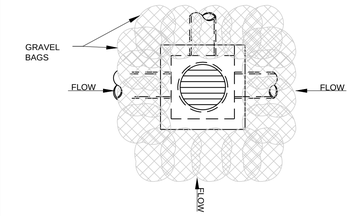
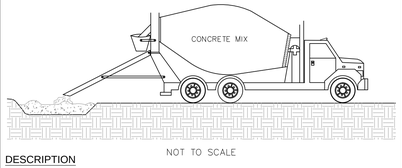


26 DROP INLET SEDIMENT FILTER
N.T.S.



DESCRIPTION

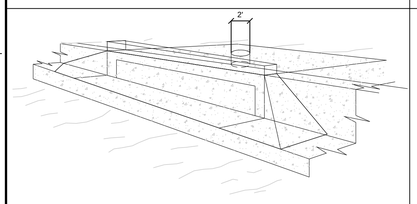
PREVENT OR REDUCE THE DISCHARGE OF POLLUTANTS TO STORM WATER FROM CONCRETE WASTE BY CONDUCTING WASHOUT OFF-SITE, PERFORMING ON-SITE WASHOUT IN A DESIGNATED AREA, AND TRAINING EMPLOYEES AND SUBCONTRACTORS.

APPROACH

THE FOLLOWING STEPS WILL HELP REDUCE STORM WATER POLLUTION FROM CONCRETE WASTES:

- STORE DRY AND WET MATERIALS UNDER COVER, AWAY FROM DRAINAGE AREAS.
- AVOID MIXING EXCESS AMOUNTS OF FRESH CONCRETE OR CEMENT ON-SITE.
- PERFORM WASHOUT OF CONCRETE TRUCKS OFF SITE OR IN DESIGNATED AREAS ONLY.
- DO NOT WASH OUT CONCRETE TRUCKS INTO STORM DRAINS, OPEN DITCHES, STREETS, OR STREAMS.
- DO NOT ALLOW EXCESS CONCRETE TO BE DUMPED ON-SITE, EXCEPT IN DESIGNATED AREAS.
- FOR ON-SITE WASHOUT:
- LOCATE WASHOUT AREA AT LEAST 50' FROM STORM DRAINS, OPEN DITCHES, OR WATER BODIES. DO NOT ALLOW RUNOFF FROM THIS AREA BY CONSTRUCTING A TEMPORARY PIT OR BERMED AREA LARGE ENOUGH FOR LIQUID AND SOLID WASTE.
- WASH OUT WASTES INTO THE TEMPORARY PIT WHERE THE CONCRETE CAN SET, BE BROKEN UP, AND THEN DISPOSED OF PROPERLY.
- WHEN WASHING CONCRETE TO REMOVE FINE PARTICLES AND EXPOSE THE AGGREGATE, AVOID CREATING RUNOFF BY DRAINING THE WATER TO A BERMED OR LEVEL AREA.
- DO NOT WASH SWEEPINGS FROM EXPOSED AGGREGATE CONCRETE INTO THE STREET OR STORM DRAIN. COLLECT AND RETURN SWEEPINGS TO AGGREGATE BASE STOCK PILE, OR DISPOSE IN THE TRASH.

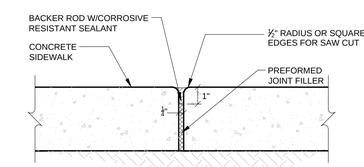
28 CONCRETE WASHOUT
N.T.S.



SPECIFIC APPLICATION

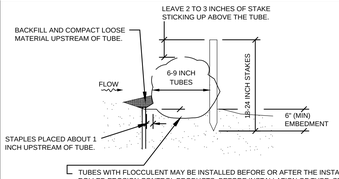
THIS METHOD OF INLET PROTECTION IS APPLICABLE AT CURB INLETS WHERE PONDING IN FRONT OF THE STRUCTURE IS NOT LIKELY TO CAUSE INCONVENIENCE OR DAMAGE TO ADJACENT STRUCTURES AND UNPROTECTED AREAS. * GRAVEL SHALL BE 2"-3" CLEAN STONE

30 GRAVEL CURB INLET SEDIMENT FILTER
N.T.S.



NOTE: ALL LETTERING TO BE SOLID YELLOW REFLECTIVE TRAFFIC PAINT PER DIMENSIONS.

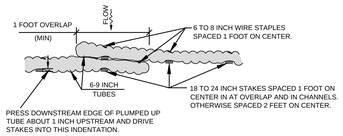
21 YIELD PAVEMENT MARKING
N.T.S.



