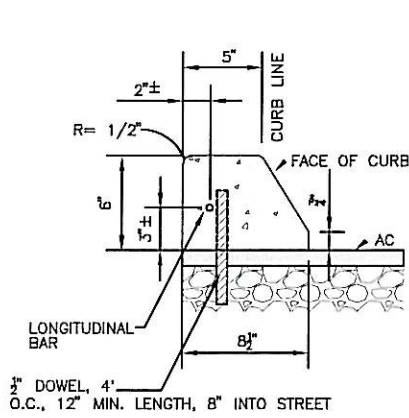


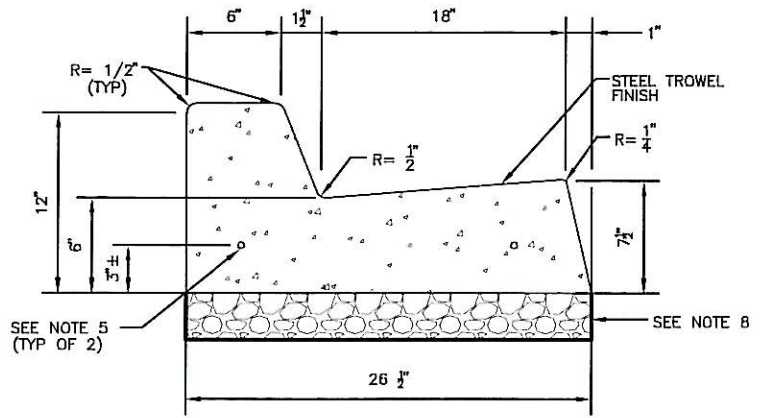
# PART II

## STANDARD PLANS

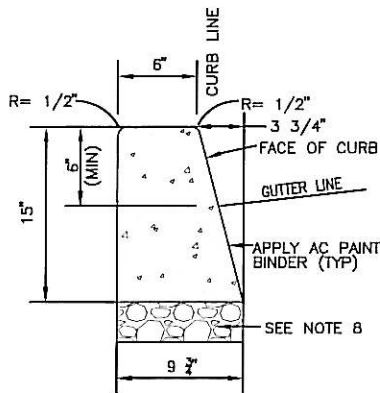
NO.	TITLE	NO.	TITLE
1.	Curbs and Gutters	27.	Requirements Prior to Public Works Acceptance Inspection
1A.	Paving Requirements Adjacent to New Curb & Gutter	28.	Blank
1B.	Cross Gutters	29.	Time Requirements for Air Test of Sanitary Sewer
2.	Sidewalks	30.	Sewer Saddle Connection
3.	Street Structural Sections	31.	Flushing Inlet Frame and Cover
4.	Access Ramps	32.	Flushing Inlet
5.	Residential Driveway Approach	33.	Sewer Lateral
5A.	2/3 Car Garage Driveway Approach	34.	Percolation Pond Detail
5B.	Commercial Driveway Approach	35.	Storm Water Drainage Pond Designs
6.	Driveway Approach for Roll-Type Curb	36.	Concrete Washout Basin
7.	Alley Approach and Section	37.	Street Name Signs
8.	Tree Well	38.	Traffic Signs (Stop-Yield)
9.	Driveway Location Standards	39.	Raised Pavement Markers, Striping and Pavement Markings
10.	City Monument	40.	Not used
11.	Trench Safety Requirements	41.	Parking Standards
12.	Blank	42.	Chain Link Fence
13.	Trench Backfill and Surface Restoration	43.	Masonry Non-Access Wall
14.	Misc. Storm Drain Details	44.	Wooden Barricade
15.	Curb Drain	45.	Wooden Perimeter/Property Line Fence
16.	Type "A" Catch Basin (36")	46.	Street Tree Planting
17.	Type "B" Catch Basin (24")	47.	Slope Grading
18.	Type "C" Catch Basin (36")	48.	Utility Service Pedestal
19.	Type "D" Side Opening Catch Basin	49.	P.C.C. Lighting Foundation
20.	Type "E" Top Opening Catch Basin	50.	Lighting Poles
21.	Type "F" R.C.P Catch Basin	51.	Utility Locations (Typical)
21A.	Storm Drain Markers	52.	Typical Lot Grading
22.	Manhole Frame and Cover	53.	Mail Box Cluster
23.	Manhole Frame and Cover Adjustment	54.	Site Security, Clean-up & Erosion Control
24.	Manholes – Type "A" and "B"	55.	Public Works Inspection Checklist
25.	Manhole – Type "C"		
26.	Cast-In-Place Concrete Pipe		



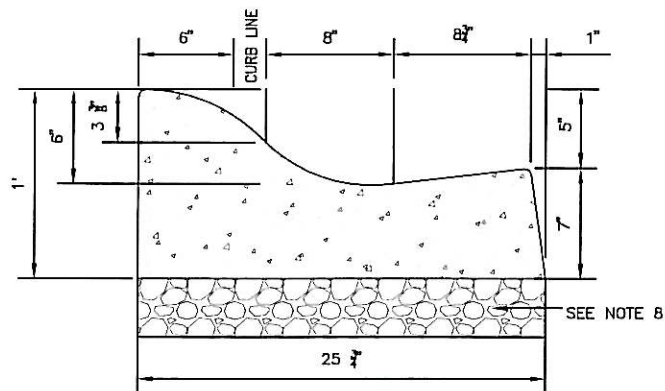
TYPE A



TYPE C  
INTEGRAL CURB & GUTTER



TYPE B



STANDARD ROLL CURB  
USE ONLY TO REPLACE EXISTING ROLL TYPE CURB  
NOT ALLOWED IN NEW DEVELOPMENT

**NOTES:**

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH SECTION 73 OF THE STANDARD SPECIFICATIONS.
2. EXPANSION JOINTS SHALL BE SLIP DOWELED AT CURB RETURNS. (SEE STANDARD PLAN #2)
3. TOP AND FRONT OF ALL CURBS SHALL BE FINE BROOM FINISHED.
4. CURB RETURNS SHALL BE TYPE "C" EXCEPT ADJACENT TO CROSS-GUTTERS, WHERE MODIFIED TYPE C CURB AND APRON SHALL BE USED.
5. CURB AND GUTTER AT COMMERCIAL DRIVEWAYS SHALL HAVE 2-#4 BARS INSTALLED FOR THE WIDTH OF THE DRIVEWAY (HEAVY DUTY TYPE 'C').
6. INSTALL 3/8" EXPANSION JOINTS AT 60' INTERVALS MAX. ON TYPE 'C' CURB. PROVIDE WEAKENED PLANE (SCORE) JOINTS AT 10' INTERVALS.
7. CLASS '2' CONCRETE SHALL BE USED.
8. 4" MINIMUM OF CLASS 2 A.B. OR HIGHER TYPE BASE MATERIALS UNDER ALL CURBS & GUTTERS.
9. AN APPROVED ADHESIVE MAY BE USED IN LIEU OF DOWELS IN TYPE 'A' EXTRUDED CURB FOR PLACEMENT ON EXISTING PAVEMENT. OMIT HORIZONTAL STEEL IN EXTRUDED CURB.
10. WHEN TYPE "C" CURB AND GUTTER IS CONSTRUCTED THE LETTER "S" SHALL BE STAMPED ON TOP OF THE CURB OVER THE SEWER LATERAL CROSSING & THE LETTER "W" OVER WATER SERVICE LATERALS. THE LETTER SHALL BE NOT LESS THAN 3" HIGH, 2" WIDE AND 3/16" DEEP.
11. WHEN NEW PCC IS PLACED, DOWEL AND EPOXY INTO EXISTING CURB AND GUTTER.
12. TOP OF CURB DIMENSION DOES NOT COUNT TOWARDS TOTAL SIDEWALK WIDTH WHEN DETERMINING CONFORMANCE TO ADA STANDARDS.

DEPARTMENT OF PUBLIC WORKS

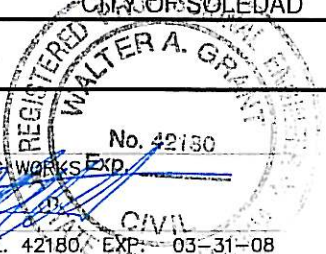
CITY OF SOLEDAD

TITLE: CURBS AND GUTTERS

STANDARD PLAN

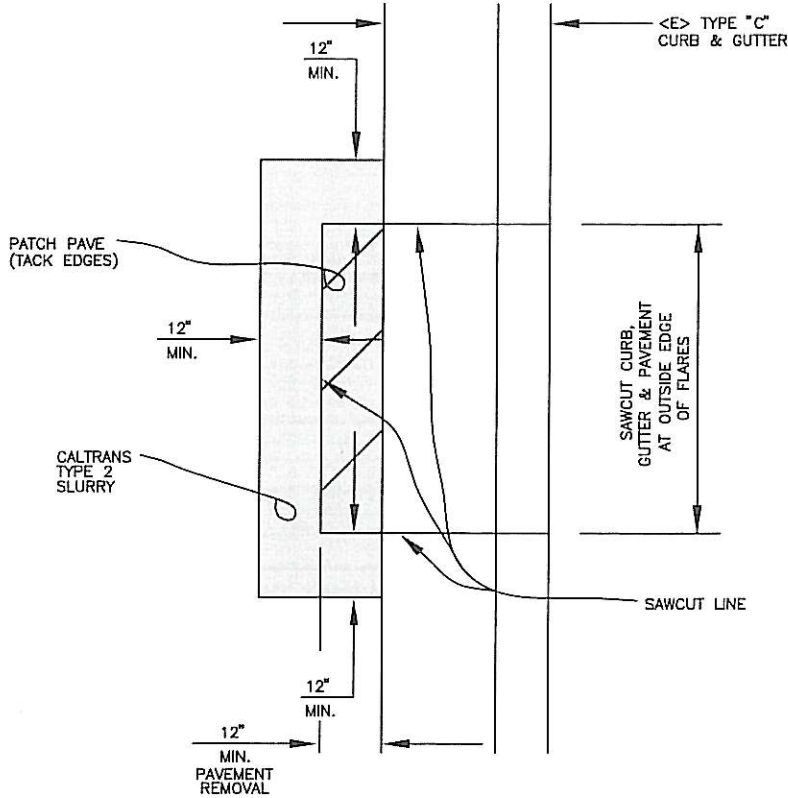
DESIGNED BY:  
WAG  
DRAWN BY:  
CR/AB  
CHECKED BY:  
WAG

APPROVED: *Clifton W Price*  
CLIFTON W. PRICE, DIRECTOR OF PUBLIC WORKS EXP.  
WALTER A. GRANT, CITY ENGINEER - R.E. 42180 EXP. 03-31-08



DATE:  
10/18/07  
10/18/07

1



NOTE:

SAWCUT 1' MINIMUM INTO EXISTING PAVEMENT & TACK EDGES PRIOR TO PATCHING PAVING STREET PAVEMENT TYPICAL. PATCH PAVE WITH AC HOT MIX. AC COLD MIX TO BE USED FOR TEMPORARY PATCHES ONLY.

DEPARTMENT OF PUBLIC WORKS

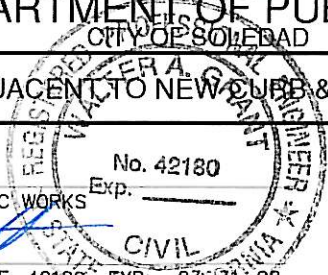
CITY OF SOLEDAD

TITLE: PAVING REQUIREMENTS ADJACENT TO NEW CURB & GUTTER

STANDARD PLAN

DESIGNED BY:  
WAG

APPROVED:  
*Clifton W. Price*  
CLIFTON W. PRICE, DIRECTOR OF PUBLIC WORKS



DATE:  
*10/18/07*

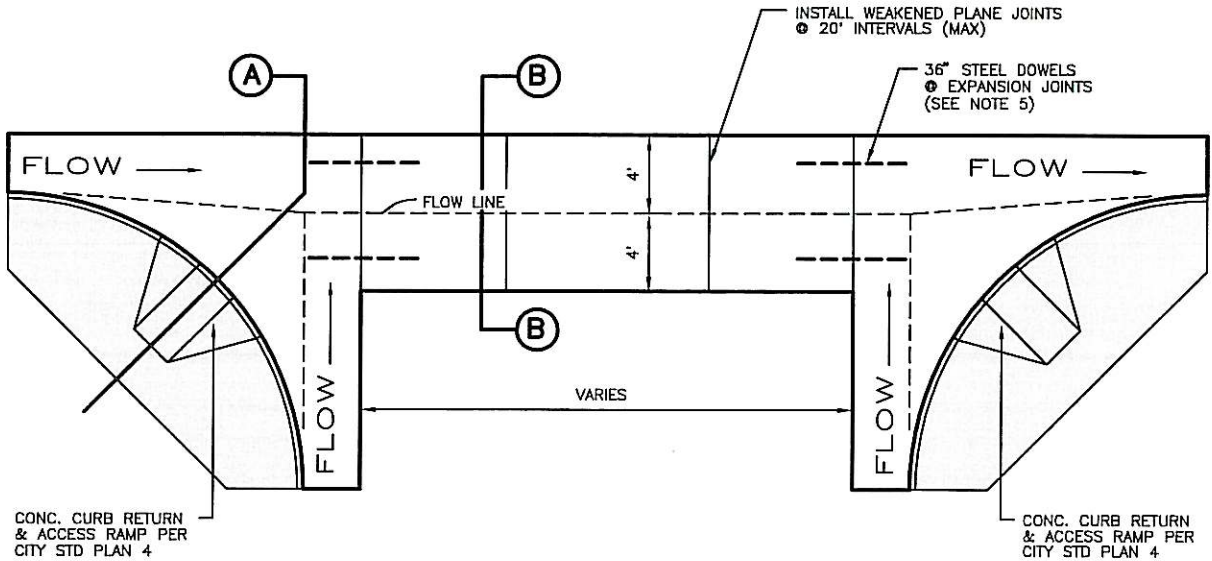
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CHECKED BY:  
WAG

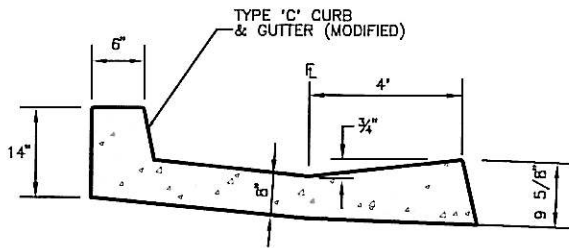
*Walter A. Grant*  
WALTER A. GRANT, CITY ENGINEER - R.E. 42180 EXP: 03-31-08

*10/18/07*

1A

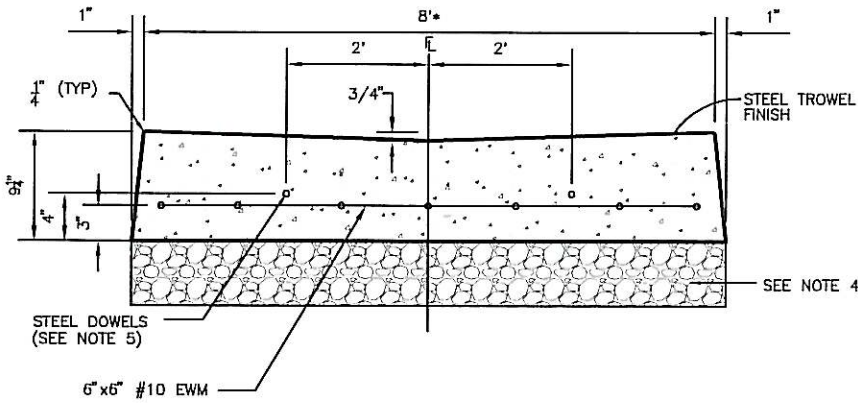


TYPICAL 8' CROSS GUTTER  
NO SCALE



SECTION A-A  
NO SCALE

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH SECTION 73 OF THE STANDARD SPECIFICATIONS.
2. EXPANSION JOINTS SHALL BE SLIP DOWELED AT CURB RETURNS. (SEE STANDARD PLAN #2)
3. CLASS '2' CONCRETE SHALL BE USED.
4. 4" MINIMUM OF CLASS 2 A.B. OR HIGHER TYPE BASE MATERIALS UNDER ALL CURBS & GUTTERS.
5. CROSS GUTTERS SHALL HAVE 2 #4X36" LONG STEEL DOWELS AT MID-DEPTH CENTERED AT EXPANSION JOINT. FOR SLIP DOWEL SEE STANDARD PLAN No. 2.
- \*6. SECTION B-B ALSO APPLIES TO ONSITE CROSS GUTTERS THAT ARE LESS THAN 8' WIDE.



SECTION B-B  
NO SCALE

DEPARTMENT OF PUBLIC WORKS  
CITY OF SOLEDAD

TITLE: CROSS GUTTERS

STANDARD PLAN

DESIGNED BY:  
WAG

DRAWN BY:  
CR/AB

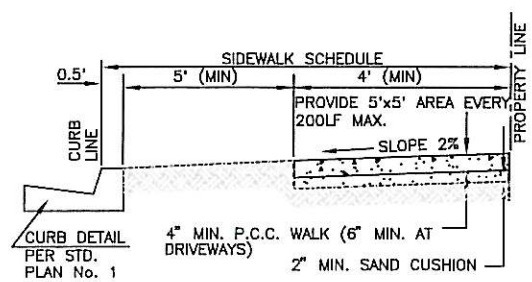
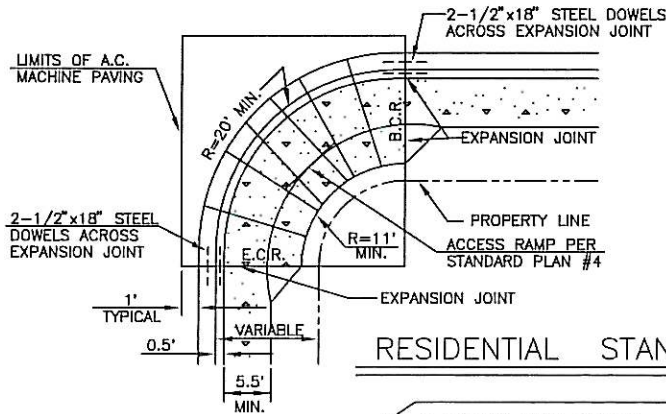
CHECKED BY:  
WAG

APPROVED:  
*Clifton W. Price*  
CLIFTON W. PRICE, DIRECTOR OF PUBLIC WORKS, 42180  
Exp. \_\_\_\_\_

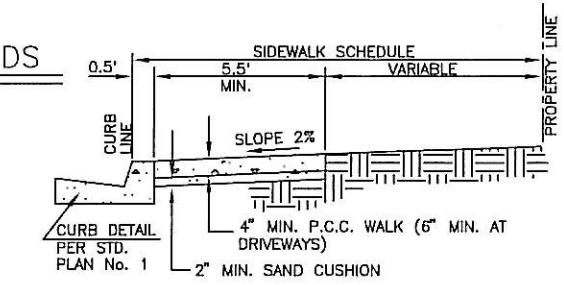
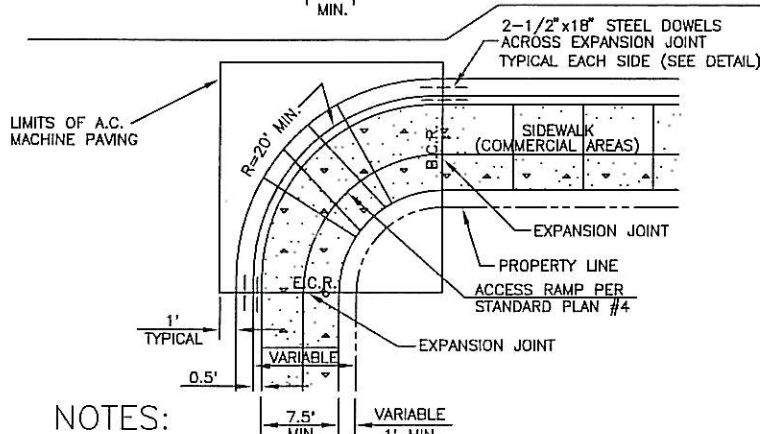
REGISTERED PROFESSIONAL ENGINEER  
WALTER A. GRANT  
STATE OF CALIFORNIA  
R.E. 42180, EXP: 03-31-08

DATE:  
*10/18/07*  
*10/18/07*

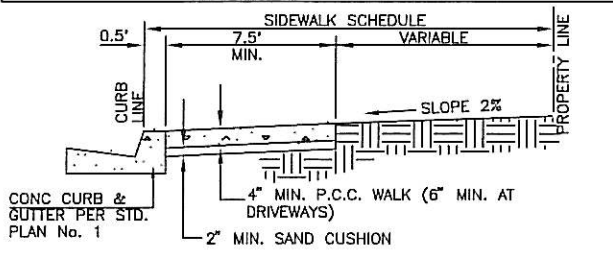
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**RESIDENTIAL STANDARDS**



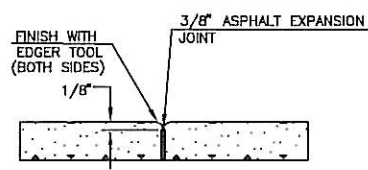
**ALTERNATE RESIDENTIAL SIDEWALK CONFIGURATION**



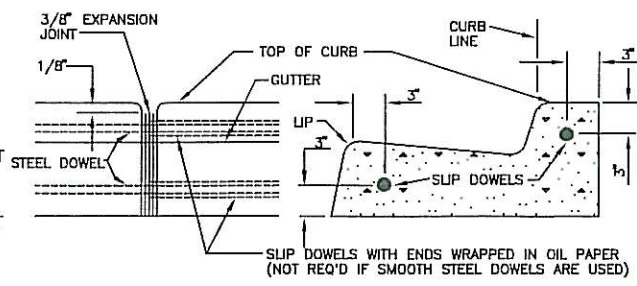
**INDUSTRIAL/COMMERICAL STANDARDS**

**NOTES:**

1. CONCRETE SIDEWALK SHALL BE 7.5 FEET MINIMUM IN COMMERCIAL AREAS AND 5.5 FEET MINIMUM IN RESIDENTIAL AREAS FOR MONOLITHIC SIDEWALK. SEE "SIDEWALK" PER CITY OF SOLEDAD STANDARDS. DETACHED SIDEWALK SHALL BE 5' MIN. WIDTH OR 4' MIN. WIDTH WITH 5'x5' AREA PROVIDED EVERY 200' MAX. SPACING.
2. ALL SIDEWALK TO BE ONE COURSE, CLASS '3' P.C.C. AND FINE BROOMED FINISHED. CLASS 2 PCC TO BE USED AT DRIVEWAYS.
3. ASPHALT EXPANSION JOINTS SHALL BE PLACED MATCHING THOSE INSTALLED IN THE CURB AND GUTTER WITH A MAXIMUM SPACING OF 60 FEET AND WHEREVER SIDEWALK ADJOINS EXISTING BUILDING AND SIDEWALK.
4. ASPHALT EXPANSION JOINT SHALL BE COMPOSED OF ASPHALT, FIBER, AND MINERAL FILLER PRE-MOLDED INTO SHEETS WITH ASPHALT IMPREGNATED LINERS ON BOTH SIDES AND SHALL CONFORM WITH ASTM 1751 AND AASHTO M-33-48 SPECIFICATIONS.
5. SLIP DOWELS PER DETAIL AT B.C.R. AND E.C.R.
6. CONTRACTOR SHALL STAMP HIS NAME, MONTH AND YEAR OF CONSTRUCTION ON SIDEWALK A MINIMUM OF ONCE PER CONSTRUCTION AND ONCE PER EACH 500 SQUARE FEET. MONTH AND YEAR MAY BE STAMPED IN NUMBERS.
7. ALL DIMENSIONS AS SHOWN UNLESS OTHERWISE SPECIFIED ON PLANS.
8. ACCESS RAMP PER STANDARD PLAN No. 4.
9. OTHER SIDEWALK CONFIGURATIONS MAY BE CONSTRUCTED WITH PRIOR APPROVAL BY THE CITY ENGINEER.
10. SIDEWALK SHALL BE PLACED SEPARATELY FROM CURB AND GUTTER.
11. SIDEWALK SHALL HAVE SCORE LINES EVERY 16 S.F. - 22 S.F. MAX AT 4' INTERVALS AND PROPORTIONAL OR AS PREVIOUSLY APPROVED BY THE PUBLIC WORKS DIRECTOR.
12. COMPACT SUBGRADE TO 95% REL COMPACTION (MIN). AT THE REQUEST OF THE CONTRACTOR OR PROPERTY OWNER FOR SMALL PROJECTS, THE PUBLIC WORKS DIRECTOR OR CITY ENGINEER MAY WAIVE THE COMPACTION TESTING REQUIREMENT IF SUBGRADE APPEARS STABLE.
13. WHEN PLACING NEW PCC, DOWEL AND EPOXY INTO EXISTING SIDEWALK.
14. SIDEWALK WIDTH DOES NOT INCLUDE TOP OF CURB WHEN DETERMINING COMPLIANCE WITH ADA REQUIREMENTS.
15. SIDEWALK SHALL BE POURED SEPARATELY FROM CURB AND GUTTER.



**TYPICAL SIDEWALK EXPANSION JOINT**



**TYPICAL DOWEL DETAIL AT CURB RETURNS**

**DEPARTMENT OF PUBLIC WORKS**

CITY OF SOLEDAD



TITLE: SIDEWALKS

STANDARD PLAN

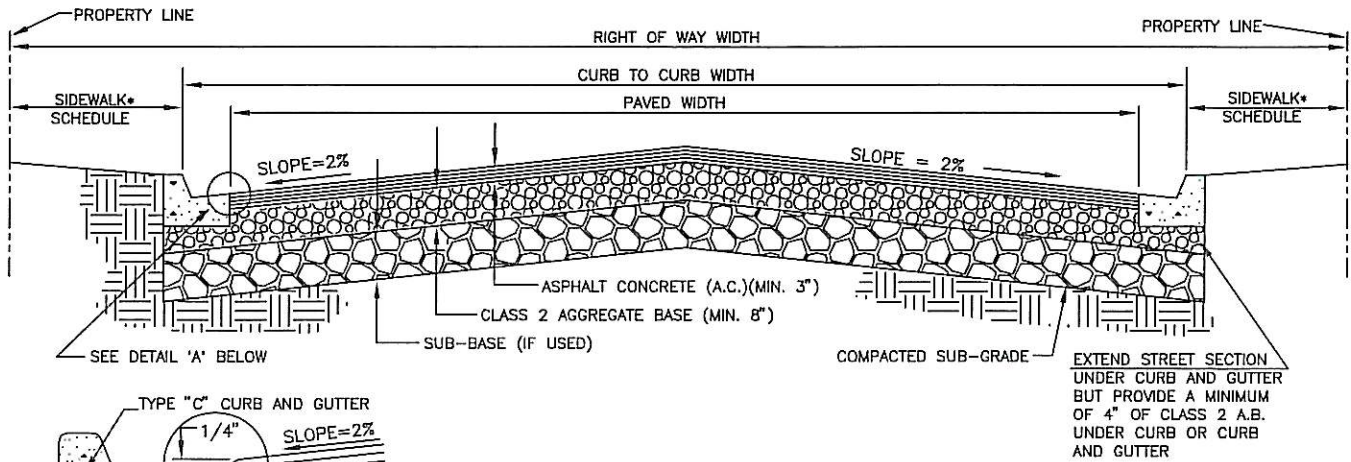
DESIGNED BY: WAG  
 DRAWN BY: CR/AB  
 CHECKED BY: WAG

APPROVED: Clifton W. Price  
 CLIFTON W. PRICE, DIRECTOR OF PUBLIC WORKS

DATE: 10/18/07  
 10/18/07

WALTER A. GRANT, CITY ENGINEER - R.E. 42180 EXP: 10-31-08

2



**TYPICAL CROSS SECTION  
FLEXIBLE PAVEMENT**

\*TOP OF CURB WIDTH SHALL NOT BE INCLUDED IN OVERALL SIDEWALK WIDTH WHEN DETERMINING COMPLIANCE WITH ADA STANDARDS.

**NOTES:**

STREET RIGHT-OF-WAY WIDTHS AND SCHEDULES SHALL BE BASED UPON CURRENT CITY STANDARDS, PUD, SPP AND TENTATIVE MAP MAP CONDITIONS OF APPROVAL FOR DESIGNATION OF STREET CLASSIFICATIONS.

PAVEMENT STRUCTURAL SECTIONS SHALL BE DETERMINED BY THE CALTRANS FLEXIBLE PAVEMENT DESIGN METHODS, BASED UPON THE R-VALUES OF SUBGRADE MATERIALS AND THE TRAFFIC INDEX. IN NO CASE SHALL FLEXIBLE PAVEMENT SECTIONS BE LESS THAN 3 INCHES OF ASPHALT CONCRETE OVER 8 INCHES OF CLASS "1" AGGREGATE BASE.

R-VALUE TESTS ON SUBGRADE MATERIALS SHALL BE PERFORMED BY THE DEVELOPER'S GEOTECHNICAL ENGINEER. ADDITIONAL R-VALUE TESTS SHALL BE PERFORMED BY DEVELOPER'S GEOTECHNICAL ENGINEER.

TRAFFIC INDEX (T.I.) VALUES FOR COLLECTOR, INDUSTRIAL, AND ARTERIAL STREETS SHALL BE BASED UPON PROJECTED 20 YEAR VOLUMES AND SHALL BE NO LESS THAN THE MINIMUM VALUES SET BY THE PUBLIC WORKS DIRECTOR FOR THE VARIOUS STREET CLASSIFICATIONS.

MINIMUM TRAFFIC INDEX FOR TYPICAL RESIDENTIAL STREETS SHALL BE IN ACCORDANCE WITH THE FOLLOWING:

CUL-DE-SACS OR OTHER SINGLE ENTRANCE STREETS WHICH PROVIDE ACCESS TO A MAXIMUM OF 16 DWELLING UNITS (AT FULL DEVELOPMENT) SHALL BE ASSIGNED A MINIMUM TRAFFIC INDEX OF 5.

MINOR RESIDENTIAL STREETS WHICH PROVIDE ACCESS TO 17 TO 100 UNITS SHALL BE ASSIGNED A MINIMUM TRAFFIC INDEX OF 6 OR MORE.

A MINIMUM TRAFFIC INDEX OF 7 SHALL BE ASSIGNED TO OTHER RESIDENTIAL STREETS WITH 2 OR MORE ENTRANCES AND WHICH SERVE AS COLLECTORS OF TRAFFIC OF ADJACENT STREETS

A MINIMUM TRAFFIC INDEX OF 8 SHALL BE ASSIGNED TO STREETS WHICH ARE ANTICIPATED TO BE SUBJECT TO BUS TRAFFIC, OR CONSTRUCTION HAUL ROUTE TRAFFIC.

OTHER RESIDENTIAL STREETS WHICH SERVE AS A COLLECTOR FOR THROUGH TRAFFIC FROM ADJACENT SUBDIVISIONS, MAJOR TRAFFIC GENERATORS, AND/OR OTHER COLLECTOR OR ARTERIAL STREETS SHALL BE ASSIGNED TRAFFIC INDEX VALUES BY THE PUBLIC WORKS DIRECTOR BASED ON SUGGESTED TRAFFIC INDICES PROVIDED BY A REGISTERED TRAFFIC ENGINEER AT THE COST OF THE DEVELOPER.

FLEXIBLE PAVEMENT DESIGNS WITH ALTERNATIVE MATERIALS AND THICKNESS OR RIGID PAVEMENT DESIGNS MAY BE SUBMITTED FOR APPROVAL OF THE CITY ENGINEER. THE ALTERNATIVE DESIGNS SHALL BE SIGNED AND STAMPED BY A CALIFORNIA REGISTERED CIVIL OR GEOTECHNICAL ENGINEER.

ANY NEW PAVEMENT WHICH EXHIBITS CRACKING SHALL BE REMOVED AND REPLACED OR SEAL COATED WITH MICRO-SURFACING AT THE REQUEST OF THE CITY ENGINEER, THE DURABILITY OF THE AFFECTED PAVEMENT SHALL BE ANALYZED BY A REGISTERED CIVIL OR GEOTECHNICAL ENGINEER AND THE ANALYSIS SIGNED AND STAMPED.

FOG SEAL SHALL BE APPLIED TO PAVEMENT BEFORE ACCEPTANCE OF STREETS BY CITY.

**DEPARTMENT OF PUBLIC WORKS  
CITY OF SOLEDAD**

**TITLE: STREET STRUCTURAL SECTIONS**

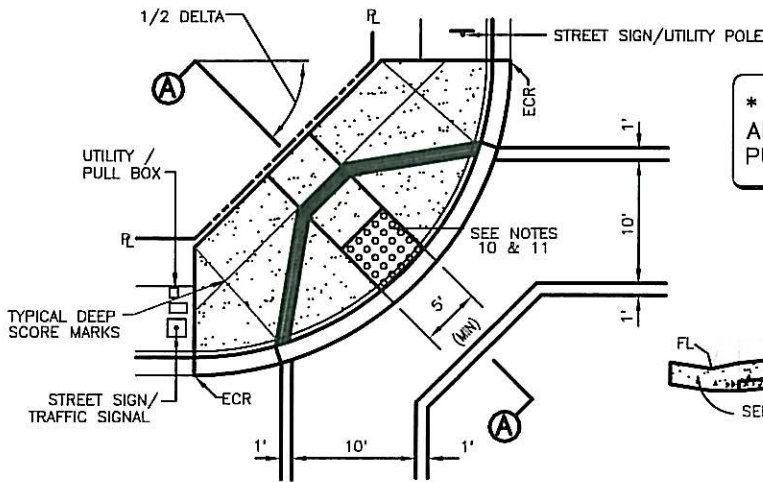
STANDARD PLAN

DESIGNED BY:  
WAG  
DRAWN BY:  
CR/AB  
CHECKED BY:  
WAG

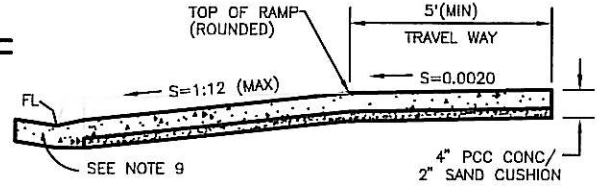
APPROVED:  
*Clifton W. Price*  
CLIFTON W. PRICE, DIRECTOR OF PUBLIC WORKS  
*Walter A. Grant*  
WALTER A. GRANT, CITY ENGINEER - R.E. 42180 EXP: 03-31-08

REGISTERED PROFESSIONAL ENGINEER  
WALTER A. GRANT  
DATE: 10/18/07  
No. 42180  
Exp. 03-31-08  
CIVIL

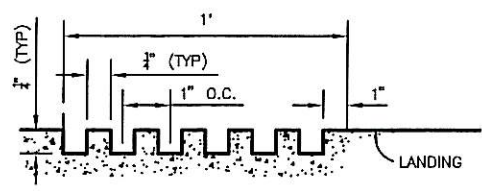
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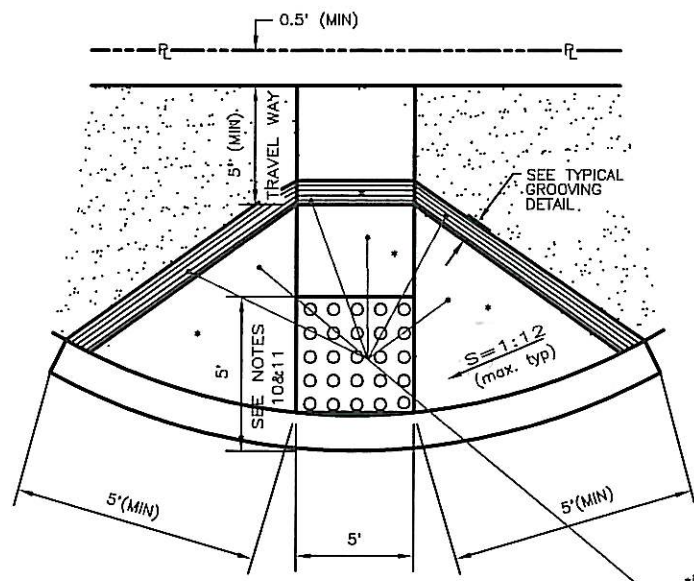
\* ALTERNATIVE LOCATIONS/CONFIGURATIONS ARE SUBJECT TO PRIOR APPROVAL BY THE PUBLIC WORKS DIRECTOR



ACCESS RAMP & X-WALK DETAIL  
NO SCALE



TYPICAL GROOVING DETAIL  
NO SCALE



TYPICAL DIMENSIONING DETAIL  
NO SCALE

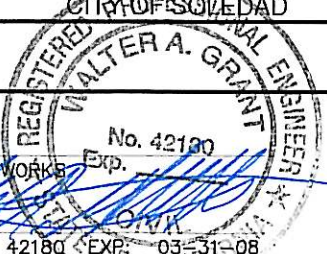
NOTES:

1. ACCESS RAMP SHALL BE MONOLITHIC, CLASS 3 P.C.C. 4" THICK WITH 2" SAND CUSHION, AND WITH A COARSE BROOM FINISH.
2. WIDTH OF SIDEWALK AND RADIUS OF CURB RETURN SHALL BE PER CONSTRUCTION DRAWINGS.
3. CURB AND GUTTER SHALL BE PER STANDARD PLAN NO. 1.
4. SIDEWALK SHALL BE PER STANDARD PLAN NO. 2.
5. THE CURB RAMP SHALL BE OUTLINED WITH A 1.0' GROOVED BORDER IN ALL CASES - AS SHOWN & DETAILED.
6. TYPE B CURB WILL BE REQUIRED WHERE GRADE DIFFERENTIAL BETWEEN BACK OF WALK AND PROPERTY LINE IS 4" OR MORE.
7. SCORE LINES SHALL BE PROVIDED FOR EVERY 16 S.F. - 22 S.F. (MAX) OF CONCRETE OR AS DIRECTED BY THE PUBLIC WORKS DIRECTOR.
8. ALTERNATE RAMP LOCATIONS AND CONFIGURATIONS REQUIRE PRIOR APPROVAL BY PUBLIC WORKS DIRECTOR BEFORE CONSTRUCTION.
9. MAXIMUM SLOPES OF ADJOINING GUTTERS, THE ROAD SURFACE IMMEDIATELY ADJACENT TO THE CURB RAMP AND CONTINUOUS PASSAGE TO THE CURB RAMP SHALL NOT EXCEED 5% WITHIN 4' OF THE TOP OR BOTTOM OF THE CURB RAMP.
10. CURB RAMPS SHALL HAVE A DETECTABLE WARNING SURFACE THAT EXTENDS THE FULL WIDTH AND 3' DEPTH OF THE RAMP MIN. DETECTABLE WARNING SURFACES SHALL CONFORM TO THE DETAILS SHOWN ON THE MOST CURRENT CALTRANS STANDARD PLANS No. AB8A, AND THE SPECIAL PROVISIONS THEREOF.
11. THE EDGE OF THE DETECTABLE WARNING SURFACE NEAREST THE STREET SHALL BE BETWEEN 6"-8" FROM THE GUTTER FLOWLINE.
12. RELOCATE ALL UTILITY AND OTHER STRUCTURES WHERE PRACTICABLE WITHIN RAMP/CURB RETURN.
13. ADA STANDARDS AND REQUIREMENTS SUPERSEDE ALL INFORMATION SHOWN ON THIS PLAN.
14. SCORING SUBJECT TO APPROVAL ON A CASE-BY-CASE BASIS, PRIOR TO CONCRETE PLACEMENT.

