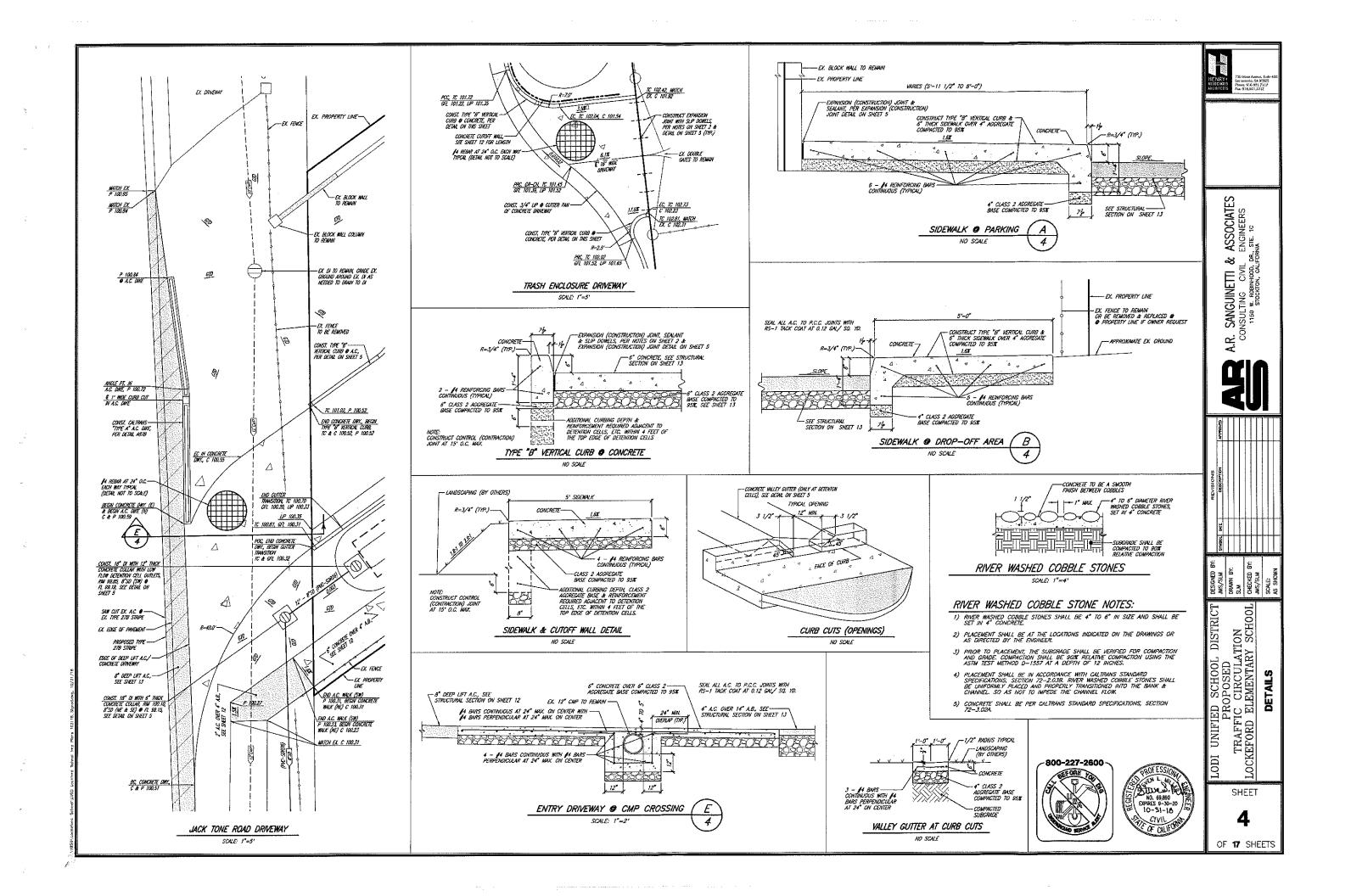
PEAK FLOW SYSTEM BY CONTECH - TYPICAL SECTION (SHOWN FOR REFERENCE ONLY)

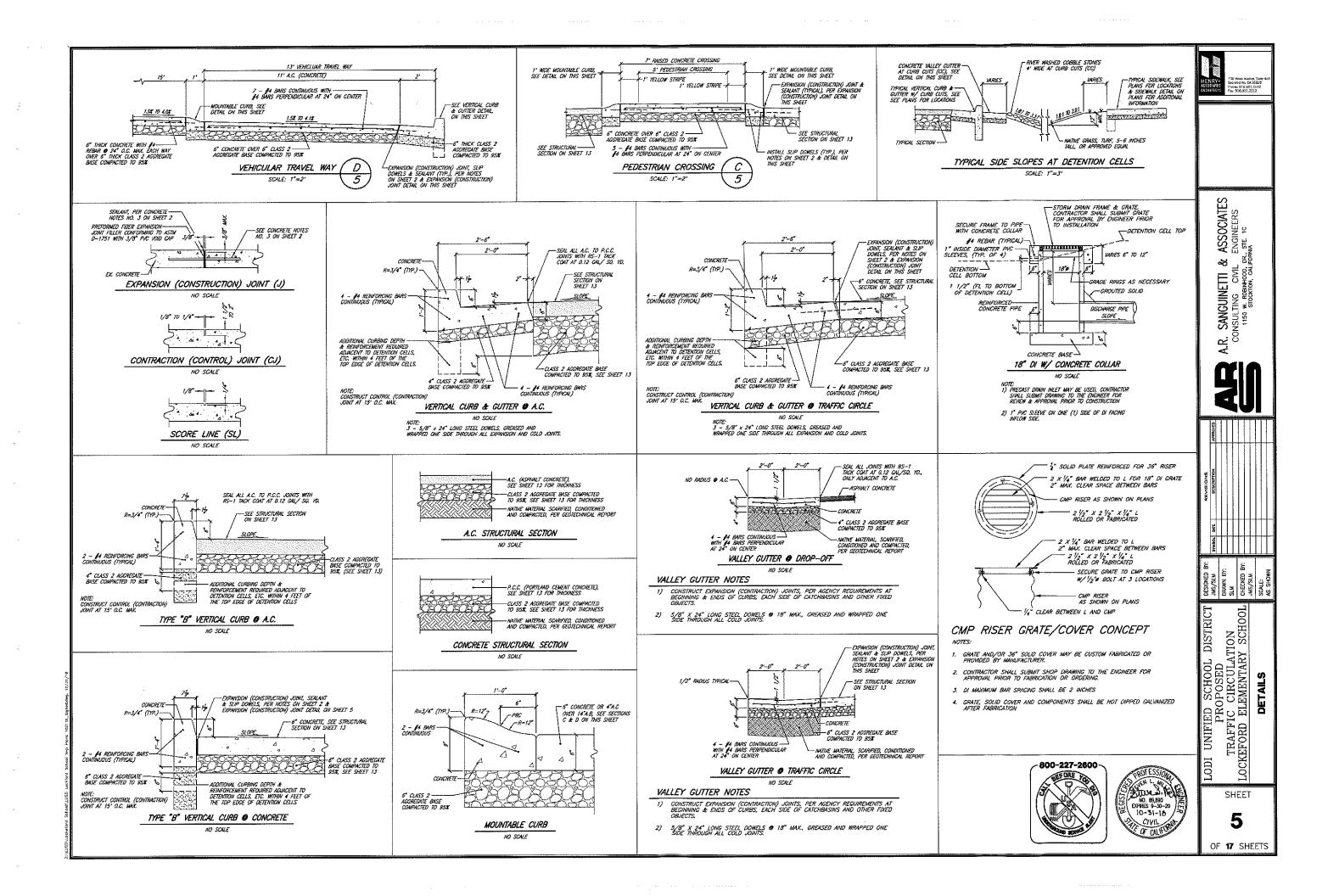
NO SCALE SEE CONTECH NOTES ON SHEET 2 730 Move Agamer, Spil Secramorso, CA 95826 Pitone: 916.921.2112 Fax: 916.921.2212