TUBES WITH FLOCCULENT MAY BE INSTALLED BEFORE OR AFTER THE INSTALLATION OF ROLLED EROSION CONTROL PRODUCTS. BEFORE INSTALLATION OF TUBE, SMOOTH AND SHAPE EARTH SURFACE AND REMOVE ALL STONES, ROOTS, OR OTHER DEBRIS GREATER THAN 2 INCHES IN DIAMETER.

IF INSTALLING TUBE ACROSS A DITCH THEN EXCAVATE A PLACEMENT TRENCH ABOUT 3 INCHES DEEP.

SECTION



PLAN

GENERAL GUIDELINES FOR SPACING OF TUBE TRENCHES FOR SLOPE INSTALLATIONS	
SLOPE GRADIENT	TUBE INTERVAL
1H:1V	15 FEET
2H:1V	25 FEET
3H:1V	35 FEET
4H:1V	50 FEET

GENERAL GUIDELINES FOR SPACING OF TUBE TRENCHES FOR CHANNEL INSTALLATIONS	
SLOPE	TUBE INTERVAL
2%	25 FEET

REPLACE TUBES WITH FLOCCULENT PER MANUFACTURE'S SPECIFICATIONS.

23 FIBER FLOCCULENT TUBE
N.T.S.

DESIGN CRITERIA

AGGREGATE SIZE - USE 2-3 INCH WASHED STONE DIMENSION OF GRAVEL PAD

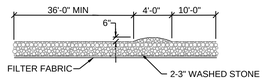
THICKNESS - 6 INCHES MINIMUM

WIDTH - 12 FT. MINIMUM OR FULL WIDTH AT ACCESS POINTS OF THE VEHICULAR ENTRANCE AND EXIT AREA, WHICHEVER IS GREATER

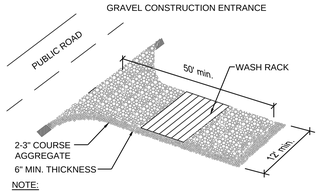
LENGTH - 50 FT. MINIMUM.

LOCATION - LOCATE CONSTRUCTION ENTRANCES AND EXITS TO LIMIT SEDIMENT FROM LEAVING THE SITE AND TO PROVIDE FOR MAXIMUM UTILITY BY ALL CONSTRUCTION VEHICLES. AVOID STEEP GRADES AND ENTRANCES AT CURVES IN PUBLIC ROADS. CONTRACTOR SHALL INSTALL ADDITIONAL GRAVEL CONSTRUCTION ENTRANCES NOT INDICATED ON THE PLANS REQUIRED FOR STAGING AND/OR BORROW AREAS AND MAINTAIN AT NO ADDITIONAL EXPENSE TO THE OWNER. CONTRACTOR SHALL SUPPLEMENT AND MAINTAIN GRAVEL CONSTRUCTION ENTRANCES AT HIS EXPENSE UNTIL FINAL ACCEPTANCE.

GRAVEL ENTRANCE SHALL BE 50 FEET IN LENGTH AND 20 FEET IN WIDTH WITH 20 FOOT RADIUS AT EXISTING ROADWAY



GRAVEL CONSTRUCTION ENTRANCE

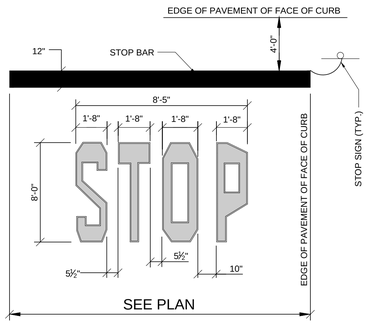


NOTE:
1. PROVIDE TIRE WASH
2. PROVIDE CORRUGATED STEEL PANELS PER CAL-TRANS STANDARDS

25 CONSTRUCTION ENTRANCE / EXIT
N.T.S.

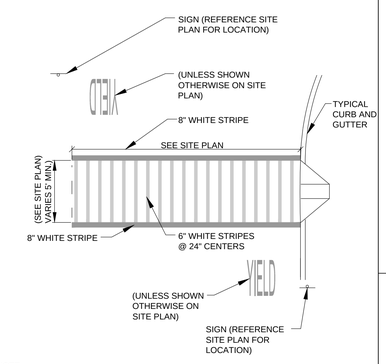
NOTE: 1. EXPANSION JOINTS SHALL BE AT 45 FT. O.C. MAX.
2. EXPANSION JOINTS SHALL BE LOCATED WHERE SIDEWALK ABUTS CONCRETE DRIVEWAYS,CURB OR OTHER ADJACENT STRUCTURES.