\*RAMP FLARES AND RAMP BETWEEN GROOVING AND DETECTABLE WARNING SURFACE SHALL BE DARK GREY STAIN ON CONCRETE OR DARK GREY OR OTHER SUFFICIENTLY CONTRASTING COLORED CONCRETE OR SURFACE TEXTURE CHANGE, ALL IN CONFORMANCE WITH ADA REQUIREMENTS FOR 70% CONTRAST.

DEPARTMENT OF PUBLIC WORKS

CITY OF SOLEDAD



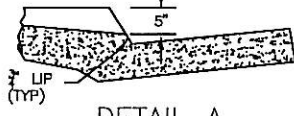
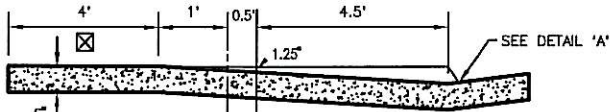
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DESIGNED BY: WAG	APPROVED: <i>Clifton W. Price</i> CLIFTON W. PRICE, DIRECTOR OF PUBLIC WORKS	DATE: <i>10/18/07</i>
DRAWN BY: CR/AB	WALTER A. GRANT, CITY ENGINEER - R.E. 42180 EXP. 03-31-08	<i>WAG</i>
CHECKED BY: WAG		

4

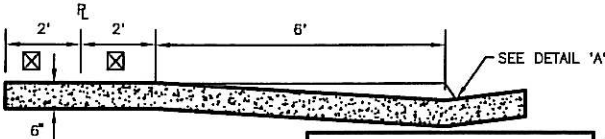




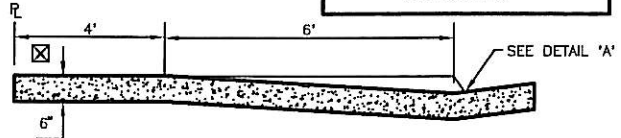
☒ DENOTES UNOBSTRUCTED PEDESTRIAN LANDING AREA PER ADA REQUIREMENTS. INCREASE TO 5' MIN. WIDTH IF REQUIRED TO COMPLY WITH ADA REQUIREMENT TO PROVIDE A MIN. 5'x5' SPACE AT 200' MAX. LF SPACING.



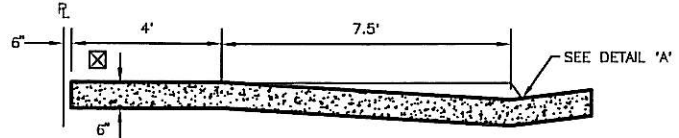
**5 FOOT PATTERN**  
(SEE NOTE 3)



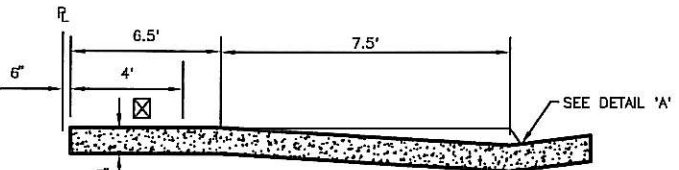
**8 FOOT PATTERN**  
(SEE NOTE 3)



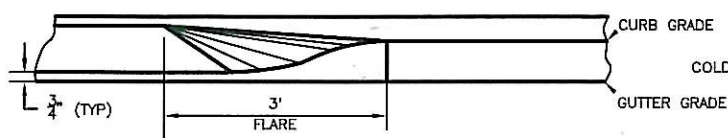
**10 FOOT PATTERN**



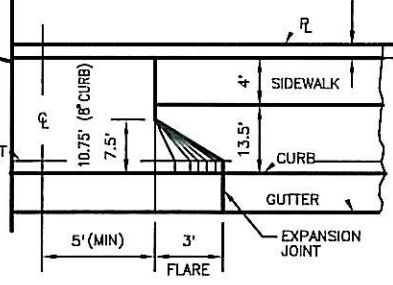
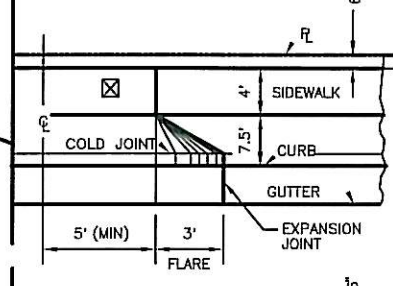
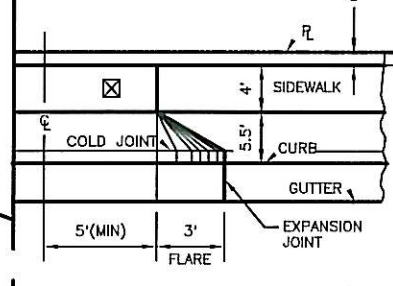
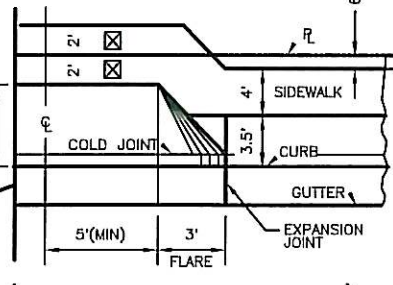
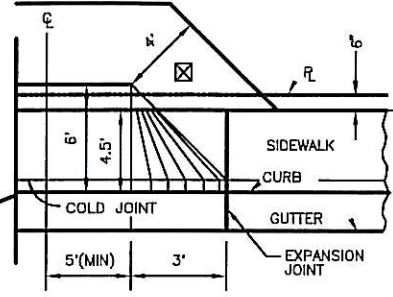
**12 FOOT PATTERN**



**14 FOOT PATTERN**



**ELEVATION**



**DETAIL A**

**NOTES:**

1. FOR CURB AND GUTTER DETAILS SEE STD PLAN 1.
2. CONCRETE SHALL BE CLASS 2 FOR DRIVEWAYS, CLASS 3 FOR SIDEWALK OUTSIDE OF DRIVEWAYS.
3. RETROFITS REQUIRE PRIOR APPROVAL OF CITY ENGINEER.
4. CONSTRUCT WEAKENED PLANE JOINT ON CENTERLINE WHEN WIDTH IS 10 FEET OR GREATER.
5. APRON MAY BE EXTENDED TO THE NEAREST SCORE LINE GREATER THAN THE MINIMUM DISTANCE FROM THE CURB. MAXIMUM APRON SLOPE IS 0.9" PER FOOT.
6. TOP OF CURB SHALL NOT BE INCLUDED IN SIDEWALK WIDTH WHEN DETERMINING COMPLIANCE WITH ADA REQUIREMENTS.

**DEPARTMENT OF PUBLIC WORKS**  
CITY OF SOLEDAD

**TITLE: RESIDENTIAL DRIVE APPROACH**

STANDARD PLAN

DESIGNED BY:  
WAG  
DRAWN BY:  
CR/AB  
CHECKED BY:  
WAG

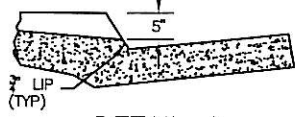
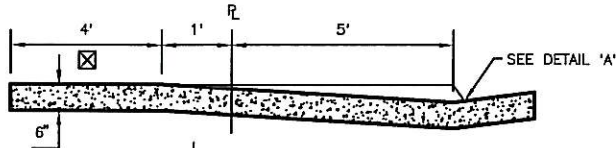
APPROVED:  
*Clifton W. Price*  
CLIFTON W. PRICE, DIRECTOR OF PUBLIC WORKS



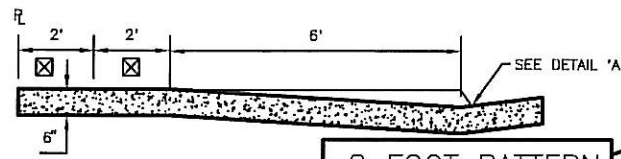
WALTER A. GRANT, CITY ENGINEER - R.E. 42180 EXP: 03-31-08

**5A**

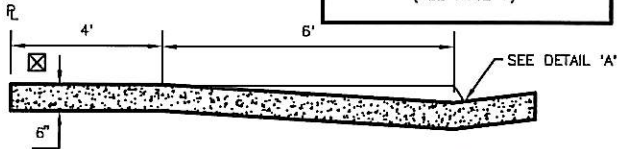
☒ DENOTES UNOBSTRUCTED PEDESTRIAN LANDING AREA PER ADA REQUIREMENTS. INCREASE TO 5' MIN. WIDTH IF REQUIRED TO COMPLY WITH ADA REQUIREMENTS TO PROVIDE A MIN. 5'x5' SPACE AT 200' MAX. LF SPACING.



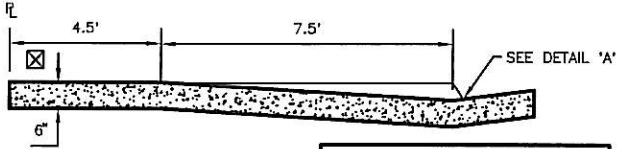
**5 FOOT PATTERN**  
(SEE NOTE 3)



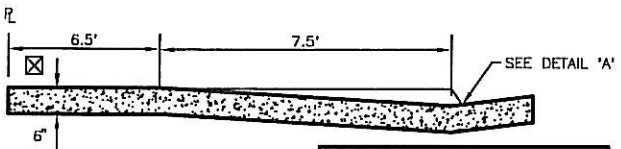
**8 FOOT PATTERN**  
(SEE NOTE 3)



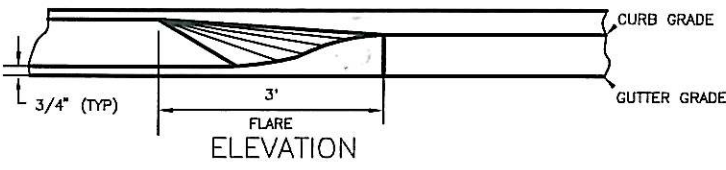
**10 FOOT PATTERN**



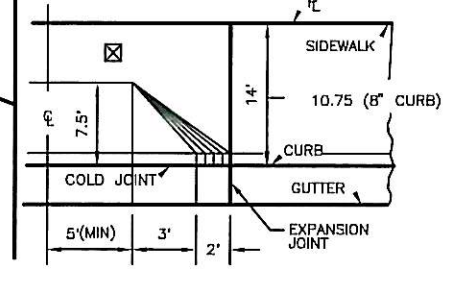
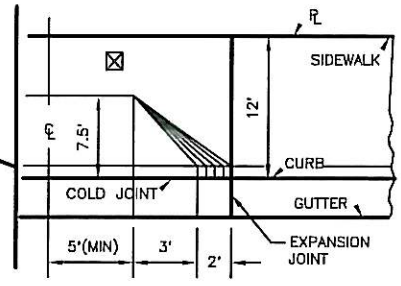
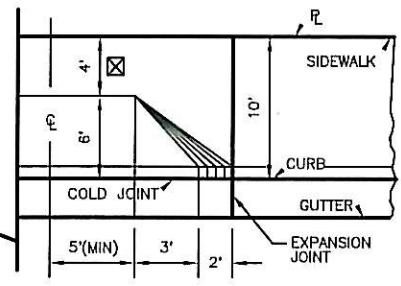
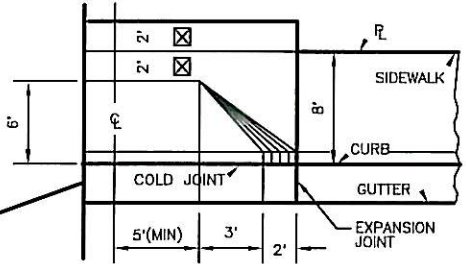
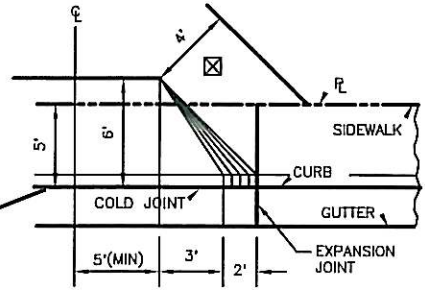
**12 FOOT PATTERN**



**14 FOOT PATTERN**



ELEVATION



DETAIL A

**NOTES:**

1. FOR CURB AND GUTTER DETAILS SEE STD PLAN 1.
2. CONCRETE SHALL BE CLASS 2 FOR DRIVEWAYS, CLASS 3 FOR SIDEWALK OUTSIDE LIMIT OF DRIVEWAYS.
3. RETROFITS AND/OR APPROVAL OF CITY ENGINEER.
4. CONSTRUCT WEAKENED PLANE JOINT ON CENTERLINE WHEN WIDTH IS 10 FEET OR GREATER.
5. APRON MAY BE EXTENDED TO THE NEAREST SCORE LINE GREATER THAN THE MINIMUM DISTANCE FROM THE CURB. MAXIMUM APRON SLOPE IS 0.9" PER FOOT.
6. TOP OF CURB SHALL NOT BE INCLUDED IN SIDEWALK WIDTH WHEN DETERMINING COMPLIANCE WITH ADA REQUIREMENTS.

**DEPARTMENT OF PUBLIC WORKS**  
CITY OF SOLEDAD

**TITLE: COMMERCIAL DRIVE APPROACH**

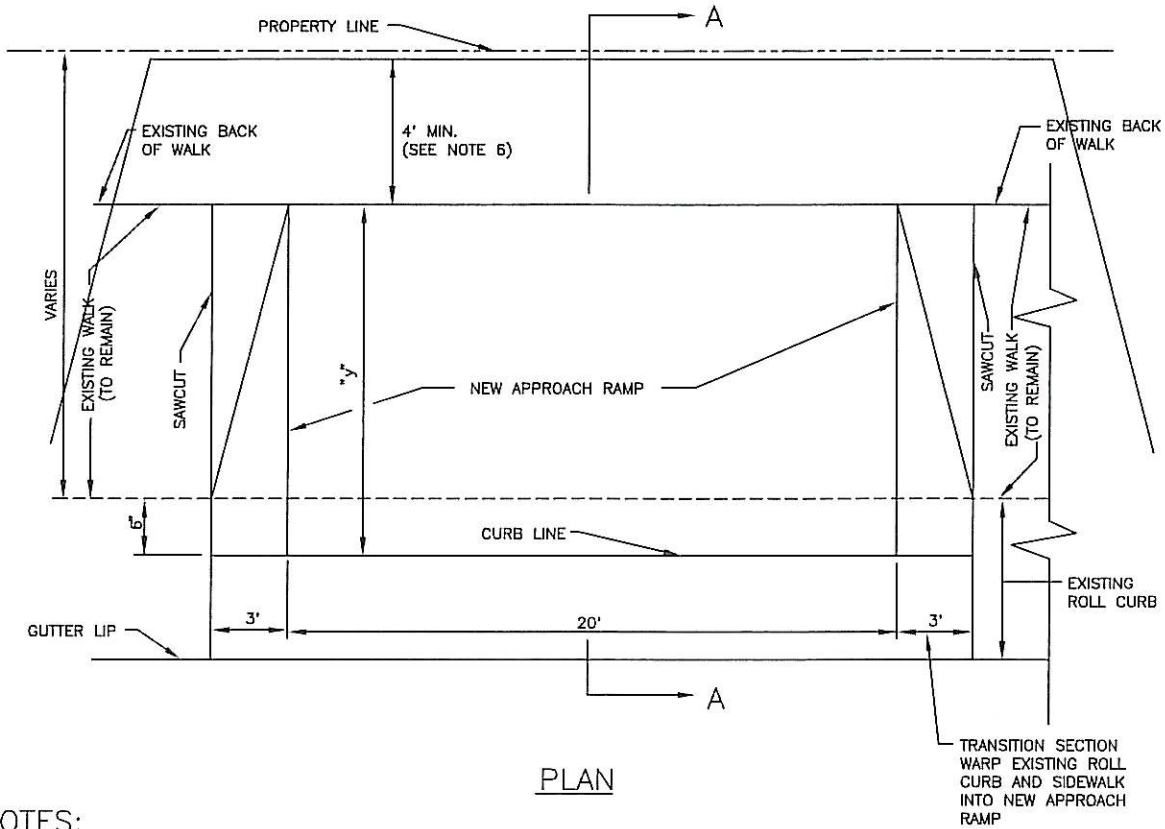
STANDARD PLAN

DESIGNED BY: WAG  
DRAWN BY: CR/AB  
CHECKED BY: WAG

APPROVED: *Clifton W. Price*  
CLIFTON W. PRICE, DIRECTOR OF PUBLIC WORKS  
*Walter A. Grant*  
WALTER A. GRANT, CITY ENGINEER - R.E. 42180 EXP: 03-31-08

REGISTERED PROFESSIONAL ENGINEER  
WALTER A. GRANT  
No. 42180  
Exp. 10/18/07  
CIVIL

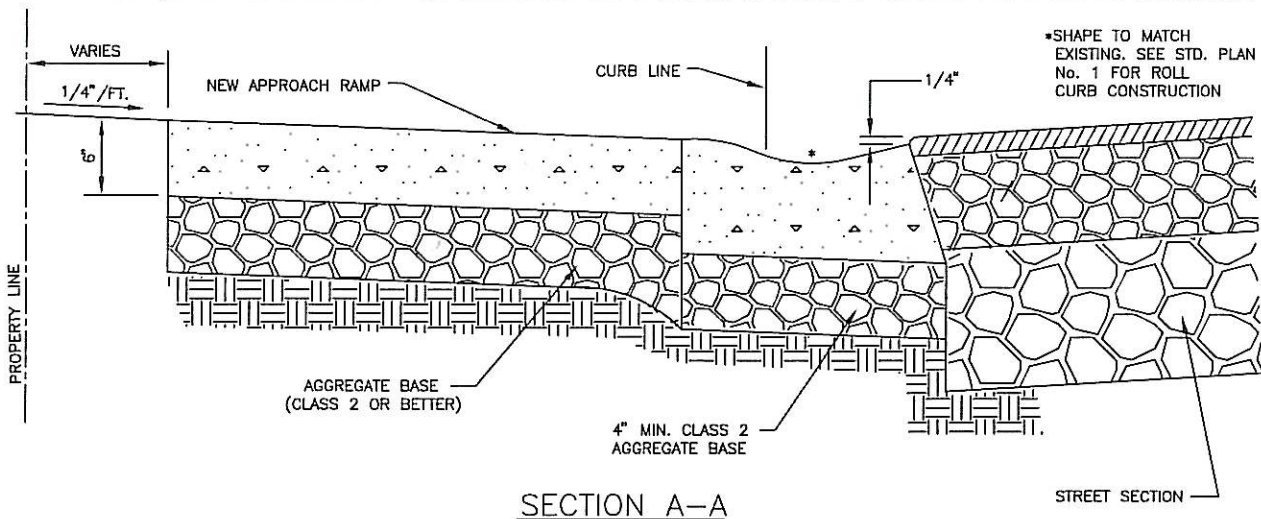
**5B**



PLAN

NOTES:

1. "y" SHALL EXTEND TO THE FRONT EDGE OF THE SIDEWALK BUT SHALL NOT BE LESS THAN 4 FEET UNLESS OTHERWISE SPECIFIED.
2. IF SIDEWALK IS ADJACENT TO CURB "y" SHALL EXTEND TO BACK OF WALK.
3. AFTER REMOVING EXISTING SECTIONS AND CLEANING UP DEBRIS, WET, ROUGHEN WITH WIRE BRUSH, AND APPLY BRUSH COAT OF NEAT CEMENT ON ALL JOIN SURFACES BEFORE REPOURING SECTION PER PLAN.
4. CONCRETE SHALL BE CLASS 2 FOR APPROACH RAMP AND CLASS "II" FOR ROLL TYPE CURB PER STANDARD SPECIFICATIONS.
5. ROLL TYPE CURB SHALL ONLY BE ALLOWED WHERE EXISTING ROLL TYPE CURB IS BEING REMOVED & REPLACED.
6. 4' MIN. S/W SHALL BE INCREASED TO 5' MIN. WHERE A 5'x5' AREA IS REQUIRED AT 200'MAX. LF SPACING TO COMPLY WITH ADA REQUIREMENTS.



SECTION A-A

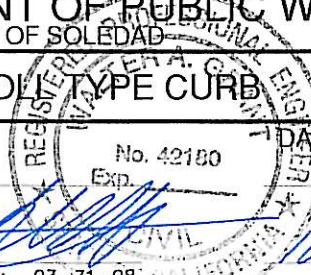
DEPARTMENT OF PUBLIC WORKS  
CITY OF SOLEDAD

TITLE: DRIVEWAY APPROACH FOR ROLL TYPE CURB

STANDARD PLAN

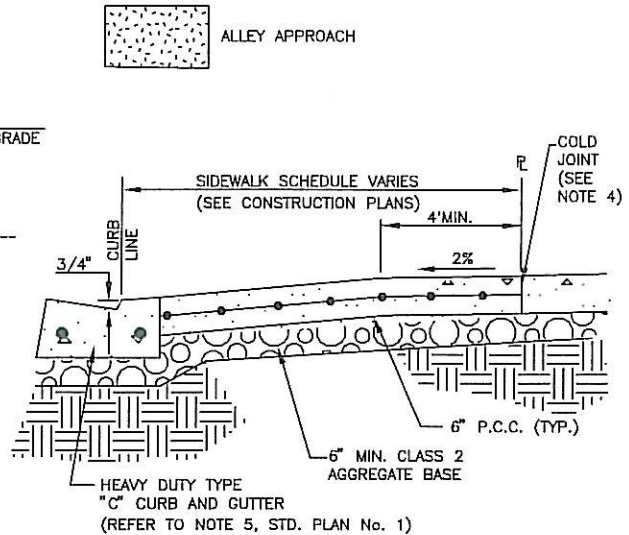
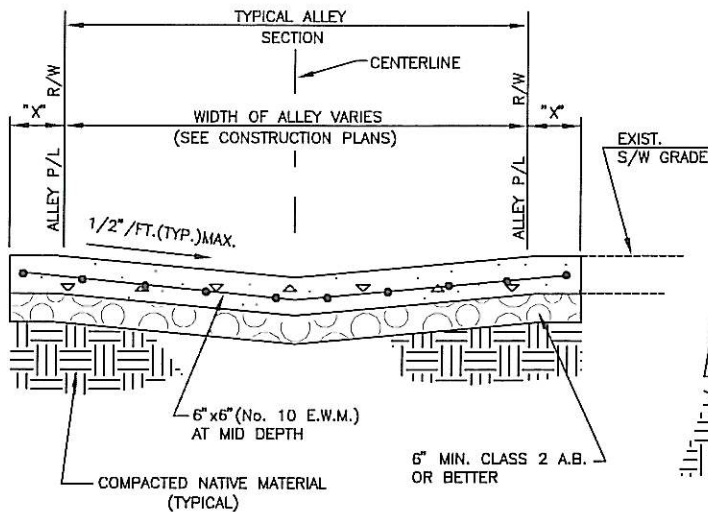
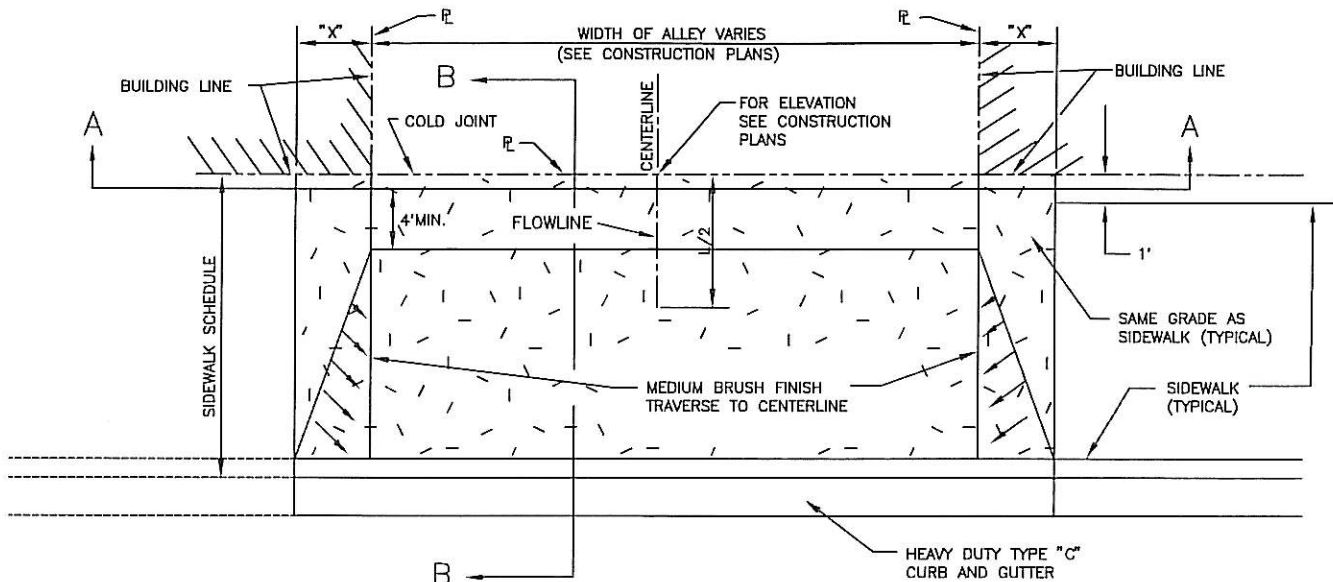
DESIGNED BY:  
WAG  
DRAWN BY:  
HG/AB  
CHECKED BY:  
WAG

APPROVED: *Clifton W. Price*  
CLIFTON W. PRICE, DIRECTOR OF PUBLIC WORKS  
*Walter A. Grant*  
WALTER A. GRANT, CITY ENGINEER - R.E. 42180 EXP: 03-31-08



DATE: 10/18/07  
10/18/07

6



**NOTE:**

PROVIDE A 4' (MIN) TRAVEL WAY AT TOP OF APPROACH WITH A 2% SLOPE (MAX) CONNECTING SIDEWALKS AT EACH END OF APPROACH

**NOTES:**

1. ALL WORK AND MATERIALS SHALL CONFORM TO SECTION 73 OF THE STANDARD SPECIFICATIONS "DRIVEWAY CONSTRUCTION".
2. SEE STANDARD PLAN No. 1 FOR CURB AND GUTTER CONSTRUCTION.
3. THE "X" DIMENSION SHALL BE 3 FEET UNLESS OTHERWISE INDICATED ON THE PLANS.
4. PROVIDE COLD JOINT AT BACK OF ALLEY APPROACH (OMIT STEEL ACROSS THIS JOINT).
5. ALL CONCRETE SHALL BE CLASS 2 PER STANDARD SPECIFICATIONS.

DEPARTMENT OF PUBLIC WORKS  
CITY OF SOLEDAD

TITLE: ALLEY APPROACH & SECTION

STANDARD PLAN

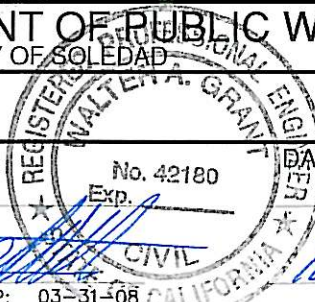
DESIGNED BY:  
WAG

DRAWN BY:  
CR/AB

CHECKED BY:  
WAG

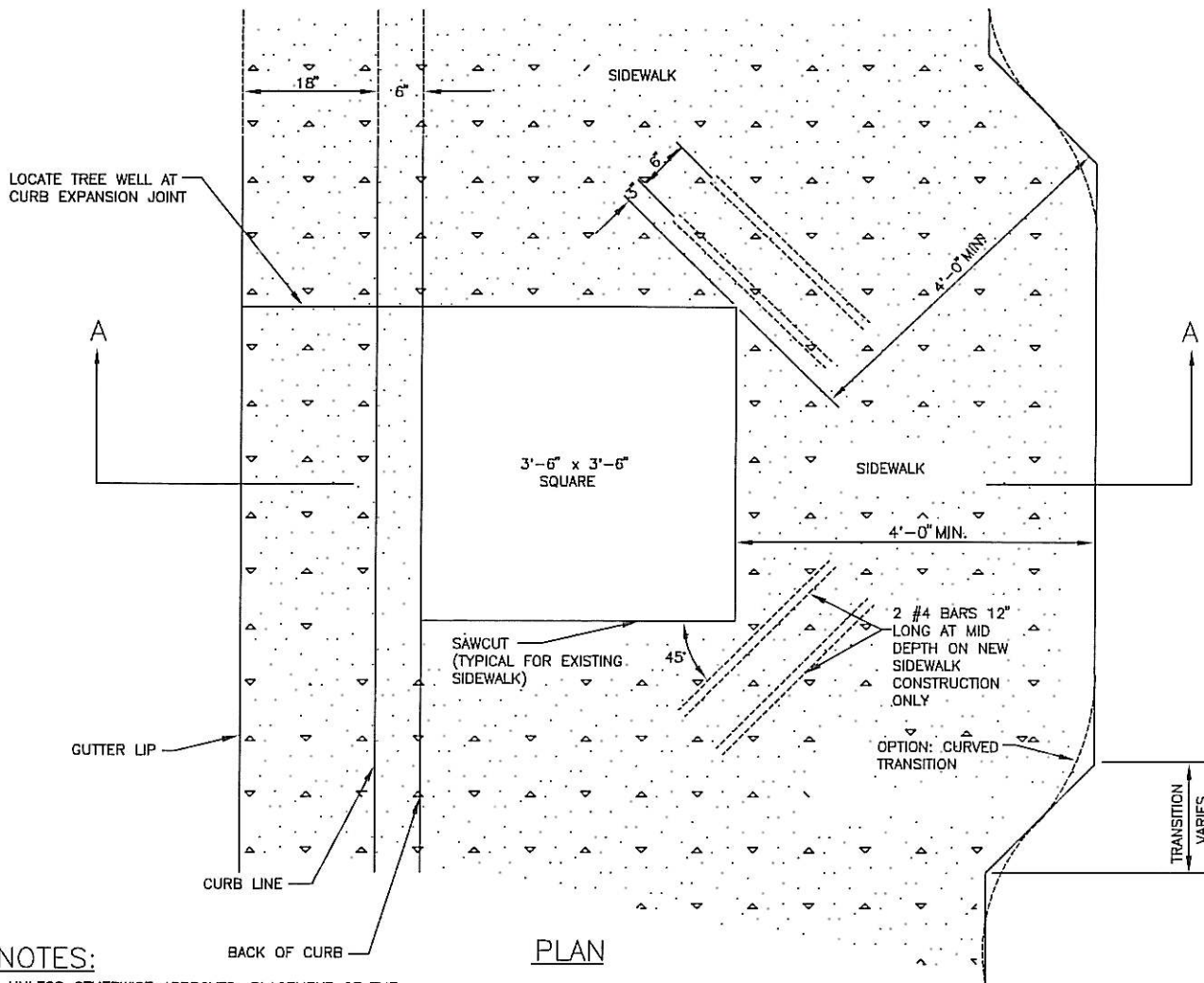
APPROVED: *Clifton W. Price*  
CLIFTON W. PRICE, DIRECTOR OF PUBLIC WORKS

*Walter A. Grant*  
WALTER A. GRANT, CITY ENGINEER - R.E. 42180 EXP: 03-31-08



DATE: 10/18/07  
10/19/07

7



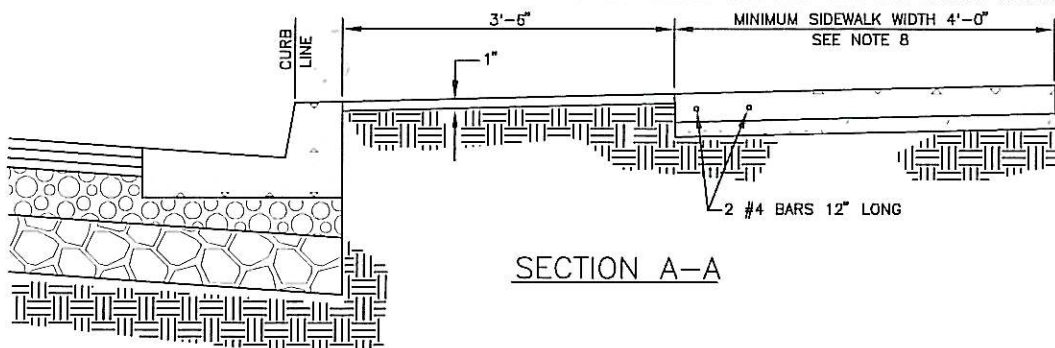
PLAN

NOTES:

UNLESS OTHERWISE APPROVED, PLACEMENT OF THE TREE WELLS SHALL BE AS FOLLOWS:

1. MINIMUM OF 10' CLEAR FROM SANITARY SEWER LATERAL.
2. MINIMUM OF 5' CLEAR FROM WATER SERVICE.
3. MINIMUM OF 15' FROM DRIVEWAYS.

4. MINIMUM OF 25' FROM CURB RETURNS.
5. MINIMUM SPACING OF 50' TO 60', OR 1 PER LOT, 2 PER CORNER LOT.
6. MINIMUM OF 10' CLEAR OF FIRE HYDRANTS.
7. VARIATIONS TO THE ABOVE LISTED SETBACKS MAY BE ALLOWED WITH PRIOR APPROVAL FROM THE DIRECTOR OF PUBLIC WORKS.
8. PROVIDE 5' MIN. WHERE REQUIRED TO COMPLY WITH ADA REQUIREMENT THAT A 5'x5' AREA IS PROVIDED AT A MAX. 200LF SPACING.
9. REFER TO CITY STANDARD PLAN NO.46 FOR TREE PLANTING REQUIREMENTS.



SECTION A-A

DEPARTMENT OF PUBLIC WORKS

CITY OF SOLEDAD

TITLE: TREE WELL

STANDARD PLAN

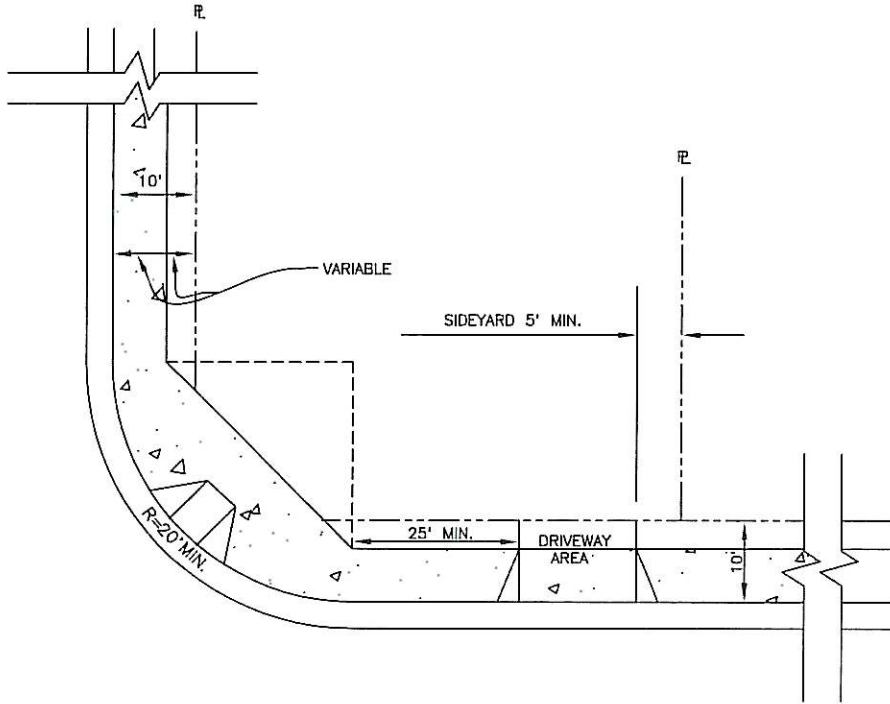
DESIGNED BY:  
WAG  
DRAWN BY:  
HG/AB  
CHECKED BY:  
WAG

APPROVED:  
*Clifton W. Price*  
CLIFTON W. PRICE, DIRECTOR OF PUBLIC WORKS  
WALTER A. GRANT, CITY ENGINEER - R.E. 42180 EXP: 03-31-08



DATE:  
*10/18/07*  
*10/19/07*

8



NOTES

1. ALL WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST ADOPTED STANDARD SPECIFICATIONS.
2. SIDEYARD SHALL BE 5' MINIMUM UNLESS APPROVED BY CITY ENGINEER IN WRITING OR IS APPROVED AS A CONDITION OF UP, SPP OR TENTATIVE MAP.
3. IMPROVEMENT REQUIREMENT MAY BE MODIFIED AS PART OF ZONING APPROVAL OR BY TRAFFIC COMMITTEE (PUBLIC WORKS SUPERINTENDENT, POLICE CHIEF, CITY ENGINEER & PLANNING DIRECTOR) BASED ON FINDINGS OF UNIQUENESS OF SITE, PUBLIC SAFETY NEEDS AND GOOD SITE DESIGN.

