

- NOTE: This drawing is approved subject to:
- Approval of these plans does not release the owner of the responsibility for the correction of mistakes, errors, or omissions contained therein. If during the course of construction of the improvements, public interest requires a modification of or a departure from the city specifications or these improvement plans, the City Engineer shall have the authority to require such modification or departure and to specify the manner in which the same is to be made.
 - All work shall be done in accordance with the 1992 Standard Specifications for Public Works construction and the 1992 Standard Details and subsequent addenda for Public Works construction as adopted by the City Council. A digital copy of the Specifications and Details is available at http://www.sanjoseca.gov/publicworks/details_specs/
 - Contractor shall notify the Project Inspector at least 48 hours prior to starting work.
 - All Contractors will be responsible for the verification of locations of all existing utilities in the field. All Contractors shall call U.S.A. (CA. 1-800-227-2600) 48 hours before digging, and obtain an identification number (Section 4210.1 of the government code).
 - Compact subgrade for sidewalk and similar structures to 90% minimum relative density in lieu of the 95% required in section 21-1.05 of the Standard Specifications. Compact subgrade for curb, gutter and driveways to 95%. Relative compaction and moisture content of all native materials shall be determined by ASTM D2922 / D3017 and D1557.
 - All asphalt concrete mix shall be type 'A' - 3/4" coarse for base, 3/4" medium for surface and 1/2" medium for conforms. AC compaction shall be determined by ASTM D2950 or by testing cores selected per ASTM D973 / D3665 and tested per CAL 308. AC maximum density and air void content shall be determined on CAL 304 specimens tested per ASTM D1188. Air void content of all AC shall be 3-6% per ASTM D3203. Prior to constructing AC overlay, fill all cracks greater than 1/4" wide with crackfiller and remove and replace failed areas. All AC surfaces to be 98% relative compaction (U.O.N.).
 - Asphalt Coating:
 - Apply Tack Coat (aka point binder) to surfaces designated in, and in accordance with, section 39-4.02 of the 1988 Caltrans Standard Specifications. The asphaltic emulsion used shall be SS-1H.
 - Prime coat all aggregate base surfaces prior to placing A.C. paving unless the total thickness of A.C. paving is 0.5 foot or greater. Prime coat all aggregate base surfaces that will be subjected to traffic prior to paving.
 - Construct prime coat in accordance with section 39-4.02 of the 1992 Caltrans Standard Specification, with the exception that SS-1H asphaltic emulsion shall be used in lieu of liquid asphalt. Prime Coat not required for full depth AC alternate.
 - All irrigation lines or other privately owned underground lines that require relocation as determined by the City Engineer shall be at the sole expense of the developer.
 - Temporary street signs to be installed at all intersections before units are occupied.
 - As a water conservation measure, use of fire hydrant water or any other source of potable water for construction purposes is prohibited. Reclaimed water is available, on a cost recovery basis, at the City Water Pollution Control Plant located at 700 Los Esteros Road. For more information, please call Eric Hansen at (408) 363-4714.
 - Hazardous Materials:
 - Upon discovery of hazardous material the contractor shall promptly notify the City in writing of any.
 - Material that the contractor believes may be material that is hazardous waste, as defined in Section 25117 of the Health and Safety code, that is required to be removed to a Class I, Class II, or Class III disposal site in accordance with provisions of existing law.
 - Subsurface or latent physical conditions at the site differing from those indicated.
 - Unknown physical conditions at the site of any unusual nature, different material from those ordinarily encountered and generally recognized as inherent in work of the character provided for in the contract. The developer's agent shall promptly investigate the suspected condition and, as necessary, initiate further analysis of the problem. If remediation is required, a remediation plan will be submitted to the Director of Public Works for review by Environmental Management and, upon approval by the Director, be implemented at developer's sole expense.
 - In the event that Human Remains and/or Cultural Materials are found, all project-related construction shall cease within a 100-foot radius. The contractor shall, pursuant to section 7050.5 of the Health and Safety code, and section 5097.94 of the Public Resources Code of the State of California, notify the Santa Clara County Coroner immediately.
 - Contractor shall provide video inspection of all storm and sanitary sewer mains. Video inspection of all mains shall be performed after all testing has been completed.
 - Contractor shall remove all U.S.A. markings as soon as they are no longer needed. Only chalk paint shall be used in the Redevelopment Area (bounded by Julian Street and Highway 280, and between Highway 87 and Fourth Street). Removal of paint shall be by high water pressure method only.
 - Contractor shall stencil all storm drain inlets and catch basins with "NO DUMPING - FLOWS TO NEIGHBORHOOD CREEK" stencil. The Contractor shall locate the stencil on the face of the curb, adjacent to the catch basin hood. The left side is preferred. The stencils may be obtained, at no charge, through the Environmental Service Department (Christine Mohanna) by calling (408) 945-3000. Colors to be used are: Background-Bauer white, lettering-Bauer blue (handicap). Points to be used are: Pervo Plastic White Paint and Aerove Blue Traffic Line Paint.
 - Installation or removal of Street Trees requires a permit from the Department of Transportation. The City Arborist will specify species. Contact the City Arborist at (408) 277-4373 for a Tree Permit.
 - Sanitary and Storm Pipes
 - All VCP pipe applications 10" in diameter and greater shall require resilient compression joints (bell & spigot) as per section 1302-4.2.2. of the City Standard Specifications. Compression couplings (band seals) are allowed for VCP pipe applications of up to 8" in diameter as approved by the Director of Public Works.
 - All Storm Drain laterals to be 12" RCP unless noted otherwise.
 - All Sanitary sewer laterals to be 4" VCP unless noted otherwise.
 - All Sanitary sewer laterals to have a cleanout installed on-site within 5 feet of property line.
 - Ball-down manhole covers shall be used when manholes are not in the street (i.e. when located in landscaped areas, sidewalks, on-site easements, etc.).
 - Contractor damages existing asphalt section during the removal of existing curb and gutter or at the discretion of the Project Inspector, the asphalt concrete shall be repaired by sawcutting 12" minimum from the lip of gutter and installing a 12" minimum "Deep-Lift" AC section.
 - City Survey Monuments shall be preserved. In the event that a City Monument is lost to construction activities, the Contractor shall, at the Contractor's sole expense, be responsible for its re-establishment and the filing of a Corner Record with the County's Surveyor's Office. A Record of Survey shall be filed for all new City Monuments set in conjunction with this improvement plan, unless a Final or Parcel Map requiring said monuments is recorded as part of this project.
 - Pavement Marking and Striping layout and Traffic Signal Loop layout services shall be provided by the Developer's Engineer, Surveyor, or other qualified personnel.
 - Bench Mark:
 - Plan References (i.e. Planning permit number, Record Drawings, etc.)