16 TYPICAL EXPANSION JOINT
N.T.S.



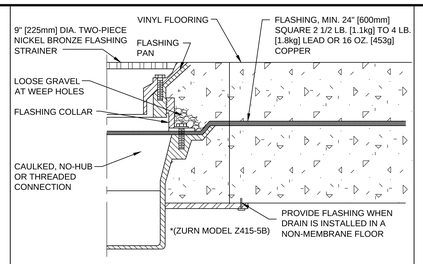
NOTE:
1. WORDS AND ARROWS FOR DRIVEWAYS SHALL BE APPLIED ACCORDING TO REQUIREMENTS AS OUTLINED IN SECTION 3B OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS
2. THESE WORDS AND BAR ARE TO BE PAINTED REFLECTIVE WHITE.

18 STOP PAVEMENT MARKING
N.T.S.

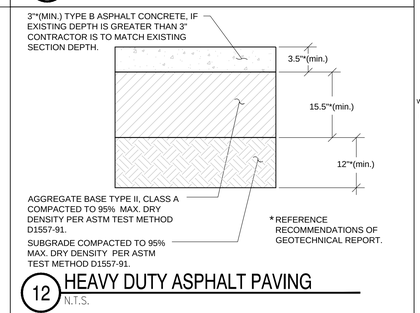


NOTE:
1) MARKINGS FOR STREET SHALL BE ACCORDING TO LOCAL CODE REQUIREMENTS AND AS OUTLINED IN SECTION 3B OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS.
2) MARKINGS WITHIN PRIVATE PARKING LOT SHALL BE PER THIS DETAIL.
3) THESE MARKINGS ARE TO BE PAINTED REFLECTIVE WHITE.

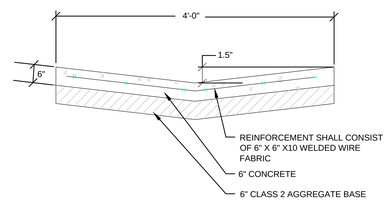
20 CROSSWALK/ PED. CROSSING
N.T.S.



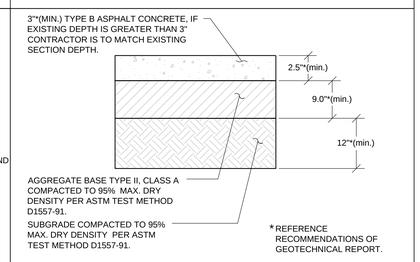
11 TYPE "F" FLOOR DRAIN
N.T.S.



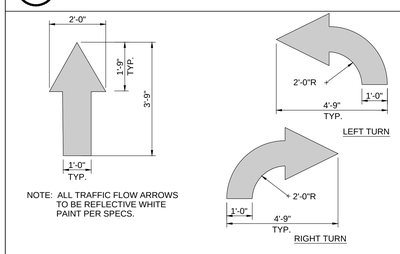
12 HEAVY DUTY ASPHALT PAVING
N.T.S.



13 CONCRETE VALLEY GUTTER
N.T.S.

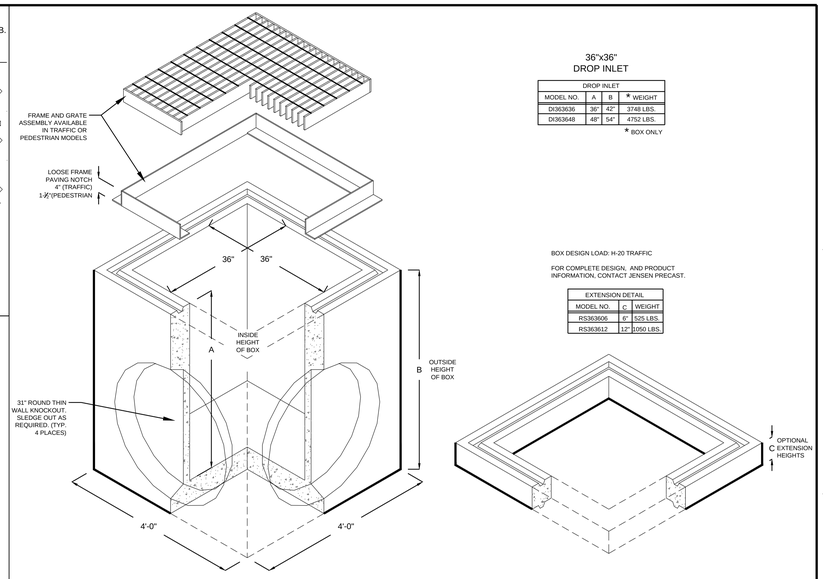


14 REGULAR DUTY ASPHALT PAVING
N.T.S.



NOTE: ALL TRAFFIC FLOW ARROWS TO BE REFLECTIVE WHITE PAINT PER SPECS.