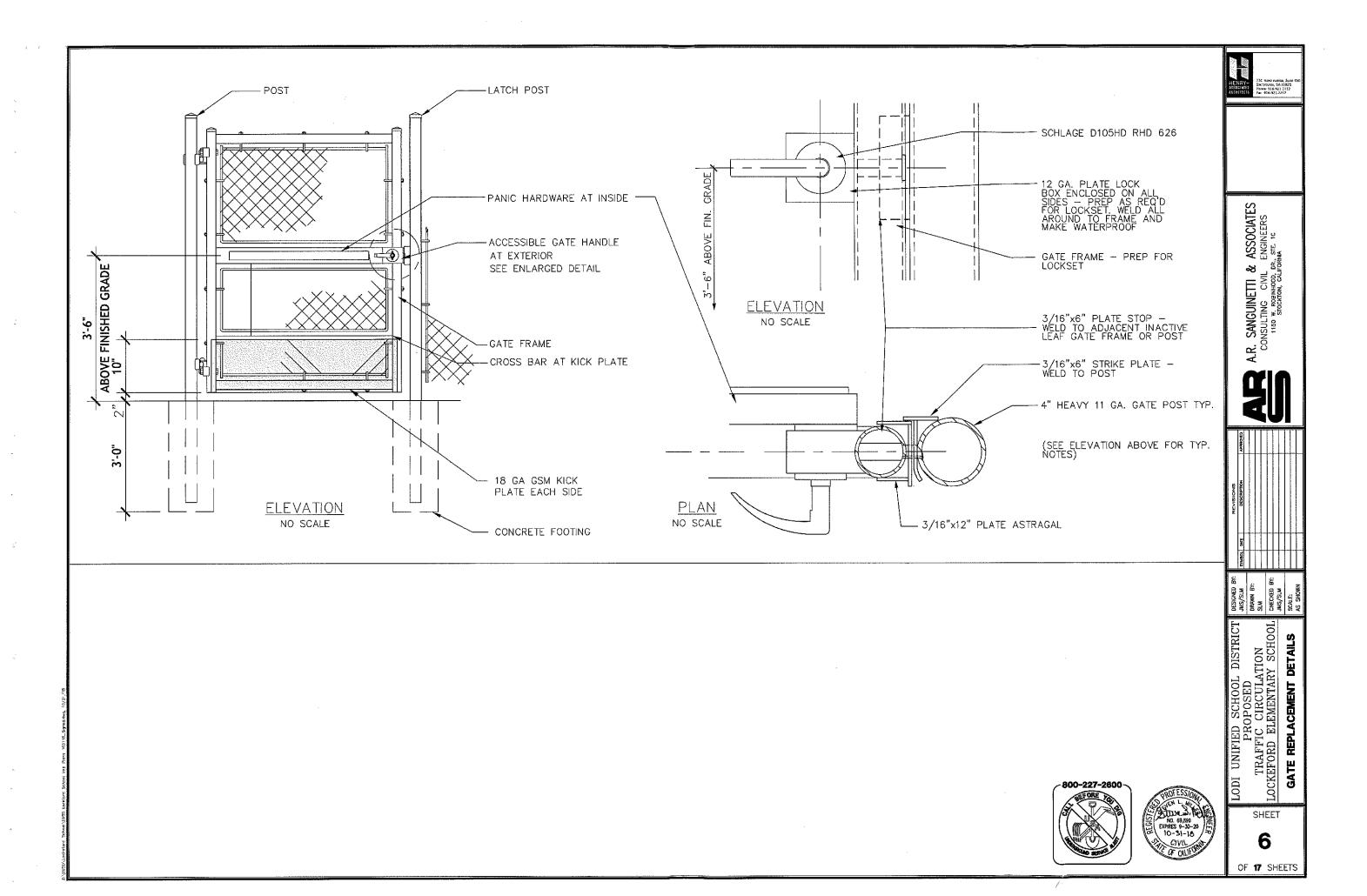
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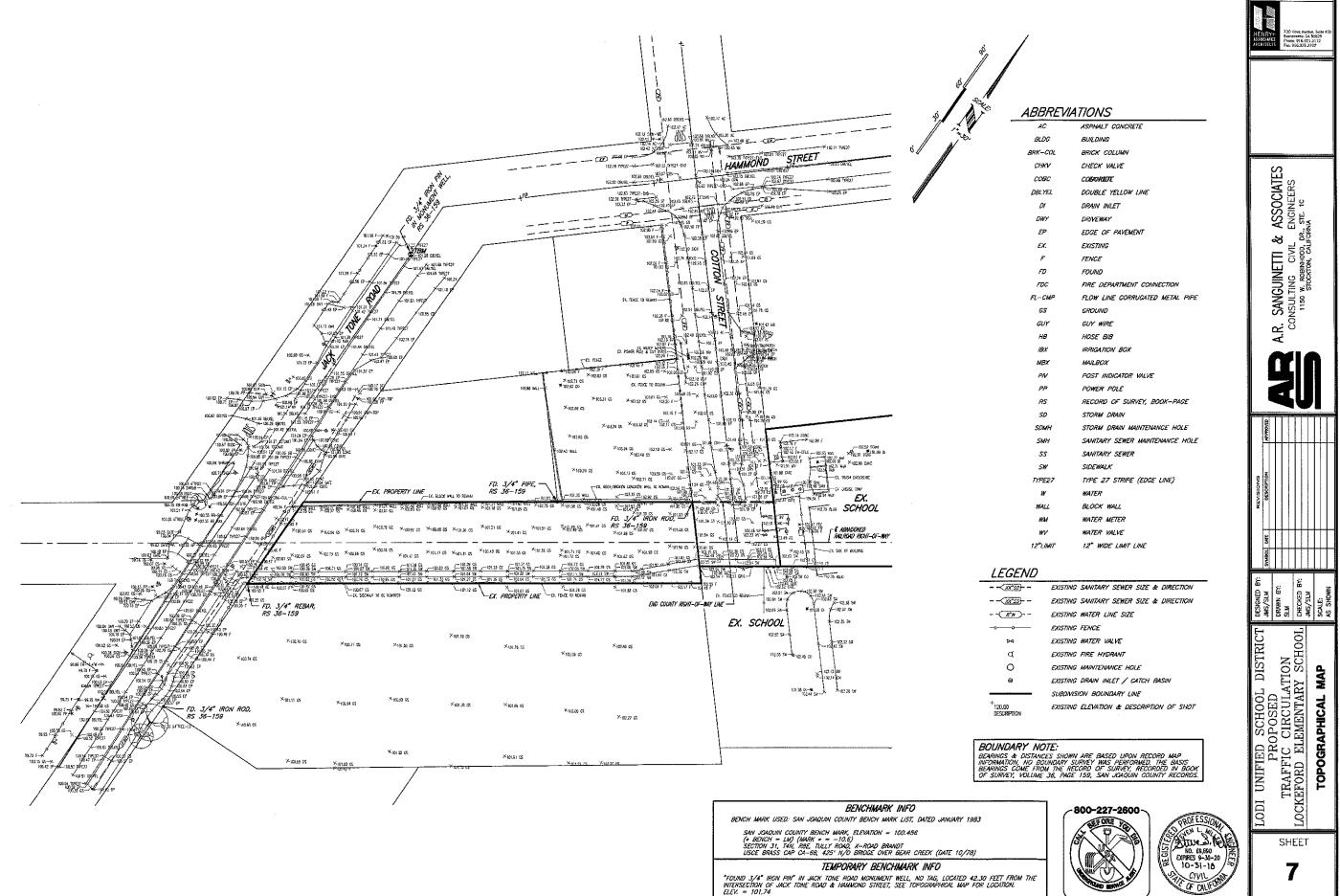
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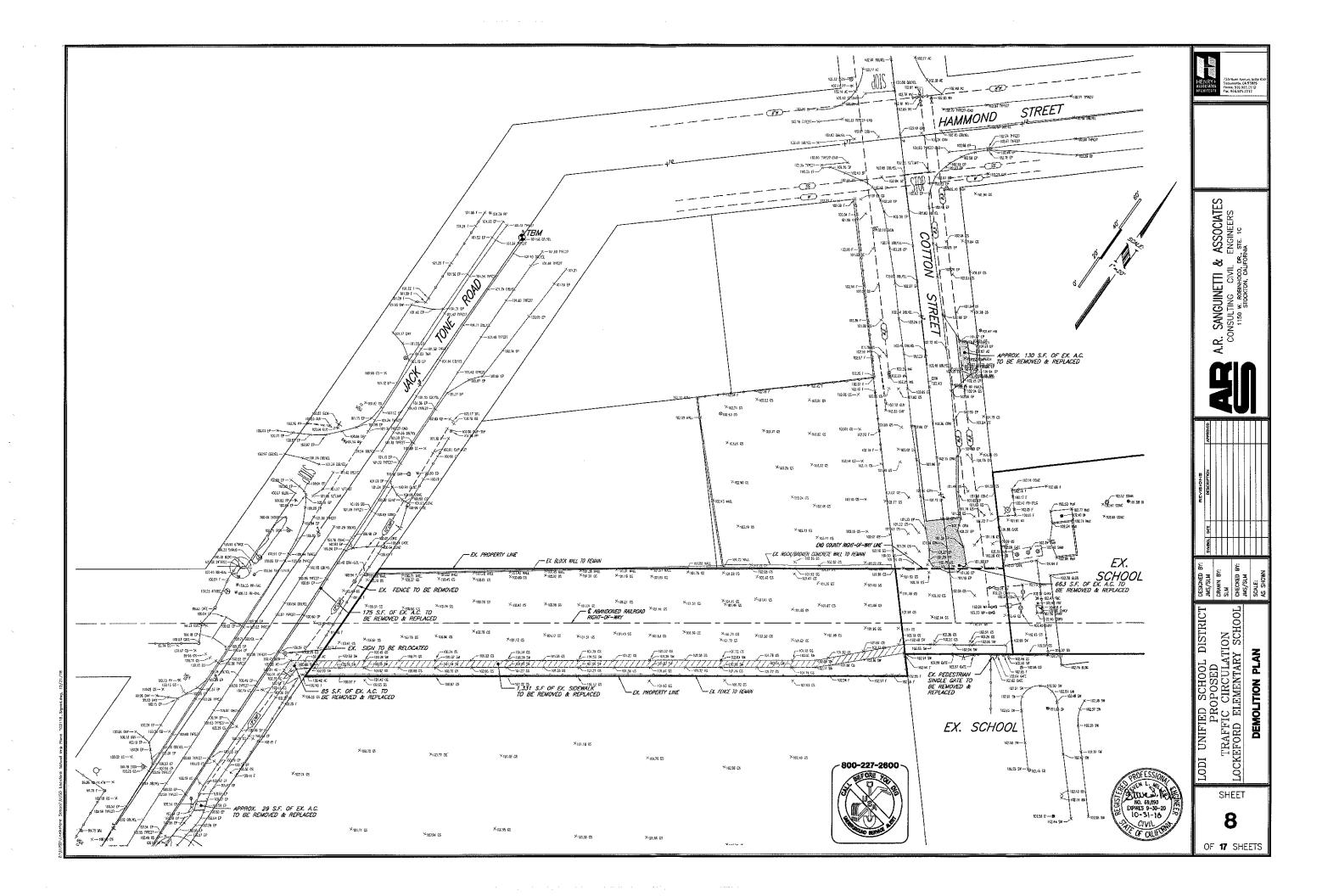