DRIVEWAY DESIGN STANDARDS

ZONING	FROM PROPERTY LINE	FROM CURB RETURN	MAX SIZE	MAX NO.	MAX %
RESIDENTIAL	5'-0"	25'-0"	20'-0"	2	50%
COMMERCIAL	5'-0"	25'-0"	30'-0"	2	50%
INDUSTRIAL	5'-0"	25'-0"	35'-0"	2	50%

DEPARTMENT OF PUBLIC WORKS  
CITY OF SOLEDAD

TITLE: DRIVEWAY LOCATION STANDARDS

STANDARD PLAN

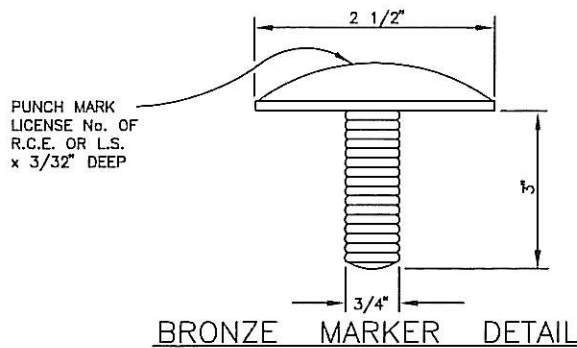
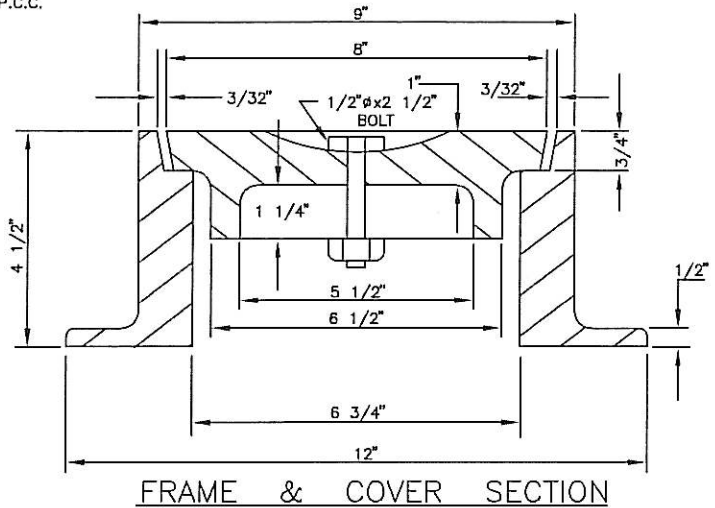
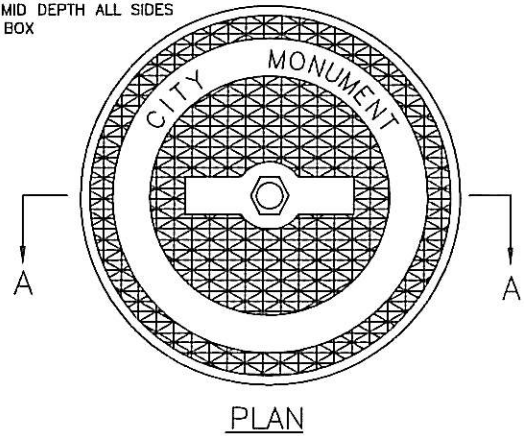
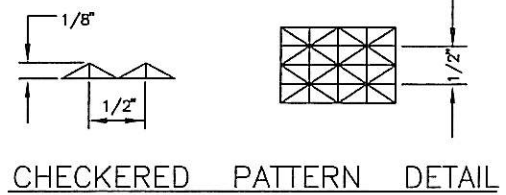
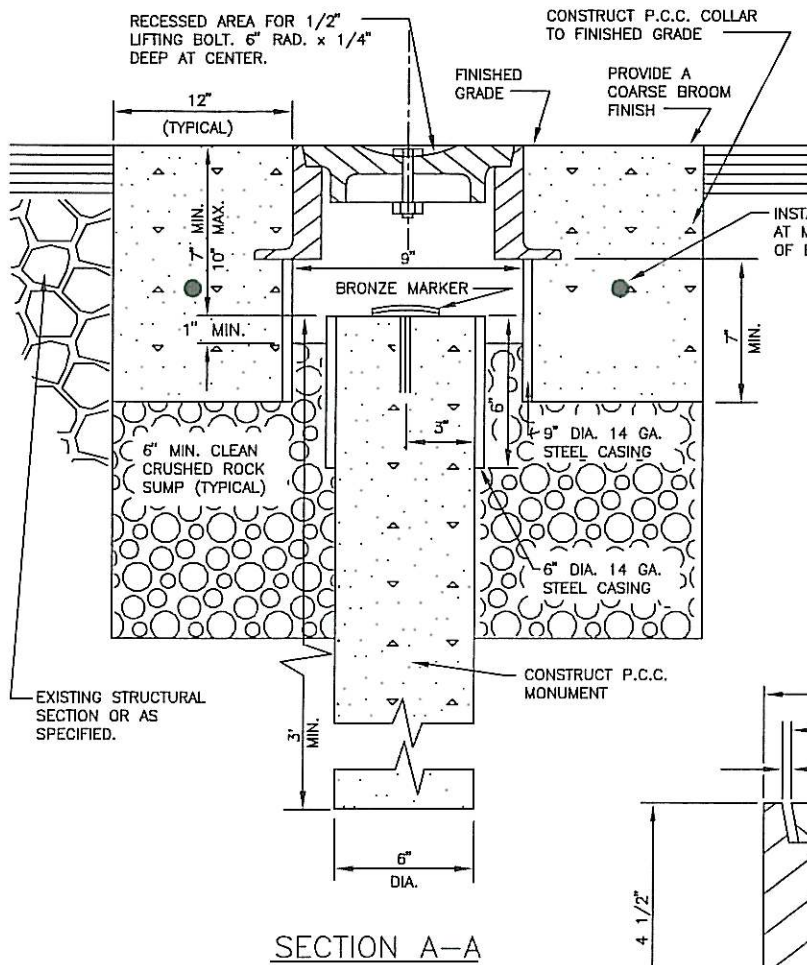
DESIGNED BY:  
WAG  
DRAWN BY:  
HG/AB  
CHECKED BY:  
WAG

APPROVED: *Clifton W Price*  
CLIFTON W. PRICE, DIRECTOR OF PUBLIC WORKS

REGISTERED PROFESSIONAL ENGINEER  
WALTER A. GRANT  
No. 42180  
DATE: 10/18/07  
CIVIL

WALTER A. GRANT, CITY ENGINEER - R.E. 42180 EXP: 03-31-08

9



**NOTES:**

1. MONUMENT FRAME AND COVER SHALL BE GRAY CAST IRON, FREE OF BLISTERS, BLOWHOLES, WARPAGE, AND COLD SHUTS.
2. MONUMENT SHALL BE FURNISHED AND INSTALLED AS PER PLANS AND SECTION B1 OF THE STANDARD SPECIFICATIONS, COMPLETE WITH MARKER.
3. BEARING SURFACES OF FRAME AND COVER SHALL FIT WITH POSITIVE PRESSURE ON ALL SURFACES AND SHALL BE NON-ROCKING.
4. ALL CONCRETE SHALL BE CLASS "III" PER THE STANDARD SPECIFICATIONS.
5. FRAME AND COVER SHALL BE AMERICAN BRASS AND FOUNDRY 5020-21 OR APPROVED EQUAL.
6. CONTRACTOR MUST PROVIDE SURVEY OF CENTERLINE CONTROL AND FINAL PUNCH MARK PER DETAIL AT RIGHT.
7. FOR CENTERLINE CONTROLS PERFORMED BY CITY SURVEYORS, THE MARKERS AND FINAL PUNCH MARK WILL BE FURNISHED BY THE CITY.
8. BRONZE MARKER SHALL BE PAVED AT OR NEAR THE CENTER OF MONUMENT.

**DEPARTMENT OF PUBLIC WORKS**

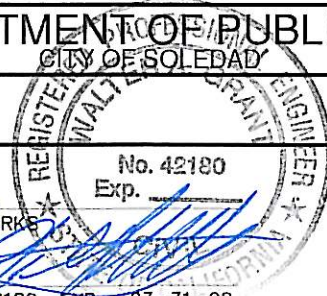
CITY OF SOLEDAD

**TITLE: CITY MONUMENT**

STANDARD PLAN

DESIGNED BY:  
WAG  
DRAWN BY:  
HG/AB  
CHECKED BY:  
WAG

APPROVED:  
*Clifton W. Price*  
CLIFTON W. PRICE, DIRECTOR OF PUBLIC WORKS  
*Walter A. Grant*  
WALTER A. GRANT, CITY ENGINEER - R.E. 42180 EXP. 03-31-08

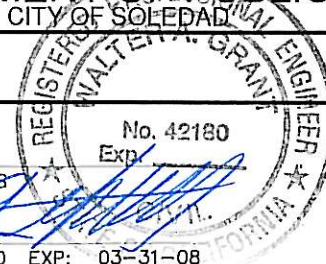


DATE:  
*10/18/07*  
*10/18/07*

**10**

1. CONTRACTOR TO HAVE QUALIFIED TRENCH SAFETY RESPONSIBLE PERSON ON SITE DURING ALL TRENCHING OPERATIONS.
2. ALL TRENCH CUTS AND SHORING OPERATIONS SHALL CONFORM TO CAL-OSHA REQUIREMENTS.
3. SEE SECTION 19; ALL OPEN TRENCH AT END OF DAY WHICH IS IN EXCESS OF 5' IN DEPTH WILL BE FENCED OFF, BARRICADED AND/OR SECURED WITH CAUTION TAPE.
4. REFER TO SECTION 19 FOR INSTALLATION, BACKFILL, AND COMPACTION REQUIREMENTS.
5. CONTRACTOR SHALL OBTAIN PERMITS FROM CAL-OSHA FOR TRENCHES DEEPER THAN 5 FEET.

**DEPARTMENT OF PUBLIC WORKS**



**TITLE: TRENCH SAFETY REQUIREMENTS**

STANDARD PLAN

DESIGNED BY:  
WAG

DRAWN BY:  
CR/AB

CHECKED BY:  
WAG

APPROVED:  
*Clifton W Price*  
CLIFTON W PRICE, DIRECTOR OF PUBLIC WORKS

WALTER A. GRANT, CITY ENGINEER - R.E. 42180 EXP: 03-31-08

DATE:  
*10/18/07*  
*10/18/07*

**11**



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## DEPARTMENT OF PUBLIC WORKS

CITY OF SOLEDAD

TITLE: BLANK

STANDARD PLAN

DESIGNED BY:  
WAG

APPROVED BY:

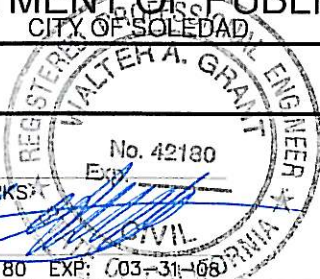
*Clifton W. Price*

DRAWN BY:  
HG/AB

CLIFTON W. PRICE, DIRECTOR OF PUBLIC WORKS

CHECKED BY:  
WAG

WALTER A. GRANT, CITY ENGINEER - R.E. 42180 EXP: 03-31-08



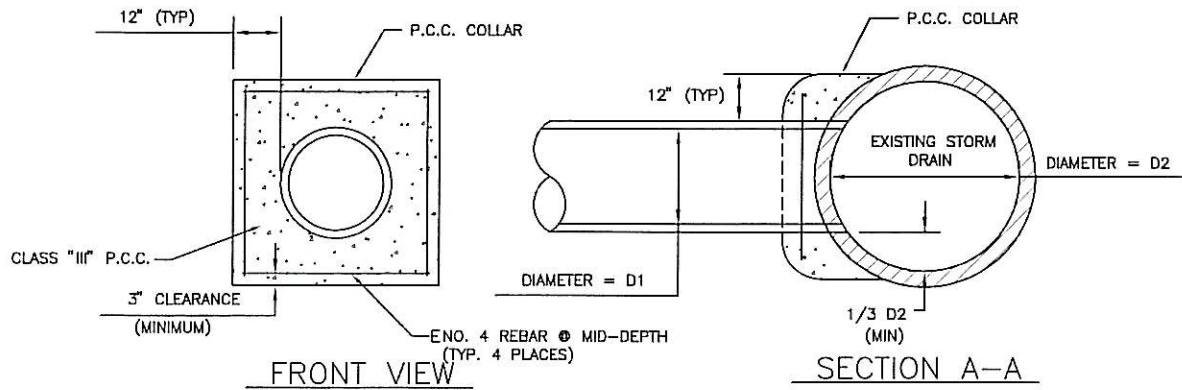
DATE:

*10/18/07*

*10/18/07*

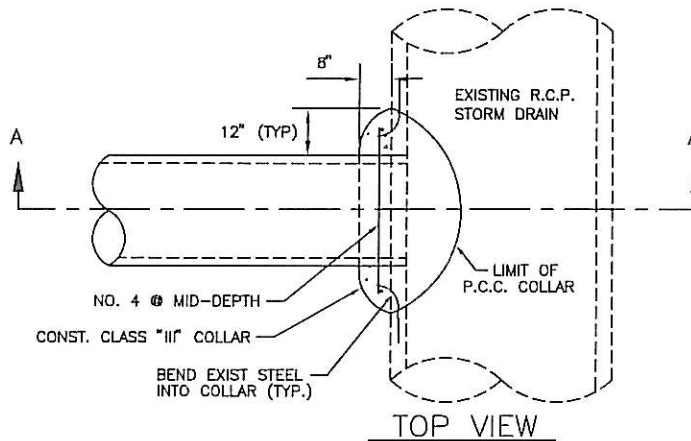
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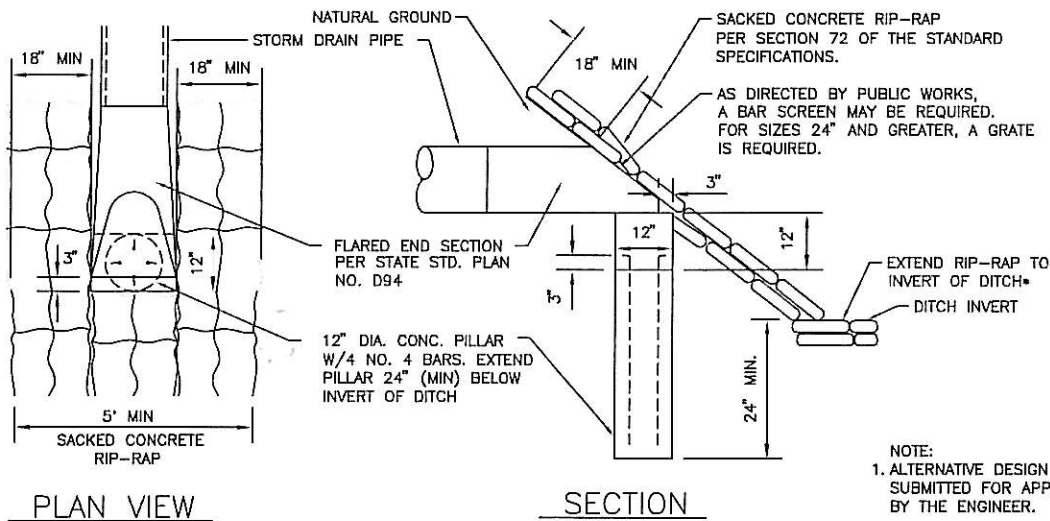


**NOTES**

1. CONCRETE ENCASING SHALL BE CLASS "II" P.C.C. OR BETTER. CONSTRUCT PER SECTION 51 OF THE STANDARD SPECIFICATIONS.
2. REINFORCEMENT SHALL CONFORM TO SECTION 52 OF THE STANDARD SPECIFICATIONS.
3. DETAIL GOOD ONLY FOR  $3 D1 \leq D2$ .
4. WHEN  $3 D1 > D2$  CONSTRUCT MANHOLE OR WHEN REQUIRED BY THE DIRECTOR OF PUBLIC WORKS.
5. HDPE OR PVC CONNECTIONS REQUIRE PRE-MANUFACTURED TIES OR SADDLES W/STAINLESS STEEL STRAPS.



**STORM DRAIN LATERAL CONNECTION DETAIL**  
(P.C.C. COLLAR)



**PIPE OUTLET DETAIL AT DITCH**

NOTE:  
1. ALTERNATIVE DESIGN MAY BE SUBMITTED FOR APPROVAL BY THE ENGINEER.

\* LINE OPPOSITE SLOPE IF OUTFALL FLOW WILL IMPINGE ON OPPOSITE BANK.

**DEPARTMENT OF PUBLIC WORKS**  
CITY OF SOLEDAD

**TITLE: MISCELLANEOUS STORM DRAIN DETAILS**

STANDARD PLAN

DESIGNED BY:  
WAG

APPROVED:

*Clifton W. Price*  
CLIFTON W. PRICE, DIRECTOR OF PUBLIC WORKS

No. 42190  
Exp.

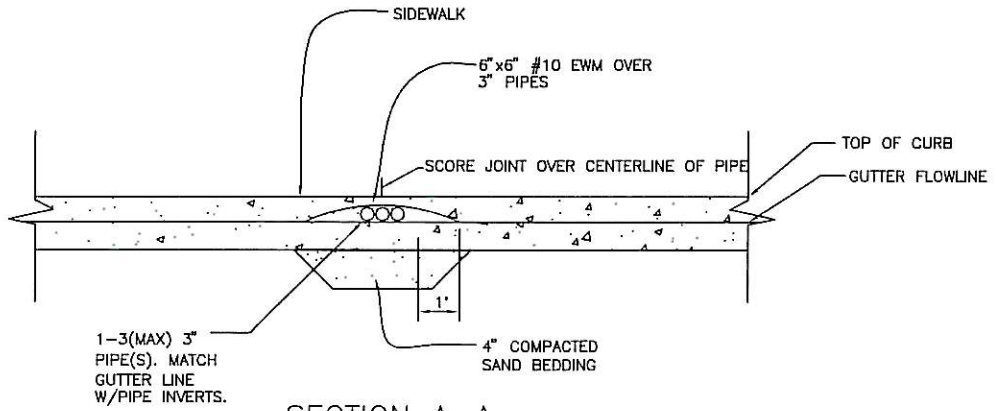
DATE:  
*10/18/07*

DRAWN BY:  
HG/AB

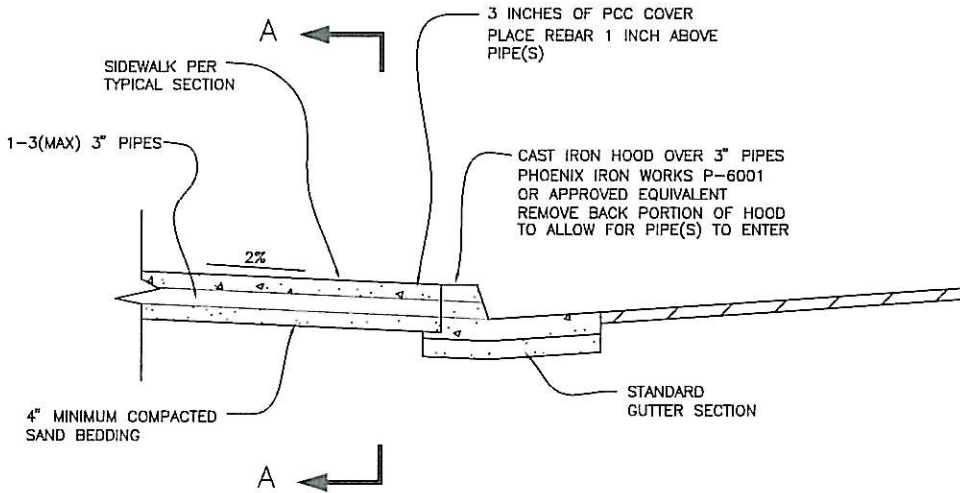
CHECKED BY:  
WAG

WALTER A. GRANT, CITY ENGINEER - R.E. 42180 EXP. 03-31-08

**14**



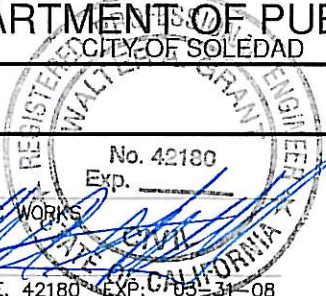
SECTION A-A



NOTES

1. P.V.C PIPE SHALL BE SCHEDULE 80.
2. EXISTING SIDEWALK FOR DRAIN INSTALLATION SHALL BE REMOVED AND REPLACED TO THE NEAREST JOINT.
3. ALTERNATE DESIGN/MATERIALS REQUIRE WRITTEN APPROVAL FROM CITY ENGINEER.
4. PIPE(S) SHALL HAVE 3 INCHES OF P.C.C. COVER.

DEPARTMENT OF PUBLIC WORKS



TITLE: CURB DRAIN

STANDARD PLAN

DESIGNED BY:  
WAG

APPROVED:

*Clifton W. Price*  
CLIFTON W. PRICE, DIRECTOR OF PUBLIC WORKS

No. 42180  
Exp. 10/18/07

DATE:  
10/18/07

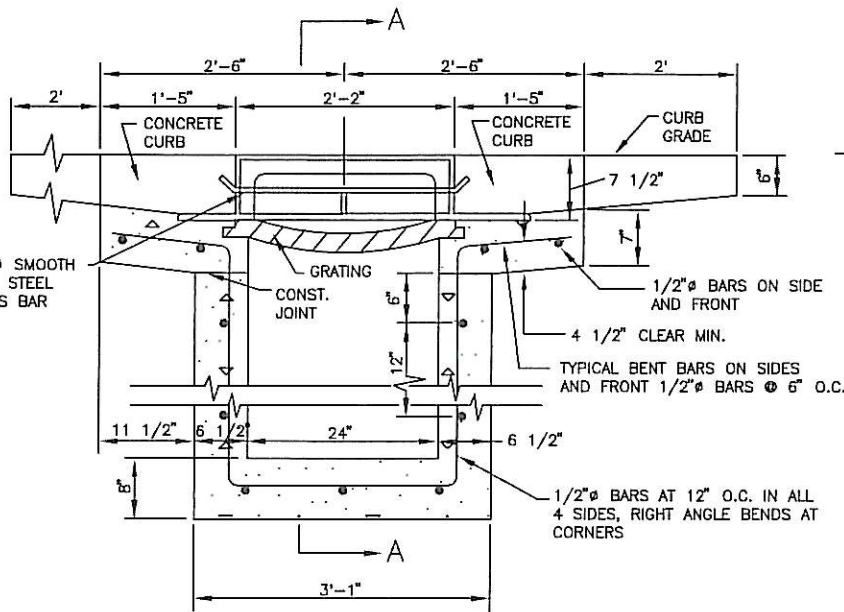
DRAWN BY:  
HG/AB

CHECKED BY:  
WAG

WALTER A. GRANT, CITY ENGINEER - R.E. 42180 - EXP. 10/18/07

15

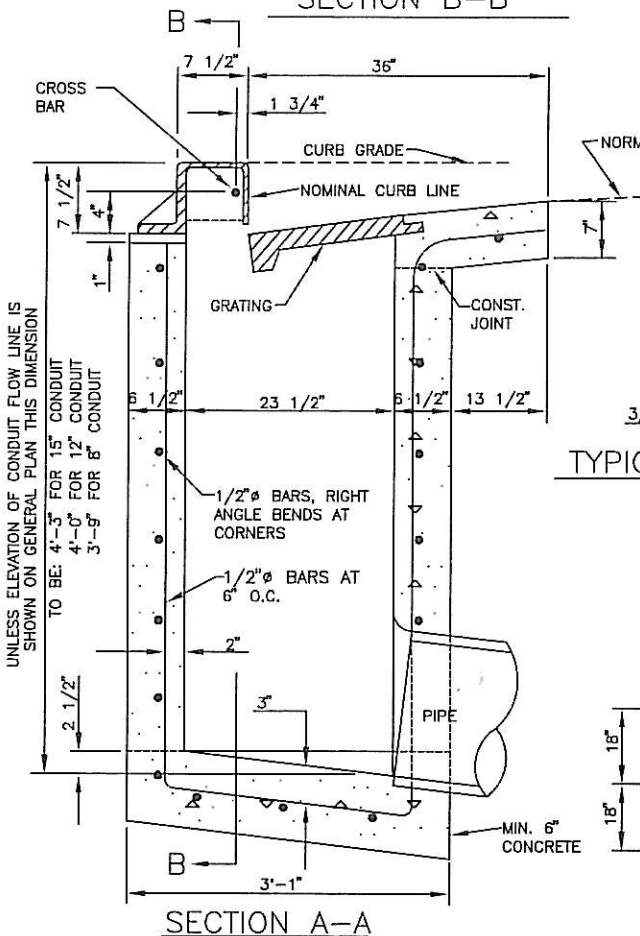




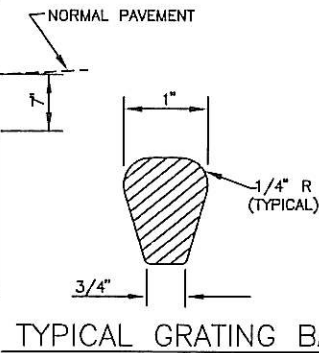
**NOTES:**

1. ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH SECTION 51 OF THE STANDARD SPECIFICATIONS.
2. ALL CONCRETE SHALL BE CONSTRUCTED IN ACCORDANCE WITH CLASS 2 P.C.C.
3. FRAME AND GRATE SHALL BE PHOENIX IRON WORKS MODEL P-6001 OR APPROVED EQUAL.
4. CASTING FOR CATCH BASIN FRAMES AND GRATES SHALL BE OF TOUGH GRAY IRON FREE FROM CRACKS, HOLES, SWELLS, AND COLD SHUTS.
5. DIMENSIONS MAY BE ADJUSTED TO FIT ANY SIMILAR GRATE.
6. CURB FROM PT. A TO PT. B TO BE CONSIDERED A PART OF THE CATCH BASIN FOR PAYMENT PURPOSES.

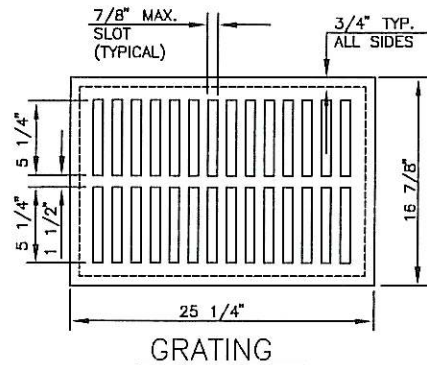
**SECTION B-B**



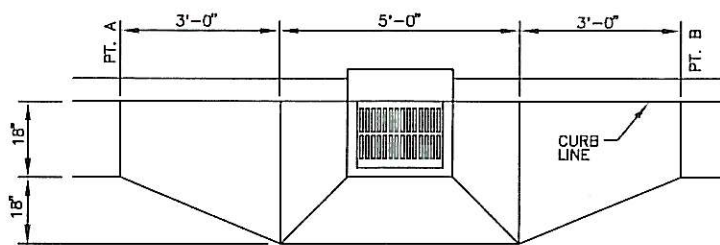
**SECTION A-A**



**TYPICAL GRATING BAR**



**GRATING**



**PLAN**  
N.T.S.

**DEPARTMENT OF PUBLIC WORKS**

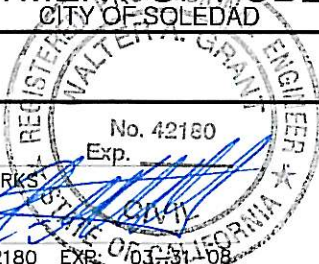
CITY OF SOLEDAD

**TITLE: TYPE 'B' CATCH BASIN**

STANDARD PLAN

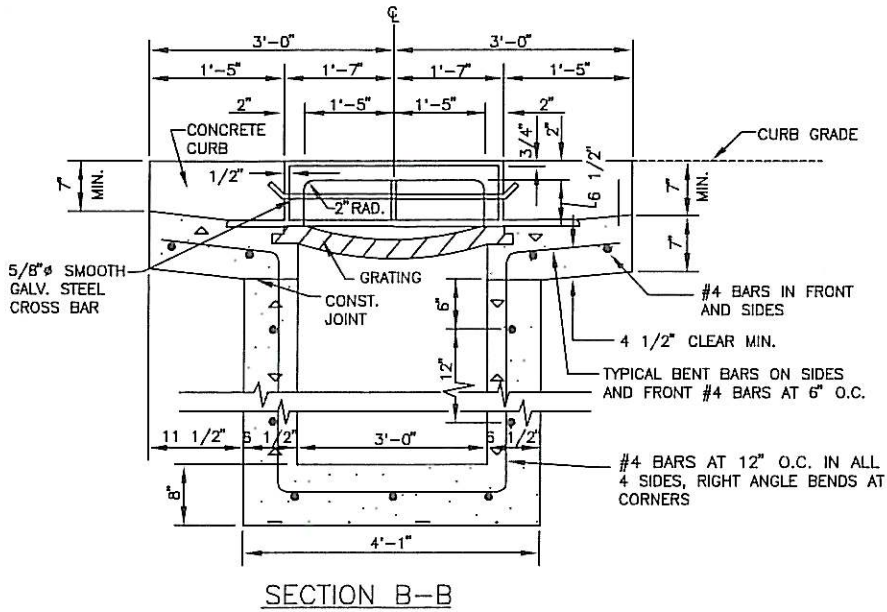
DESIGNED BY: WAG  
DRAWN BY: HG/AB  
CHECKED BY: WAG

APPROVED: *Clifton W. Price*  
CLIFTON W. PRICE, DIRECTOR OF PUBLIC WORKS  
WALTER A. GRANT, CITY ENGINEER - R.E. 42180 EXP. 03-31-08



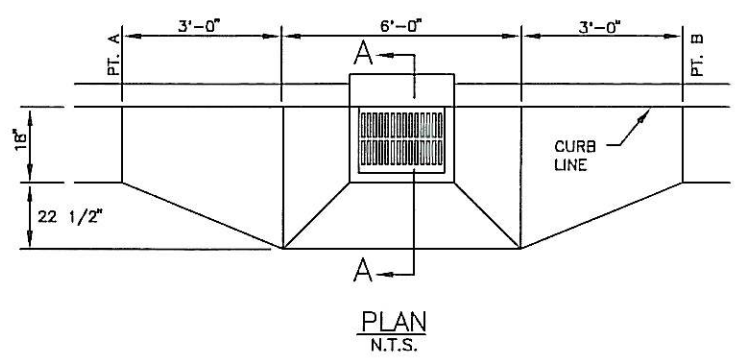
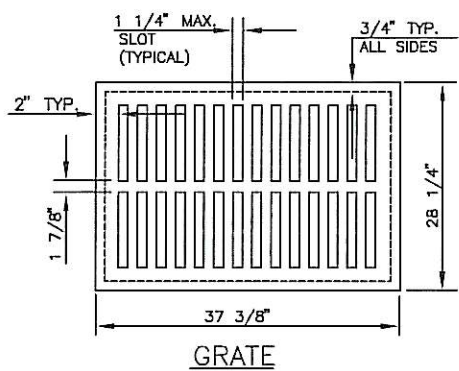
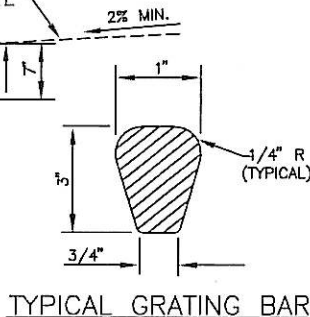
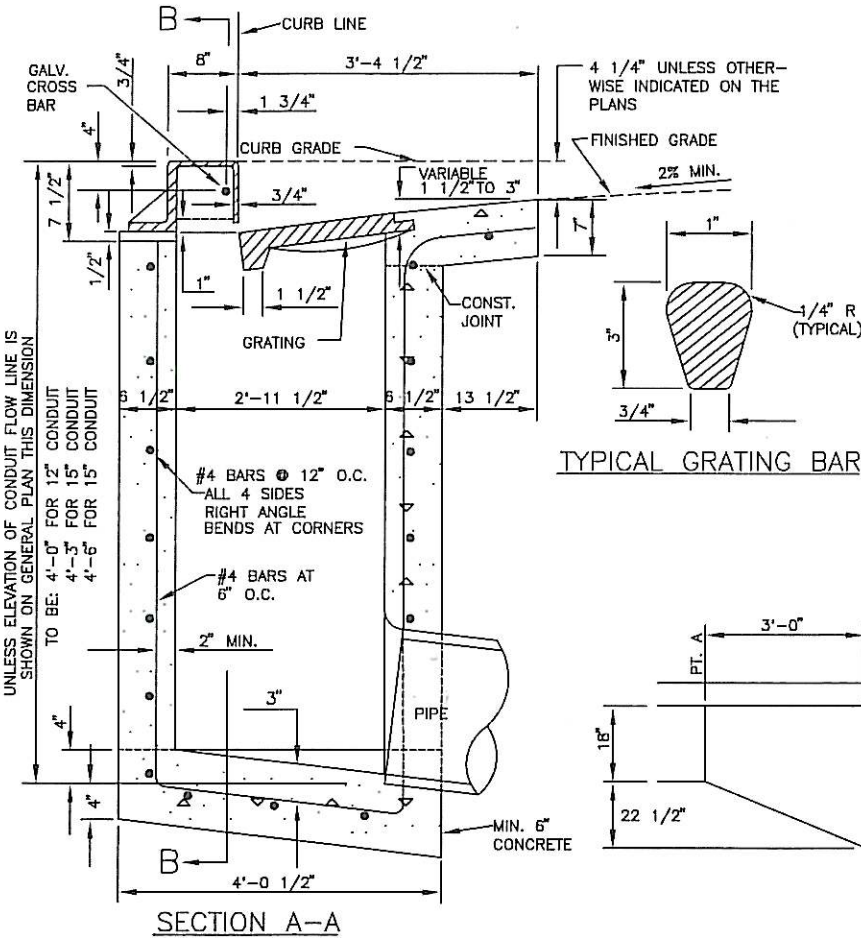
DATE: 10/18/07  
10/18/07

**17**



NOTES:

1. ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH SECTION 51 OF THE STANDARD SPECIFICATIONS.
2. ALL CONCRETE SHALL BE CONSTRUCTED IN ACCORDANCE WITH CLASS 2 PCC.
3. FRAME AND GRATE SHALL BE PHOENIX IRON WORKS MODEL P-6002 OR APPROVED EQUAL.
4. CASTING FOR CATCH BASIN FRAMES AND GRATES SHALL BE OF TOUGH GRAY IRON FREE FROM CRACKS, HOLES, SWELLS, AND COLD SHUTS.
5. DIMENSIONS MAY BE ADJUSTED TO FIT ANY SIMILAR GRADE.
6. CURB FROM PT. A TO PT. B TO BE CONSIDERED A PART OF THE CATCH BASIN FOR PAYMENT PURPOSES.



DEPARTMENT OF PUBLIC WORKS  
CITY OF SOLEDAD

TITLE: TYPE 'C' CATCH BASIN

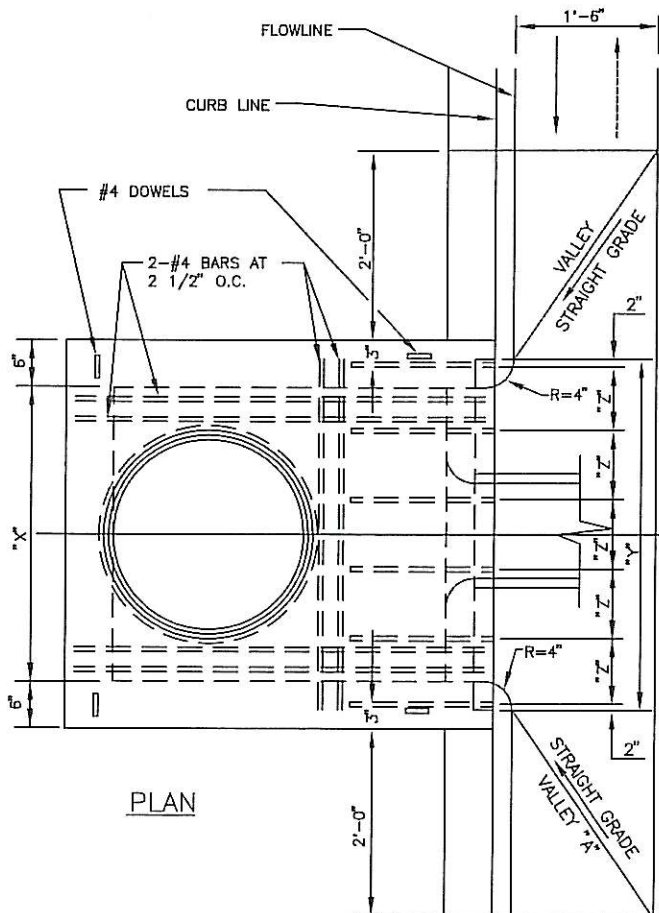
STANDARD PLAN

DESIGNED BY:  
WAG  
DRAWN BY:  
HG/AB  
CHECKED BY:  
WAG

APPROVED:  
*Clifton W. Price*  
No. 42180  
Exp. \_\_\_\_\_  
CLIFTON W. PRICE, DIRECTOR OF PUBLIC WORKS  
WALTER A. GRANT, CITY ENGINEER - R.E. 42180 EXP. 03-31-08

DATE:  
*10/18/07*  
*10/18/07*

18

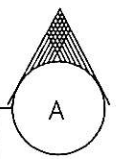


DESIGN NOTE: GUTTER DEPRESSION, USE SOILED LINES FOR GRADE SAG, USE DASHED LINES AND VALLEY "A" FOR FLOW IN ONE DIRECTION ONLY.

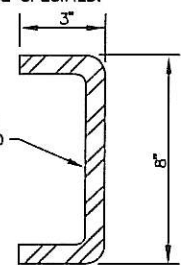
DIMENSION SCHEDULE				
MODEL	"X"	"Y"	"Z"	No. & SIZE OF REBAR
A	2'-6"	3'-4"	9"	5 - #4
B	3'-3"	4'-1"	9"	6 - #4
C	3'-6"	4'-4"	8"	7 - #4
D	4'-2"	5'-0"	8"	8 - #4

**NOTES:**

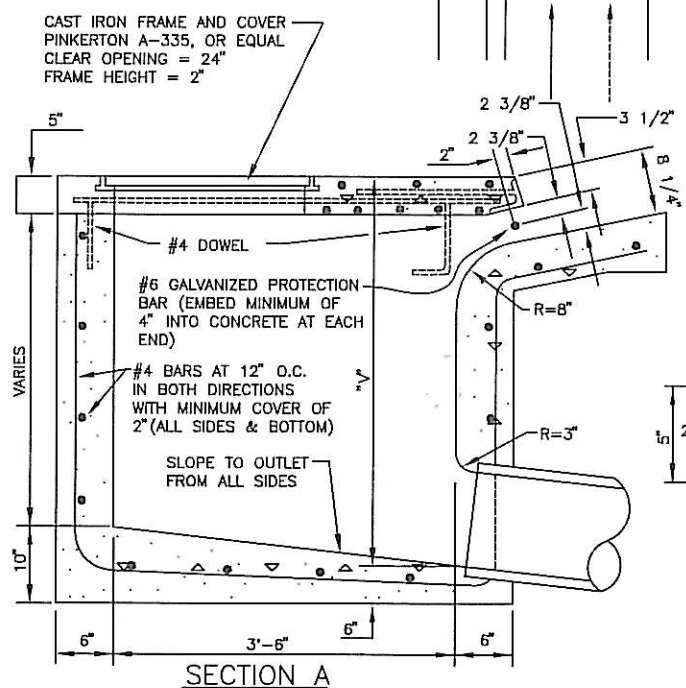
1. CONNECTION PIPES MAY BE PLACED AT ANY POINT AROUND THE CATCH BASIN, PROVIDED THEY FLOW IN THE PROPER DIRECTION, AND THE PLACEMENT IS OTHERWISE CONSISTENT WITH THE IMPROVEMENT PLAN.
2. CURVATURES AT ALL OPENINGS OF THE CATCH BASIN SHALL BE FORMED WITH CURVED FORMS, AND SHALL NOT BE MADE BY PLASTERING.
3. OUTLET PIPE SHALL BE TRIMMED TO FINAL LENGTH AND SHAPE BEFORE CONCRETE IS POURED.
4. ALL REINFORCING STEEL SHALL BE ADEQUATELY SUPPORTED TO MAINTAIN CORRECT POSITION DURING CONCRETE POUR.
5. CONCRETE SHALL BE CLASS 2 P.C.C.
6. STEEL REINFORCING BARS SHALL BE #4 BAR GRADE 60 CONFORMING TO ASTM A615 (MINIMUM COVER OF 1").
7. ANCHOR BARS AT ANGLE SHALL BE SHOP WELDED AND SHALL BE HOT DIPPED GALVANIZED AFTER FABRICATION.
8. "V" = 3'-0" PLUS O.D. OF PIPE UNLESS OTHERWISE SPECIFIED.