15 TRAFFIC FLOW ARROW
N.T.S.



36"x36" DROP INLET

DROP INLET			
MODEL NO.	A	B	* WEIGHT
DI363636	36"	42"	3748 LBS.
DI363648	48"	54"	4752 LBS.

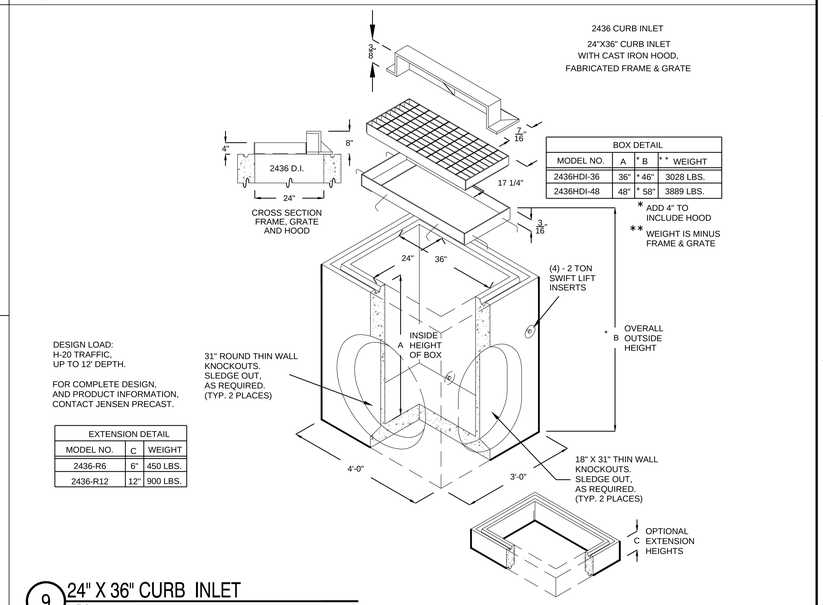
* BOX ONLY

BOX DESIGN LOAD: H-20 TRAFFIC

FOR COMPLETE DESIGN, AND PRODUCT INFORMATION, CONTACT JENSEN PRECAST.

EXTENSION DETAIL		
MODEL NO.	C	WEIGHT
RS363606	6"	525 LBS.
RS363612	12"	1050 LBS.

7 36" X 36" DROP INLET
N.T.S.



BOX DETAIL			
MODEL NO.	A	* B	** WEIGHT
2436HDI-36	36"	* 46"	3028 LBS.
2436HDI-48	48"	* 58"	3889 LBS.

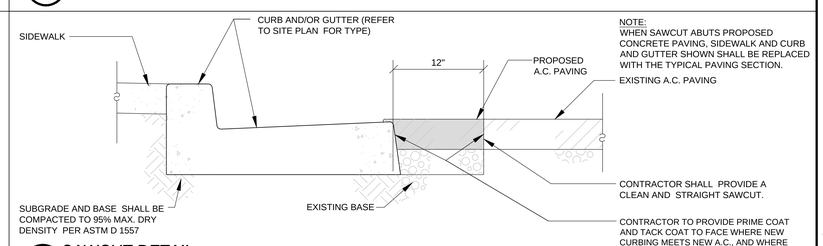
* ADD 4" TO INCLUDE HOOD
** WEIGHT IS MINUS FRAME & GRATE

DESIGN LOAD:
H-20 TRAFFIC,
UP TO 12' DEPTH.

FOR COMPLETE DESIGN, AND PRODUCT INFORMATION, CONTACT JENSEN PRECAST.

EXTENSION DETAIL		
MODEL NO.	C	WEIGHT
2436-R6	6"	450 LBS.
2436-R12	12"	900 LBS.

9 24" X 36" CURB INLET
N.T.S.



NOTE:
WHEN SAWCUT ABUTS PROPOSED CONCRETE PAVING, SIDEWALK AND CURB AND GUTTER SHOWN SHALL BE REPLACED WITH THE TYPICAL PAVING SECTION.

10 SAWCUT DETAIL
N.T.S.

CONSTRUCTION DOCUMENTS - FINAL SUBMISSION

Revisions	Date
----	----

CONSULTANTS:

REGISTERED PROFESSIONAL ENGINEER
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No. 64567
EXPIRES 06/30/2011
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STATE OF CALIFORNIA

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Drawing Title: Details

Approved: Project Director

Project Title: VA Northern California Health Care System Parking Structure

Project Number: 612-CSI-102

Building Number: ----

Location: 10535 Hospital Way, Mather CA 95655

Date: 05/19/2011 | Checked: ECF | Drawn: AF

Drawing Number: C 1000

Dwg. 21 of 122

Office of Construction and Facilities Management

Department of Veterans Affairs

VA FORM 08-6231