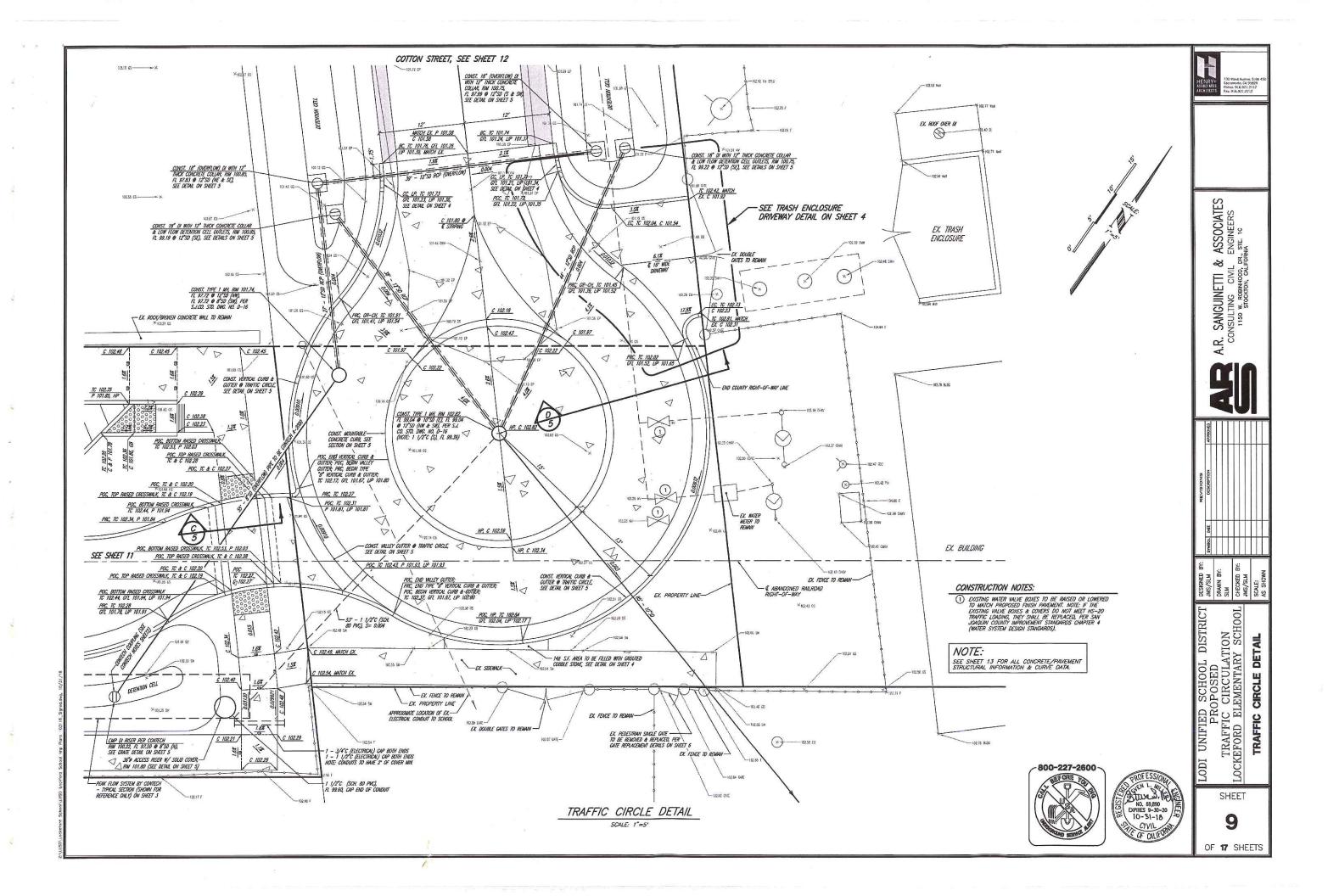


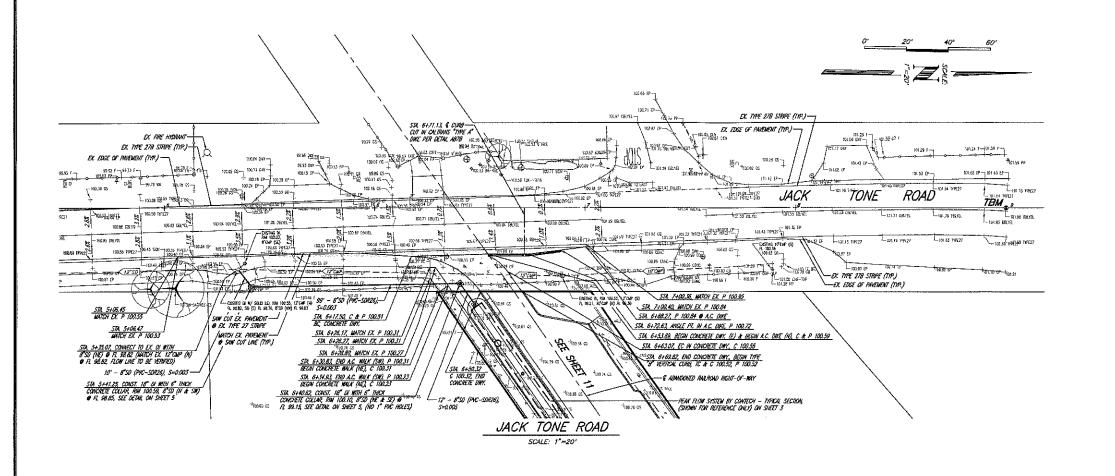


730 Nowz Alemie, Suit Sacramento, GA 92825 Phone: 916.921.2112 Fax: 966.921.2212

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.R. SANGUINETTI & ASSOCIATES CONSULTING CIVIL ENGINEERS 1150 W. ROBINHOOD, DR., STE. 10 STOCKTON, CALIFORNIA ⋖

DESIGNED E
JUS/SLM
DRAWN BY:
SLM
CHECKED B
JUS/SLM
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LODI UNIFIED SCHOOL DISTRICT PROPOSED TRAFFIC CIRCULATION LOCKEFORD ELEMENTARY SCHOOL JACK

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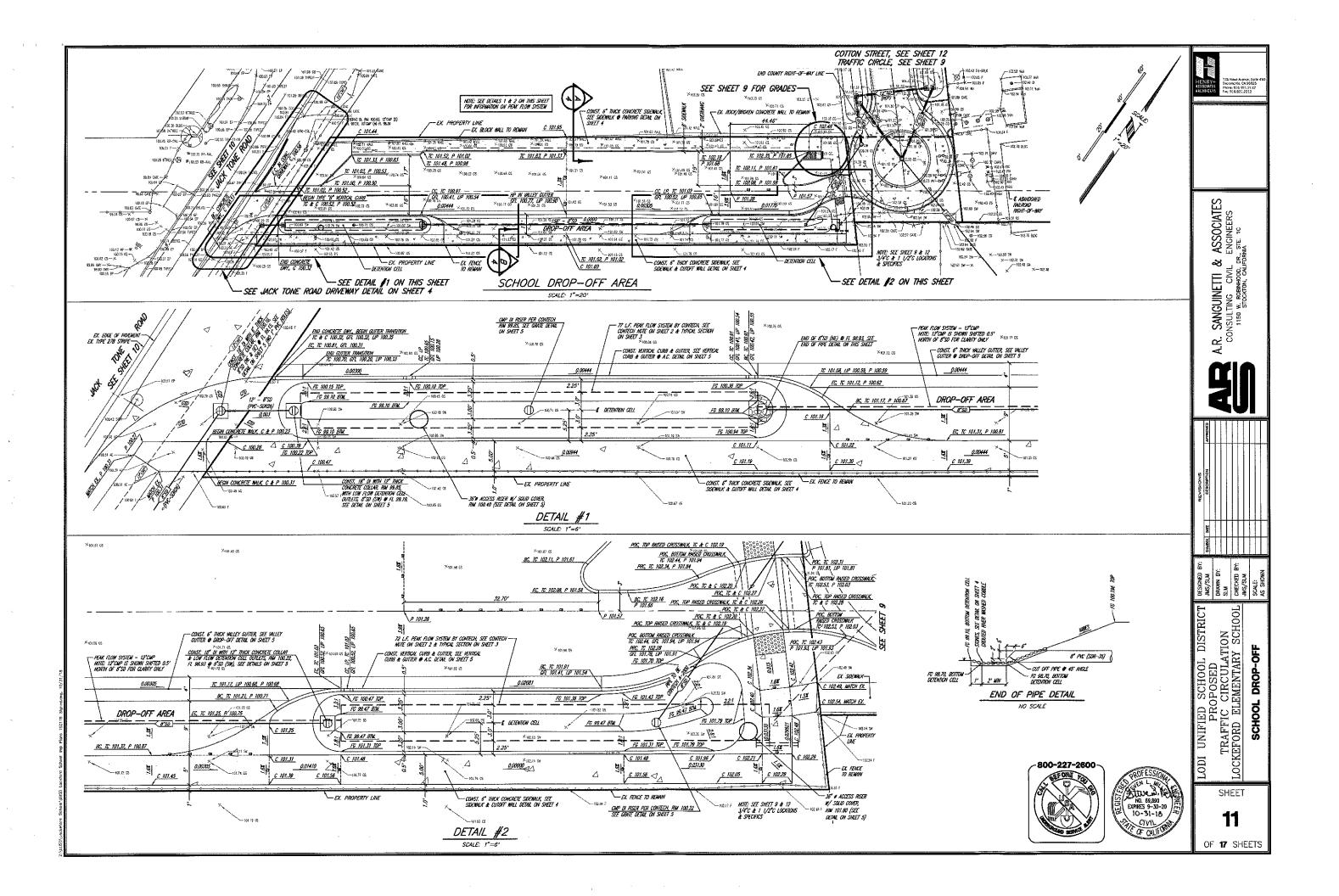
OF 17 SHEETS