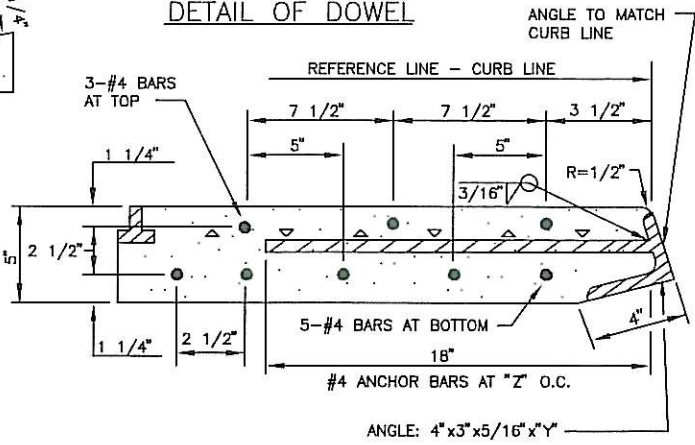
CURB AND GUTTER FROM LINE "A" TO LINE "B" IS CONSIDERED PART OF THE CATCH BASIN



DETAIL OF DOWEL



SECTION A



DETAIL OF REINFORCEMENT

DEPARTMENT OF PUBLIC WORKS  
CITY OF SOLEDAD

TITLE: TYPE 'D' SIDE OPENING CATCH BASIN

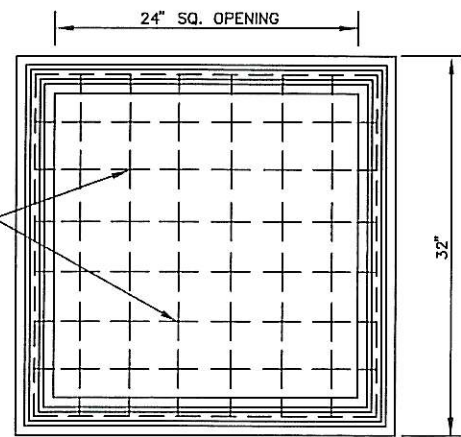
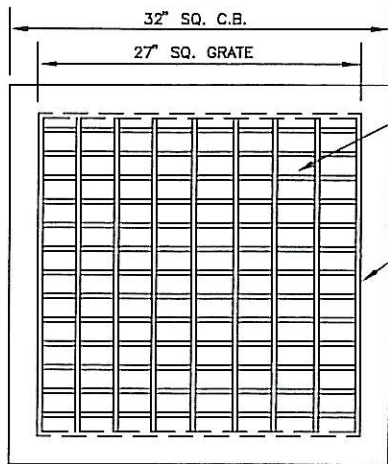
STANDARD PLAN

DESIGNED BY: WAG  
DRAWN BY: HG/AB  
CHECKED BY: WAG

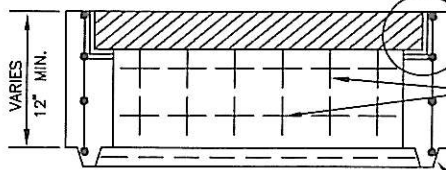
APPROVED: *Clifton W. Price*  
CLIFTON W. PRICE, DIRECTOR OF PUBLIC WORKS  
DATE: 10/10/07  
No. 42180  
Exp. 10/10/07  
WALTER A. GRANT, CITY ENGINEER - R.E. 42180 EXP: 03-31-08

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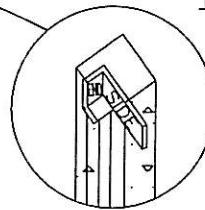




PLAN VIEW



PRECAST OR CAST IN PLACE GRADE RING

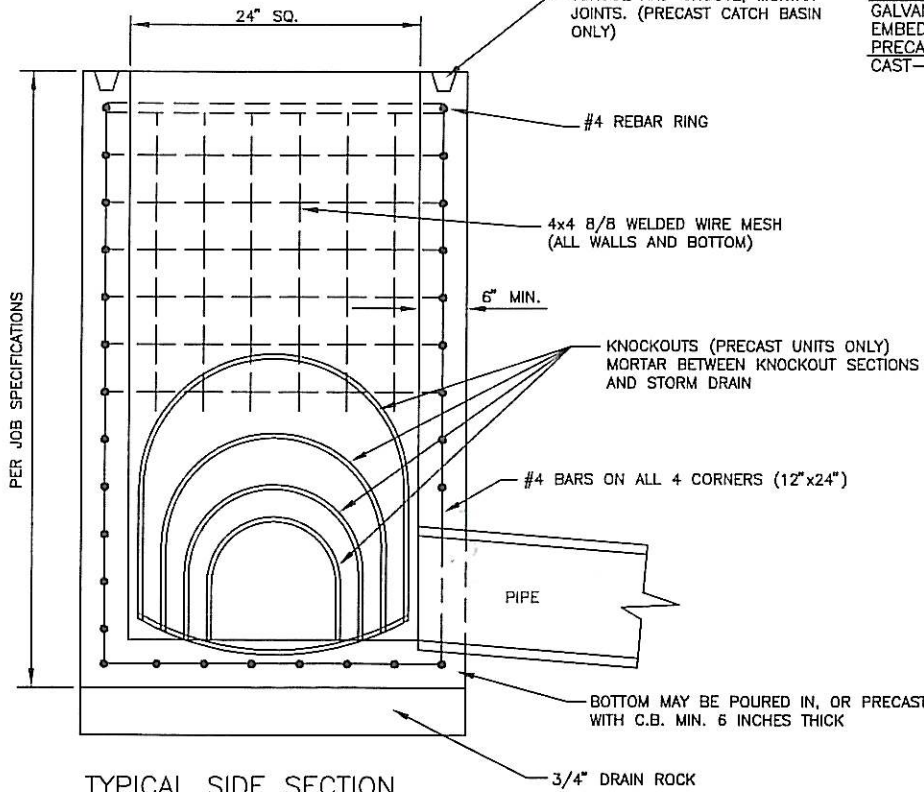


TONGUE AND GROOVE, MORTAR JOINTS. (PRECAST CATCH BASIN ONLY)

CAST IN PLACE CATCH BASIN - POUR CONCRETE COLLAR AND INSTALL FRAME TO FINISHED GRADE  
 GRATE FRAME-SHALL BE MINIMUM 4"x3"x3/16" GALVANIZED ANGLE IRON WITH ANCHOR BOLTS EMBEDDED IN CONCRETE.  
 PRECAST CAST BASIN-SHALL BE FURNISHED WITH CAST-IN GALVANIZED FRAME.

NOTES:

1. ALL CONCRETE SHALL BE CLASS 2 PCC.
2. CONTRACTOR MAY USE EITHER PRECAST OR CAST-IN-PLACE CONCRETE CATCH BASINS CONFORMING TO ALL THE REQUIREMENTS SHOWN HEREIN.
3. FRAME AND GRATE SHALL BE GALVANIZED IN ACCORDANCE WITH A.S.T.M. SPECIFICATION A123-59. GRATE SHALL BE HEAVY DUTY AND RATED FOR H-20 LOADING AND BICYCLE PROOF.
4. ALL CATCH BASIN WALLS AND BASE SHALL HAVE 4x4 8/8 WELDED WIRE MESH. WIRE MESH SHALL BE CONTINUOUS AND LAP A MIN. OF 12" AT CORNERS.
5. CATCH BASINS LESS THAN 4' DEEP SHALL BE CONTINUOUS WITH NO GRADE RINGS.
6. CONTRACTOR SHALL MINIMIZE THE NUMBER OF GRADE RINGS REQUIRED.
7. PRECAST CATCH BASINS MAY BE ORDERED WITH OR WITHOUT BOTTOM.
8. APPROVED PRECAST CATCH BASINS INCLUDE CHRISTY U-21 WITH 71R GALVANIZED GRATE, SANTA ROSA K2 WITH HEAVY TYPE GRATE, OR APPROVED EQUAL.



TYPICAL SIDE SECTION

DEPARTMENT OF PUBLIC WORKS  
 CITY OF SOLEDAD

TITLE: TYPE 'E' TOP OPENING CATCH BASIN

STANDARD PLAN

DESIGNED BY: WAG  
 DRAWN BY: HG/AB  
 CHECKED BY: WAG

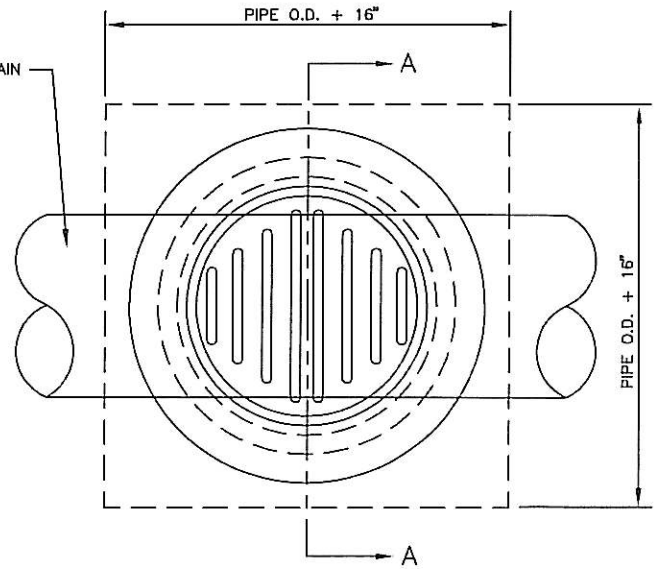
APPROVED: *Clifton W. Price*  
 CLIFTON W. PRICE, DIRECTOR OF PUBLIC WORKS  
 WALTER A. GRANT, CITY ENGINEER - R.E. 42180 EXP: 05-31-08



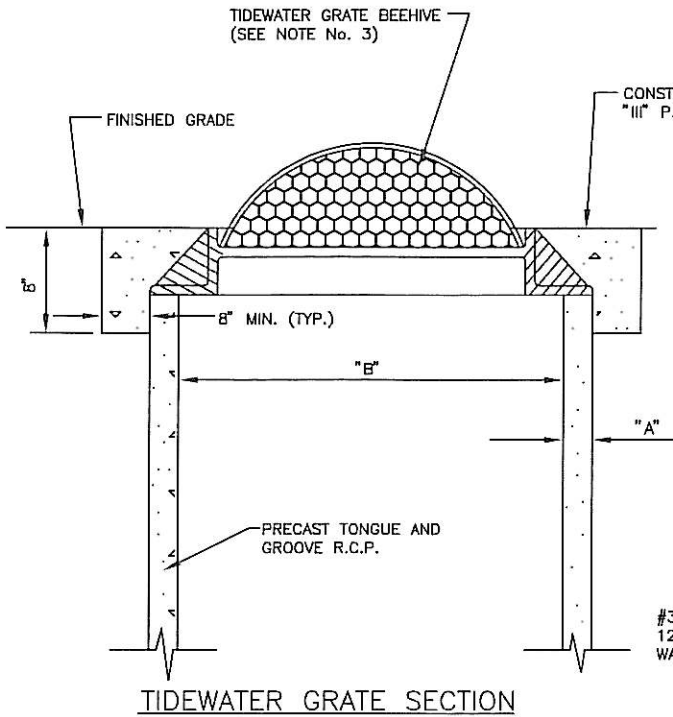
DATE: 10/18/07  
*WAG*

20

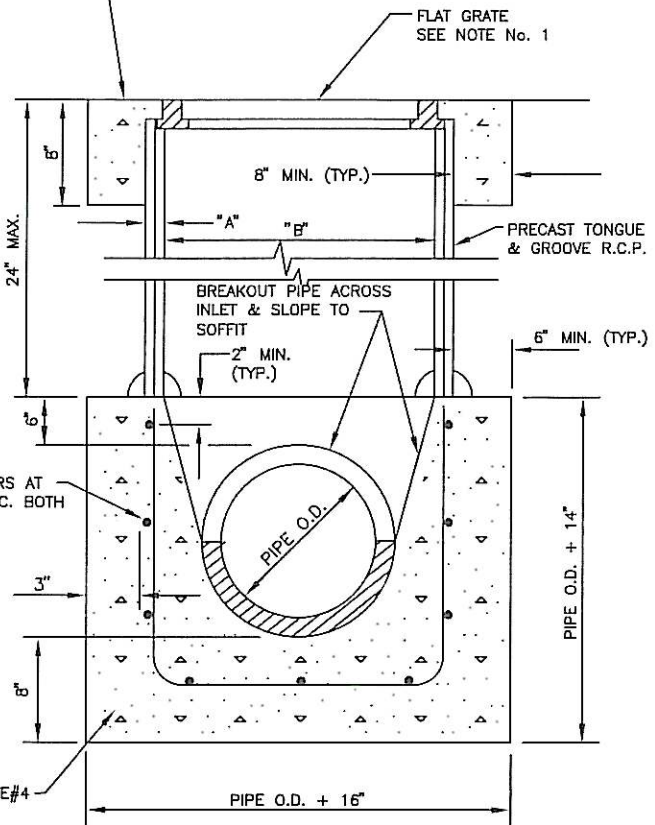
DIMENSION TABLE		
DIM	FLAT GRATE	TIDEWATER GRATE
"A"	2 1/2"	2 3/4" FOR 30" R.C.P. 2 5/8" FOR 27" R.C.P.
"B"	24" I.D. R.C.P.	27" OR 30" I.D. R.C.P.



PLAN



TIDEWATER GRATE SECTION



SECTION A-A  
N.T.S.

NOTES:

1. TRAFFIC FRAME AND SOLID COVER SHALL BE ALHAMBRA A-1210 OR APPROVED EQUAL.
2. ALL FRAME AND GRATE SHALL BE CAST IRON.
3. TIDEWATER GRATE ALHAMBRA A-1215 OR APPROVED EQUAL.
4. P.C.C. SHALL BE CLASS 2 P.C.C.

DEPARTMENT OF PUBLIC WORKS  
CITY OF SOLEDAD

TITLE: TYPE 'F' R.C.P. CATCH BASIN

STANDARD PLAN

DESIGNED BY:  
WAG

APPROVED:

*Clifton W. Price*

No. 42180  
Exp.

DATE:

*10/18/07*

DRAWN BY:  
HG/AB

CLIFTON W. PRICE, DIRECTOR OF PUBLIC WORKS

CIVIL

CHECKED BY:  
WAG

WALTER A. GRANT, CITY ENGINEER - R.E. 42180 EXP: 03-31-08

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## Part: ORD

OBTAIN THE ABOVE STORM DRAIN MARKER FROM:

DAS MANUFACTURING, INC.  
 3610 CINNAMON TRACE DRIVE  
 VALRICO, FL 33594  
 800-549-6024 FAX 831-681-5807  
 E-MAIL: SALES@CURBMARKER.COM

1. STORM DRAIN MARKER TO BE USED ON CITY CATCH BASINS OR OTHER AS APPROVED BY THE DIRECTOR OF PUBLIC WORKS.
2. APPLY TO CATCH BASIN AT TOP OF CURB, CENTERED.
3. APPLY TO SURFACE WHICH IS FLAT, DRY AND FREE OF ANY LOOSE DEBRIS.
4. ONLY USE MANUFACTURER'S ADHESIVE, ASSURING PROPER COVERAGE PRIOR TO APPLICATION.
5. CONTRACTOR AND DEVELOPERS SHALL PLACE STORM DRAIN MARKERS ON ALL CATCH BASINS.

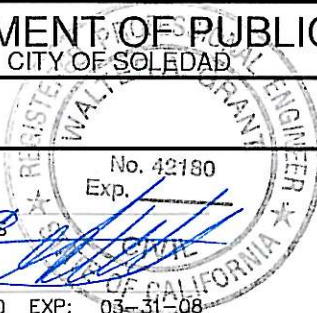
### DEPARTMENT OF PUBLIC WORKS CITY OF SOLEDAD

TITLE: STORM DRAIN MARKERS

STANDARD PLAN

DESIGNED BY:  
WAG

*Clifton W Price*  
 CLIFTON W. PRICE, DIRECTOR OF PUBLIC WORKS



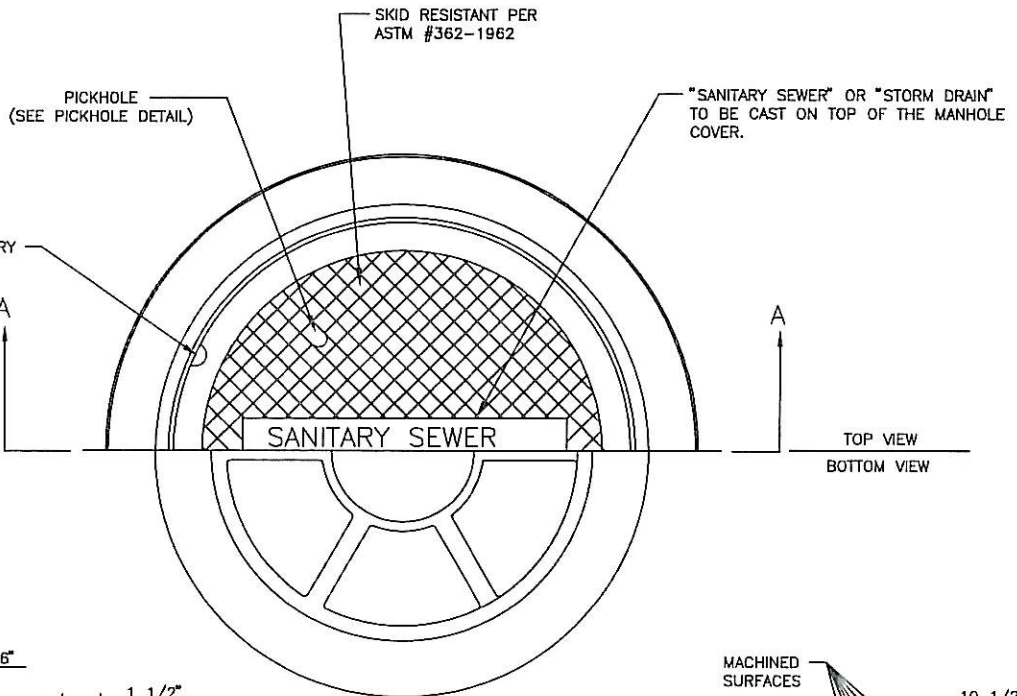
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*10/18/07*

DRAWN BY:  
AB

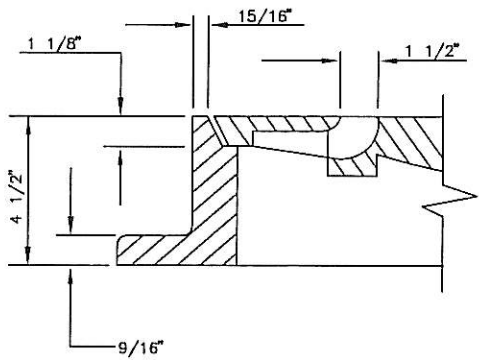
CHECKED BY:  
WAG

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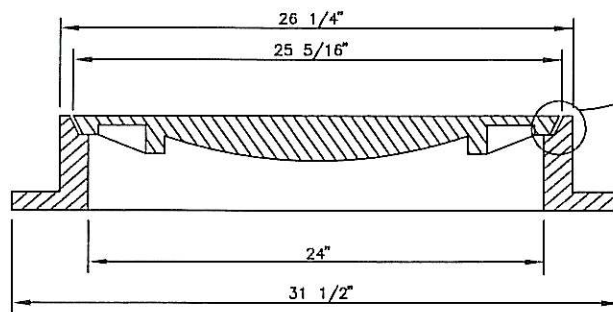
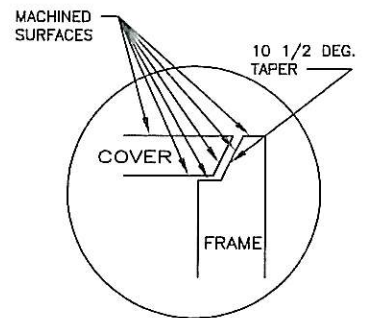
# 21 A



PLAN



PICKHOLE DETAIL



SECTION A - A

NOTES:

1. BEARING SURFACES OF FRAME AND COVER SHALL BE MACHINED TO FIT WITH POSITIVE PRESSURE ON ALL SURFACES.
2. MINIMUM WEIGHT FOR RING AND COVER SHALL BE 265 POUNDS.
3. MANHOLE NOT APPLICABLE TO UTILITIES.
4. ALL MATERIALS USED IN MANUFACTURING FRAME AND COVER SHALL CONFORM TO ASTM STANDARDS.
5. ENTIRE FRAME AND COVER ASSEMBLY SHALL BE CAPABLE OF SUPPORTING H-20 HIGHWAY LOADING.

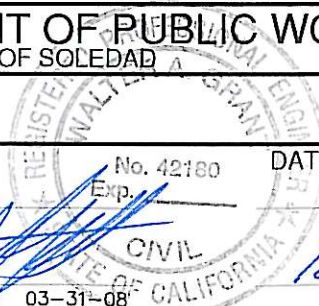
DEPARTMENT OF PUBLIC WORKS  
CITY OF SOLEDAD

TITLE: MANHOLE FRAME AND COVER

STANDARD PLAN

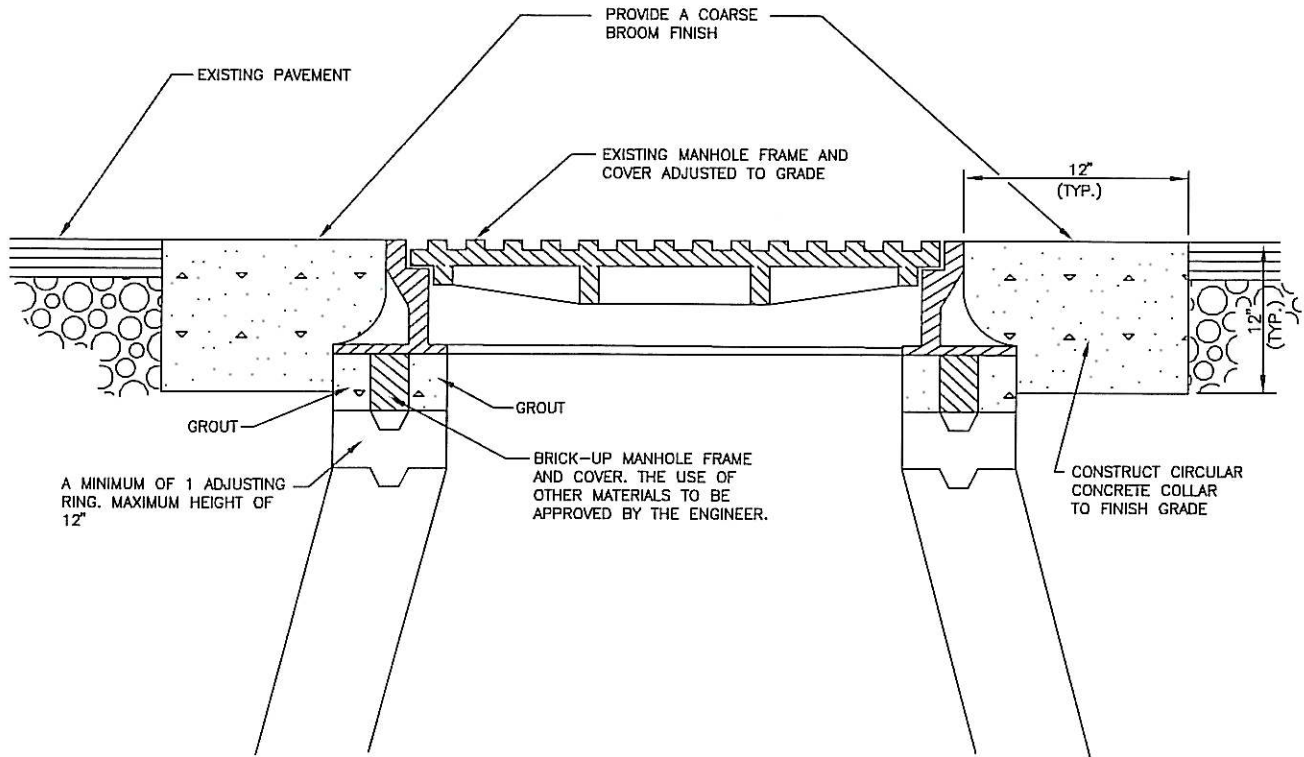
DESIGNED BY:  
WAG  
DRAWN BY:  
CR/AB  
CHECKED BY:  
WAG

APPROVED:  
*Clifton W. Price*  
CLIFTON W. PRICE, DIRECTOR OF PUBLIC WORKS  
*Walter A. Grant*  
WALTER A. GRANT, CITY ENGINEER - R.E. 42180 EXP: 03-31-08



DATE: 10/18/07  
*10/18/07*

22



NOTES:

1. P.C.C. SHALL BE CLASS 2 P.C.C.

DEPARTMENT OF PUBLIC WORKS  
CITY OF SOLEDAD

TITLE: MANHOLE FRAME AND COVER ADJUSTMENT

STANDARD PLAN

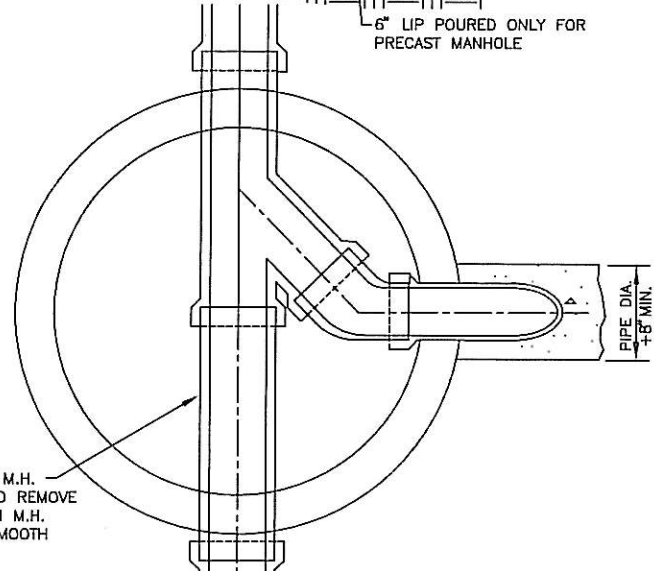
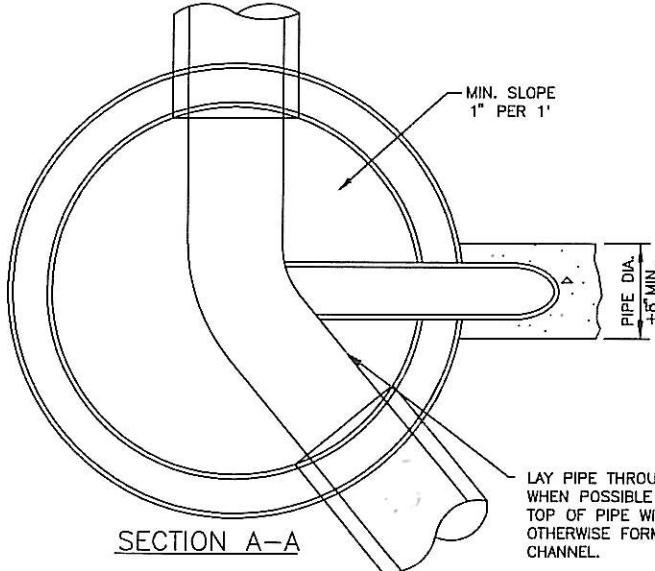
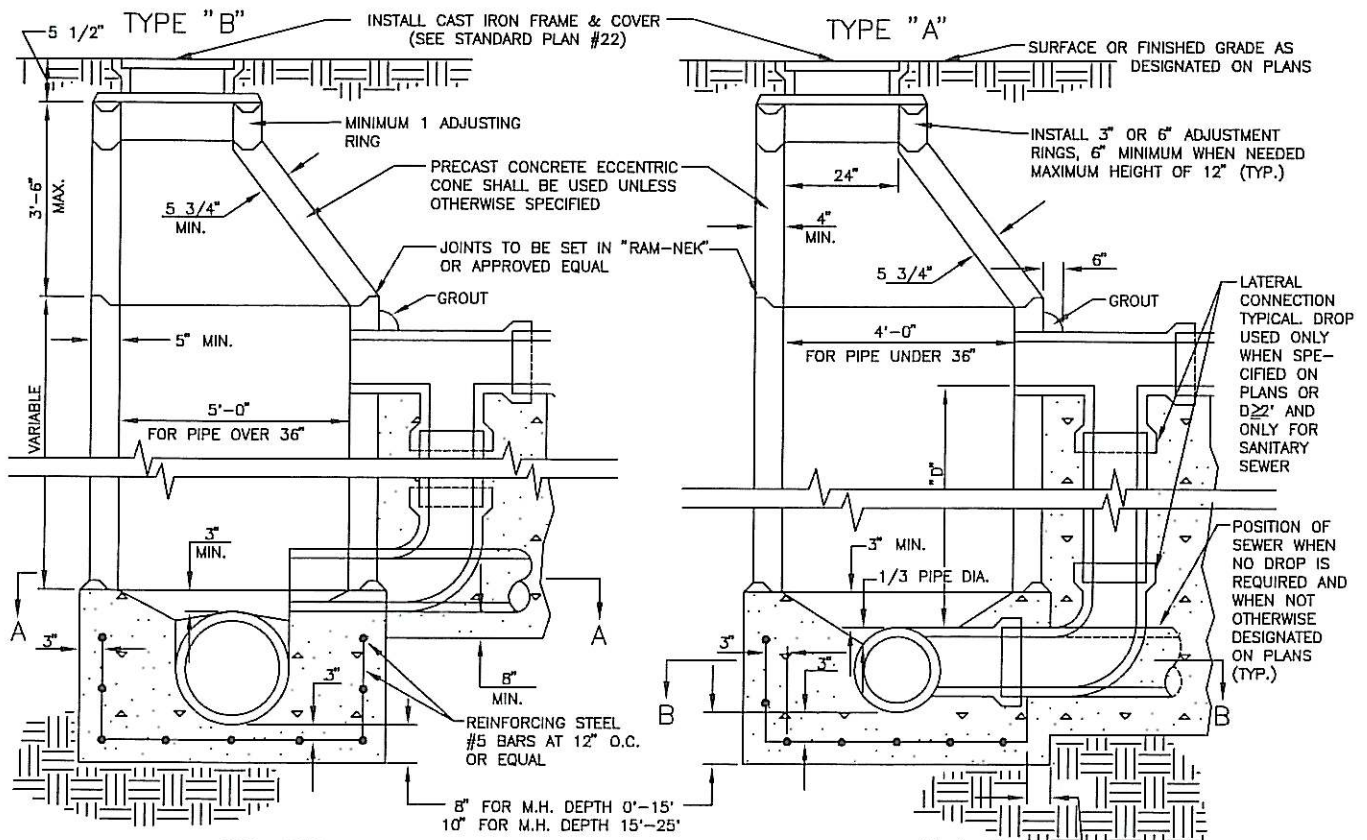
DESIGNED BY:  
WAG  
DRAWN BY:  
HG/AB  
CHECKED BY:  
WAG

APPROVED:  
*Clifton W. Price*  
CLIFTON W. PRICE, DIRECTOR OF PUBLIC WORKS  
WALTER A. GRANT, CITY ENGINEER - R.E. 42180 EXP: 03-31-08



DATE: 10/18/07  
*WAG*

23



**NOTES:**

1. P.C.C. SHALL BE CLASS 2.
2. PRECAST MANHOLE BASES MAY BE USED UPON PRIOR APPROVAL OF THE CITY ENGINEER AND SHALL BE INSTALLED ON A LEVELING COURSE OF 3/4" CRUSHED ROCK (6" MIN.).
3. ALL SANITARY SEWER MANHOLES SHALL BE COATED ON THE INTERIOR UPON COMPLETION WITH "THEROSEAL" OR APPROVED EQUAL SEALER.
4. SEWER GUARDS OR WATER TIGHT BOLT DOWN LIDS SHALL BE INSTALLED ON THE SEWER MANHOLES SUBJECT TO FLOODING, OR THAT ARE INSTALLED ON FORCE MAINS.

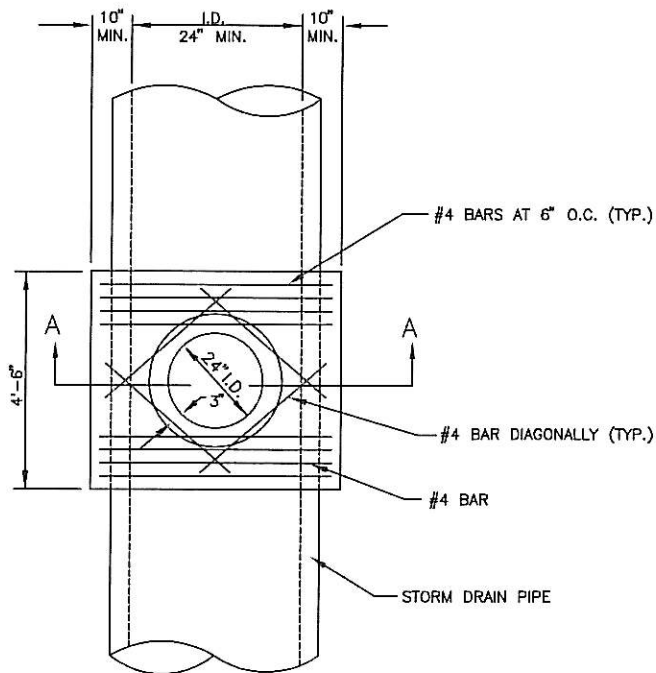
**DEPARTMENT OF PUBLIC WORKS  
CITY OF SOLEDAD**

**TITLE: MANHOLES - TYPE 'A' AND 'B'**

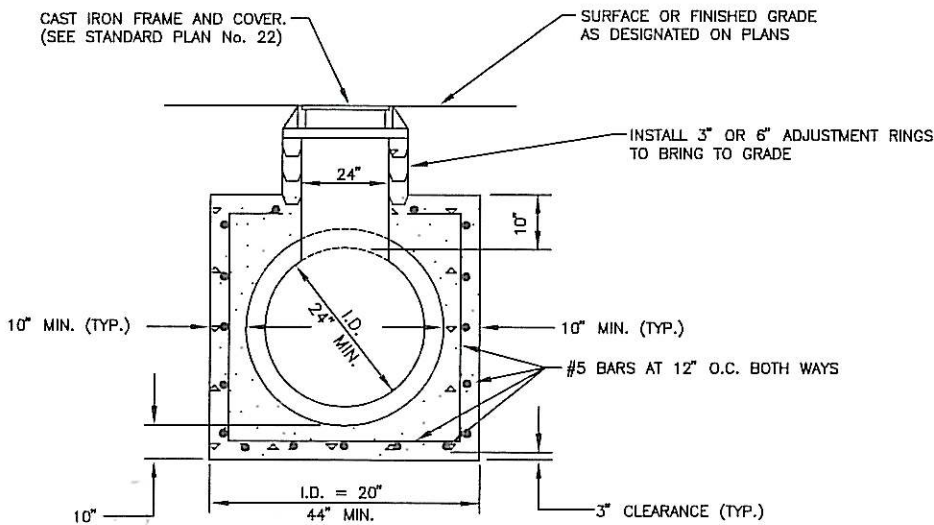
STANDARD PLAN

DESIGNED BY: WAG	APPROVED: <i>Clifton W. Price</i> CLIFTON W. PRICE, DIRECTOR OF PUBLIC WORKS	DATE: 10/18/07
DRAWN BY: HG/AB		
CHECKED BY: WAG		

**24**



PLAN  
(COVER NOT SHOWN)



SECTION A-A

NOTES:

1. THIS MANHOLE TO BE USED IN LOCATIONS WHEN COVER IS LESS THAN 30 INCHES.
2. P.C.C. SHALL BE CLASS 2.

DEPARTMENT OF PUBLIC WORKS  
CITY OF SOLEDAD

TITLE: MANHOLE - TYPE 'C'

STANDARD PLAN

DESIGNED BY:  
WAG  
DRAWN BY:  
HG/AB  
CHECKED BY:  
WAG

APPROVED:

*Clifton W. Price*  
CLIFTON W. PRICE, DIRECTOR OF PUBLIC WORKS

No. 42180  
Exp.

DATE:

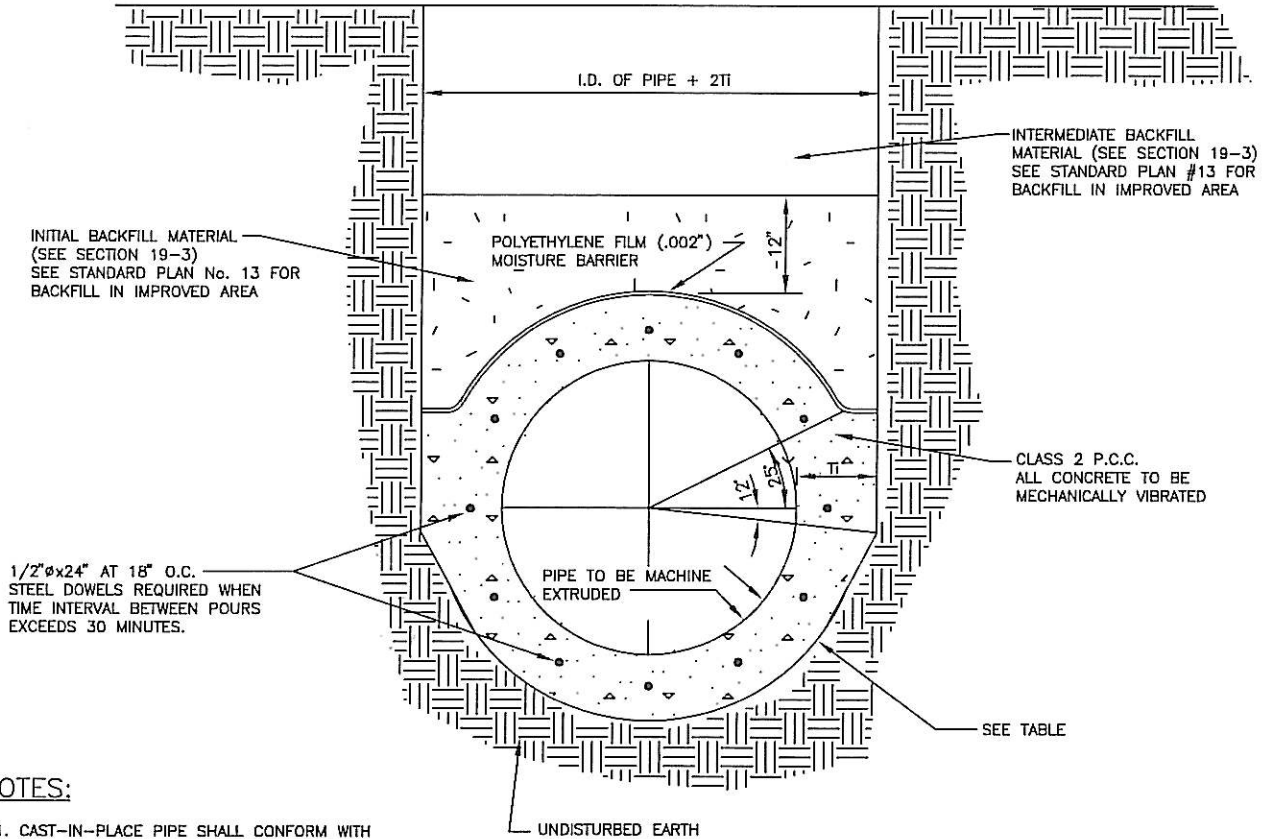
*10/18/07*  
*10/18/07*

25

WALTER A. GRANT, CITY ENGINEER - R.E. 42180 - EXP. 07/03-31-08

TABLE OF INTERNAL DIAMETER AND WALL THICKNESS

NOMINAL INTERNAL DIAMETER IN INCHES	MINIMUM WALL THICKNESS, T IN INCHES	T <sub>i</sub> INCHES
24 TO 30	3	3 3/4
33 OR 36	3 1/2	4 1/4
42	4	4 3/4
48	5	6 1/2
54	5 1/2	7 1/2
60	6	9
66	6 1/2	9
72	7	9
84	8	9
96	9	10 1/2



NOTES:

1. CAST-IN-PLACE PIPE SHALL CONFORM WITH SECTION 63 OF THE STANDARD SPECIFICATIONS.
2. P.C.C. SHALL BE CLASS 2.

DEPARTMENT OF PUBLIC WORKS  
CITY OF SOLEDAD

TITLE: CAST IN PLACE CONCRETE PIPE

STANDARD PLAN

DESIGNED BY:  
WAG  
DRAWN BY:  
CR/AB  
CHECKED BY:  
WAG

APPROVED: *Clifton W. Price*  
CLIFTON W. PRICE, DIRECTOR OF PUBLIC WORKS

REGISTERED PROFESSIONAL ENGINEER  
WALTER A. GRANT  
No. 42180 DATE: 10/10/07  
Exp. 10/10/07  
CIVIL ENGINEER  
STATE OF CALIFORNIA

WALTER A. GRANT, CITY ENGINEER - R.E. 42180 EXP: 03-31-08

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1. ALL CONCRETE, (i.e.: CURB, GUTTER, SIDEWALK, DRIVEWAY APPROACHES AND ACCESS RAMPS) WILL BE COMPLETED WITHOUT DAMAGE, SPALLING OR CRACKS, GRAFFITI OR EXCESS CONCRETE.
2. GUTTER SHALL NOT RETAIN WATER (BIRD BATH) BUT HAVE CONTINUOUS FLOW TO CATCH BASIN.
3. ASPHALT CONCRETE SHALL BE COMPLETE WITHOUT DAMAGE. ROAD SECTIONS SHALL BE PER PLANS AND SPECIFICATIONS WITHOUT DEFECTS OR FAILURES.
4. SIGNAGE AND THERMOPLASTIC STRIPING SHALL BE INSTALLED PER CITY STANDARDS AND SPECIFICATIONS. FIRE HYDRANTS SHALL BE PAINTED PER CITY STANDARDS USING "NEON GRASS" COLORED PAINT UNLESS DIRECTED OTHERWISE BY CITY.
5. INSPECTION OF SUBDIVISION PHASE IMPROVEMENTS SHALL NOT BE ACCEPTED UNTIL CONSTRUCTION IS COMPLETED AND ALL HEAVY EQUIPMENT IS OFF-SITE.
6. ALL AREAS TO BE INSPECTED SHALL BE ACCESSIBLE AND FREE OF ALL DIRT, DUST, TRASH AND DEBRIS, AND STREETS ARE TO BE CLEANED.
7. ALL PUNCH LIST ITEMS SHALL BE COMPLETED PRIOR TO INSPECTION.

**DEPARTMENT OF PUBLIC WORKS**  
CITY OF SOLEDAD

**TITLE:** REQUIREMENTS PRIOR TO PUBLIC WORKS ACCEPTANCE INSPECTION

STANDARD PLAN

DESIGNED BY:  
WAG  
DRAWN BY:  
CR/AB  
CHECKED BY:  
WAG

APPROVED:

*Clifton W. Price*  
CLIFTON W. PRICE, DIRECTOR OF PUBLIC WORKS

WALTER A. GRANT, CITY ENGINEER - R.E. 42180 EXP: 03-31-08



DATE: *10/18/07*  
*10/18/07*

27

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DEPARTMENT OF PUBLIC WORKS  
CITY OF SOLEDAD

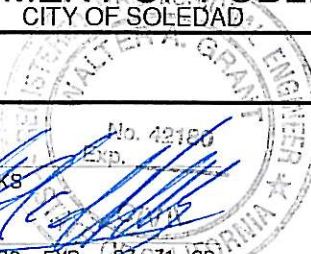
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STANDARD PLAN

DESIGNED BY:  
WAG

APPROVED:

*Clifton W. Price*  
CLIFTON W. PRICE, DIRECTOR OF PUBLIC WORKS



DATE:

*10/18/07*  
*WAG*

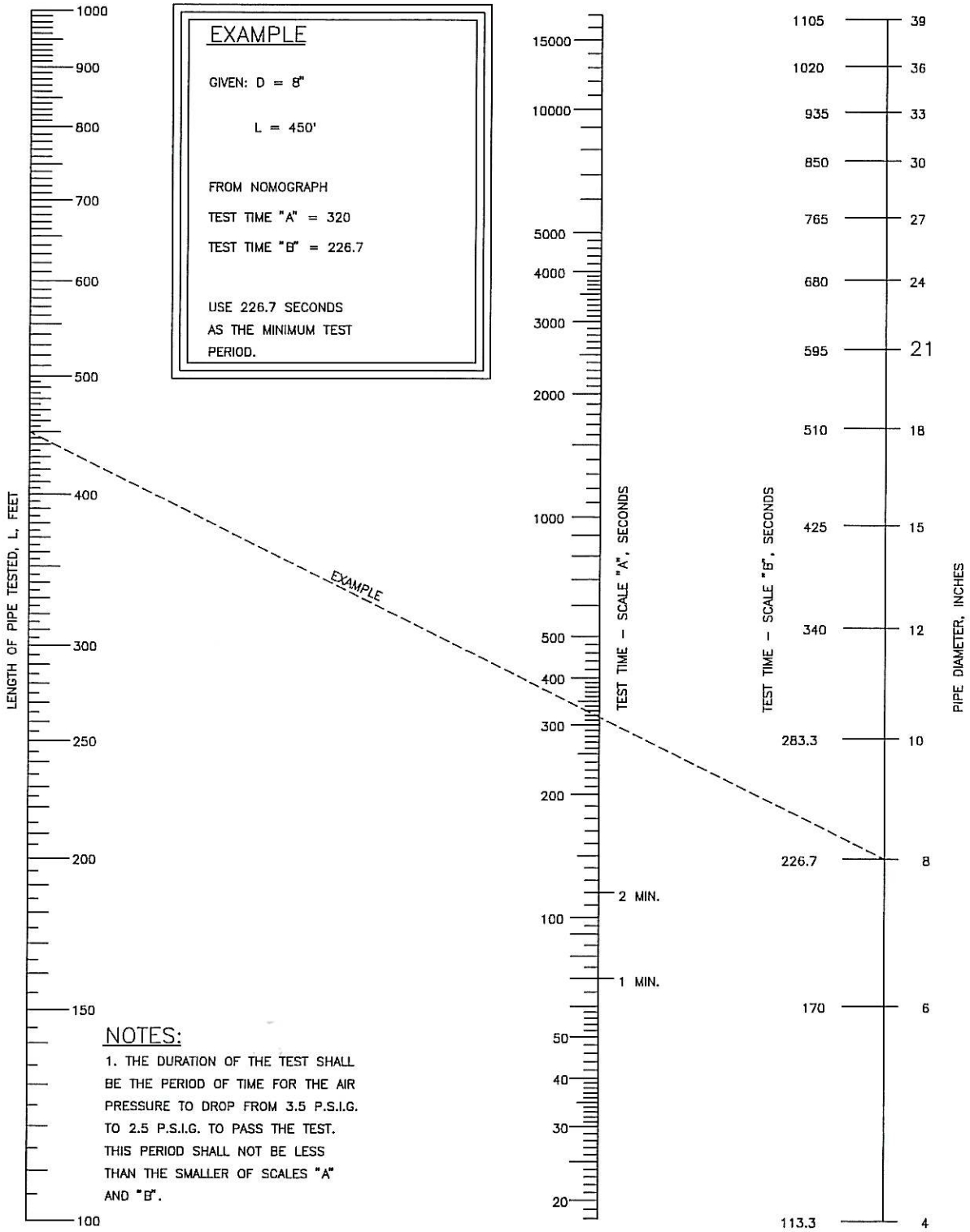
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CLIFTON W. PRICE, DIRECTOR OF PUBLIC WORKS

CHECKED BY:  
WAG

WALTER A. GRANT, CITY ENGINEER - R.E. 42180 EXP: 03-31-08

# 28



DEPARTMENT OF PUBLIC WORKS  
CITY OF SOLEDAD

TITLE: TIME REQUIREMENTS FOR AIR TEST OF SANITARY SEWER

STANDARD PLAN

DESIGNED BY:  
WAG

DRAWN BY:  
HG/AB

CHECKED BY:  
WAG

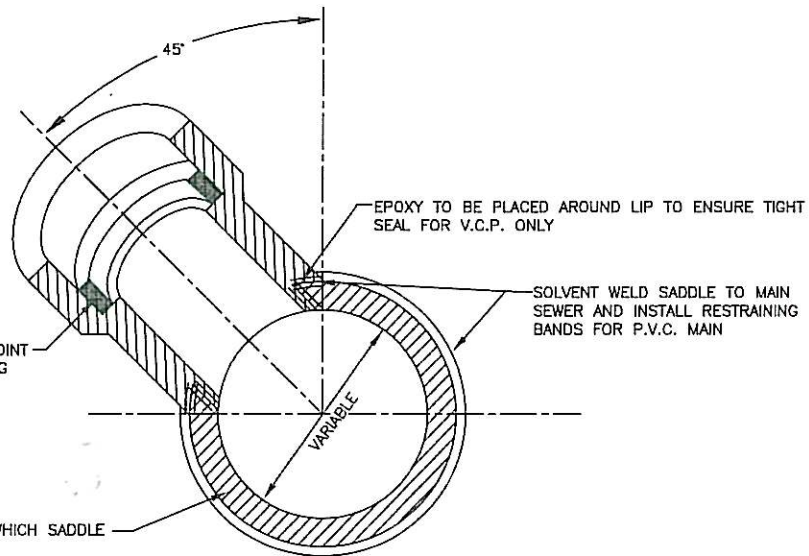
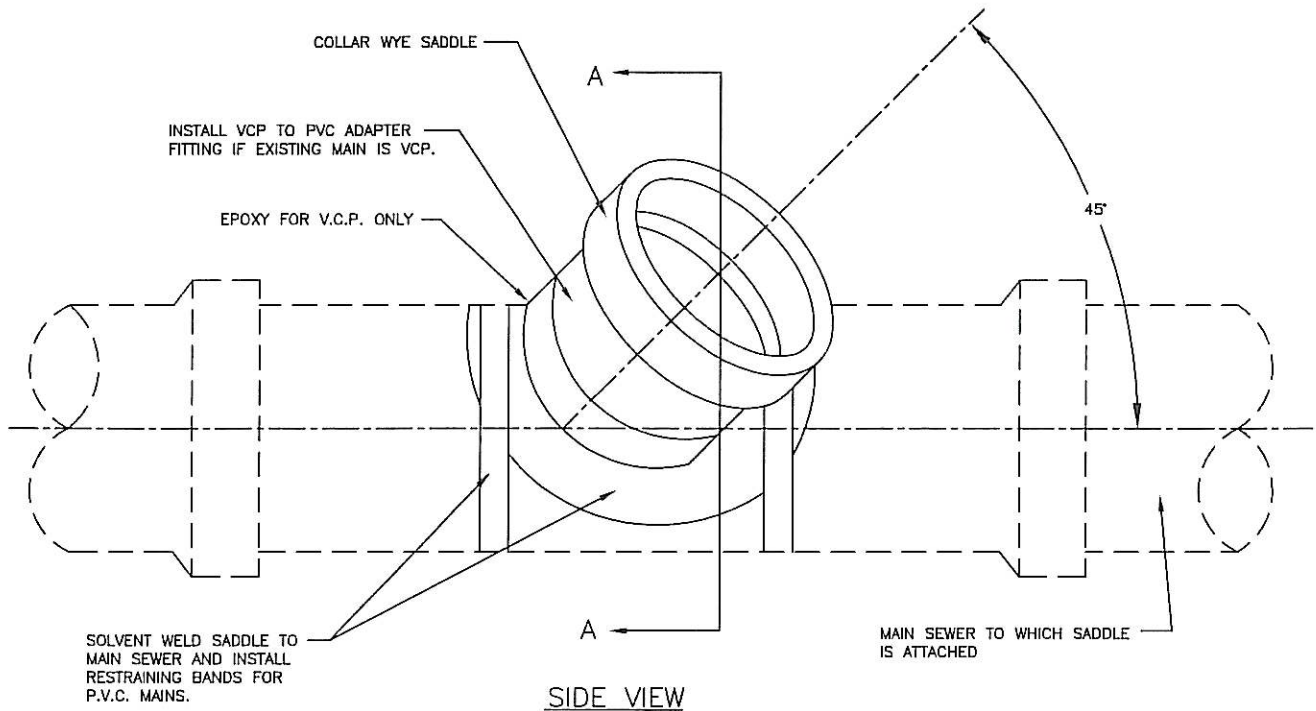
APPROVED:  
*Clifton W. Price*  
CLIFTON W. PRICE, DIRECTOR OF PUBLIC WORKS

No. 42180  
Exp.

DATE: 10/12/07  
*WAG*

WALTER A. GRANT, CITY ENGINEER - R.E. 42180 EXP. 03-31-08

29



SECTION A-A

NOTES:

1. NO SEWER SHALL BE SADDLED WITHOUT PRIOR APPROVAL OF THE ENGINEER.
2. ALL SADDLES SHALL BE APPROVED BY THE ENGINEER BEFORE BACKFILLING.
3. INTEGRAL WYES SHALL BE INSTALLED IN LINE FOR NEW SANITARY SEWER MAIN AND LATERAL INSTALLATIONS.

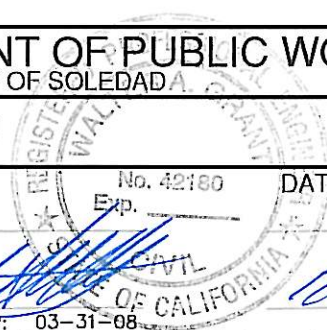
DEPARTMENT OF PUBLIC WORKS  
CITY OF SOLEDAD

TITLE: SEWER SADDLE CONNECTION

STANDARD PLAN

DESIGNED BY:  
WAG  
DRAWN BY:  
HG/AB  
CHECKED BY:  
WAG

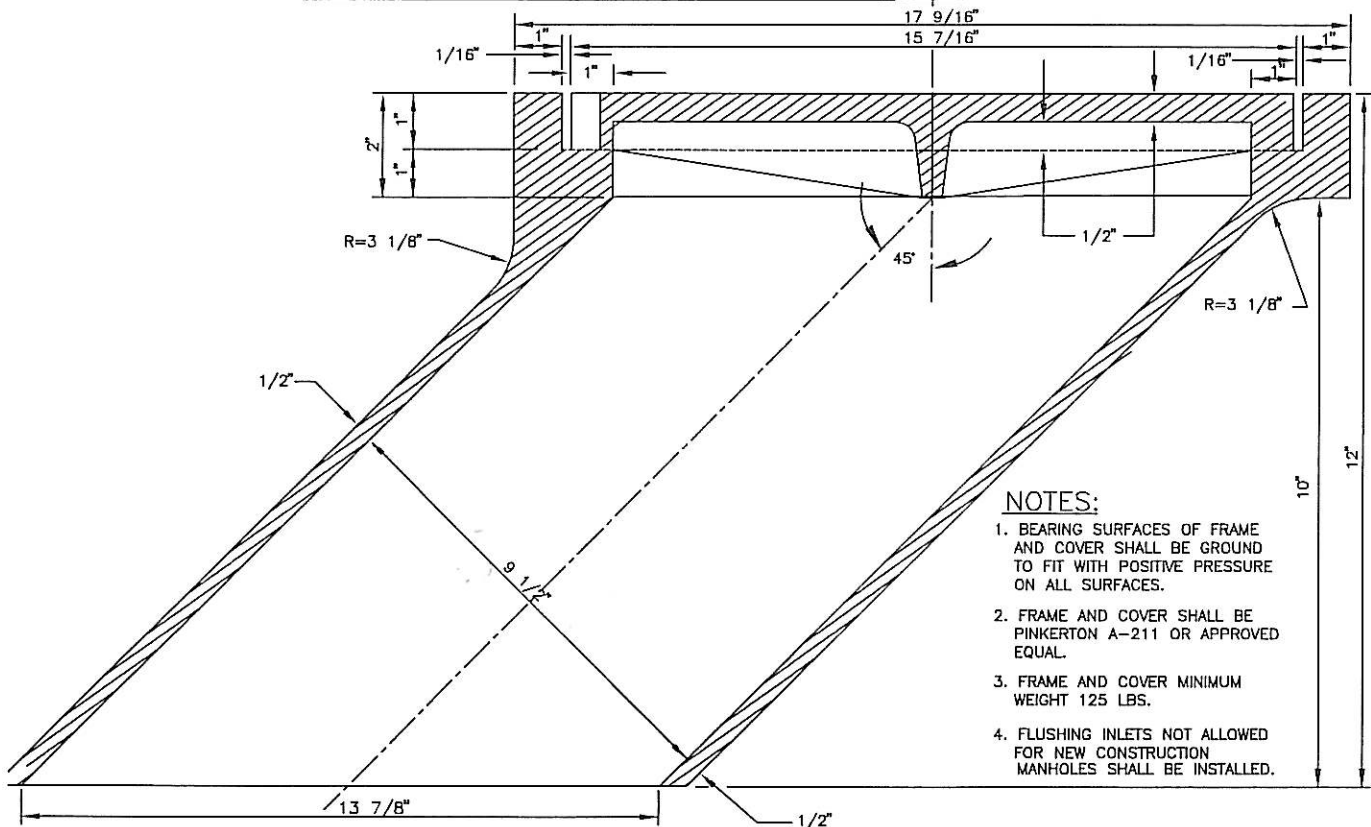
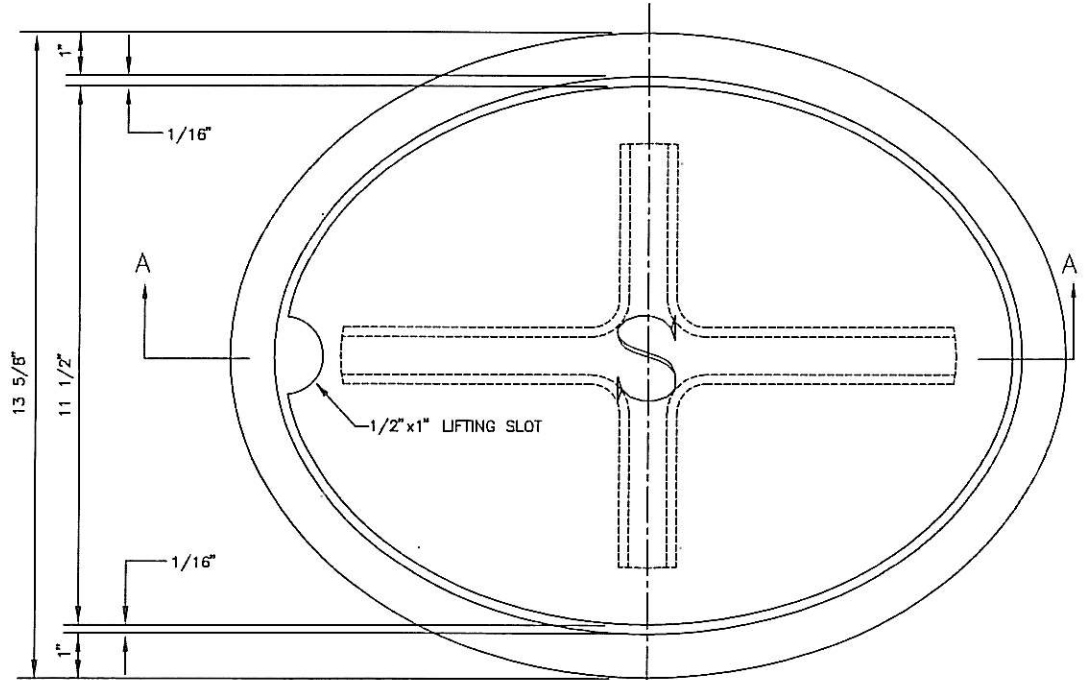
APPROVED: *Clifton W. Price*  
CLIFTON W. PRICE, DIRECTOR OF PUBLIC WORKS  
*Walter A. Grant*  
WALTER A. GRANT, CITY ENGINEER - R.E. 42180 EXP: 03-31-08



DATE: 11/10/07  
*WAG*

30

PLAN OF COVER AND FRAME



NOTES:

1. BEARING SURFACES OF FRAME AND COVER SHALL BE GROUND TO FIT WITH POSITIVE PRESSURE ON ALL SURFACES.
2. FRAME AND COVER SHALL BE PINKERTON A-211 OR APPROVED EQUAL.
3. FRAME AND COVER MINIMUM WEIGHT 125 LBS.
4. FLUSHING INLETS NOT ALLOWED FOR NEW CONSTRUCTION MANHOLES SHALL BE INSTALLED.

SECTION A-A RISER, FRAME AND COVER

DEPARTMENT OF PUBLIC WORKS  
CITY OF SOLEDAD

TITLE: FLUSHING INLET FRAME AND COVER

STANDARD PLAN

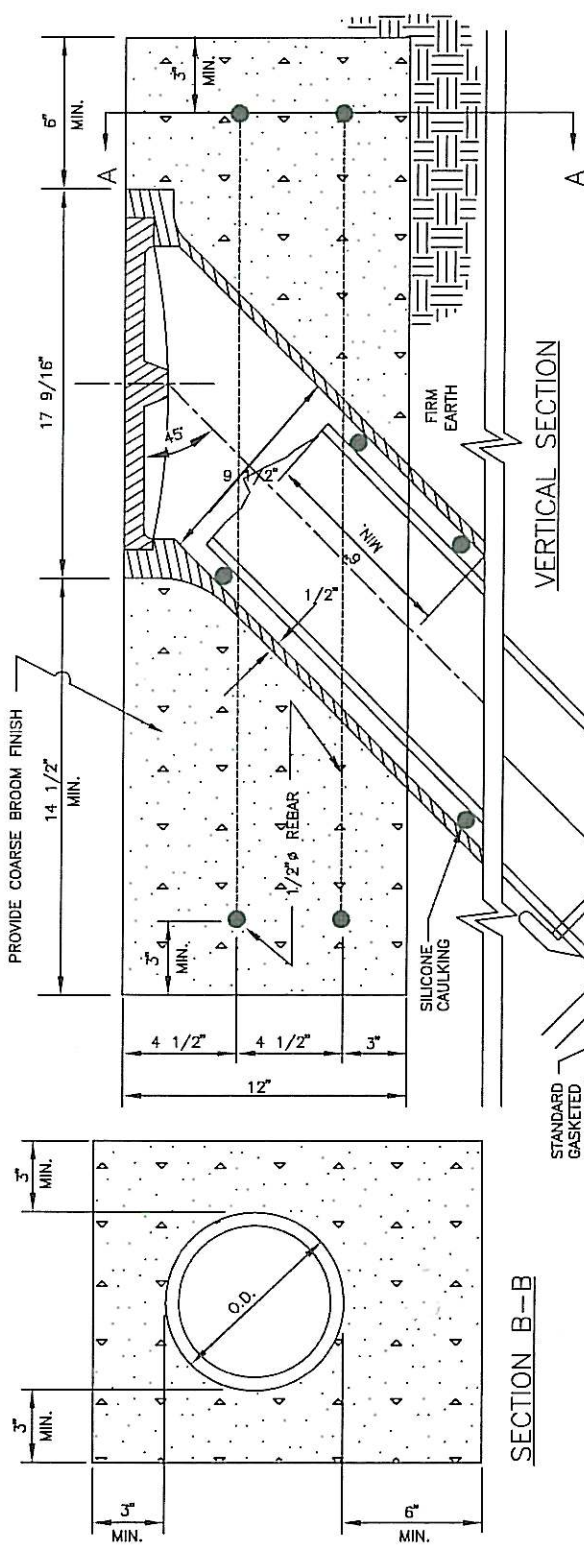
DESIGNED BY:  
WAG  
DRAWN BY:  
HG/AB  
CHECKED BY:  
WAG

APPROVED: *Clifton W. Price*  
CLIFTON W. PRICE, DIRECTOR OF PUBLIC WORKS

REGISTERED PROFESSIONAL ENGINEER  
WALTER A. GRANT  
No. 42,180 DATE: 10/18/07  
Exp. 10/18/07  
CIVIL ENGINEER  
STATE OF CALIFORNIA

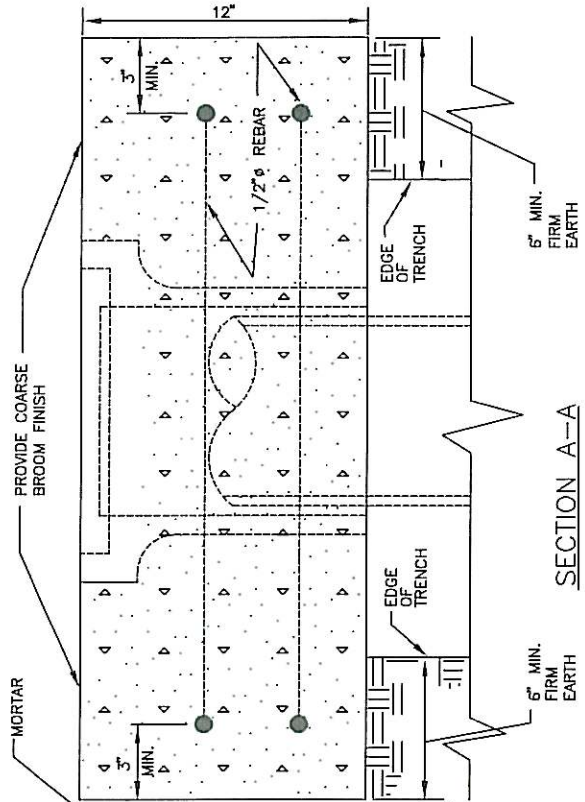
WALTER A. GRANT, CITY ENGINEER - R.E. 42180 EXP: 03-31-08

31

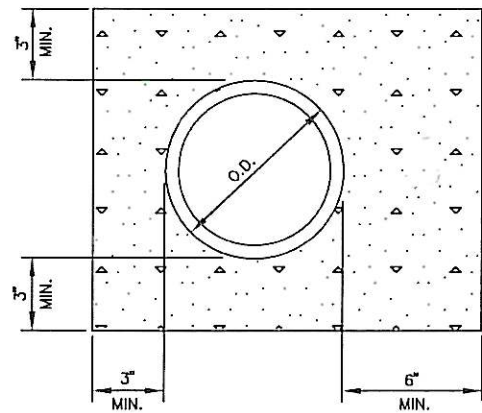


VERTICAL SECTION

- NOTES:
1. PIPE NOT TO BE MADE RIGID WITH CASTING.
  2. SEE STD. PLAN 31 FOR CASTING DETAILS.
  3. CONCRETE SHALL BE CLASS 3 PER SPECS.



SECTION A-A



SECTION B-B

LIMIT OF PAYMENT FOR SEWER LINE

STANDARD GASKETED JOINT(TYP.)

P.V.C. OR A.B.S. PIPE

PLUG

VERTICAL SECTION

NOTE: FLUSHING INLETS NOT ALLOWED FOR NEW CONSTRUCTION MANHOLE SHALL BE INSTALLED.

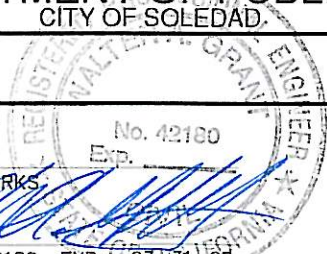
DEPARTMENT OF PUBLIC WORKS  
CITY OF SOLEDAD.

TITLE: FLUSHING INLET

STANDARD PLAN

DESIGNED BY: WAG  
DRAWN BY: HG/AB  
CHECKED BY: WAG

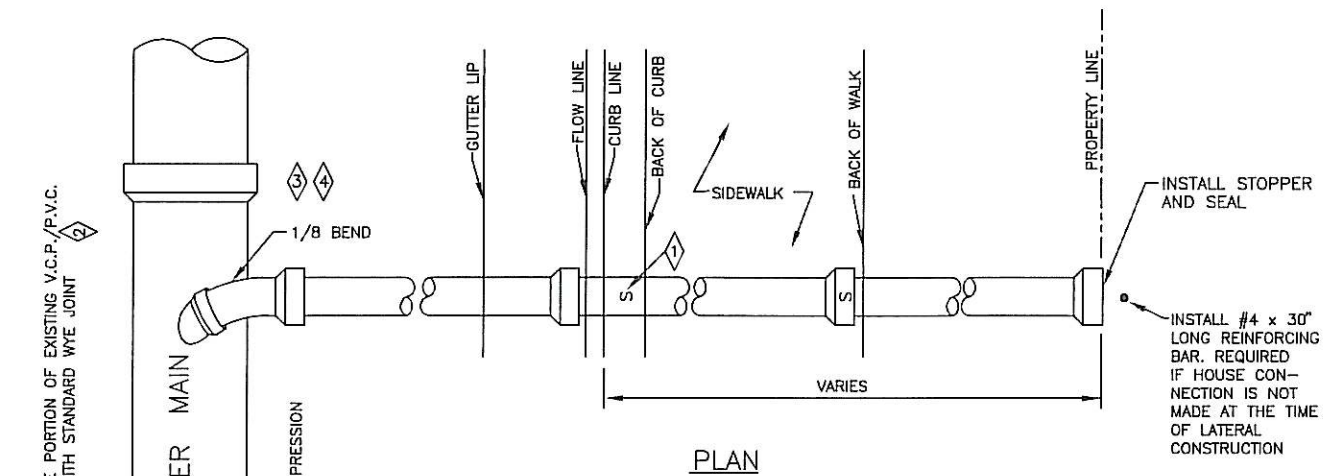
APPROVED: *Clifton W. Price*  
CLIFTON W. PRICE, DIRECTOR OF PUBLIC WORKS



DATE: 10/18/07  
*WAG*

WALTER A. GRANT, CITY ENGINEER - R.E. 42180 EXP. 03-31-08

32



**NOTES:**  
 THE LOCATION OF ALL SEWER LATERALS SHALL BE MARKED WITH A LETTER "S" ON TOP OF CURB OR BACK OF WALK

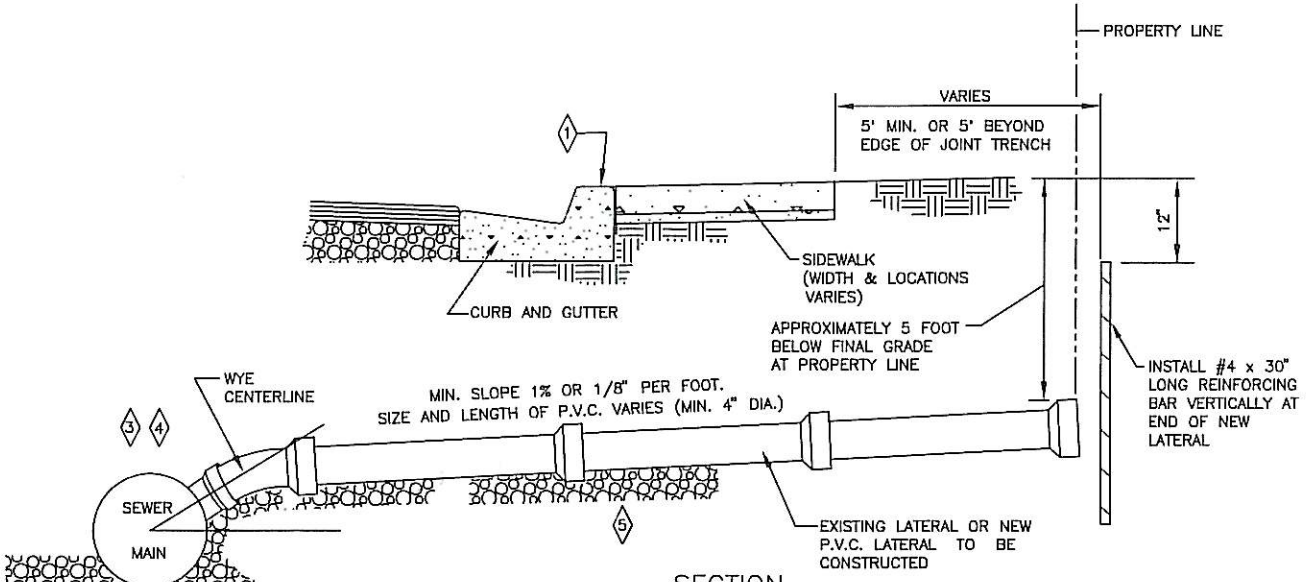
- ① WHERE ONLY CURB AND GUTTER EXISTS OR TO BE CONSTRUCTED LETTER "S" SHALL BE CHISELED OR STAMPED ON TOP OF CURB OVER LATERAL CROSSING. IF LATERAL CROSSES UNDER DRIVEWAYS LETTER "S" SHALL BE PUT ON TOP OF DEPRESSED CURB OR NEAR BACK OF DRIVEWAY.
- ② REPLACE PORTION OF EXISTING V.C.P. OR P.V.C. WITH A NEW WYE JOINT AND JOIN WITH AN APPROVED FLEXIBLE COMPRESSION JOINT, MISSION CLAY PRODUCTS CORP. BOND SEAL OR PACIFIC CLAY PRODUCTS WEDGE-LOCK, WHERE NO WYE EXISTS IN VCP MAIN. UTILIZE SLIP-ON PVC JOINT WHERE EX. MAIN IS PVC.

CUT EXISTING PIPE

REPLACE PORTION OF EXISTING V.C.P./P.V.C. JOINT WITH STANDARD WYE JOINT

INSTALL STOPPER AND SEAL  
 INSTALL #4 x 30" LONG REINFORCING BAR. REQUIRED IF HOUSE CONNECTION IS NOT MADE AT THE TIME OF LATERAL CONSTRUCTION

PLAN



- ③ UNLESS PRIOR APPROVAL FOR A SADDLE CONNECTION IS OBTAINED FROM THE ENGINEER, LATERAL CONNECTION INTO EXISTING MAIN SEWER SHALL BE MADE AT A WYE FITTING AS DETAILED ABOVE. SEE STANDARD PLAN NO. 30.
- ④ MANHOLE IS REQUIRED AT THE JUNCTION OF AN EXISTING SEWER MAIN AND A NEW LATERAL IF THE LATERAL IS 8" OR LARGER.
- ⑤ PIPE BEDDING PER STANDARD PLAN NO. 13.

SECTION

DEPARTMENT OF PUBLIC WORKS  
 CITY OF SOLEDAD

TITLE: SEWER LATERAL

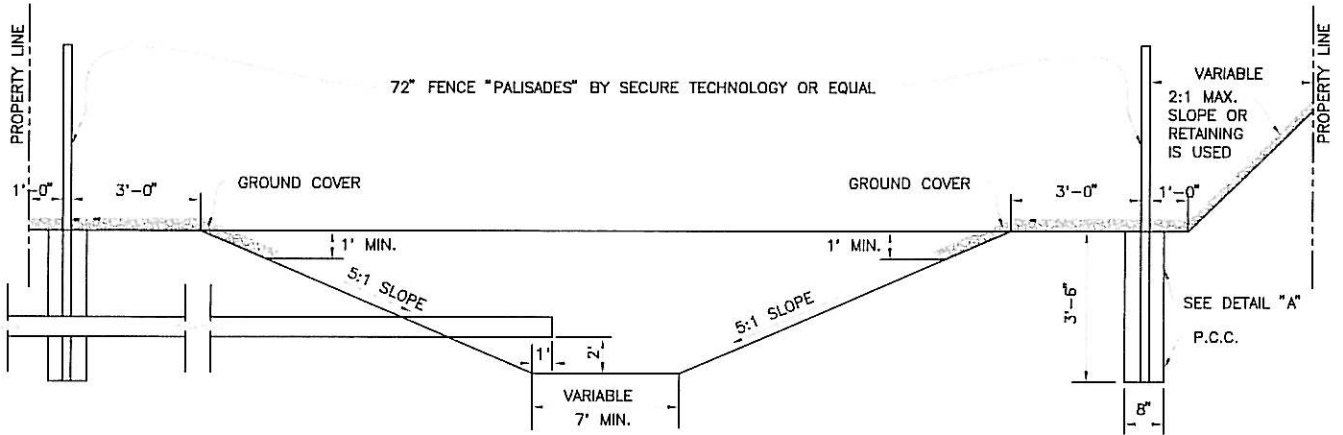
STANDARD PLAN

DESIGNED BY: WAG  
 DRAWN BY: HG/AB  
 CHECKED BY: WAG

APPROVED: *Walter A. Grant*  
 No. 42180  
 Exp. *10/18/07*  
 CLIFTON W. PRICE, DIRECTOR OF PUBLIC WORKS  
 WALTER A. GRANT, CITY ENGINEER - R.E. 42180 EXP. 03-31-08

DATE: *10/18/07*  
*10/18/07*

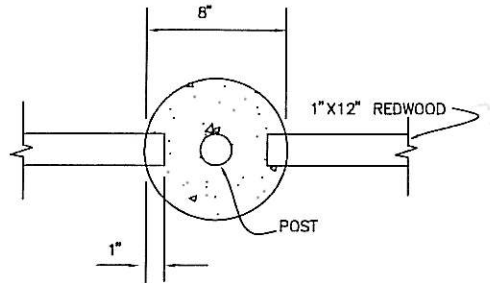
33



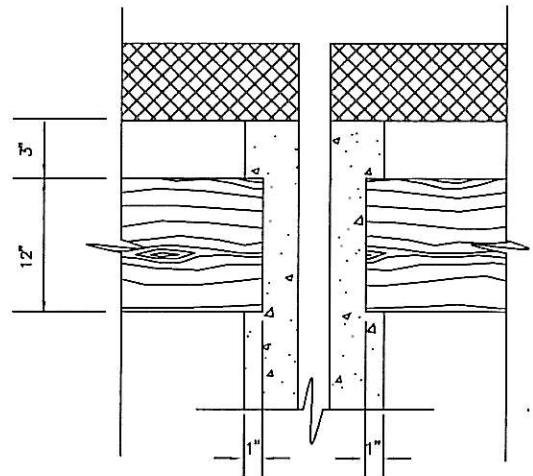
ELEVATION

NOTES:

1. PROVIDE MAINTENANCE ACCESS BY 12' DRIVEWAY FROM STREET TO TOP OF POND SLOPE.
2. BASE AND SURFACING FOR DRIVEWAYS TO BE EQUIVALENT TO STREET DESIGN.
3. PROVIDE DOUBLE 8" DRIVEWAY GATE (16' OPENING).
4. TOP 1' OF POND SLOPE TO PROPERTY LINE TO BE PLANTED WITH GROUND COVER.
5. GATE AND DRAIN SHOULD BE LOCATED NEAR CENTER OF POND.
6. ALL SILT AND OTHER FOREIGN MATERIAL SHALL BE REMOVED FROM POND BEFORE ACCEPTANCE BY THE CITY.
7. FOR POND DESIGN SEE STANDARD PLAN NO. 35.
8. ACCESS INTO POND MUST BE ON 5:1 SLOPE.
9. SPRINKLER SYSTEM IS REQUIRED FOR GROUND COVER.