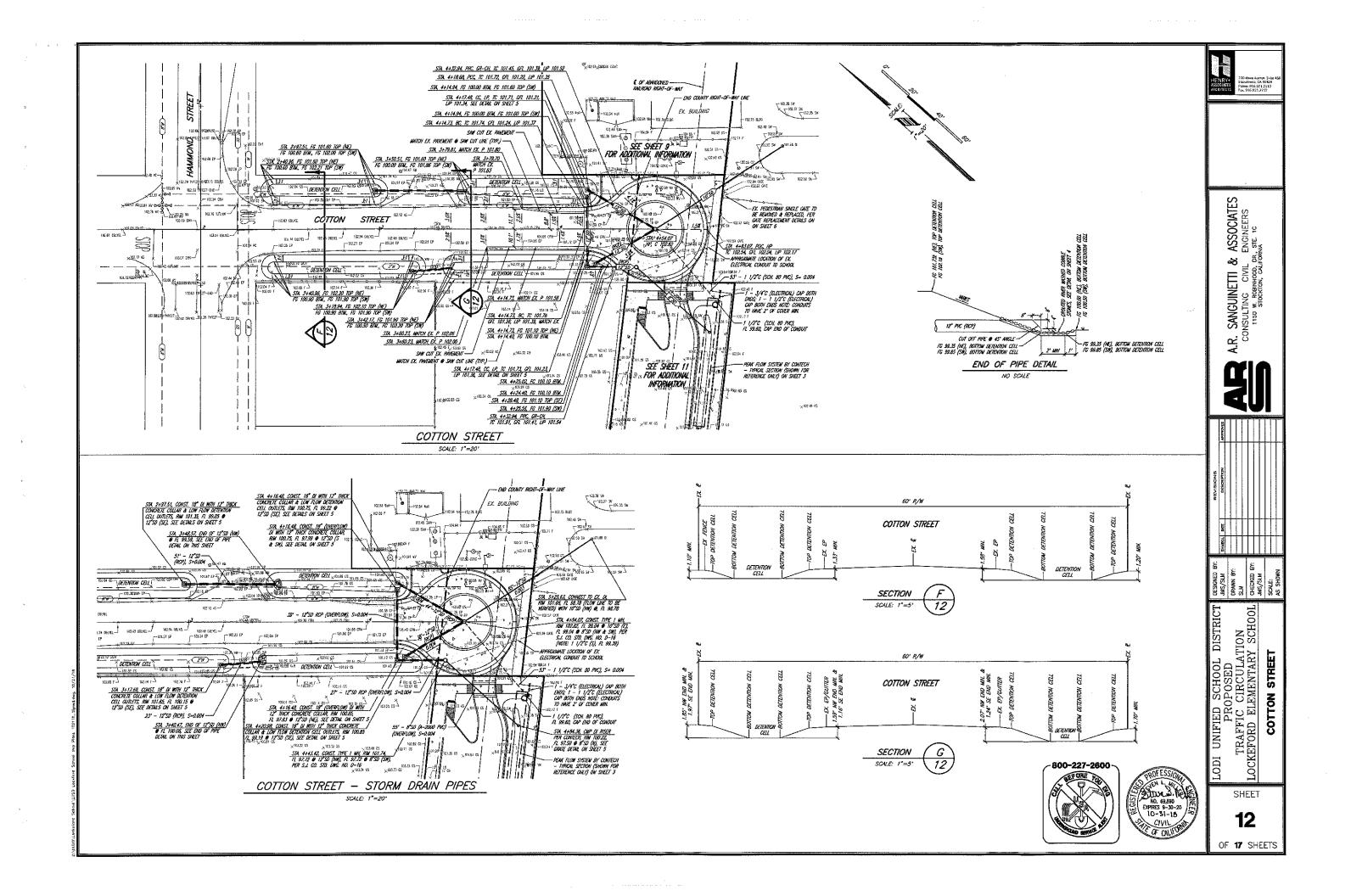
TRAFFIC NOTE: THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN TO SAN JOAQUÍN COUNTY PRIOR TO THE START OF CONSTRUCTION.

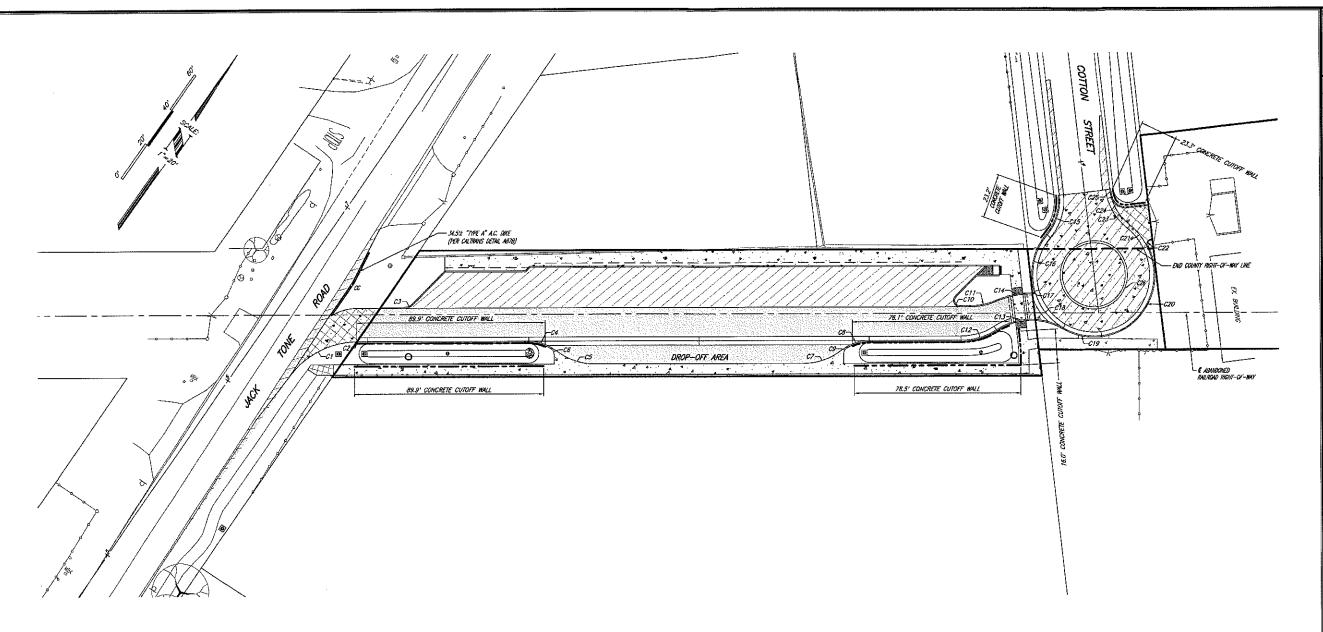


NO. 69,890 EXPIRES 9-30-20 10-31-18

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		CONCRETE SECTIONS	PAVEMENT SECTIONS		PAVEMENT SECTIONS
	AREA	CONCRETE:	·	AREA	ASPHALT PAVEMENT:
XX		ENTRY DRIVEWAY - JACK TONE ROAD			77 = 7.0, R-VALUE = 5
XX	404 SF	6" CONCRETE OVER 6" CLASS II A.B.	0.000	5,374 SF	4" A.C. OVER 14" CLASS II A.B.
		CONCRETE SHALL ATTAIN A 28 DAY COMPRESSIVE MINIMUM STRENGTH OF 2,500 PSL			77 = 4.5, R-VALUE = 5
X X 1		TRASH ENCLOSURE DRIVEWAY INCLUDING VERTICAL CURBS, GUTTER, ETC.		1,772 SF	2 1/2" A.C. OVER 9" CLASS II A.B.
X:X1	247 SF	6" CONCRETE OVER 6" CLASS II A.B.	1////		JACK TONE ROAD • EDGE OF PAVEMENT
		CONCRETE SHALL ATTAIN A 28 DAY COMPRESSIVE MINIMUM STRENGTH OF 2,500 PSI.	1/1/1/	462 SF	8" DEEP LIFT A.C.
		RAISED PEDESTRIAN CROSSING	1////		COTTON STREET @ EDGE OF PAVEMENT
/ %]	115 SF	6" CONCRETE OVER 6" CLASS II A.B.		206 SF	8" DEEP LIFT A.C.
1/4/		CONCRETE SHALL ATTAIN A 28 DAY COMPRESSIVE MINIMUM STRENGTH OF 2,500 PSI.	XXXXX		TRANSITION FROM EXISTING A.C. WALKWAY TO NEW 6" CONCRETE WALKWAY
7/1		TRAFFIC CIRCLE, EXCLUDING CURB & SUTTER, VERTICAL CURBS, VALLEY GUTTER, MOUNTABLE CURBING, ETC., 17 7.0, R-VALUE = 5	AVOTEC:	54 SF	2" A.C. OVER 4" CLASS II A.R.
/ 1/ [2,557 SF	6" CONCRETE OVER 6" CLASS II A.B.	NOTES:	CURBS: VERT	TICAL CURB & GUTTER: MOUNTABLE CURBS AND VALLEY GUTTERS
(½ /\		CONCRETE SHALL ATTAIN A 28 DAY COMPRESSIVE MINIMUM STRENGTH OF 2,500 PSL	ARE NOT	INCLUDED IN	TICAL CURB & GUTTER; MOUNTABLE CURBS AND VALLEY GUTTERS THE AREA TABULATIONS.

SIDEWALKS (WALKWAYS)

2,847 SF 6" CONCRETE OVER 4" CLASS II A.B.

1,151 SF

6" CONCRETE OVER 4" CLASS II A.B.

CONCRETE SHALL ATTAIN A 28 DAY COMPRESSIVE MINIMUM STRENGTH OF 2,500 PSL SIDEWALKS (WALKWAYS) WITH 6" HIGH VERTICAL CURBS @ A.C.

CONCRETE SHALL ATTAIN A 28 DAY COMPRESSIVE MINIMUM STRENGTH OF 2,500 PSL

2) THE "TYPE A" A.C. DIKE (PER CALTRANS DETAIL ABJB) AND THE A.C. BELOW THE A.C. DIKE ARE NOT INCLUDED IN THE AREA TABULATIONS.