PLAN



SECTION

DETAIL "A"

DEPARTMENT OF PUBLIC WORKS  
CITY OF SOLEDAD

TITLE: PERCOLATION POND DETAIL

STANDARD PLAN

DESIGNED BY:  
WAG  
DRAWN BY:  
HG/AB  
CHECKED BY:  
WAG

APPROVED:  
*Clifton W. Price*  
CLIFTON W. PRICE, DIRECTOR OF PUBLIC WORKS  
WALTER A. GRANT, CITY ENGINEER - R.E. 42180 EXP: 03-31-08



DATE: 10/18/07

34



STORM WATER DRAINAGE POND DESIGN

1. POND SHALL BE EXCAVATED BELOW NATURAL GROUND WITH NO LEVEES.
2. EXCAVATION SLOPES TO BE 3:1.
3. ENTIRE AREA SHALL BE ENCLOSED WITH A 6 FOOT NON-SCALABLE METAL PICKET FENCE "PALISADES" BY SECURE TECHNOLOGY OR EQUIVALENT. THE FENCE SHALL BE LOCATED IN CONFORMANCE WITH SUBDIVISION SETBACK LINES AND SHALL PROVIDE A SIX FOOT WIDE ACCESS PATH AROUND THE POND PERIMETER. A 16 FOOT WIDE ACCESS GATE SHALL BE PROVIDED. CUT SLOPES SHALL BE PLANTED WITH GROUND COVER.
4. HYDRAULIC DESIGN FACTORS SHALL BE AS FOLLOWS:

(A) THE DESIGN OF THE STORM WATER DRAINAGE POND SHALL BE BASED UPON A RAINFALL EXPRESSED BY THE FOLLOWING FORMULA:

$$i = \frac{6.2B}{\sqrt{t}}$$

WHERE i = INTENSITY OF RAINFALL IN INCHES PER HOUR

t = DURATION OF STORM IN MINUTES

(B) RUNOFF FACTORS ARE:

1. RESIDENTIAL AREAS R-1            35% - 50%
2. UNDEVELOPED AREAS            5%
3. APARTMENT OR CONDOMINIUM   60-85%

(C) MAXI. PERCOLATION RATE FOR STORM WATER DRAINAGE POND DESIGN IS 2" PER HOUR.

5. THE AREA TO BE USED IN RUNOFF CALCULATIONS SHALL INCLUDE THE PROPOSED SUBDIVISION AND ALL DEVELOPED AND UNDEVELOPED AREAS DRAINING INTO THE PROPOSED SUBDIVISION.
6. REFER TO STD. PLAN NO. 34 FOR RETENTION POND DETAILS.
7. USE 100 YR. 24HR STORM DURATION.

**DEPARTMENT OF PUBLIC WORKS**  
CITY OF SOLEDAD

**TITLE: STORM WATER DRAINAGE POND DESIGNS**

STANDARD PLAN

DESIGNED BY:  
WAG  
DRAWN BY:  
HG/AB  
CHECKED BY:  
WAG

APPROVED

*Clifton W. Price*  
CLIFTON W. PRICE, DIRECTOR OF PUBLIC WORKS

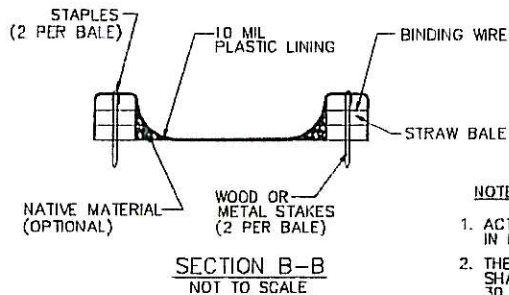
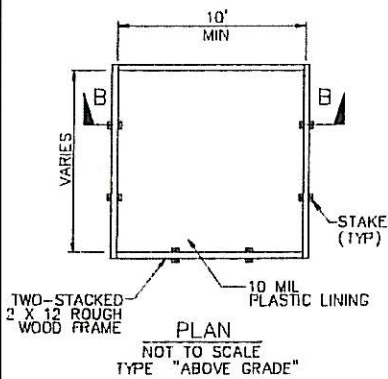
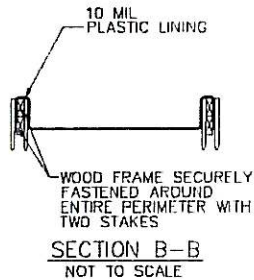
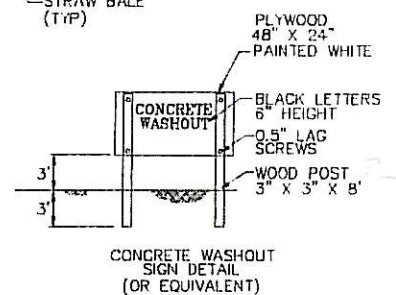
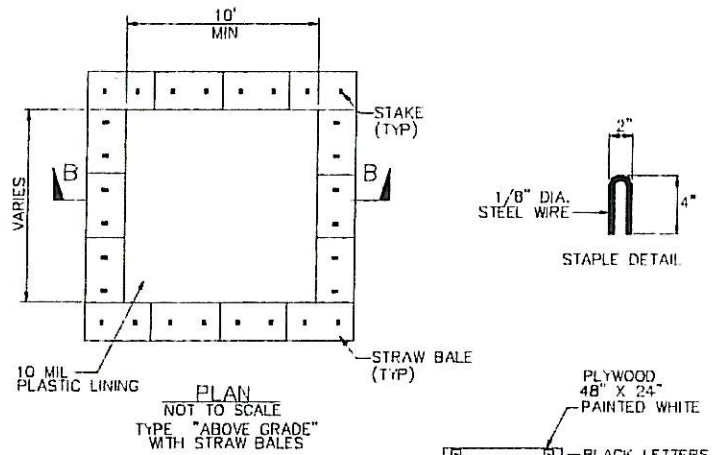
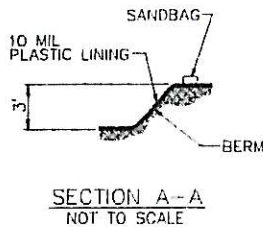
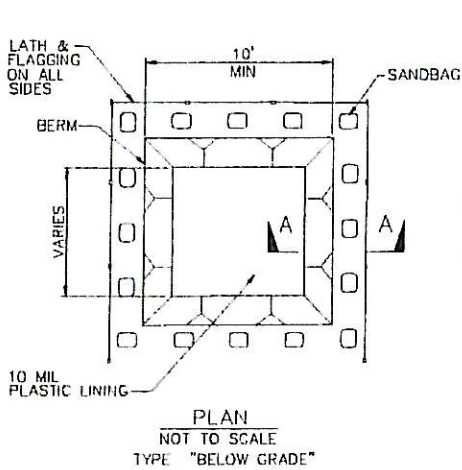
*Walter A. Grant*  
WALTER A. GRANT, CITY ENGINEER R.E. 42180 EXP: 03-31-08



DATE:

*10/18/07*  
*10/18/07*

**35**



**NOTES:**

1. CONCRETE WASHOUT AREA SHALL BE INSTALLED PRIOR TO ANY CONCRETE PLACEMENT ON SITE.
2. SIGNS SHALL BE PLACED AT THE CONSTRUCTION ENTRANCE, AT THE WASHOUT AREA, AND ELSEWHERE AS NECESSARY TO CLEARLY INDICATE THE LOCATION OF THE CONCRETE WASHOUT AREA TO OPERATORS OF CONCRETE TRUCKS.
3. THE CONCRETE WASHOUT AREA SHALL BE REPAIRED AND ENLARGED OR CLEANED OUT AS NECESSARY TO MAINTAIN CAPACITY FOR WASTED CONCRETE.
4. AT THE END OF CONSTRUCTION, ALL CONCRETE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF AT AN ACCEPTED WASTE SITE.
5. WHEN THE CONCRETE WASHOUT AREA IS REMOVED, THE DISTURBED AREA SHALL BE SEEDED AND MULCHED OR OTHERWISE STABILIZED IN A MANNER ACCEPTED BY THE CITY.

**NOTES**

1. ACTUAL LAYOUT DETERMINED IN FIELD.
2. THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 30 FT. OF THE TEMPORARY CONCRETE WASHOUT FACILITY.

**DEPARTMENT OF PUBLIC WORKS**  
CITY OF SOLEDAD

**TITLE: CONCRETE WASHOUT BASIN**

STANDARD PLAN

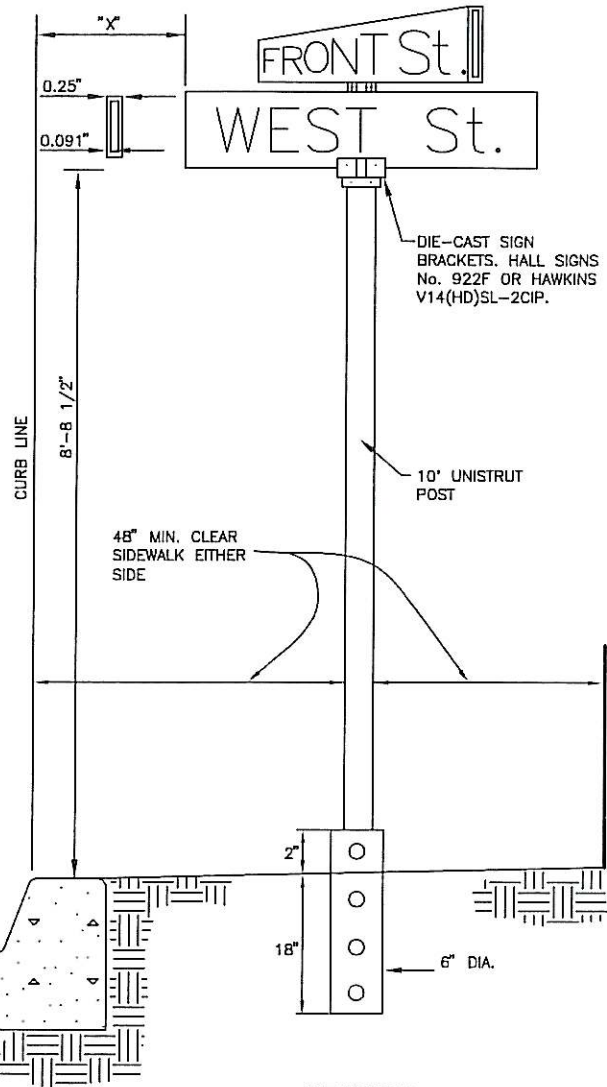
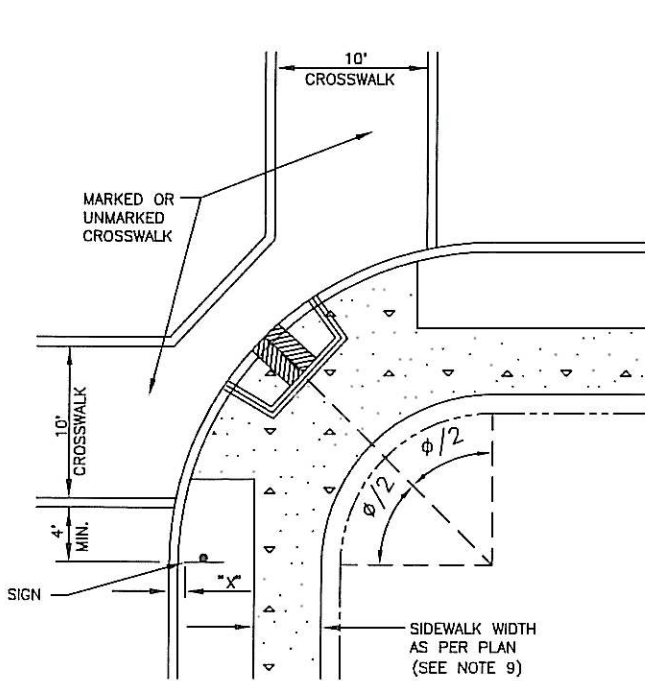
DESIGNED BY:  
WAG  
DRAWN BY:  
HG/AB  
CHECKED BY:  
WAG

APPROVED: *Clifton W. Price*  
CLIFTON W. PRICE, DIRECTOR OF PUBLIC WORKS  
WALTER A. GRANT, CITY ENGINEER - R.E. 42180 EXP: 03-31-08



DATE: 10/18/07  
*WAG*

**36**



SECTION

NOTES:

1. STREET NAME SIGNS SHALL BE ZUMAR INDUSTRIES HOLLOW EXTRUDED BLADE DOUBLE FACED 1" TOTAL THICKNESS FACE TO FACE OR EQUAL AS APPROVED BY THE CITY ENGINEER.
2. SIGN FINISH SHALL BE ENGINEER GRADE INTERSTATE GREEN BACKGROUND WITH WHITE LETTERS.
3. DIMENSION "X" SHALL BE SUCH THAT THE MINIMUM CLEARANCE BETWEEN CURB LINE THE FURTHEST PROTRUSION OF THE SIGNS TOWARD THE STREET SHALL BE NOT LESS THAN 12 INCHES.
4. STREET NAME LETTERS SHALL BE 4" UPPER CASE, 3" LOWER CASE. ABBREVIATIONS SHALL BE 2" UPPER CASE, 1 1/2" LOWER CASE.
5. CHECK WITH PLANNING DIRECTOR TO VERIFY STREET NAME.
6. SET CENTERLINE OF POST 2' (MIN) BEHIND BACK OF WALK WHERE MONOLITHIC SIDEWALK OCCURS.

DEPARTMENT OF PUBLIC WORKS  
CITY OF SOLEDAD

TITLE: STREET NAME SIGNS

STANDARD PLAN

DESIGNED BY:  
WAG

APPROVED:

*Clifton W. Price*

No. 42180  
Exp.

DATE:

*10/18/07*

DRAWN BY:  
CR/AB

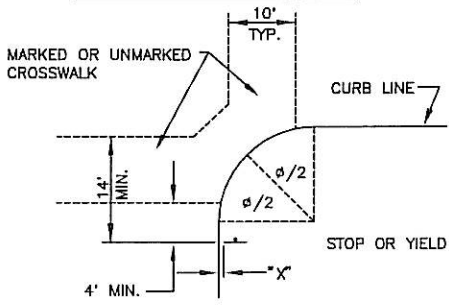
CLIFTON W. PRICE, DIRECTOR OF PUBLIC WORKS

CHECKED BY:  
WAG

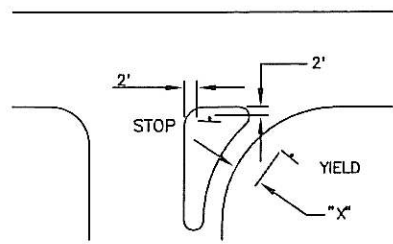
WALTER A. GRANT, CITY ENGINEER - R.E. 42180 EXP: 03-31-08

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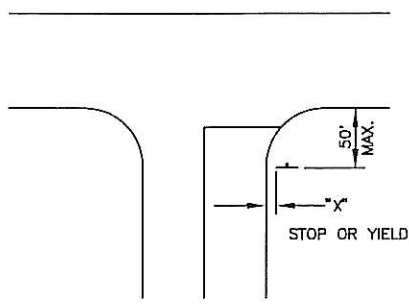
**TYPICAL LOCATIONS**



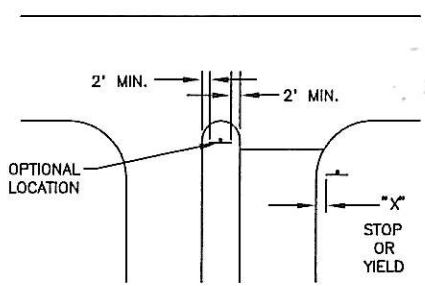
**URBAN INTERSECTION**



**CHANNELIZED INTERSECTION**



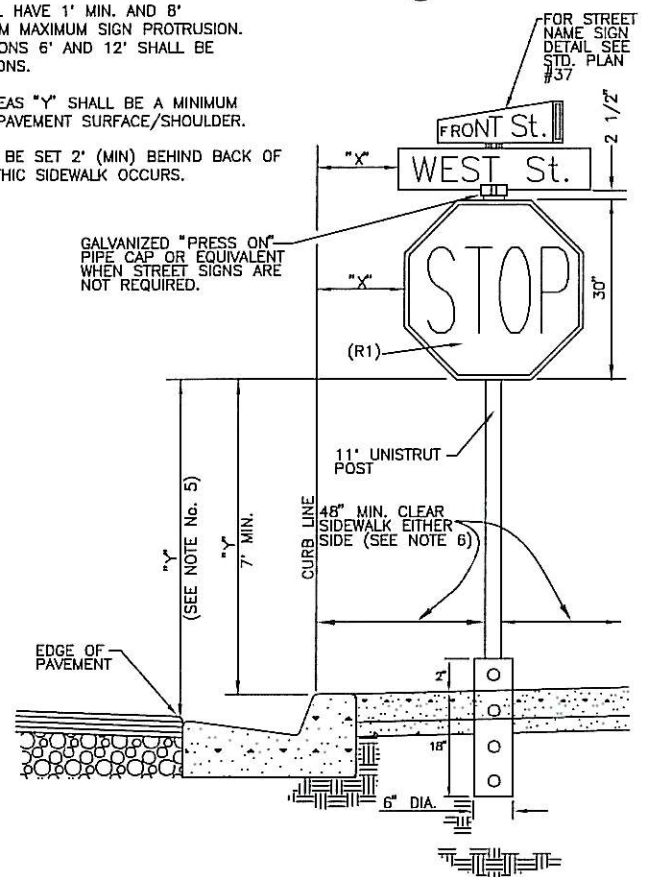
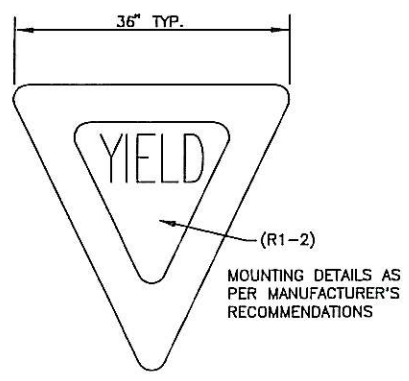
**WIDE THROAT INTERSECTION**



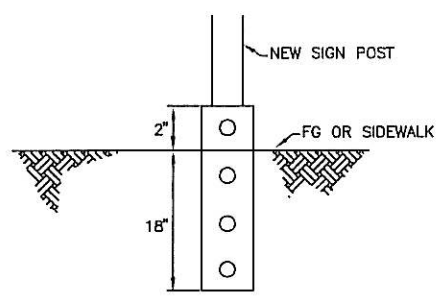
**DIVISIONAL ISLAND**

**NOTES:**

1. STOP SIGNS SHALL BE MINIMUM 30" REFLECTIVE TYPE, AS PER CALIF. STATE SPECIFICATIONS (R1 SIGNS).
2. YIELD SIGNS SHALL BE 36" REFLECTIVE TYPE AS PER CALIF. STATE SPECIFICATIONS. (R1-2 SIGNS).
3. SIGNS SHALL ALWAYS BE ERECTED AT THE POINT WHERE THE VEHICLE IS TO STOP OR AS NEAR THERTO AS POSSIBLE. IN NO CASE SHALL EITHER SIGN BE PLACED IN EXCESS OF 50' FROM THE INTERSECTION OF THE ROAD.
4. DIMENSION "X" SHALL HAVE 1' MIN. AND 8' MAX. CLEARANCE FROM MAXIMUM SIGN PROTRUSION. FOR RURAL APPLICATIONS 6' AND 12' SHALL BE THE LIMITING DIMENSIONS.
5. FOR UNIMPROVED AREAS "Y" SHALL BE A MINIMUM OF 7' HEIGHT FROM PAVEMENT SURFACE/SHOULDER.
6. C/L OF POST SHALL BE SET 2' (MIN) BEHIND BACK OF WALK WHERE MONOLITHIC SIDEWALK OCCURS.



**SIGN INSTALLATION DETAIL**



**UNISTRUT POST BASE  
NO SCALE**

**DEPARTMENT OF PUBLIC WORKS  
CITY OF SOLEDAD**

**TITLE: TRAFFIC SIGNS (STOP - YIELD)**

**STANDARD PLAN**

DESIGNED BY: WAG  
DRAWN BY: CR/AB  
CHECKED BY: WAG

APPROVED: *Clifton W. Price*  
CLIFTON W. PRICE, DIRECTOR OF PUBLIC WORKS  
DATE: 10/19/07  
No. 42180 Exp. 10/19/07  
WALTER A. GRANT, CITY ENGINEER - R.E. 42180 EXP: 03-31-08

**38**

NOTES

1. PAVEMENT MARKERS SHALL BE STIMSONITE OR APPROVED EQUAL.
2. LOCATION/PLACEMENT OF CONTROL POINTS AND PRELIMINARY MARKINGS SHALL BE SUBJECT TO APPROVAL OF THE CITY ENGINEER.
3. PAVEMENT MARKINGS AND STRIPING SHALL BE THERMO-PLASTIC PER CALTRANS STANDARD SPECIFICATIONS.
4. REFLECTORIZATION (GLASS SPHERES) SHALL BE APPLIED.
5. FIELD APPLIED THERMOPLASTIC (NOT PRECUT APPLIED MARKING) SHALL BE APPLIED WHEN WIND SPEED IS BELOW 20 MPH UNLESS PRIOR APPROVAL IS GRANTED BY DIRECTOR OF PUBLIC WORKS.
6. ALL SIGNING, STRIPING, PAVEMENT MARKINGS, AND TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE REQUIREMENTS OF THE NATIONAL HIGHWAY TRAFFIC SAFETY ADMINISTRATION MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) LATEST ADOPTED REVISION AND THE LATEST EDITION OF CALTRANS STANDARD PLANS AND STANDARD SPECIFICATIONS.

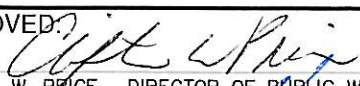
DEPARTMENT OF PUBLIC WORKS  
CITY OF SOLEDAD

TITLE: RAISED PAVEMENT MARKERS AND STRIPING

STANDARD PLAN

DESIGNED BY:  
WAG

APPROVED:



No. 42180  
Exp.

DATE:

10/18/07

DRAWN BY:  
HG/AB

CLIFTON W. PRICE, DIRECTOR OF PUBLIC WORKS

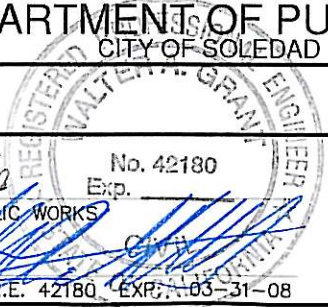
CHECKED BY:  
WAG

WALTER A. GRANT, CITY ENGINEER - R.E. 42180 EXP: 03-31-08, CALIFORNIA

39

NOT  
USED

DEPARTMENT OF PUBLIC WORKS  
CITY OF SOLEDAD



TITLE: NOT USED

STANDARD PLAN

DESIGNED BY:  
WAG

APPROVED:

*Clifton W. Price*

No. 42180  
Exp.

DATE:  
*10/14/07*

DRAWN BY:  
HG/AB

CLIFTON W. PRICE, DIRECTOR OF PUBLIC WORKS

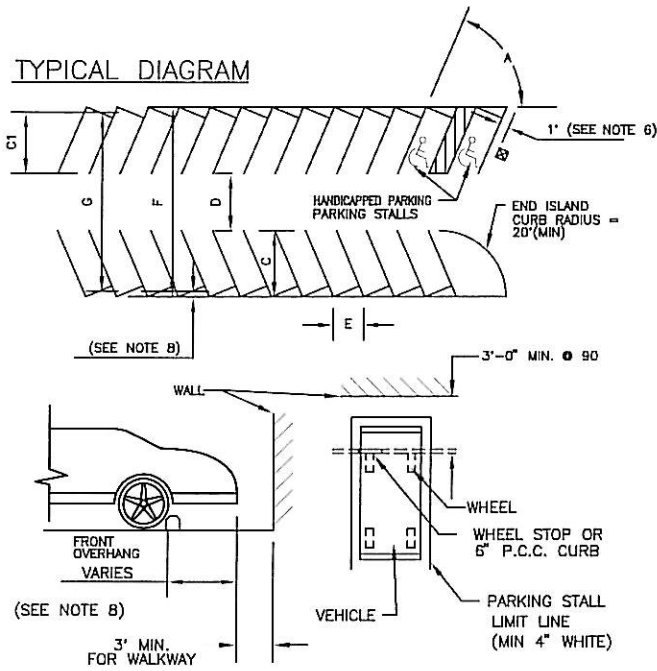
*10/14/07*

CHECKED BY:  
WAG

WALTER A. GRANT, CITY ENGINEER R.E. 42180 EXP. 03-31-08

40

TYPICAL DIAGRAM

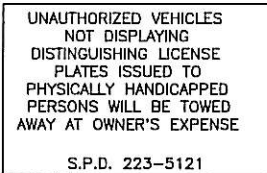


LEGEND

- A PARKING ANGLE
- B STALL WIDTH
- C STALL PROJECTION
- C1 STALL PROJECTION
- D\* AISLE WIDTH
- E CURB LENGTH PER STALL
- F BAY WIDTH—CURB TO CURB
- G BAY WIDTH — OVERLAP CENTER TO CENTER



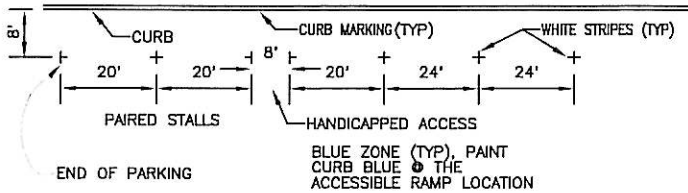
STATE STANDARD R99 SIGN  
WHITE ON BLUE  
12" X 18"  
3" SERIES B LETTERS



CITY STANDARD SIGN  
BLACK ON WHITE  
MINIMUM SIZE 22" X 17"  
MINIMUM 1" LETTER SIZE

S.P.D. 223-5121  
INSTALL SIGN B WHEN SHOWN ON PLANS OR REQUIRED BY THE CITY ENGINEER.

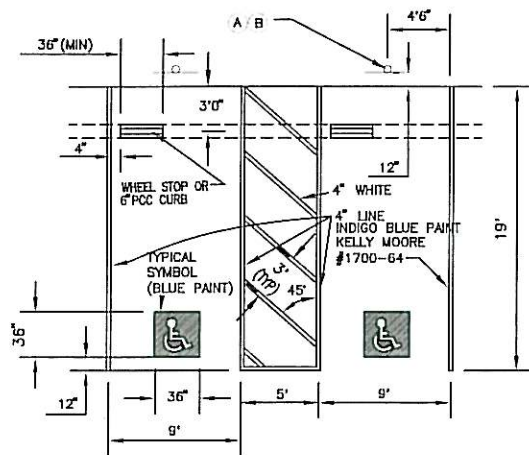
PARALLEL STALL DETAIL



SPACE REQUIREMENTS AT VARIOUS PARKING ANGLES\*\*

	A	B	C	D*	E	F	G	C1 t
30	8'6"	16'11"	11'0"	17'0"	44'10"	37'6"	13'3"	
	9'0"	17'4"	11'0"	18'0"	45'8"	38'0"	13'6"	
	9'6"	17'9"	11'0"	19'0"	46'6"	38'4"	13'8"	
45	10'0"	18'2"	11'0"	20'0"	47'4"	38'8"	13'10"	
	8'6"	19'6"	13'6"	12'1"	52'6"	46'6"	16'6"	
	9'0"	19'10"	13'0"	12'9"	52'8"	46'4"	16'8"	
60	9'6"	20'2"	13'0"	13'6"	53'4"	46'8"	16'10"	
	10'0"	20'6"	13'0"	14'2"	54'0"	47'0"	17'0"	
	8'6"	20'8"	18'6"	9'10"	59'10"	55'10"	18'8"	
90	9'0"	21'0"	18'0"	10'5"	60'0"	55'6"	18'9"	
	9'6"	21'2"	18'0"	11'0"	60'4"	55'10"	18'11"	
	10'0"	21'6"	18'0"	11'7"	61'0"	56'0"	19'0"	
	8'6"	19'0"	25'0"	8'6"	63'0"	63'0"	19'0"	
	9'0"	19'0"	24'0"	9'0"	62'0"	62'0"	19'0"	
	9'6"	19'0"	24'0"	9'6"	62'0"	62'0"	19'0"	
	10'0"	19'0"	24'0"	10'0"	62'0"	62'0"	19'0"	

\*ONE WAY AISLE WIDTH - 24' MINIMUM AISLE WIDTH FOR 2-WAY CIRCULATION  
\*\*OTHER ANGLES ALLOWED PER NOTE 7 EXCLUDES OVERHANG ALLOWANCE



NOTES

- PAVEMENT MARKINGS AND STRIPING SHALL BE THERMOPLASTIC.
- REFLECTORIZATION (GLASS SPHERES) SHALL BE APPLIED TO THERMOPLASTIC STRIPING & MARKINGS.
- LOCATION AND PLACEMENT OF CONTROL POINTS AND PRELIMINARY MARKINGS ARE SUBJECT TO APPROVAL BY THE ENGINEER.
- SIGNS SHALL BE IN ACCORDANCE WITH SECTION 56-2 OF THE STANDARD SPECIFICATIONS AND PLANS.
- PARKING STALLS SHALL HAVE A MINIMUM SIDE CLEARANCE OF 1' FROM COLUMNS, WALLS AND OTHER STRUCTURES.
- ALTERNATE PARKING ANGLES AND/OR LAYOUTS SHALL BE SUBMITTED TO THE CITY ENGINEER FOR REVIEW AND APPROVAL.
- PARKING OVERHANG ALLOWANCE IS: 1'-11" FOR 30°; 2'-5" FOR 45°; 2'-9" FOR 60°; AND 3'-0" FOR 90° PARKING ANGLES.
- IF ADA REQUIREMENTS ARE AMENDED, ADA STANDARDS SHALL GOVERN IF THESE STANDARDS DO NOT MEET OR EXCEED ADA STANDARDS.
- COMPACT PARKING STALLS MAY BE NO SMALLER THAN EIGHT AND ONE HALF FEET BY SEVENTEEN AND ONE HALF FEET. PROVIDED THE NUMBER OF COMPACT SPACES DOES NOT EXCEED 50% OF THE TOTAL NUMBER OF SPACES. COMPACT STALLS SHALL BE MARKED.

DEPARTMENT OF PUBLIC WORKS

CITY OF SOLEDAD

TITLE: PARKING STANDARDS

STANDARD PLAN

DESIGNED BY: WAG

APPROVED:

DRAWN BY: CR/AB

CLIFTON W. PRICE, DIRECTOR OF PUBLIC WORKS

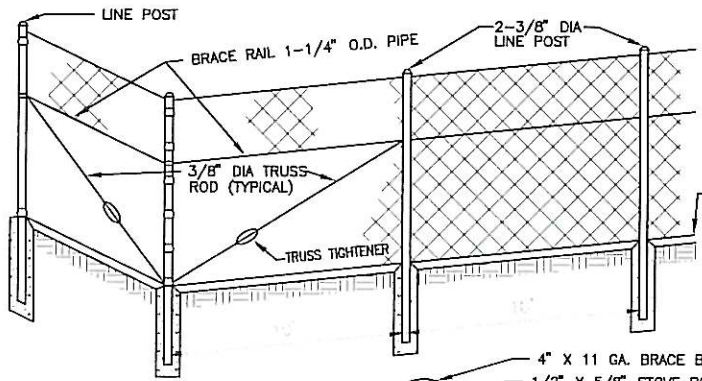
CHECKED BY: WAG

WALTER A. GRANT, CITY ENGINEER R.E. 42180 EXP: 03-31-08

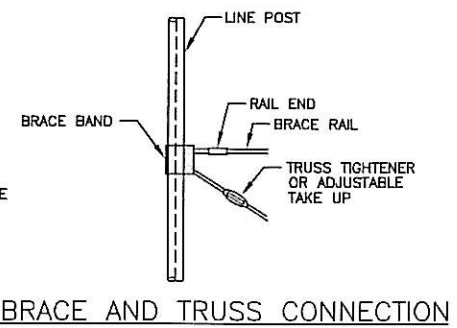
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10/18/07

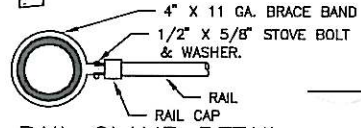
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END, CORNER POST



BRACE AND TRUSS CONNECTION

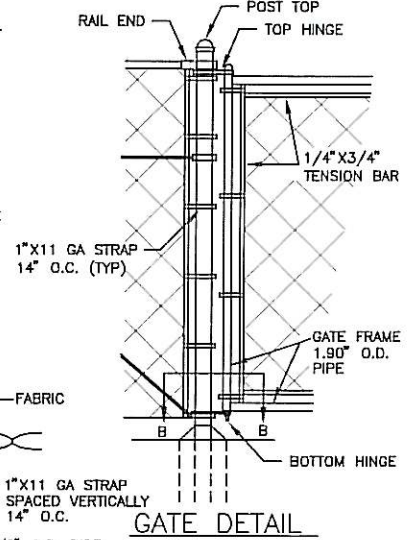
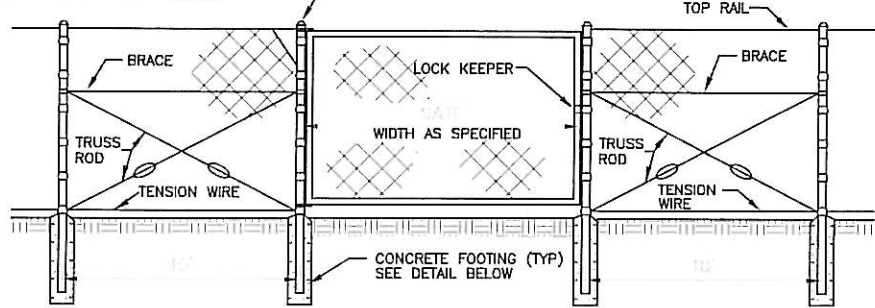


RAIL CLAMP DETAIL

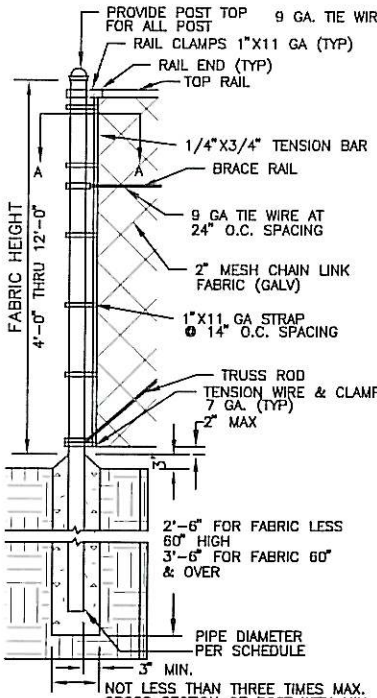


FABRIC AND LINE POST CONNECTION

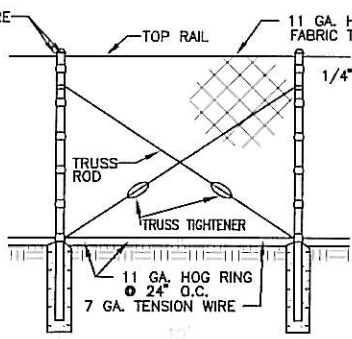
TYPE CL-4 = 48" FABRIC  
 TYPE CL-6 = 72" FABRIC  
 TYPE CL-8 = 96" FABRIC



GATE DETAIL



END AND CORNER POST ASSEMBLY



SECTION A-A

LINE POSTS AT 1,000 FT MAXIMUM INTERVALS TRUSSED IN BOTH DIRECTIONS

GENERAL NOTES:

1. CHAIN LINK FABRIC SHALL BE 11-GAUGE FOR ALL FENCES 84 INCHES OR LESS IN HEIGHT AND SHALL BE 9-GAUGE FOR ALL FENCES OVER 84 INCHES IN HEIGHT.
2. IN ALL BALL PARK AREA, CHAIN LINK FABRIC SHALL BE 9-GAUGE FOR ALL HEIGHTS UNLESS OTHERWISE SPECIFIED.
3. TRUSS RODS SHALL HAVE TRUSS TIGHTENERS OR ADJUSTABLE HINGE TAKE-UP APPROVED BY THE CITY ENGINEER.
4. GATE SHALL BE PROVIDE WITH A GATE KEEPER.
5. IF BEAM TYPE POST IS TO BE USED, TYPE AND SIZES SHALL BE APPROVED BY THE CITY ENGINEER BEFORE CONSTRUCTION.
6. ALL CONCRETE SHALL BE CLASS 3 PER STANDARD SPECIFICATIONS.
7. ALL PIPE SHALL BE SCH. 40 GALV. STEEL.
8. TOP RAIL SHALL BE 1-1/4" O.D. PIPE.

"SWING CLEAR" GATE (OPTIONAL POSITION)

SECTION B-B

GATE POST SCHEDULE

HEIGHT	GATE WIDTH	SIZE O.D.
6 FEET AND LESS	UP TO 6'	2-7/8"
	7' TO 13'	4"
	14' TO 18'	6-5/8"
OVER 6 FEET	OVER 18'	8-5/8"
	UP TO 6'	3-1/2"
	7' TO 13'	4-1/2"
	14' TO 18'	6-5/8"
OVER 18'	8-5/8"	

DEPARTMENT OF PUBLIC WORKS  
 CITY OF SOLEDAD

TITLE: CHAIN LINK FENCE

STANDARD PLAN

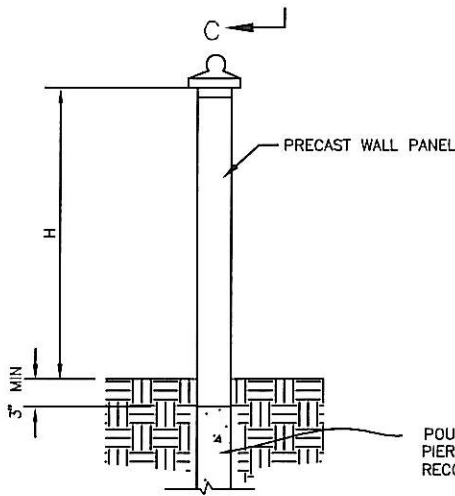
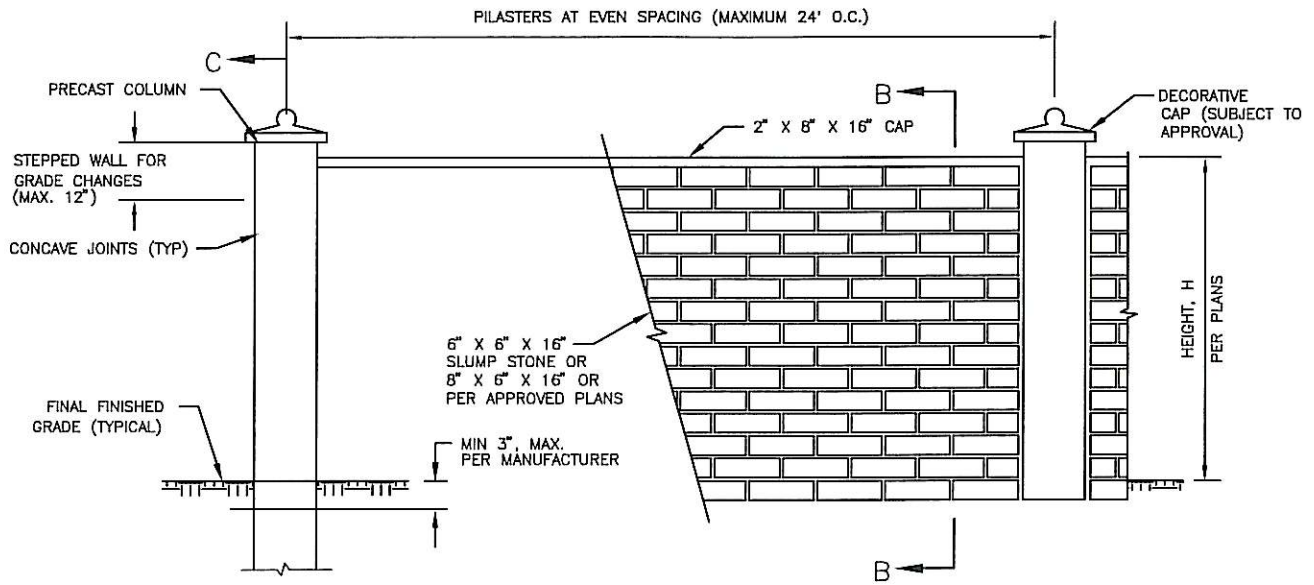
DESIGNED BY: WAG  
 DRAWN BY: HG/AB  
 CHECKED BY: WAG

APPROVED: *[Signature]*  
 CLIFTON W. PRICE, DIRECTOR OF PUBLIC WORKS  
*[Signature]*  
 WALTER A. GRANT, CITY ENGINEER - R.E. 42180 EXP: 03-31-08

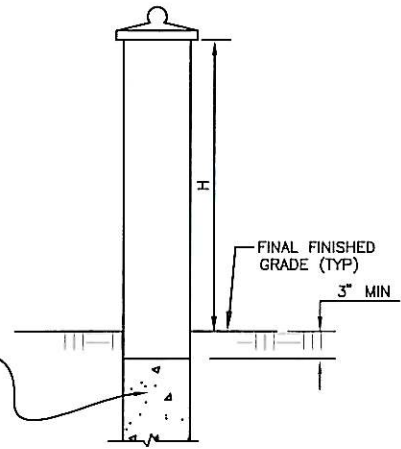
DATE: 10/18/07  
 10/18/07

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WALL SECTION B-B  
N.T.S.