CONCRETE - CURVE DATA					
CURVE #	RADIUS	DELTA	LENGTH		
C1	40,00'	54'54'13"	38.33"		
C2	40.00	0'34'59"	0.41'		
C3	5.00'	45'00'00"	3.93'		
C4	20.00'	JJ"15"56"	11,611		
C5	30.00'	33"15"56"	17.42'		
C6	3,00'	56'44'04"	2.97		
C7	30.00*	33"15"56"	17.42		
CB	20.00'	33"15"56"	11.61*		
СЭ	3.00	56'44'04"	2.97		
C10	3.00'	135'00'00"	7.07*		
C11	30.00*	23'30'01"	12.30'		
C12	30.00*	33'30'31"	17.55		
C13	30.00'	63"59"32"	33.51'		

CONCRETE - CURVE DATA					
CURVE #	RADIUS	DELTA	LENGTH		
C14	42.00°	24'48'09"	18.18'		
C15	25.00*	45"44"59"	20.40'		
C16	29.00"	55'29'59"	28.09*		
C17	1.00*	106'28'57"	1.86'		
C18	29.00'	44'20'09"	22.44*		
C19	29.00'	36'54'51"	18.68*		
C20	29.00'	110'25'01"	55,89*		
C21	29.00'	26 19 58	13,331		
C22	2.50	110'25'01"	4,82'		
C23	25.00'	3739'42"	16.43'		
G24	7.00'	80'54'42	9.89'		
C25	25.00'	9'05'18"	3.97		
C26	16.00"	360'00'00"	100.53*		



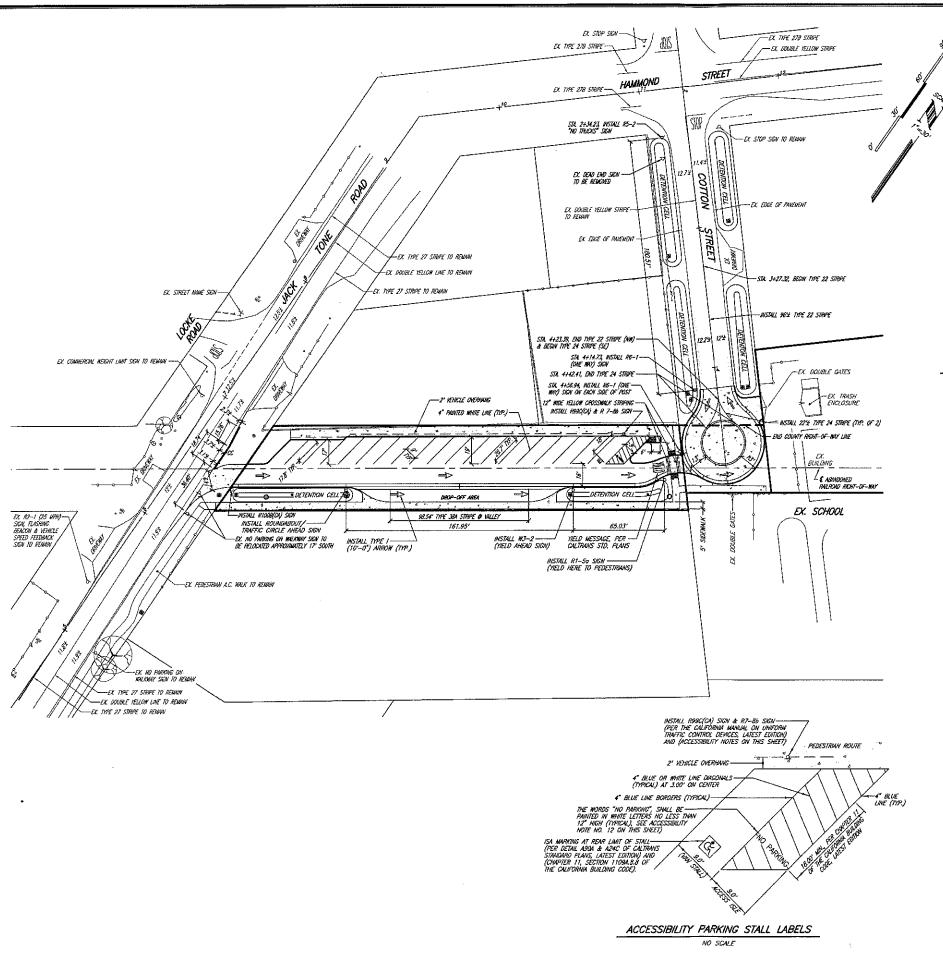


A.R. SANGUINETTI & ASSOCIATES CONSULTING CIVIL ENGINEERS 1150 W. ROBINHOOD, DR., STE. 10 STOCKTON, CALFORNA

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LODI UNIFIED SCHOOL DICTERATION TRAFFIC CIRCULATION SELEMENTARY SCHOOL CIRCUREFORD ELEMENTARY ELEMENTARY SCHOOL CIRCUREFORD ELEMENTARY ELEMENTARY SCHOOL CIRCUREFORD ELEMENTARY ELEME

SHEET 13



STRIPING & SIGNING NOTES:

- 1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL STRIPING AND PAVEMENT MARKINGS NECESSARY TO THE EXISTING STRIPING INTO FUTURE STRIPING AS APPROVED BY THE COUNTY ENGNEER MAJOR PROJUCER REMOVAL OF EXISTING PAVEMENT MARKINGS SHALL BE REMOVED PER CALITARIS STANDARD SPECIFICATIONS SECTION 84-9.
- 2. ALL PAVEMENT STRIPES & MARKING SHALL BE PAINTED PER CALTRANS LATEST STANDARD SPECIFICATION, SECTION 84-2.
- 3. STRIPING MARKINGS SHALL CONFORM WITH THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (LATEST EDITION) AND CALIFRANS STANDARD PLANS & SPECIFICATIONS, LATEST CONTROL.
- 4. THE CONTRACTOR SHALL MOTIFY THE COUNTY TRAFFIC ENGINEERING DIVISION A MINIMUM OF 48 HOURS IN ADVANCE OF THE LAYOUT AND CAT-TRACKING OF THE PROPOSED IMPROVEMENTS. CAT-TRACKING TO BE APPROVED BY TRAFFIC ENGINEERING PRIOR TO FINAL APPLICATION OF DAILY AND LABORANS.
- 5. THE CONTRACTOR SHALL ENSURE THAT THE APPROPRIATE STRIPING AND PAVEMENT MARKINGS ARE IN PLACE AT ALL TIMES. TEMPORARY STRIPING AND/OR PAVEMENT MARKINGS SHALL BE INSTALLED TO REPURCE ANY EXPENSES OR MARKINGS WHICH HAVE BEEN REMOVED. ANY CONTRACTOR STRIPING SHALL BE REMOVED IMMEDIATELY BY THE CONTRACTOR PRIOR TO REOPENING THE STREET TO TRAFFIC.
- 6. THE CONTRACTOR SHALL REMOVE OR RELOCATE ANY EXISTING SIGNS IN CONTLICT WITH THISE PLANS AS DIRECTED BY THE CITY ENGINEER, EXISTING STRIPING AND MARKINGS IN CONFLICT WITH TRESE PLANS SHALL BE REMOVED BY THE CONTRACTOR, PAYEMENT SHALL BE REPAIRED IF DAMAGED IN CONJUNCTION WITH REMOVAL OF MARKERS.
- 7. ALL DIMENSIONS SHOWN ARE FROM FACE OF CURB, UNLESS OTHERWISE NOTED.
- 8. ALL STREET SIGNS SHALL BE INSTALLED ON 2"X2" SQUARE PERFORATED STEEL TUBING W/PENETRATOR ANCHOR, PER S.J. CO. DING. NO'S. R-26 & R-27.
- THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN TO SAN JOAQUIN COUNTY AND GET APPROVAL PRIOR TO THE START OF CONSTRUCTION.

ACCESSIBILITY & PATH OF TRAVEL NOTES:

- ALL ACCESSIBILITY ISSUES SHALL COMPLY WITH THE 2018 EDITION OF THE CALIFORNIA BUILDING CODE
 - CHAPTER 11, THE LATEST EDITION OF DASA (ONISION OF STATE ARCHITECT) CALIFORNIA ACCESS
 COMPLANCE REFERENCE MANUL & MADDIG (AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIGELINES)
 AND CABO/ANSI A117.1 AND ANY ADOPTED LOCAL CODES.
- 2. NO RAMP SHALL EXCEED A SLOPE OF 8.33% AND SHALL HAVE LANDINGS, ETC. THEY SHALL BE PER THE LATEST CAUFORNIA BUILDING CODE, ADAAG (AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES) AND ANY ACOPTED LOCAL CODES.
- 3. PRE-FABRICATED IN LINE RASED TRUNCATED DOMES (DETECTIBLE WARNING SURFACE) SHALL MEET CHAPTER 11 OF THE CALFORNIA BUILDING CODE, ADMIG (AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES) & SAN JOAQUIN COUNTY IMPROVEMENT STANDARDS.
- 4. THE SURFACE SLOPE FOR ALL THE CONCRETE FLAT WORK SHALL NOT EXCEED 5% SLOPE ALONG THE PATH OF TRAVEL & 2% CROSS SLOPE MAX.
- 5. ALL CONCRETE FLAT WORK SHALL COMPLY WITH CHAPTER 10 & 11 OF THE LATEST CALIFORNIA BUILDING CODE AND ADOPTED LOCAL CODES.
- 6. THE SURFACE SLOPE OF THE ACCESSIBLE PARKING SPACES AREA SHALL NOT EXCEED 2% SLOPE IN ANY DIRECTION.
- 7. THE CONCRETE FOR ALL FLAT WORK, RAMPS, ETC. SHALL BE A MINIMUM OF 6" THICK.
- 8. THE PARKING STALLS SHALL HAVE A 2% MAXIMUM SLOPE IN ANY DIRECTION, PER CHAPTER 11 OF THE CALIFORNIA BUILDING CODE & ADMIG (AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES).
- 9. PARKING STALLS SHALL BE SO LOCATED THAT PERSONS WITH DISABILITIES ARE NOT COMPELLED TO WHEEL OR WALK BEHIND PARKED CARS OTHER TRAN THEIR OWN.
- 10. THE R7-Bb "VAN ACCESSIBILE" SIGN SHALL BE MOUNTED BELOW THE R99C(CA) "ISA PARKING" SIGN. ISA = INTERNATIONAL SYMBOL OF ACCESSIBILITY.
- WHERE RGSC(CA) "ISA PARKING" OR R7-8b "VAN ACCESSIBLE" SIGNS ARE INSTALLED, THE BOTTOM OF THE SIGN PANEL SHALL BE A MINIMUM OF 80" ABOVE THE SURROUNDING SURFACE.
- 12. THE WORDS "NO PARKING", SHALL BE PAINTED IN WHITE LETTERS NO LESS THAN 1'-0" HIGH AND LOCATED SO THAT IT IS INSIBLE TO TRAFFIC ENFORCEMENT OFFICIALS. SEE CALTRANS STANDARD PLAN AGOA FOR DETAILS OF THE "NO PARKING" PAVEMENT MARKING.
- 13. AN RIGOB(CA) SIGN SHALL BE POSTED IN A CONSPICUOUS PLACE AT EACH ENTRANCE TO OFF-STREET PARKING FACULITIES OR IMMEDIATELY ADJACENT TO AND VISIBLE FROM EACH STALL. THE SIGN SHALL INCLUDE THE ADDRESS WHERE THE TOWNO VEHICLE MAY BE RECLAIMED AND THE TELEPHONE NUMBER OF THE LOCAL TRAFFIC LAW ENFORCEMENT AGENCY.
- 14. WHERE A SINGLE (NON-VAN) ACCESSIBLE PARKING SPACE IS PROVIDED, THE LOADING AND UNLOADING ACCESS AISLE SHALL BE ON THE PASSENCER SIDE OF THE VEHICLE AS THE VEHICLE IS GOING FORWARD
- 15. WHERE A VAN ACCESSIBLE PARKING SPACE IS PROVIDED, THE LOADING ANDUNLOADING ACCESS AISLE SHALL BE 8-0" MILE MINIMUM, AND SHALL BE ON THE PASSENGER SIDE OF THE VEHICLE AS THE VEHICLE IS GOING FORWARD WITO THE PARKING SPACE.
- 16. THE PATH OF TRAVEL SHALL COMPLY WITH THE LATEST EDITION OF THE CALIFORNIA BUILDING CODE CHAPTER 11, ADMG (AMERICANS WITH DISABILITIES ACT ACCESSIBILITY COLDELNES) AND CABO/ANSI A117.1 AND ANY ADDPTED LOCAL CODES FOR PAINT, SIGNAGE, WIDTH, MATERIAL, ETC.
- 17. ALL THE SIGNS DESIGNATING THE PATH OF TRINCE SHALL COUNLY WITH THE LATEST EDITION OF THE CULFURNIA BILLIONG CODE GHAPTER 11, ADANG (AMERICALS WITH DISHBELTIES ACT ACCESSIBILITY CULFURNIES AND ANY ADOPTED LOCAL CODES FOR SHAME MICLIONIC LOCATION, WORDING, SIZE OF TEXT,
- 18. ALL SIGNS INSTALLED IN THE PATH OF TRAVEL AREA SHALL HAVE THE BOTTOM OF THE SIGN PANEL A MINIMUM OF 80" ABOVE THE SURROUNDING SURFACE;





730 Houe Home, Suit Secremente, GA 95825 Phone: 916,921,2112 Fax: 916,921,2232

ASSOCIATES ENGINEERS E, STE. 10 공 SANGUINETTI & SUNSULTING CIVIL 1150 W. ROBINHOOD, E STOCKTON, CALIFI

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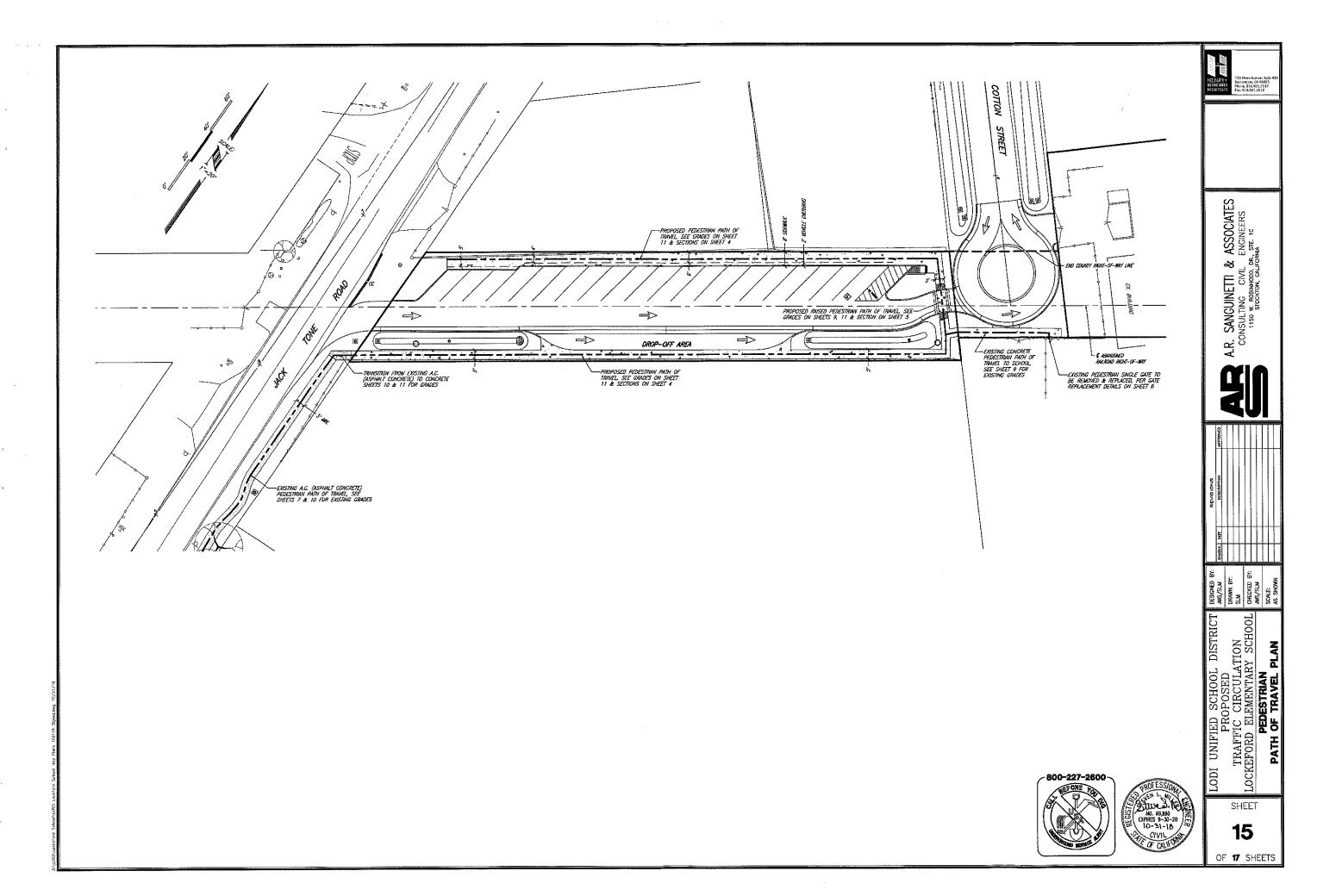
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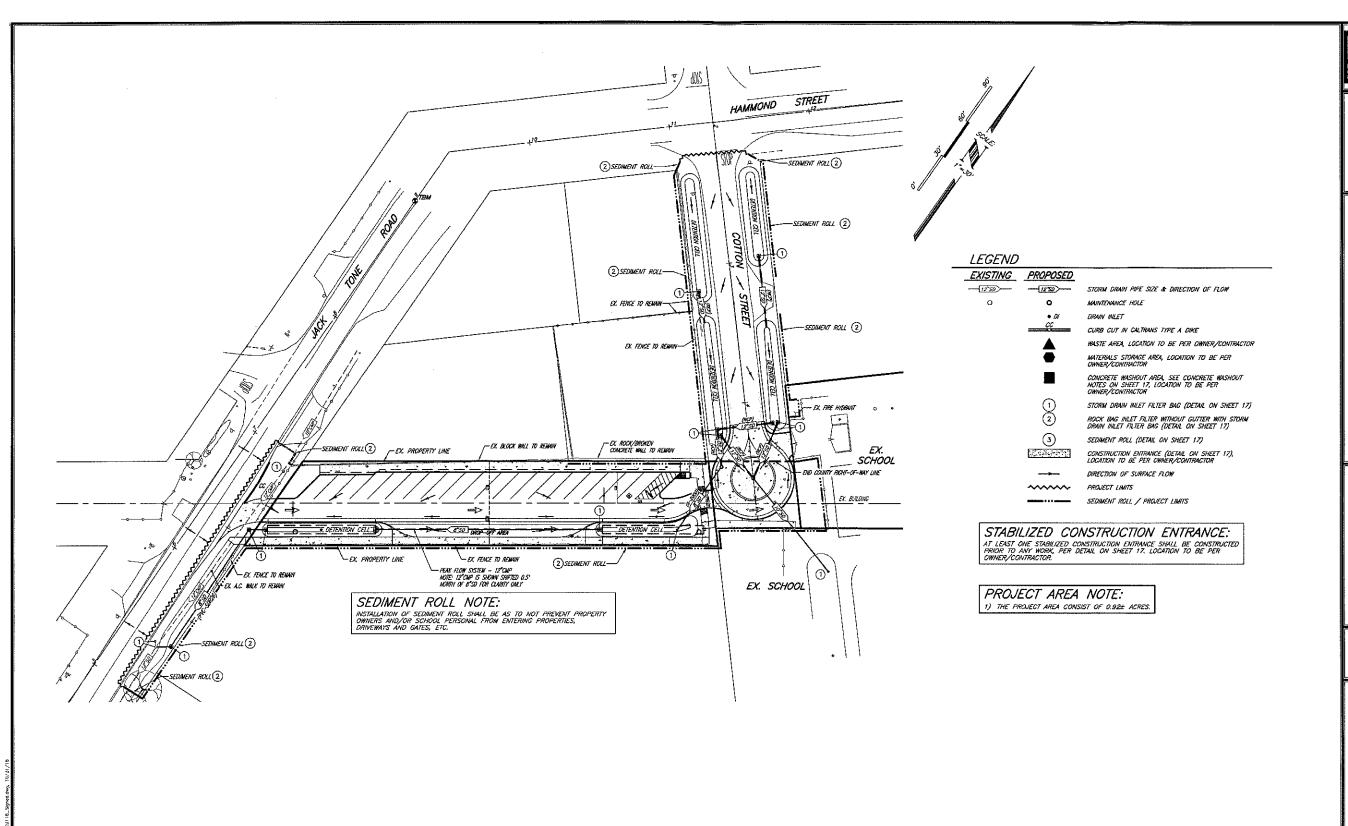
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PROPOSED
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A.R. SANGUINETTI & ASSOCIATES CONSULTING CIVIL ENGINEERS 1150 W, ROBINSTODD, DR., STE. 10 STOCKTOW, CALIFORNIA