SECTION C-C  
N.T.S.

**NOTES**

1. WALL PANELS & COLUMNS SHALL BE SOLID PRE CAST PCC BY SIERRA PRE-CAST OR EQUIVALENT.
2. COLUMN SPACING SHALL ALLOW FOR COLUMN TO BE PLACED AT PROPERTY CORNER WITH EQUAL COLUMN SPACING BETWEEN PROPERTY CORNERS.
3. TOP OF WALL ELEVATION CHANGES SHALL BE EVENLY SPACED ALONG PROPERTY LINE FROM PROPERTY CORNER TO PROPERTY CORNER TO PROVIDED SMOOTH TRANSITION.
4. PAINTING SHALL BE IN ACCORDANCE WITH SECTION 59-6 OF THE STANDARD SPECIFICATIONS. ALL SURFACES OF WALLS AND PILASTERS TO BE FINISHED WITH VINYL LATEX PAINT PER MANUFACTURER'S RECOMMENDATIONS.
5. DESIGN SHALL BE SUBMITTED COMPLETE WITH CALCULATIONS AND DETAILED DRAWINGS FOR APPROVAL BY THE CITY ENGINEER PRIOR TO ORDERING CAPS WILL BE REQUIRED ON ALL WALLS AND PILASTERS. DETAILED DRAWINGS SHALL INCLUDE TOP & BOTTOM OF WALL PANEL ELEVATIONS & COLUMN LOCATIONS.
6. EXACT LOCATION OF SCREEN WALL WITH RESPECT TO PROPERTY LINES SHALL BE IN ACCORDANCE WITH THE PLANS.
7. WHERE THE WALL IS LOCATED ADJACENT TO A CALTRANS RIGHT OF WAY OR IN THE CALTRANS RIGHT OF WAY THE WALL DESIGN SHALL CONFORM TO ALL CALTRANS STANDARD PLANS AND SPECIFICATIONS.
8. ALL WALL HEIGHTS SHALL BE DETERMINED IN ACCORDANCE WITH ACOUSTICAL ANALYSIS PROVIDED BY PROPERTY OWNER/DEVELOPER.
9. WALL MANUFACTURER TO SUPPLY STRUCTURAL CALC'S, SIGNED AND STAMPED BY A STRUCTURAL ENGINEER REGISTERED IN THE STATE OF CALIFORNIA, FOR MASONRY WALLS, PRIOR TO APPROVAL.

DEPARTMENT OF PUBLIC WORKS  
CITY OF SOLEDAD

TITLE: MASONRY NON-ACCESS WALL

STANDARD PLAN

DESIGNED BY:  
WAG

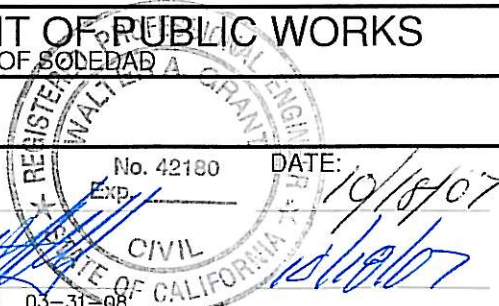
APPROVED:

DRAWN BY:  
CR/AB

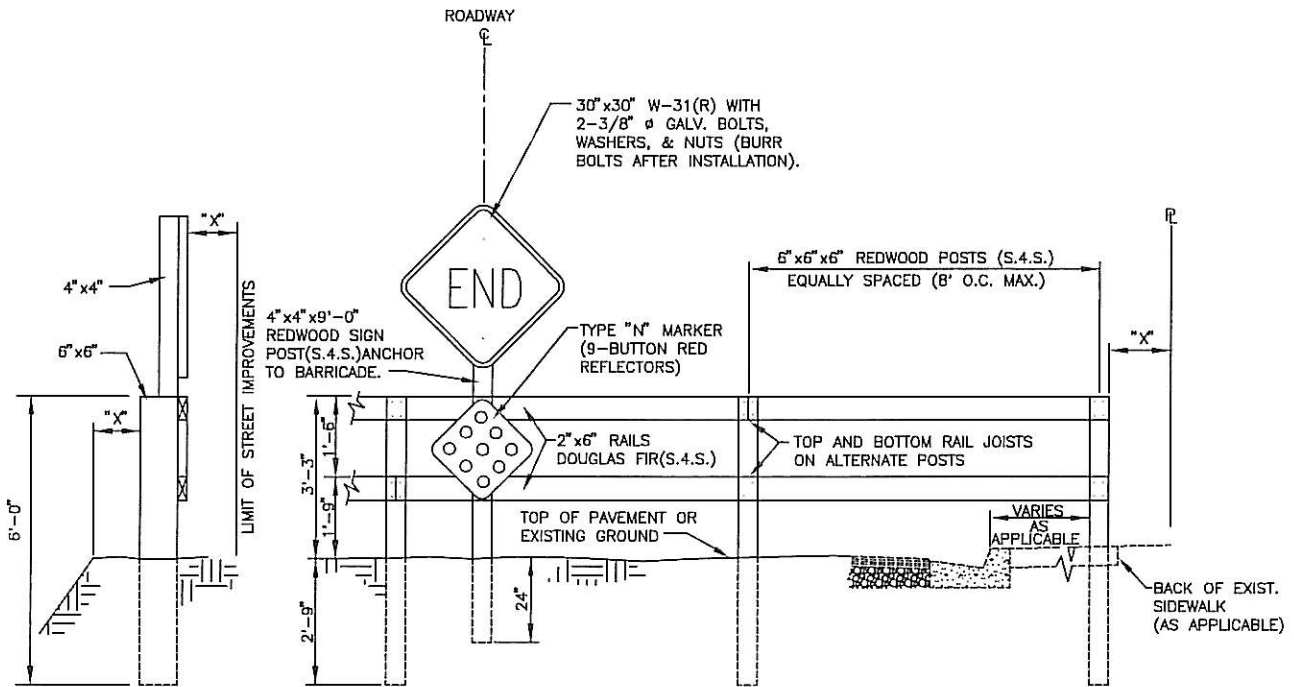
CLIFTON W. PRICE, DIRECTOR OF PUBLIC WORKS

CHECKED BY:  
WAG

WALTER A. GRANT, CITY ENGINEER - R.E. 42180 EXP: 03-31-08



43



WOODEN RAIL BARRICADE

NOTES:

1. MAXIMUM SPACING OF POSTS SHALL BE 8' CENTER TO CENTER.
2. ALL DIMENSIONS ARE NOMINAL LUMBER DIMENSIONS.
3. BREAKAWAY HOLES REQUIRED UNLESS DESIGNATED OTHERWISE.
4. COMPLETED BARRICADE SHALL BE PAINTED WITH 2 COATS, APPROVED TRAFFIC YELLOW PAINT PER SECTION 59.
5. PORTIONS OF POSTS BELOW GRADE SHALL BE PRESSURE TREATED OR ASPHALT DIPPED.
6. NAILS SHALL BE HOT DIPPED GALV. 30D. MINIMUM 4 REQUIRED AT RAIL SPLICES AND END POSTS.
7. NOMINAL WIDTH OF BARRICADE: AS MEASURED TO CENTER OF END POSTS.
8. "X" = 1 FT. UNLESS OTHERWISE SPECIFIED ON SPECIAL PLAN.
9. CHAIN LINK FENCE WITH GATES MAY BE SUBSTITUTED FOR WOODEN BARRICADE WHERE APPROVED BY CITY ENGINEER. SIGNING SHALL BE SIMILAR TO WOODEN BARRICADE SIGNING AND SHALL BE MOUNTED ON GATE.

DEPARTMENT OF PUBLIC WORKS

CITY OF SOLEDAD



TITLE: WOODEN BARRICADE

STANDARD PLAN

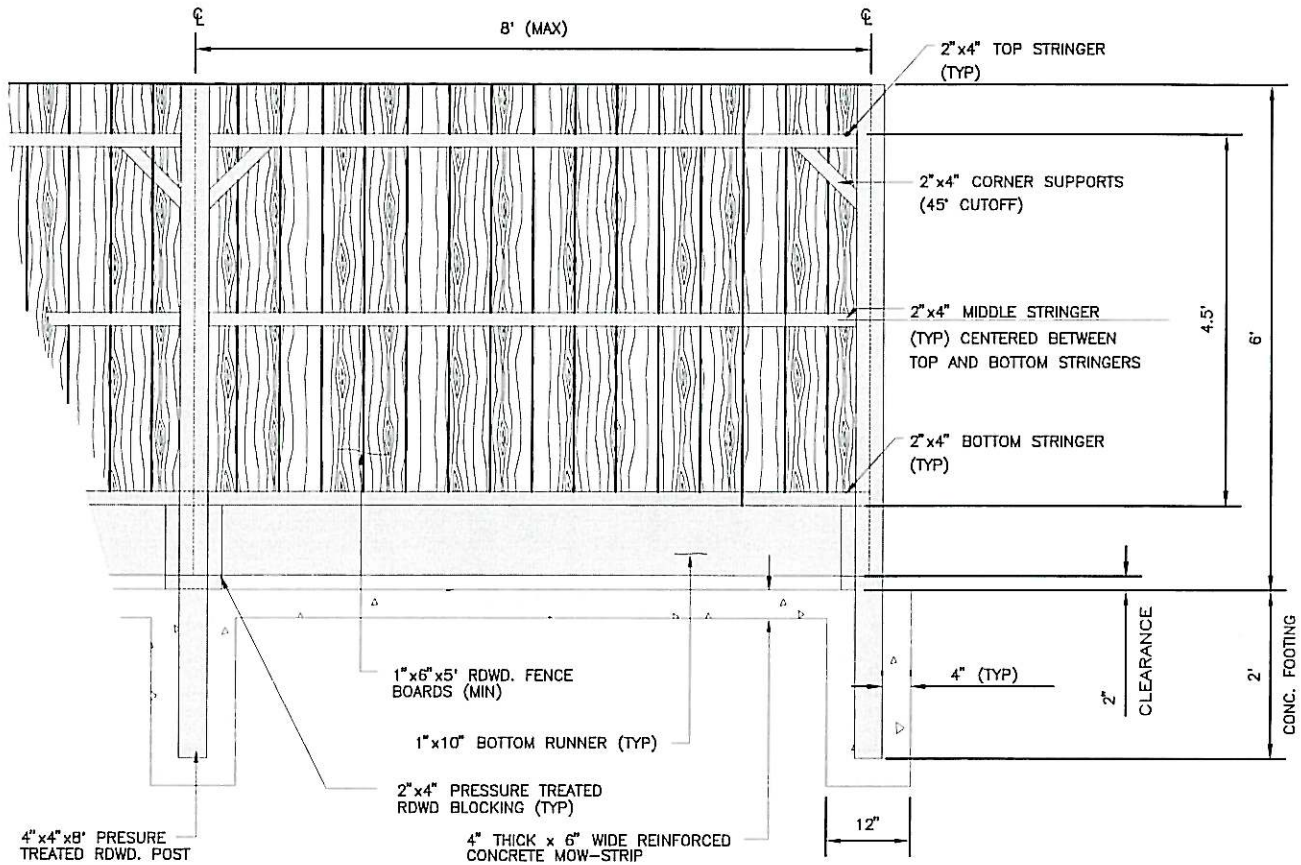
DESIGNED BY:  
WAG  
DRAWN BY:  
HG/AB  
CHECKED BY:  
WAG

APPROVED: *Clifton W. Price*  
CLIFTON W. PRICE, DIRECTOR OF PUBLIC WORKS  
*Walter A. Grant*  
WALTER A. GRANT, CITY ENGINEER

No. 42180  
Exp. 03-31-08

DATE: 10/18/07  
*WAG*

44

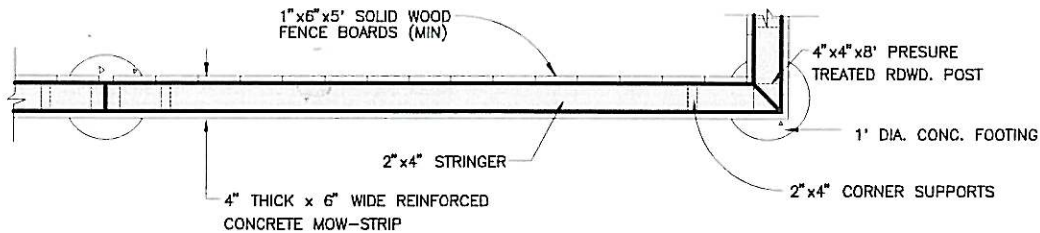


ELEVATION VIEW

NO SCALE

NOTE:

PRIOR TO CONSTRUCTION, CONTRACTOR/BUILDER SHALL PROVIDE A MATERIALS LIST, ALONG WITH, ALTERATIONS AND/OR CONFIGURATIONS TO THIS STANDARD PLAN (IF ANY) TO CITY ENGINEER AND BUILDING DEPARTMENT FOR APPROVAL.



TOP VIEW

NO SCALE

DEPARTMENT OF PUBLIC WORKS  
CITY OF SOLEDAD

TITLE: WOODEN PERIMETER / PROPERTY LINE FENCE

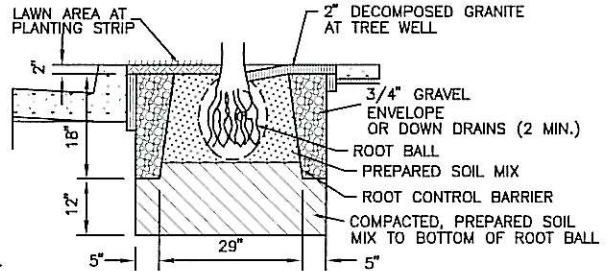
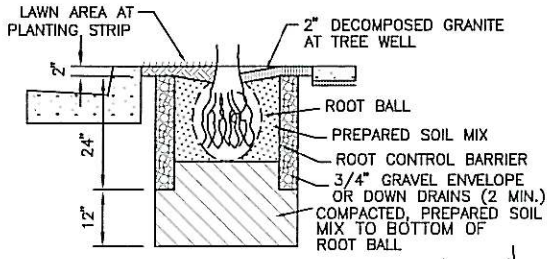
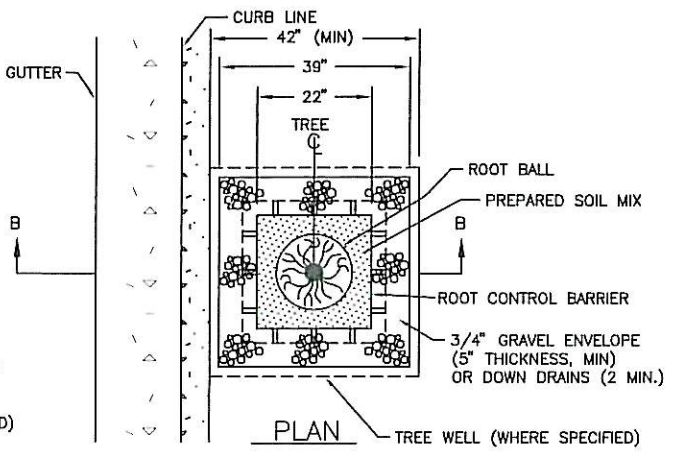
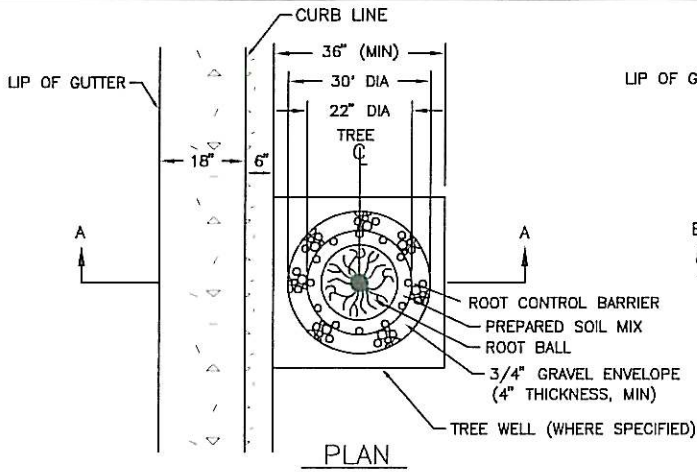
STANDARD PLAN

DESIGNED BY:  
WAG  
DRAWN BY:  
CR/AB  
CHECKED BY:  
WAG

APPROVED: *[Signature]*  
CLIFTON W. PRICE, DIRECTOR OF PUBLIC WORKS  
WALTER A. GRANT, CITY ENGINEER - R.E. 42180 EXP: 03-31-08

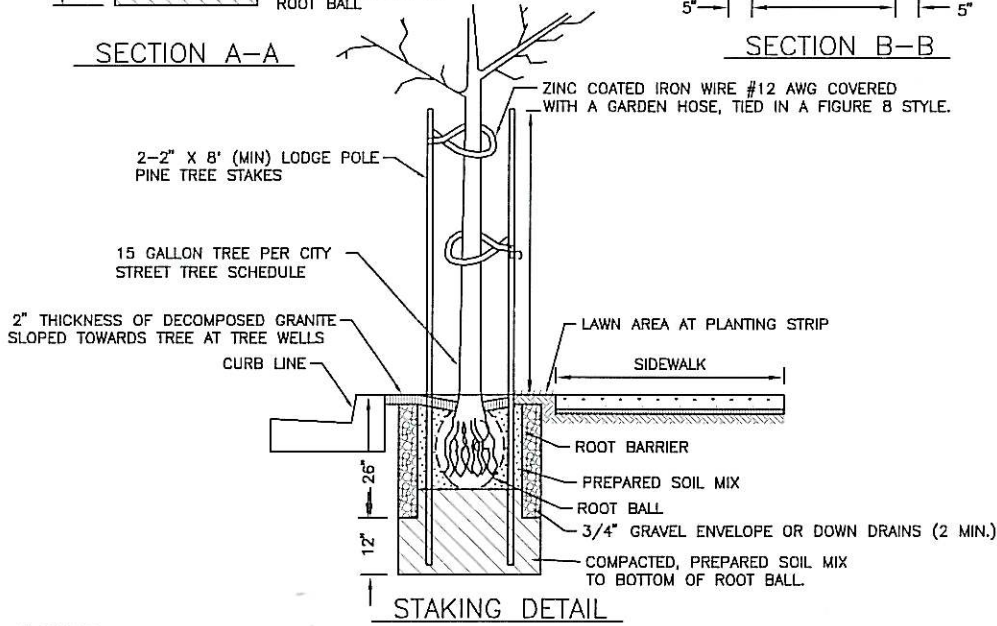
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SECTION A-A

SECTION B-B



STAKING DETAIL

**PLANTING NOTES**

1. PREPARED SOIL MIX SHALL CONSIST OF 1/4 NITROHUMUS, 1/4 SHAVINGS, 1/2 EXISTING SOIL AND 20-10-5 FORMULA FERTILIZER TABLETS WEIGHING 21 GRAMS (3 TABLETS PER 15-GALLON (CONTAINER SIZE) TREE).
2. ROOT DEFLECTOR SHALL BE DEEP ROOT STANDARD PLANTER NO. 22-29-18-P, DEEP ROOT CONTROL BARRIER NO. UB24-2, OR APPROVED EQUAL. DEEP ROOT CONTROL PRODUCTS ARE AVAILABLE FROM EWING IRRIGATION PRODUCTS, 125 LEE ROAD, WATSONVILLE, CA 95076.
3. THE LOWER 12" OF THE EXCAVATION SHALL BE BACKFILLED AND COMPACTED WITH PREPARED SOIL MIX PRIOR TO PLACING THE ROOT DEFLECTOR. BACKFILL 3/4" GRAVEL ENVELOPE AROUND DEFLECTOR AFTER TREE PLANTING.
4. PREPARED SOIL MIX SHALL BE PLACED IN THE PLANTING HOLE AND COMPACTED TO BOTTOM OF ROOT BALL ELEVATION. PLANT TREE IN PLANTER, BACKFILL WITH PREPARED SOIL MIX AND COMPACT. COVER WITH LAWN OR DECOMPOSED GRANITE, AS SPECIFIED.
5. AFTER PLANTING, TREE SHALL BE WATERED WITH 20 GALLONS OF WATER. REPEAT WATERING TWICE IN THE NEXT 7 DAYS NOT CLOSER THAN AT 48 HOUR INTERVALS.
6. STREET TREE PLANTING SHALL INCLUDE, TREE PLANTING IN TREE WELLS OR WITHIN PARKING STRIPS. PAYMENT FOR TREE PLANTING SHALL INCLUDE EXCAVATION, SOIL PREPARATION, ROOT DEFLECTOR AND INSTALLATION, BACKFILL, TREE, AND THE ITEMS DESCRIBED ON THIS PLAN.
7. UPON APPROVAL OF THE CITY ENGINEER, ROOT DEFLECTOR MAY BE DELETED DUE TO SPECIAL CIRCUMSTANCES WHICH MAKE THE DEFLECTOR UNUSABLE OR UNNECESSARY.
8. WHERE IRRIGATION IS AVAILABLE, PROVIDE A MINIMUM OF 2 PERFORATED PVC DOWN DRAINS AND 2 DRIP HEADS FOR EACH TYPE (1 DRIP HEAD PER DOWN DRAIN). EACH DOWN DRAIN SHALL BE COVERED WITH A FILTER FABRIC SOCK.

**DEPARTMENT OF PUBLIC WORKS  
CITY OF SOLEDAD**

**TITLE: STREET TREE PLANTING**

STANDARD PLAN

DESIGNED BY:  
WAG  
DRAWN BY:  
HG/AB  
CHECKED BY:  
WAG

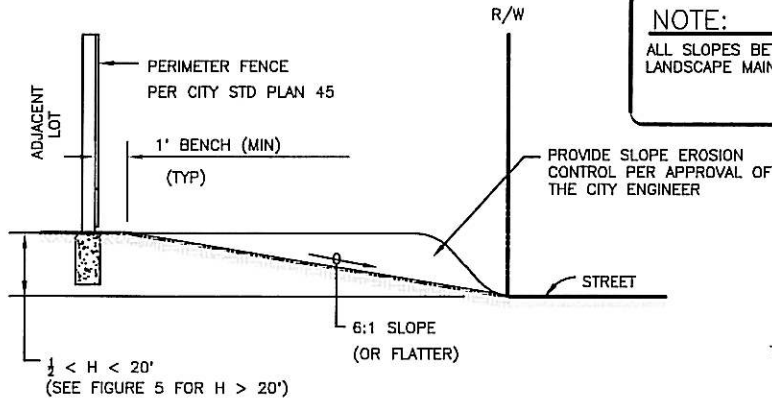
APPROVED: *[Signature]*  
CLIFTON W. PRICE, DIRECTOR OF PUBLIC WORKS  
*[Signature]*  
WALTER A. GRANT, CITY ENGINEER - R.E. 42180 EXP: 03-31-08

DATE:  
*10/10/07*  
*10/10/07*

**46**

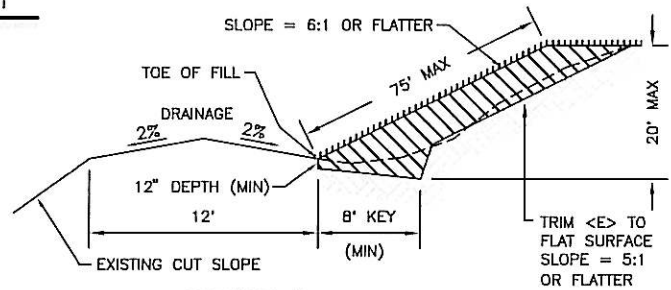
**NOTE:**

ALL SLOPES BETWEEN FENCES & STREET R/W SHALL BE INCLUDED IN A LANDSCAPE MAINTENANCE DISTRICT.



**FIGURE 1**

CUT SLOPE WITH EROSION CONTROL



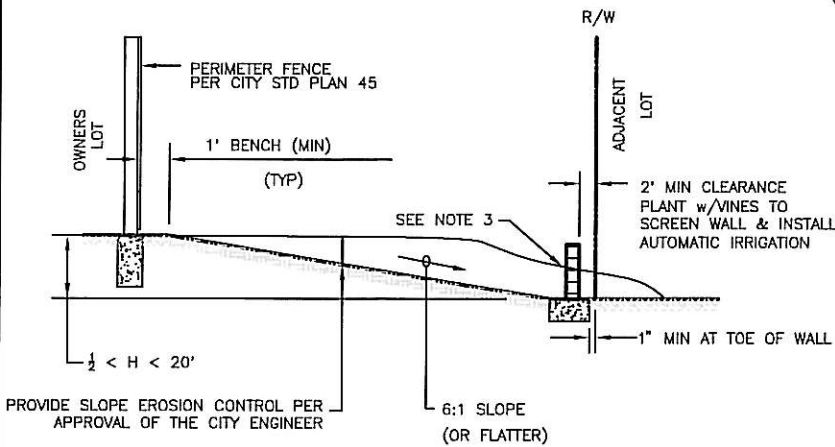
**FIGURE 3**  
FILL SLOPE

**FIGURE 3**

FILL SLOPE

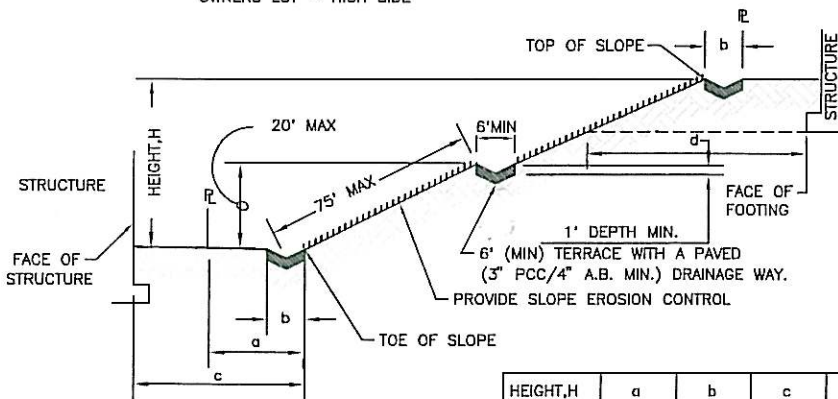
**NOTES:**

1. ALL WORK SHALL CONFORM TO ALL REQUIREMENTS OF THE NPDES PERMIT AND CITY OF SOLEDAD REQUIREMENTS.
2. CUT SLOPES SHALL BE ROUNDED OFF AT THE TOP AND TOE TO BLEND IN WITH THE NATURAL TERRAIN.
3. OWNER/DEVELOPER MAY, AT HIS OPTION, CONSTRUCT A VERTICAL RETAINING WALL ADJACENT TO THE PROPERTY LINE TO CONTAIN THE DIFFERENCE IN ELEVATION. A DESIGN OF THE WALL, COMPLETE WITH SIGNED & STAMPED CALCULATIONS, SHALL BE SUBMITTED TO THE CITY ENGINEER FOR APPROVAL.
4. A GEOTECHNICAL INVESTIGATION SHALL BE PERFORMED AND SUBMITTED TO THE CITY ENGINEER PRIOR TO ANY GRADING. THE MORE STRINGENT RECOMMENDATIONS OF THE GEOTECHNICAL INVESTIGATION SHALL GOVERN.
5. REFER TO CITY STANDARD PLAN No. 52 FOR ADDITIONAL REQUIREMENTS FOR TYPICAL LOTS.
6. ALL NATURAL SLOPES WITHIN THE DEVELOPMENT AREA EXCEEDING 20% MAY REQUIRE A DETAILED DRAWING SUBMITTED TO THE PUBLIC WORKS DEPT. OF THE CITY OF SOLEDAD FOR PRIOR APPROVAL.



**FIGURE 2**

OWNERS LOT - HIGH SIDE



**FIGURE 5**

HEIGHT, H	a	b	c	d
0'-10'	3'	2'	5'	5'
11'-30'	(H/2)'	3'	(H/2)'	7'
OVER 30'	15'	3'	15'	10'

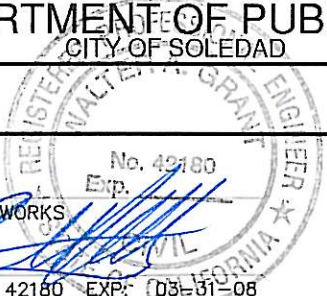
**DEPARTMENT OF PUBLIC WORKS  
CITY OF SOLEDAD**

**TITLE: SLOPE GRADING**

STANDARD PLAN

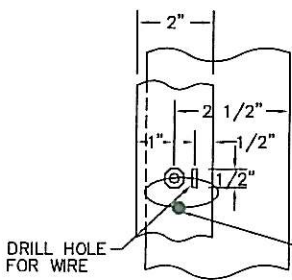
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WAG  
DRAWN BY:  
CR/AB  
CHECKED BY:  
WAG

APPROVED:  
*[Signature]*  
CLIFTON W. PRICE, DIRECTOR OF PUBLIC WORKS  
*[Signature]*  
WALTER A. GRANT, CITY ENGINEER - R.E. 42180 EXP: 03-31-08



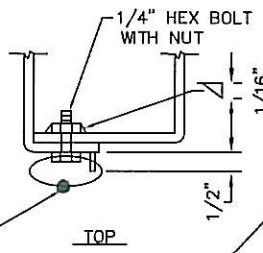
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**47**

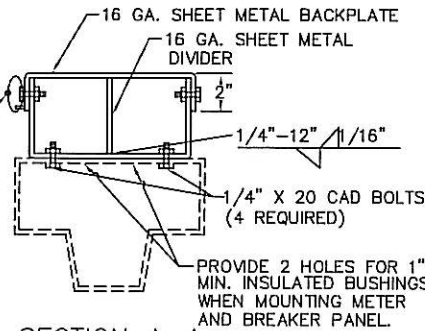


LEFT SIDE

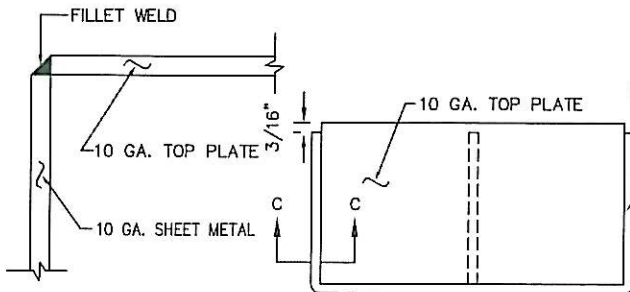
SEALABLE BOLT DETAIL



TOP

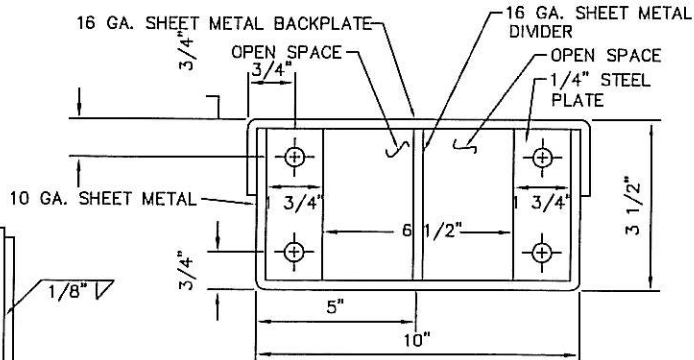


SECTION A-A

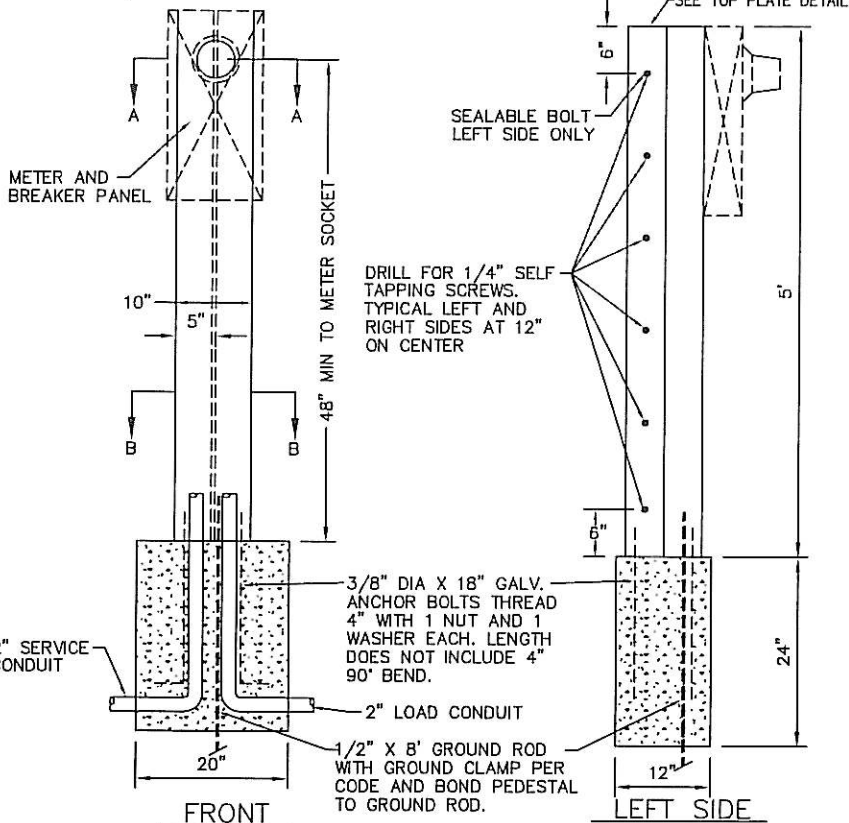


SECTION C-C

TOP PLATE DETAIL



SECTION B-B



FRONT

LEFT SIDE

GENERAL NOTES

1. TOP OF FOUNDATION SHALL BE FLUSH WITH SIDEWALK IN SIDEWALK AREAS, OUTSIDE SIDEWALK AREAS, TOP OF FOUNDATION SHALL BE 6" ABOVE GRADE.
2. CONDUITS SHALL EXTEND AT LEAST 2" ABOVE TOP OF FOUNDATION.
3. INSTALL AND ORIENT SERVICE PEDESTAL AND SERVICE EQUIPMENT AS DIRECTED BY ENGINEER.
4. FABRICATED PEDESTAL SHALL BE "304" STAINLESS STEEL.
5. WHEN METER AND BREAKER PANEL IS SPECIFIED, IT SHALL BE A SINGLE UNIT WITH MANUAL CIRCUIT CLOSING DEVICES INCLUDED.
6. WHEN FLASHING BEACON OR PHOTOELECTRIC CONTROL IS SPECIFIED, A NEMA 3R ENCLOSURE SHALL BE FURNISHED PER DIMENSIONS IN SPECIAL PROVISIONS. MOUNT ENCLOSURE BELOW METER AND BREAKER PANEL. FLASHERS, SUPPRESSORS, OR RELAYS SHALL BE INSTALLED PER SPECIAL PROVISIONS.
7. ALL CONCRETE SHALL BE CLASS 3 PER STANDARD SPECIFICATIONS.
8. SUBJECT TO APPROVAL BY THE CITY ENGINEER, ALTERNATIVE STATE TYPE II SERVICE EQUIPMENT ENCLOSURES PER STATE STANDARD PLAN ES-2B (JULY 1984) MAY BE SUBSTITUTED.