DESIGNED B JMS/SLM DRAWN BY: SLM CHECKED B JMS/SLM SCALE: AS SHOWN

PLAN CONTROL EROSION

LODI UNIFIED SCHOOL DISTRICT PROPOSED TRAFFIC CIRCULATION LOCKEFORD ELEMENTARY SCHOOL

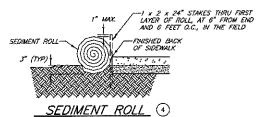
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NOTES:

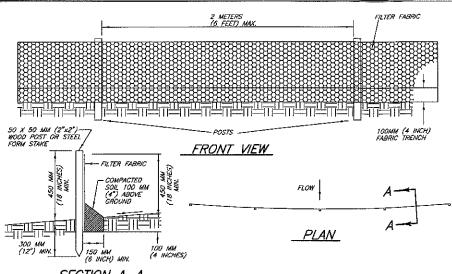
- THE CONTRACTOR IS ADVISED THAT THE STATE OF CALIFORNIA HAS ADOPTED NATIONAL POLLUTION DISCHARGE ELMINATION REQUIREMENTS (NPDES) IN ACCORDING WITH THE REQUIREMENTS OF THE CLEAN WATER ACT. THIS PROJECT IS SUBJECT TO ALL OF THE REQUIREMENTS CONTAINED IN THOSE ACTS. THE CONTRACTOR SHALL ABIDE BY ALL THE LAWS, ORDINANCES AND REGULATIONS ASSOCIATED WITH THE NPDES AND THE CLEAN WATER ACT.
- WHAT IS SHOWN ON THIS EROSION CONTROL PLAN IS TO BE USED AS A CUIDELINE FOR BMP'S AND DOES NOT REPRESENT ALL REQUIRED BMP'S PURSUANT TO FEDERAL, STATE & LOCAL LAWS. IT IS THE CONTRACTORS SOLE RESPONSIBILITY TO MEET ALL BMP REQUIREMENTS DURING THIS CONSTRUCTION OF THIS PROJECT.
- THE CONTRACTOR SHALL INCLUDE IN THE PROJECT COST (BID) ALL REQUIRED WORK FOR IMPLEMENTATION OF THE EROSION CONTROL PLAN, INCLUDING ONGOING MAINTENANCE OF THE EROSION CONTROL PLAN THROUGHOUT THE COURSE OF THE PROJECT UNTIL SUCH TIME THE WORK IS APPROVED BY THE PERMITTING AGENCY AND THE PROJECT IS DEEMED COMPLETE.
- THE EROSION CONTROL PLAN MUST BE MAINTAINED THROUGHOUT THE COURSE OF CONSTRUCTION. THE CONTRACTOR IS ADVISED THAT THEY SHALL CONFORM TO THIS REQUIREMENT AND THAT THEY SHALL IMPLEMENT ALL OF THE MESSURES SHOWN ON THE EROSION CONTROL PLAN.
- PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES FOR THIS EROSION CONTROL PLAN, THE CONTRACTOR SHALL IDENTIFY THE CONCRETE WASH OUT AREA PLANNED FOR THE PROJECT, IDENTIFY THE MATERIAL STORAGE AREA FOR THE PROJECT, IDENTIFY STABILIZED CONSTRUCTION ACCESS POINTS TO THE SITE.
- THE CONTRACTOR SHALL CONFIRM & IDENTIFY A CONSTRUCTION WASTE AREA FOR THIS EROSION CONTROL PLAN. MULTIPLE CONSTRUCTION WASTE AREAS ARE PERMITTED, THE AREAS SHOULD BE CONFINED TO AREAS LEAST SUSCEPTIBLE TO EROSION. ALL WASTE SHALL BE PROPERLY CONTAINED WITHIN THE IDENTIFIED AREA.
- PETROLEUM PRODUCTS, SOLVENTS, FERTILIZERS, METALS, PAINTS, ETC. SHALL BE STORED IN AREAS THAT PROVIDE COLOR (BE CARRAGE, STORAGE BUILDING, COVERCO WASTE BUILS, ETC.). IF ARY SUCH MATERIALS ARE TO BE KEPT WITHIN THE AREA OF THIS EROSION CONTROL PLAN, THE CONTRACTOR SHALL IDENTIFY WHERE SUCH PRODUCTS ARE STORED.
- THE CONTRACTOR SHALL PREVENT THE CHLORINATED FLUSHING OF THE WATER SYSTEM FROM ENTERING ANY STORM SYSTEM AND/OR CONTAMINATING THE EXISTING SOUS. DISCHARGE SHALL BE PER AGENCY REQUIREMENTS.
- THE CONTRACTOR SHALL FUEL ALL EQUIPMENT/VEHICLES AT A SINGLE LOCATION. THE CONTRACTOR SHALL FREIENT THE SPLLAGE OF ANY FLES AND/OR FETOLELIM FRODUCTS FROM ENTERING THE STORM SYSTEM AND/OR CONTAMINATING THE SOIL. IN THE EVENT OF A SPILL, THE CONTRACTOR SOLL IMMEDIATELY CONTAIN THE AREA AND REPORT THE INCIDENT TO THE GOVERNING AGENCIES.
- 10) THE CONTRACTOR SHALL INSTALL DRAIN INLET FILTERS AT ALL DRAIN INLETS SHOWN ON THIS EROSION CONTROL PLAN.
- THE CONTRACTOR SHALL CONFINE "CLEANUP" OF PAINT, SOLVENTS, ETC. TO AN AREA THAT PREVENTS SUCH CHEMICALS FROM REACHING THE DRAIN INLETS, AND/OR CONTAMINATING THE GROUND.
- 12) ALL DESIGNATED AREAS FOR STORAGE AND WASTE MATERIALS SHALL BE KEPT CLEAN AT ALL TIMES AND SHALL BE DESIGNATED AWAY FROM DRAIN INLETS.
- THE APPLICATION OF PESTICIDES, FERTILIZERS, HERBICIDES, PAINTS, ETC. AND THE PLACEMENT OF CONCRETE SHALL BE AVOIDED PRIOR TO APPROACHING
- THE CLEANING OF STREETS, DRIVEWAYS, ETC. SHALL BE MAXIMIZED BY SWEEPING OR OTHER MECHANICAL METHODS. THE USE OF WATER TO CLEAN OFF STREETS, DRIVEWAYS, ETC. IS HOHLY DISCOMRAGED AND SHALL ONLY BE DONE WHEN APPROPRIATE FILTERS ARE PROVIDED AT ALL DRAIN INLETS AND ALL MATERIA BUILDUP HAS BEEN MECHANICALLY REMOVED.
- THE PLACEMENT OF PORTABLE TOILETS SHALL NOT BE PERMITTED ON THE SIDEWALKS AND/OR STREET RICHT-OF-WAYS. ALL PORTABLE TOILETS SHALL BE PLACED A MINIMUM OF 10 FEET BEHIND THE BACK OF SIDEWALK IN ORDER TO PREVENT SPILLAGE OF SEWAGE, CHEMICALS, ETC. FROM ENTERING THE STORM WATER SYSTEM.
- DURING CONSTRUCTION OF THE INLET STRUCTURES THE CONTRACTOR SHALL PREVENT SILTATION FROM ENTERING THE STORM DRAIN SYSTEM. THE ENDS OF ALL PIPES SHALL BE PROTECTED BY ANY OF THE FOLLOWING OFFIONS.
- SECURING FILTER FABRIC AROUND ALL PIPE OPENINGS.
 SEALING THE END OF PIPES WITH PIPE PLUGS OR WRAPPING THE PIPE
 FUNDS WITH PLASTIC OR CAPPING PIPE ENDS.
 EXTENDING THE PIPE STUBS A MIN. OF 1' (FOOT) ABOVE THE
 SURROUNDING CRADE
 FROVIDE TEMPORARY GRAVEL BAGS OR SAND BAG BARRIERS.
- C)
- THE CONTRACTOR SHALL COVER ALL RAW MATERIAL STOCKPILES (GRADING SPOILS, SAND, ROCK, ETC.) WITH 3 MIL (MIN.) PLASTIC SHEETING OR OTHER ACCEPTABLE EROSION CONTROL BLANKET MATERIAL WITH A SEDIMENT ROLL FERMILETE AT THE BASE IF THE STOCKPILE IS NOT BEING ACTIVETY USED FOR MORE THAN 14 DAYS OR BEFORE AN APPROACHING RAIN OR HEAVY WARD CIENT.
- THE CONTRACTOR SHALL ENSURE THAT ALL CONCRETE, STUCCO, PLASTER, TILE OR MASONEY WORK AT THE SITE WILL BE NEATLY PERFORMED SO AS TO NOT ALLOW "TALLINGS" (SAMD, SIT, SLURRY, CONSTRUCTION WATER, ETC.) TO ENTER THE STORM DRAWN SYSTEM, ADDITIONAL BMP'S MAY BE NEEDED TO CONVINE SUCH ACTIVITIES AND THE GENERAL CONTRACTOR SHALL ENSURE THAT EACH TRADE DISCIPLINE IS AWARE OF THE REDUIREMENTS AND HAS TAKEN ALL NECESSARY STEPS TO PREVENT "TALLINGS" FROM ENTERING THE STORM DRAIN SYSTEM OR LEAVING THE STIE.

NO SCALE



SEDIMENT ROLL NOTES:

- 1) SEDIMENT ROLL(S) SHALL BE USED IN ALL AREAS UNDER CONSTRUCTION WHERE STORM DRAIN SYSTEMS ARE INSTALLED, BUT CONSTRUCTION ACTIVITY IS INCOMPLETE
- INSTALLATION OF SEDIMENT ROLL(S) MAY BE INSTALLED TIGHTLY AGAINST SIDEWALKS AND CURBS AND BACKFILLED BEHIND ROLLS WITHOUT STAKING, STAKING IS REQUIRED IN ALL AREAS THAT THE SEDIMENT ROLL(S) DO NOT TIGHTLY FIT AGAINST A PERMANENT STRUCTURE.
- 3) THE CONTRACTOR SHALL ENSURE THAT THE SITE PERIMETER IS 3-4" BELOW THE EXISTING CURB/SIDEWALK/PAVED SURFACE SO AS TO PROVIDE AN AREA FOR SEDIMENT ROLL PLACEMENT.

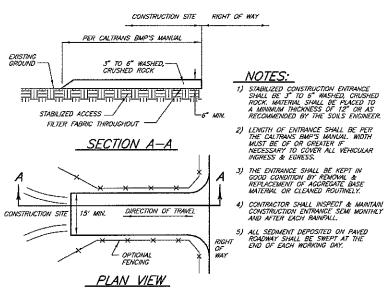


SECTION A-A

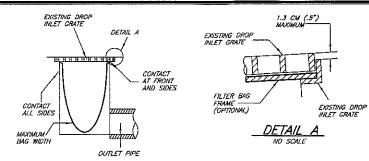
SILT FENCE (3)

SILT FENCE NOTES:

- 1) FILTER BARRIER SHALL BE CONSTRUCTED LONG ENOUGH TO EXTEND ACROSS THE EXPECTED FLOW PATH AND AS APPROVED BY THE ADMINISTRATOR. THE MAXIMUM DISTANCE BETWEEN FILTER BARRIERS SHALL BE 4.5 METERS (14.76 FEET) X THE SLOPE EXPRESSED AS A RATIO.
- 2) FILTER FABRIC SHALL BE PROPYLENE, NYLON, POLYESTER OR ETHYLENE YARN WITH A MINIMUM TENSILE STRENGTH OF 50 LBS. PER LINEAR FOOT AT 20 PERCENT MAXIMUM ELONGATION AND CONTAINING ULTRANOLET INHITORS. FILTER FABRIC SHALL RETAIN A MINIMUM OF 85% OF THE SOIL, BY WEIGHT, BASED ON SIEVE ANALYSIS, BUT IS NOT FINER THAN AN EQUINALENT OPENING SIZE OF 70.
- 3) SUPPORT POSTS SHALL BE A MINIMUM 750MM (30 INCH) LONG 50X50 MM (2"X2") WOOD POSTS OR STEEL FORM STAKES DRIVEN A MINIMUM OF 3,00MM (12 INCHES) INTO THE GROUND, POSTS SHALL BE SPACED A MAXIMUM OF 2 METERS (6 FEET) APART, FABRIC SHALL BE SECURELY FASTENED TO POSTS WITH 13MM (.5 INCH) STAPLES OR 16 GAUGE WIRE TIES SPACED A MAXIMUM OF 150MM (6 INCHES) APART.
- 4) A 100MM (4 INCH) FABRIC TRENCH SHALL BE EXCAVATED ALONG THE UPHILL SIDE OF FILTER BARRIER POSTS. THE BOTTOM EDGE OF THE FABRIC SHALL EXTEND TO AND ACROSS THE BOTTOM OF THE TRENCH. THE TRENCH SHALL BE BACKFILLED TO 100MM (4 INCHES) ABOVE GROUND AND COMPACTED TO BURY AND SECURE THE BOTTOM OF THE FILTER FABRIC.
- 5) CONTRACTER SHALL MAKE INSPECTIONS WEEKLY DURING THE WET SEASON, MONTHLY DURING THE DRY SEASON AND IMMEDIATELY AFTER EACH RAINFALL TO DETERMINE IF REPORTS AND SEDIMENT REMOVED. EXCOURED, SEDIMENT SHALL BE REMOVED BEFORE IT HAS REACHED ONE THIRD THE HEIGHT OF THE FILTER FABRIC.

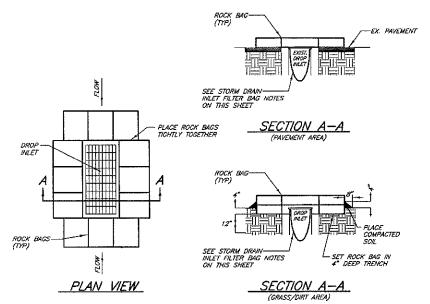


STABILIZED CONSTRUCTION SITE ACCESS



STORM DRAIN INLET FILTER BAG NOTES: 1

- 1) THE MAXIMUM DRAINAGE AREA PER FILTER SHALL BE NO MORE THAN 2 ACRES.
- 2) THE FILTER BMG SHALL BE MANUFACTURED FROM UV RESISTANT POLYPROPYLENE NYLON, POLYESTER, OR ETHYLENE FABRIC WITH A MIN. TENSILE STRENGTH OF SO LBS. PER LINEAL FOOT. AN EQUIVALENT OPENING SIZE NOT GREATER THAN 20 SIEVE AND WITH A MIN. FLOW FAITE OF 40 CALLONS/ MINUTES SO.FT.
- 3) THE FILTER BAG MAY BE SUSPENDED FROM OR HELD IN PLACE BY EXISTING INLET GRATE, PROVIDED NO MODIFICATION OR DAMAGE SHALL BE DONE TO THE INLET GRATE OR FRAME. THE INLET GRATE SHALL NOT BE CAUSED TO REST MORE THAN 1.3CM (.5") ABOVE THE INLET FRAME (SEE DETAIL A.
- 4) THE FILTER BAG MAY EXTEND TO THE BOTTOM OF THE INLET BOX PROVIDED THE OUTLET PIPE IS UNDBSTRUCTED.
- 5) FLOWS SHALL NOT BE ALLOWED TO BYPASS THE FILTER BAG. THE BAG OR ITS FRAME SHALL CATCH FLOWS AT ALL SIDES OF THE INLET EXCEPT AS SHOWN FOR FLOOD RELEASE
- 6) INLET FILTERBAGS SHALL BE INSPECTED WEEKLY AND AFTER EACH RAINFALL EVENT DURING THE WET SEASON AND MONTHLY DURING THE DRY SEASON. SEDMENT AND DEBRIS SHALL BE REMOVED BEFORE ACCUMULATIONS HAVE REACHED ONE THIRD THE DEPH OF THE BAG. BAGS SHALL BE REPARED OR REPLACED AS SOON AS DAMED COCURS.



ROCK BAG INLET FILTER WITHOUT GUTTER (2) NO SCALE

ROCK BAG INLET FILTER WITHOUT GUTTER NOTES:

- 1) ROCK BAGS SHALL BE PLACED TIGHTLY TOGETHER IN A TRENCH EXCAVATED A MINIMUM OF 4 INCHES BELOW THE INLET. ROCK BAGS SHALL BE PLACED WITH BINDING IN A HORIZONTAL POSITION.
- 2) OUTER PERIMETER OF THE ROCK BAGS SHALL BE BACKFILLED AND COMPACTED TO A DEPTH OF APPROXIMATELY FOUR INCHES WITH EXCAVATED MATERIAL.
- 3) CONTRACTOR SHALL MAKE PERIODIC INSPECTIONS TO DETERMINE IF REPAIR OR SEDIMENT REMOVAL IS REQUIRED, SEDIMENT SHALL BE REMOVED WHEN IT HAS BUILT UP TO A DEPTH OF APPROXIMATELY 6
- 4) ROCK BAGS SHALL BE REPLACED WHEN THEY HAVE BEEN DAMAGED OR DECOMPOSED.

CONCRETE WASHOUT NOTES:

- 1) THE CONCRETE WASHOUT SHALL BE AN ABOVE GROUND WASHOUT BOX THAT HAS BEEN APPROVED FOR USE BY THE STATE OF CALIFORNIA & THE LOCAL AGENCY OR SELF CONTAINED CONCRETE TRUCK.
- WASHOUT OF CONCRETE TRUCKS AND/OR CONCRETE MATERIAL SHALL BE IN DESIGNATED AREAS ONLY.
- CONCRETE WASTE SHALL BE DEPOSED OF PROPERLY PER THE STATE OF CALIFORNIA & THE LOCAL AGENCY STANDARDS.





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