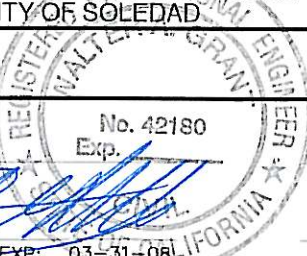
DEPARTMENT OF PUBLIC WORKS  
CITY OF SOLEDAD

TITLE: UTILITY SERVICE PEDESTAL

STANDARD PLAN

DESIGNED BY:  
WAG  
DRAWN BY:  
HG/AB  
CHECKED BY:  
WAG

APPROVED:  
*Clifton W. Price*  
CLIFTON W. PRICE, DIRECTOR OF PUBLIC WORKS  
WALTER A. GRANT, CITY ENGINEER

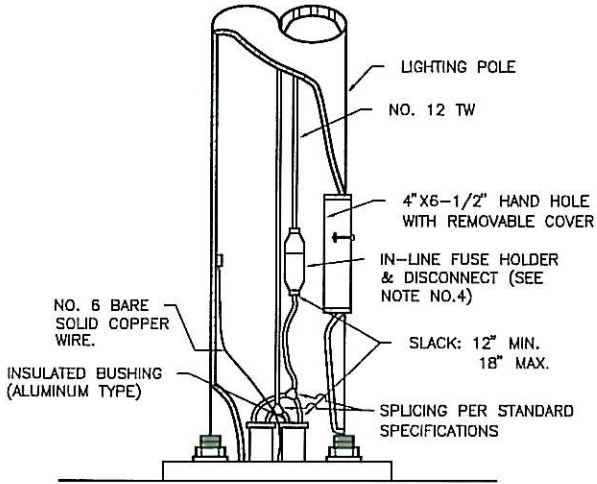


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10/18/07  
10/18/07

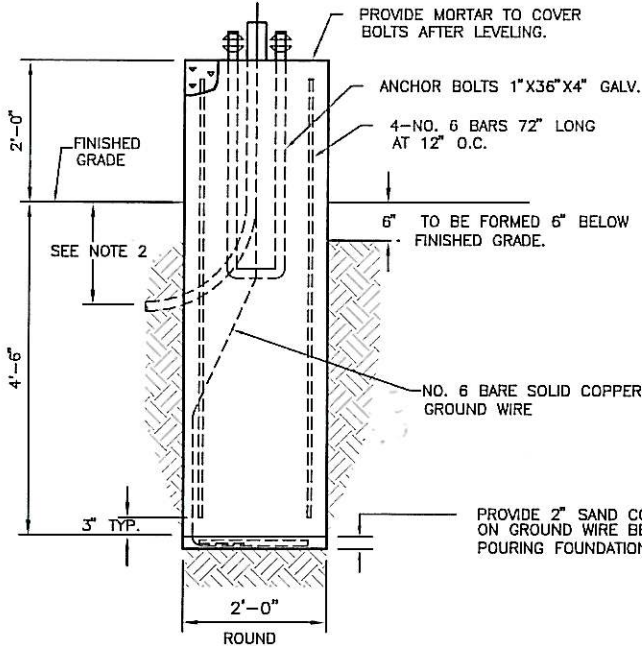
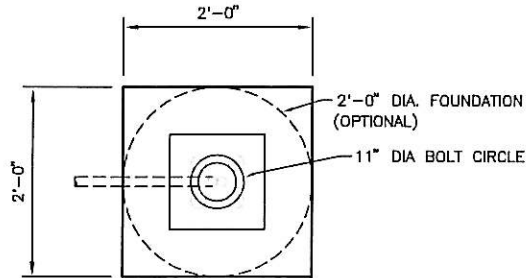
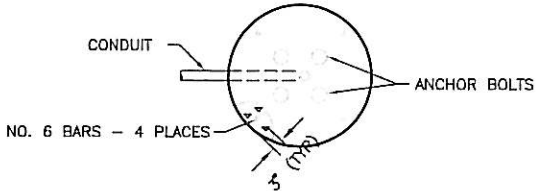
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**NOTES:**

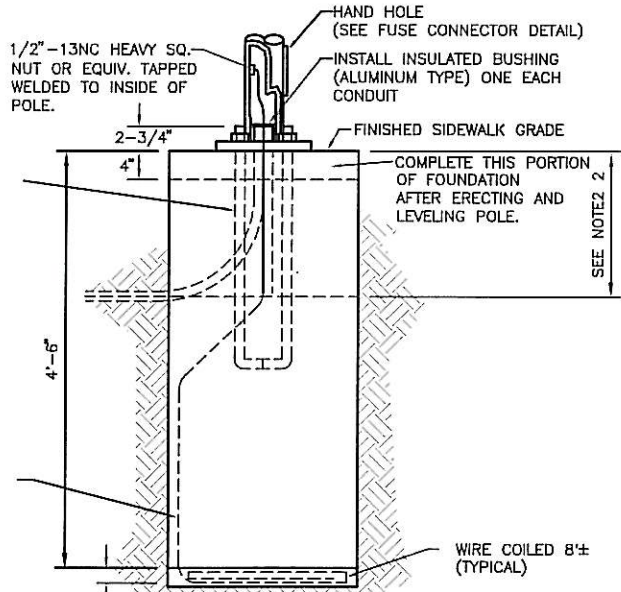
1. ALL CONSTRUCTION AND MATERIAL SHALL CONFORM TO THE STANDARD SPECIFICATIONS, ELECTRIC CODE & P.U.C.'S G.O. 95A.
2. COVER SHALL BE 18" MINIMUM IN SIDEWALK AREAS & 30" MIN. UNDER STREETS OR PROPERTY EASEMENTS.
3. ALL CONCRETE SHALL BE CLASS 3 PER STANDARD SPECIFICATIONS.
4. INSTALL WATERPROOF IN-LINE FUSE HOLDER (BUSS TYPE TRON "L" RLA, ALUMINUM, OR RLC-J, COPPER, WITH INSULATING BOOTS) IN UNGROUNDED LEG WITH MIDGET IOA. FUSE OR AS DIRECTED.
5. P.G.&E. TO FURNISH AND INSTALL ALL MATERIALS AND DEVELOPER TO REIMBURSE P.G.&E. FOR INCURRED COSTS.



**FUSE CONNECTOR DETAIL**



**PARKING AREA LIGHT FOUNDATION**



**STREET LIGHT FOUNDATION DETAIL**

**DEPARTMENT OF PUBLIC WORKS  
CITY OF SOLEDAD**

**TITLE: P.C.C. LIGHTING FOUNDATION**

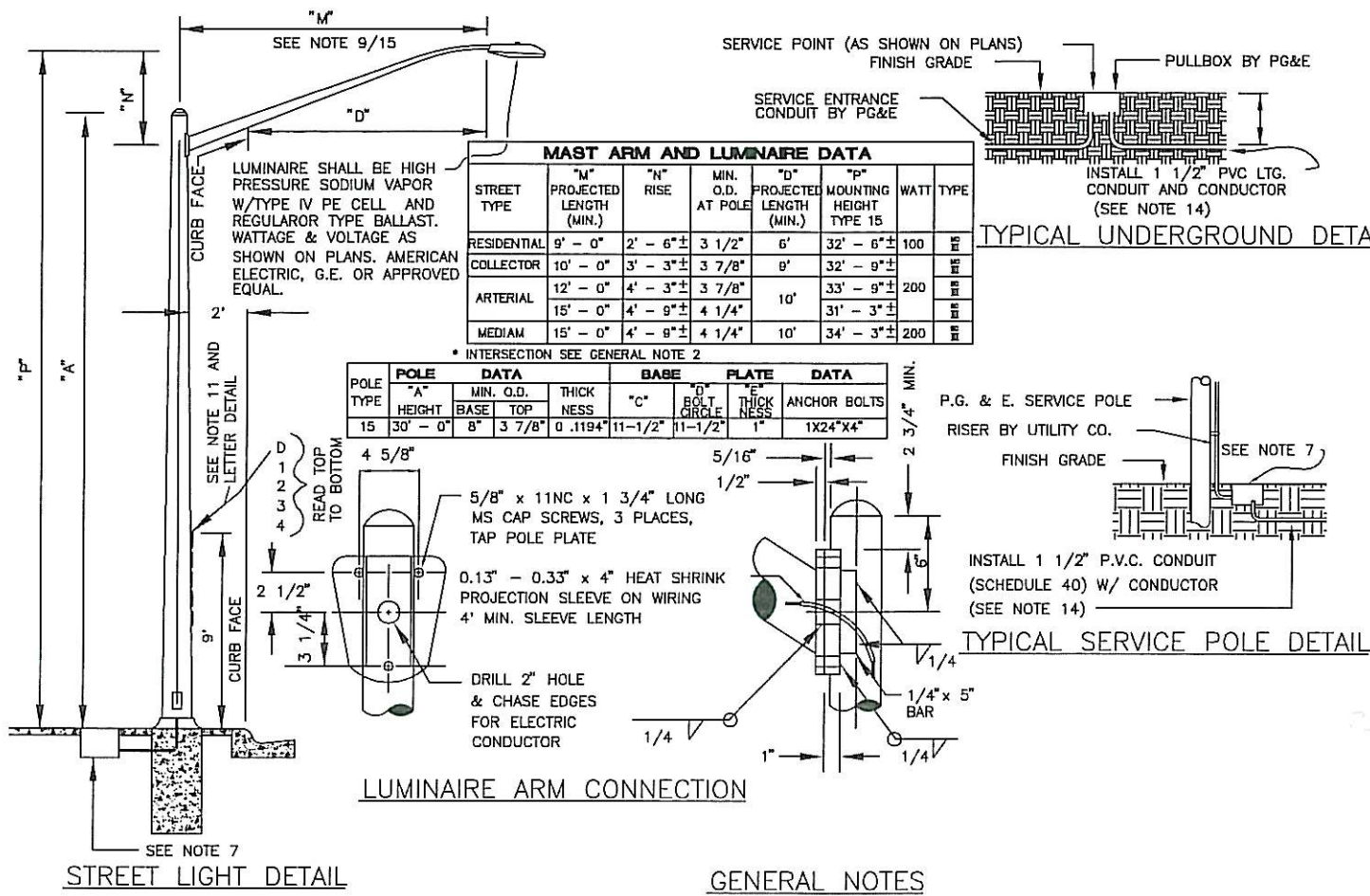
STANDARD PLAN

DESIGNED BY: WAG  
DRAWN BY: HG/AB  
CHECKED BY: WAG

APPROVED: *[Signature]*  
CLIFTON W. PRICE, DIRECTOR OF PUBLIC WORKS  
*[Signature]*  
WALTER A. GRANT, CITY ENGINEER - R.E. 42180 EXP: 03-31-08

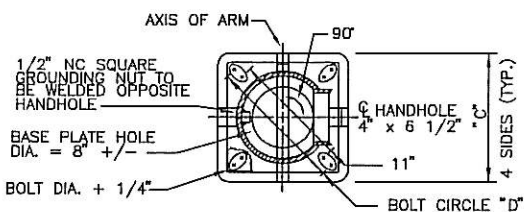
DATE: 10/14/07  
*[Signature]*

**49**



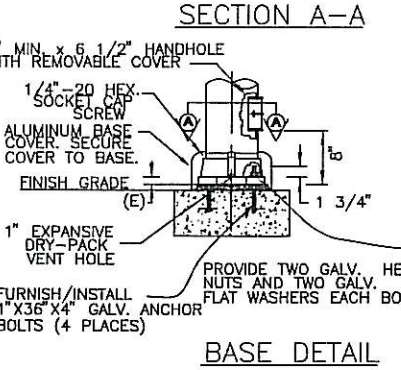
**GENERAL NOTES**

- ALL CONSTRUCTION AND MATERIALS SHALL CONFORM TO THE STANDARD SPECIFICATIONS, ELECTRIC CODE AND P.U.C.'S G.O. 95A.
- LUMINAIRES AT STREET INTERSECTIONS SHALL HAVE TYPE IV I.E.S. DISTRIBUTION.
- POLES SHALL BE STEEL WITH HOT DIP GALVANIZED FINISH.
- PHOTOELECTRIC CELLS SHALL BE INTEGRALLY MOUNTED ON THE HOOD OF THE LIGHTING FIXTURE.
- ALTERNATE DESIGN POLES, MOUNTING HEIGHTS AND LIGHTING FIXTURES, WHEN APPROVED BY THE CITY ENGINEER, MAY BE INSTALLED IN SUBDIVISIONS. SUCH INSTALLATIONS SHALL BE OF A UNIFORM DESIGN THROUGHOUT THE SUBDIVISION.
- WHEN POLE RISER SERVICE IS REQUIRED, THE CONTRACTOR SHALL NOTIFY P.G.&E. TWO (2) WEEKS IN ADVANCE OF CONSTRUCTION.
- INSTALL #3 1/2 PULLBOX AT BASE OF ALL SERVICE POLE AND ELECTROLIERS EXCEPT LAST ELECTROLIER ON SERVICE RUN.
- LUMINAIRE ARM PROJECTED LENGTH SHALL BE AS SHOWN ON PLANS THICKNESS SHALL BE MIN. 0.1196" (11 GA. 96,000 PSJ). LIGHTING POLE SHALL BE STATE TYPE 15, GALVANIZED: UNION METAL, AMERON, VALMONT OR APPROVED EQUAL.
- ALL CONCRETE SHALL BE CLASS 3 PER STANDARD SPECIFICATIONS.
- CONTRACTOR SHALL INSTALL STREET LIGHT NUMBER (LETTER AND NUMBER) ON LUMINAIRE SIDE, USUALLY STREET SIDE OF POLE FACING THE CURB. STREET LIGHT NUMBERING LEGEND SHALL BE 2 1/2" HIGH, BLACK WITH SILVER BACKGROUND, REFLECTIVE VINYL, ADHESIVELY BACKED LETTER (PANDUIT PRL 250 YB, A TO Z) AND NUMBER (PANDUIT PRL 250 YB 0 TO 9); OR APPROVED EQUAL P.G.&E. TO PROVIDE STREET LIGHT NUMBER.
- FOR POLE FOUNDATION & FUSE CONNECTOR DETAIL SEE STD. PLAN 49.
- SPACING OF STREET LIGHTS SHALL BE DETERMINED BY THE CITY ENGINEER BASED ON LIGHTING LOCATION PROVIDED BY DEVELOPER BY A REGISTERED ELECTRICAL ENGINEER. A MAXIMUM SPACING OF 250' SHALL CONTROL. AN ELECTROLIER SHALL BE PLACED AT EVERY INTERSECTION.
- CONDUIT COVER: 18" MIN. UNDER SIDEWALK, PARKWAY & MEDIAN ISLAND. 24" UNDER STREET OR PROPERTY EASEMENT.
- INCREASE PROJECTED LENGTH BY THE INCREASE IN POLE OFFSET FROM FACE OF CURB, CENTERLINE OF POLE SHALL BE SET 1' MIN. BEHIND BACK OF WALK FOR MONOLITHIC CURB AREAS.



**LUMINAIRE**

SINGLE	DOUBLE
C	C
2" SERIES	2" SERIES
1" "D"	1" "D"
1" LETTERS	1" LETTERS
1" AND NUMBERS	1" AND NUMBERS



**DEPARTMENT OF PUBLIC WORKS  
CITY OF SOLEDAD**

**TITLE: LIGHTING POLES**

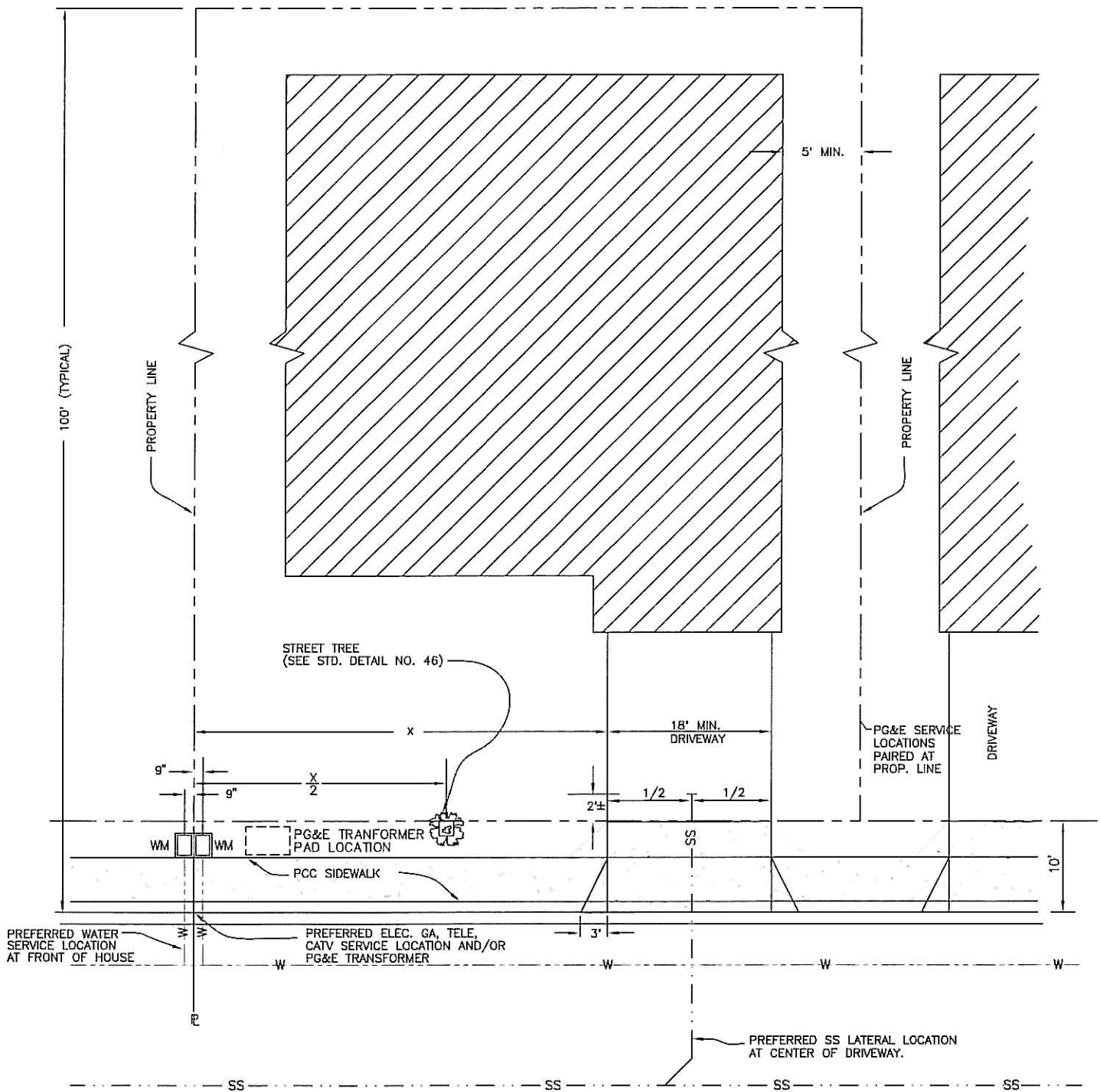
**STANDARD PLAN**

DESIGNED BY: WAG  
 APPROVED: *Clifton W. Price*  
 CLIFTON W. PRICE, DIRECTOR OF PUBLIC WORKS  
 DATE: 10/18/07  
 CHECKED BY: WAG  
 WALTER A. GRANT, CITY ENGINEER - R.E. 42180 EXP: 03-31-08

**50**



W = 60' (TYPICAL)



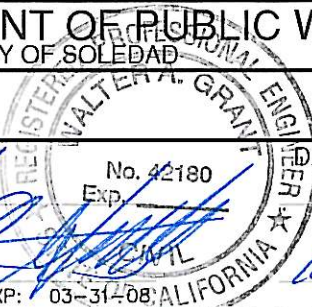
DEPARTMENT OF PUBLIC WORKS  
CITY OF SOLEDAD

TITLE: TYPICAL UTILITY LOCATIONS

STANDARD PLAN

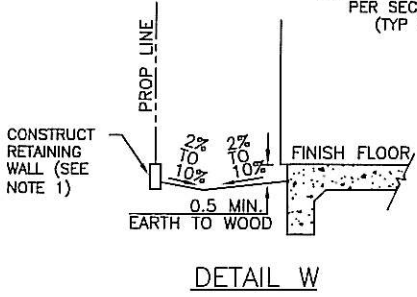
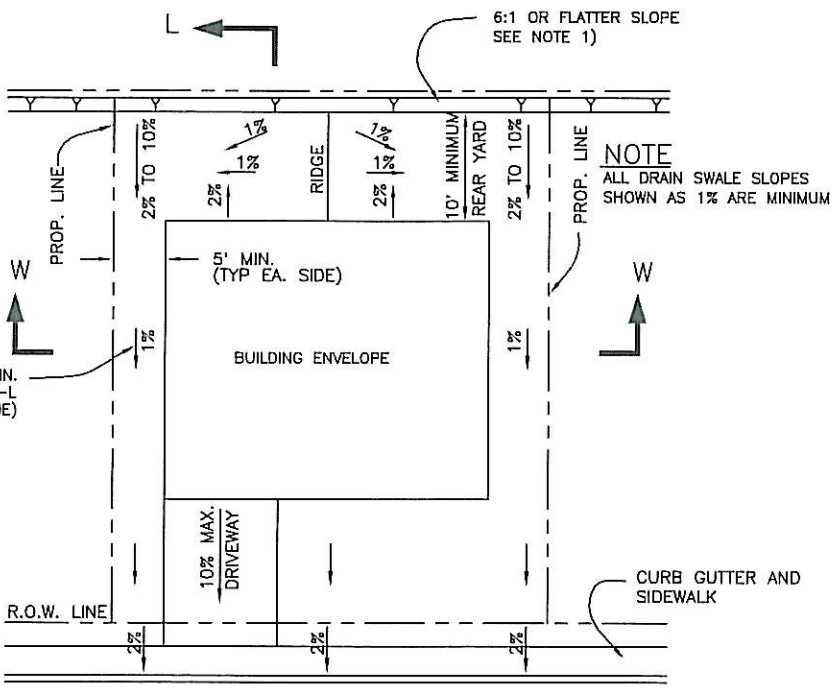
DESIGNED BY:  
WAG  
DRAWN BY:  
HG/AB  
CHECKED BY:  
WAG

APPROVED: *[Signature]*  
CLIFTON W. PRICE, DIRECTOR OF PUBLIC WORKS  
WALTER A. GRANT, CITY ENGINEER - R.E. 42180 EXP: 03-31-08

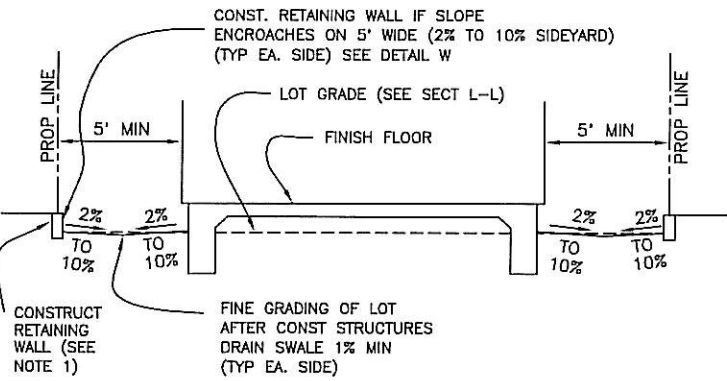


DATE: 10/18/07  
*[Signature]*

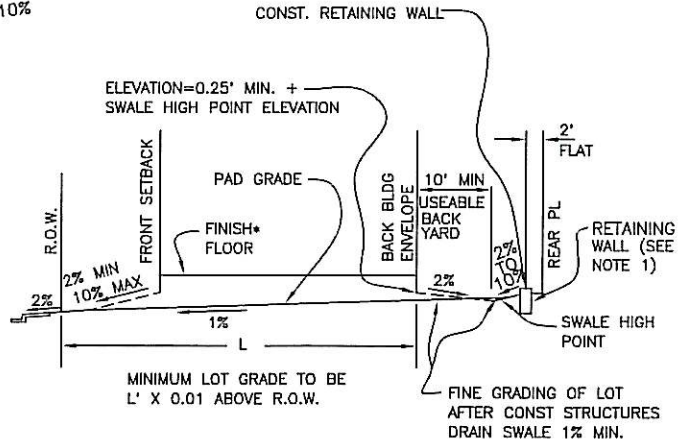
51



TYPICAL FINE GRADING PLAN



\*FINISH FLOOR=0.75' MIN. + SWALE HIGH POINT ELEVATION (INCREASE IF WOOD EXTENDS BELOW FINISH FLOOR).



NOTES

1. CONSTRUCT RETAINING WALL FOR UP TO 4' DIFFERENCE BETWEEN ADJACENT LOTS. 4' OF SLOPE (VERTICAL) @ 6:1 OR FLATTER WILL BE ALLOWED ABOVE 4' RETAINING WALL. INCREASE HEIGHT OF RETAINING WALL ABOVE 4' IF TOTAL GRADE DISTANCE BETWEEN LOTS EXCEEDS 8'.
2. PROVIDE SIGNED AND STAMPED CALCULATIONS FOR PERMIT FOR ALL RETAINING WALLS OVER 2' IN HEIGHT.
3. ALL SLOPES STEEPER THAN 5:1 SHALL BE PROTECTED WITH JUTE NETTING.
4. ANY DEVIATIONS TO THE STANDARDS CONTAINED HEREIN SHALL BE SUBMITTED IN ADVANCE FOR APPROVAL BY THE CITY.
5. REFER TO STD. PLAN NO. 47 FOR ADDITIONAL INFORMATION.

TYPICAL SECTION L - L

DEPARTMENT OF PUBLIC WORKS  
CITY OF SOLEDAD

TITLE: TYPICAL LOT GRADING

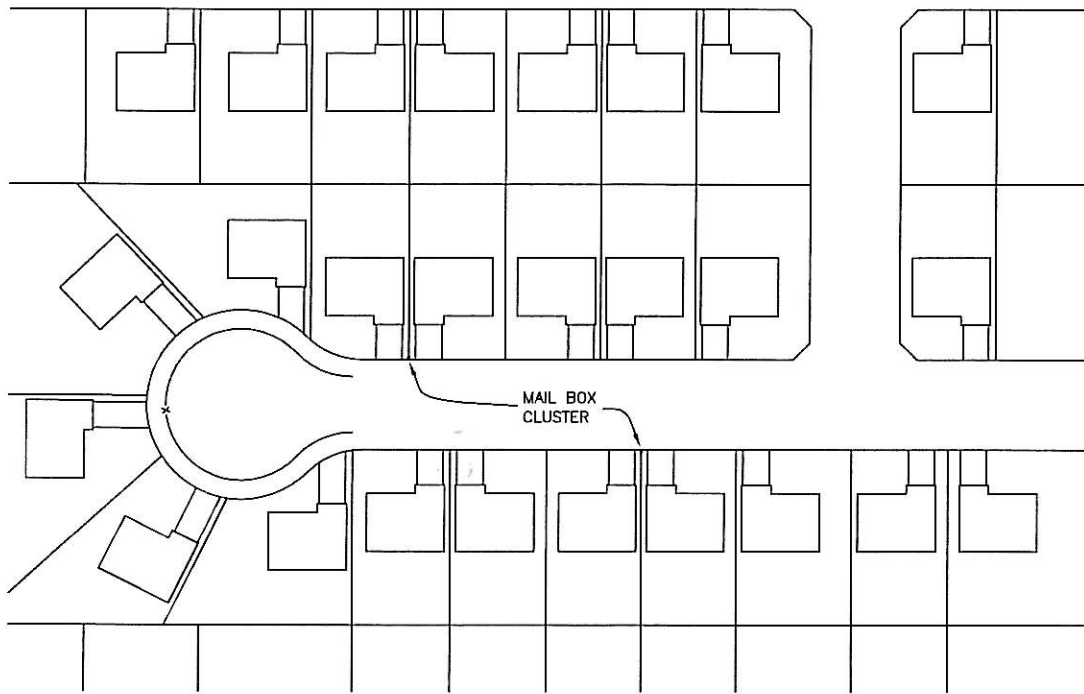
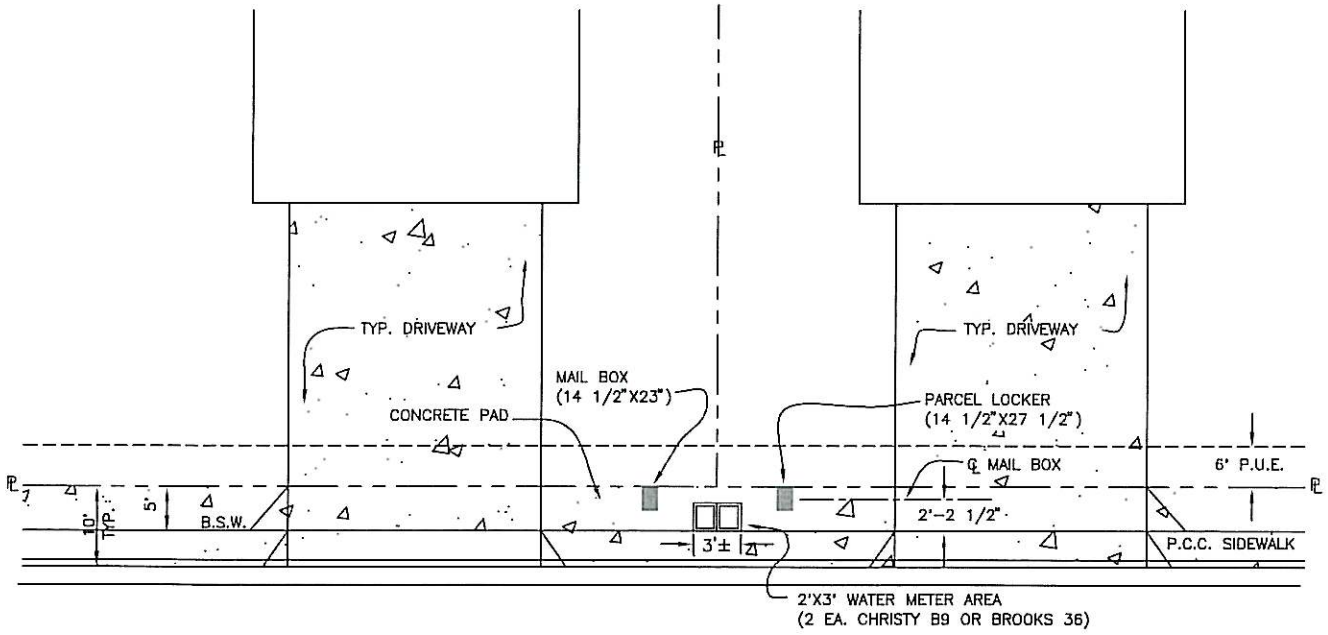
STANDARD PLAN

DESIGNED BY: WAG  
DRAWN BY: CR/AB  
CHECKED BY: WAG

APPROVED: *[Signature]*  
CLIFTON W. PRICE, DIRECTOR OF PUBLIC WORKS  
WALTER A. GRANT, CITY ENGINEER - R.E. 42180 EXP: 03-31-08

DATE: 10/18/07  
*[Signature]*

52



1. MAIL BOX CLUSTER LOCATION TO AVOID WATER METER BOXES & WATER SERVICES.
2. TYPE II & III MAIL BOX CLUSTERS IN MULTI FAMILY RESIDENTIAL DEVELOPMENTS ONLY.
- 3 \*UNDESIRABLE LOCATIONS - SPACE & TRAFFIC RESTRICTIONS.
4. PAINT CURB IN FRONT OF MAIL BOX CLUSTER AS DIRECTED BY DIRECTOR OF PUBLIC WORKS
5. SUBMIT LOCATIONS OF MAIL BOX CLUSTERS TO DIRECTOR OF PUBLIC WORKS BEFORE ACTUAL CONSTRUCTION

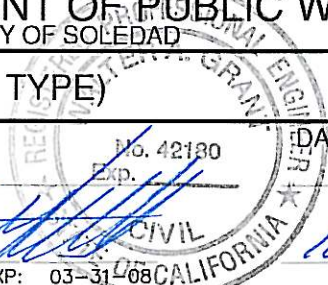
**DEPARTMENT OF PUBLIC WORKS**  
CITY OF SOLEDAD

**TITLE: MAIL BOX CLUSTER (U.S.P.O. TYPE)**

STANDARD PLAN

DESIGNED BY:  
WAG  
DRAWN BY:  
HG/AB  
CHECKED BY:  
WAG

APPROVED: *[Signature]*  
CLIFTON W. PRICE, DIRECTOR OF PUBLIC WORKS  
*[Signature]*  
WALTER A. GRANT, CITY ENGINEER - R.E. 42180 EXP: 03-31-08



DATE: 10/12/07  
10/19/07

**53**

1. SITE SECURITY:

CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH ALL PUBLIC SAFETY REQUIREMENTS BY PROVIDING, INSTALLING AND MAINTAINING SIGNS, WARNING DEVICES, FENCING, BARRICADES, INCLUDING SECURITY PATROL. REFER TO STATE OF CALIFORNIA STANDARD SPECS., SECTION 7 AND CITY STANDARD, SECTION 2.

2. SITE CLEAN-UP:

SITE SHALL BE KEPT FREE OF ALL RUBBISH AND DEBRIS REQUIRING SWEEPING OF THE WORK AREA AT THE END OF EACH DAY IF NECESSARY AND ONCE PER WEEK MINIMUM. TRASH RECEPTACLES SHALL BE ERECTED ON SITE AND MAINTAINED ON A REGULAR BASIS SO THAT OVERFLOW DOES NOT OCCUR. CONTRACTOR WILL BE HELD RESPONSIBLE FOR LITTER WHICH RESULTS FROM WORK AREA AND LEAVES SITE.

3. EROSION CONTROL:

SITE SHALL BE MAINTAINED PER SITE SWPPP. SILT, CONCRETE, SOILS, ROCK, DEBRIS, LITTER AND SITE MATERIALS ARE NOT PERMITTED IN STORM DRAINS OR CATCH BASINS.

4. SWMP:

REFER TO CITY OF SOLEDAD STORM WATER MANAGEMENT ORDINANCE FOR ADDITIONAL REQUIREMENTS.

DEPARTMENT OF PUBLIC WORKS  
CITY OF SOLEDAD

TITLE: SITE SECURITY, CLEAN-UP AND EROSION CONTROL

STANDARD PLAN

DESIGNED BY:  
WAG  
DRAWN BY:  
CR/AB  
CHECKED BY:  
WAG

APPROVED:

*Clifton W. Price*  
CLIFTON W. PRICE, DIRECTOR OF PUBLIC WORKS

*Walter A. Grant*  
WALTER A. GRANT, CITY ENGINEER - R.E. 42180 EXP: 03-31-08

No. 42180  
Exp.

DATE:

*10/18/07*  
*10/18/07*

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**CITY OF SOLEDAD**  
**248 MAIN STREET, P.O. BOX 156**  
**SOLEDAD, CALIFORNIA, 93960**  
**(831)678-3963**

INSPECTOR: \_\_\_\_\_ INSPECTION DATE: \_\_\_\_\_ TIME: \_\_\_\_\_

PERMIT NO.: \_\_\_\_\_ LOT(S) \_\_\_\_\_  
 ADDRESS: \_\_\_\_\_

INSPECTION TYPE: PUBLIC WORKS

<input type="checkbox"/>	CURB & GUTTER	<input type="checkbox"/>	RAMP	<input type="checkbox"/>	STREET ADDRESS CURB	<input type="checkbox"/>	FLUSHING ALL STORM DRAIN PIPES
<input type="checkbox"/>	SIDEWALK	<input type="checkbox"/>	SIGNAGE	<input type="checkbox"/>	PAC BELL VAULT	<input type="checkbox"/>	DVD OF STORM DRAIN VIDEO
<input type="checkbox"/>	DRIVEWAY APPROACH	<input type="checkbox"/>	FIRE HYDRANT	<input type="checkbox"/>	P.G.&E. VAULT	<input type="checkbox"/>	DVD OF SEWER VIDEO
<input type="checkbox"/>	WATER METER	<input type="checkbox"/>	STREET TREE	<input type="checkbox"/>	STREET LIGHT & NO.	<input type="checkbox"/>	LETTER STATING ALL MONUMENTS HAVE BEEN SET.
<input type="checkbox"/>	WATER METER BOX	<input type="checkbox"/>	LOT DRAINAGE	<input type="checkbox"/>	AVB'S		

ALL ITEMS INSPECTED SHALL BE INSTALLED PER PLANS AND CITY STANDARDS AND SPECIFICATIONS

COMMENTS

1. ALL CONCRETE INSPECTED SHALL BE FREE FROM CRACKS, DAMAGE, SPRAWLING, GRAFFITI, EXCESS CONCRETE OR FOREIGN MATERIALS. USE NON-SHRINK EPOXY-GROUT FOR PATCHING CONCRETE.
2. WATER METER SHALL BE FREE OF DIRT AND RETAIN PROPER CLEARANCE FROM BOTTOM AT THE DEPTH OF WATER METER BOX. WATER METER BOX AND LID SHALL BE WITHOUT DAMAGE. INSTALL PER STANDARD W-1 AND W-1A.
3. SIGNAGE SHALL BE INSTALLED IN CORRECT LOCATION AND WILL BE INSPECTED FOR PROPER MATERIALS AND MANUFACTURING. ALL SIGNAGE WILL BE PLACED BACK OF WALK PER ADA STANDARDS.
4. FIRE HYDRANT'S SHALL BE PAINTED REQUIRED CITY COLOR SPECIFIED IN PLANS, LOCATED AT BACK OF WALK, PAD WILL HAVE CONSTRUCTION JOINT AT BACK OF WALK AND TRACER WIRE SECURED AROUND BOLT OF BREAK-OFF SPOOL.
5. STREET TREE SHALL BE LOCATED WITHIN 5' OF BACK OF WALK IN CITY RIGHT-OF-WAY, BE VIGOROUS IN HEALTH, FREE FROM DISEASE AND PESTS, BASE OF TREE SHALL BE 2" DIAMETER OR MORE, ROOTS SHALL BE COVERED AND SHALL BE PLANTED PER CITY STANDARD # 46. NOTIFY INSPECTOR 24 HOURS IN ADVANCE OF TREE DELIVERY FOR INSPECTION.
6. LOT DRAINAGE - BACK, SIDES AND FRONT YARDS SHALL BE PROPERLY RAKED AS PER STANDARD PLAN # 52 AND BE FREE OF WEEDS, DEBRIS, PONDING. LOT GRADING SHALL BE AS GRADUAL AS POSSIBLE FROM BACK OF LOT TO FRONT, AND SIDE TO PROPERTY LINE AT FENCE. TRENCHES OR DITCHES ARE UNACCEPTABLE.
7. STREET ADDRESS AT CURB - SHALL BE 3" NUMBERING, BLACK ON WHITE AND BE LOCATED NEXT TO DRIVEWAY APRON ON FACE OF CURB.
8. PAC BELL AND P.G.&E. VAULTS SHALL BE LOCATED BACK OF WALK AND SET FLUSH WITH FINISH GRADE CONFORMING TO SLOPE OF LOT.
9. ELECTROLIER - SHALL BE INSTALLED PER STANDARD # 49 AND 50, AND SHALL HAVE REQUIRED STREET LIGHT NUMBER AFFIXED TO POLE PRIOR TO INSPECTION. ALL ELECTROLIERS ARE WORKING PROPERLY.
10. AIR VACUUM BREAKERS - INSTALL PER CITY STANDARD SPECIFICATIONS CROSS-CONNECTION PROTECTION REQUIREMENTS, PRIOR TO INSPECTION.
11. ALL FINAL REPORTS, RECORD DRAWINGS, AND TEST RESULTS HAVE BEEN SUBMITTED TO PUBLIC WORKS DEPARTMENT, INCLUDING GASB REPORT.
12. IT NORMALLY TAKES 4 WEEKS FOR THE CITY COUNCIL TO ACCEPT PUBLIC IMPROVEMENTS AFTER ALL THE ABOVE ITEMS ARE COMPLETED AND SUBMITTED TO PUBLIC WORKS DEPARTMENT.
13. THE CITY WILL NOT ACCEPT PUBLIC IMPROVEMENTS UNTIL 100% OF THE PUBLIC IMPROVEMENTS AND HOMES/STRUCTURES ARE COMPLETE. SUBDIVISIONS MAY BE ACCEPTED IN PHASES AT THE SOLE DISCRETION OF THE CITY OF SOLEDAD PUBLIC WORKS DEPARTMENT.
14. THE ITEMS LISTED ABOVE ARE THE MINIMUM REQUIRED ITEMS AND ADDITIONAL ITEMS MAY BE ADDED AT THE SOLE DISCRETION OF THE CITY OF SOLEDAD.

**DEPARTMENT OF PUBLIC WORKS**  
 CITY OF SOLEDAD

**TITLE: PUBLIC WORKS INSPECTION CHECKLIST (FOR COMPLETION OF IMPROVEMENTS PRIOR TO ACCEPTANCE AND OCCUPANCY)**

STANDARD PLAN

DESIGNED BY: WAG  
 DRAWN BY: CR/AB  
 CHECKED BY: WAG

APPROVED: *[Signature]*  
 CLIFTON W. PRICE, DIRECTOR OF PUBLIC WORKS  
 WALTER A. GRANT, CITY ENGINEER - R.E. 42T80 EXP: 7-03-31-08

DATE: 10/18/07  
*[Signature]*

**55**