ELECTRICAL NOTES - STREET LIGHTING

- Materials Submitted:
 - A list of the materials proposed by the Contractor to be used on this project for street lighting including, but not limited to luminaires, poles, conduit, conductors, pull boxes, and service equipment shall be submitted to the City's Project Inspector for review prior to the start of work. This list shall include the manufacturer's specifications for all applicable products.
 - Services:
 - Install a 240 v service next to each PG&E secondary box used for streetlight service, unless specified otherwise.
 - All electric service points shown on these plans were determined by PG&E and are tentative and shown for reference only. The actual service point(s) must be confirmed with PG&E prior to construction of electrical work. All additional costs incurred for work modifications required due to final service point locations/adjustments shall be borne by the permittee. If the final service point location(s) differ from the tentative location(s) shown on the plans, the permittee shall revise the plans and notify the Public Works Inspector of any changes and shall obtain city approval of changes prior to installation of electrical work.
- Salvage of Equipment:
 - Street lighting service cabinets to be salvaged shall be delivered to the City of San Jose Electrical Maintenance Shop at 1404 Mabury Road. Other equipment to be salvaged shall be delivered to the City of San Jose Central Service Yard at 1661 Senter Road. Contact the Department of Transportation at (408) 277-5515, 48 hours in advance to arrange for acceptance of salvaged equipment.
- Overhead Utility Conflicts:
 - Permittee is responsible for providing clearance for electroliers and traffic signal standards from overhead utility lines. Clearance must be a minimum of 10 feet from high voltage lines, 3 feet from secondary lines and 1 foot from communication lines. No electrolier or traffic signal standard shall be installed until proper clearance is obtained. All expenses associated with providing these clearances shall be borne by the developer.
- All electrolier locations shall be staked in the field by the permittee.
- All new conduit shall be 1-1/2" PVC with 2 #8 streetlight and 1 #8 ground conductors unless noted otherwise.
- All new electroliers shall be type 10B pole with C-8 mast arm and luminaire as indicated unless noted otherwise.
- All new pullboxes shall be #3-1/2 unless noted otherwise.
- A continuous #10 AWG green grounding conductor shall be installed for each new luminaire on new or re-wired electroliers. The grounding conductor shall be terminated in the luminaire housing and connected to the grounding wire in the base of the pole.

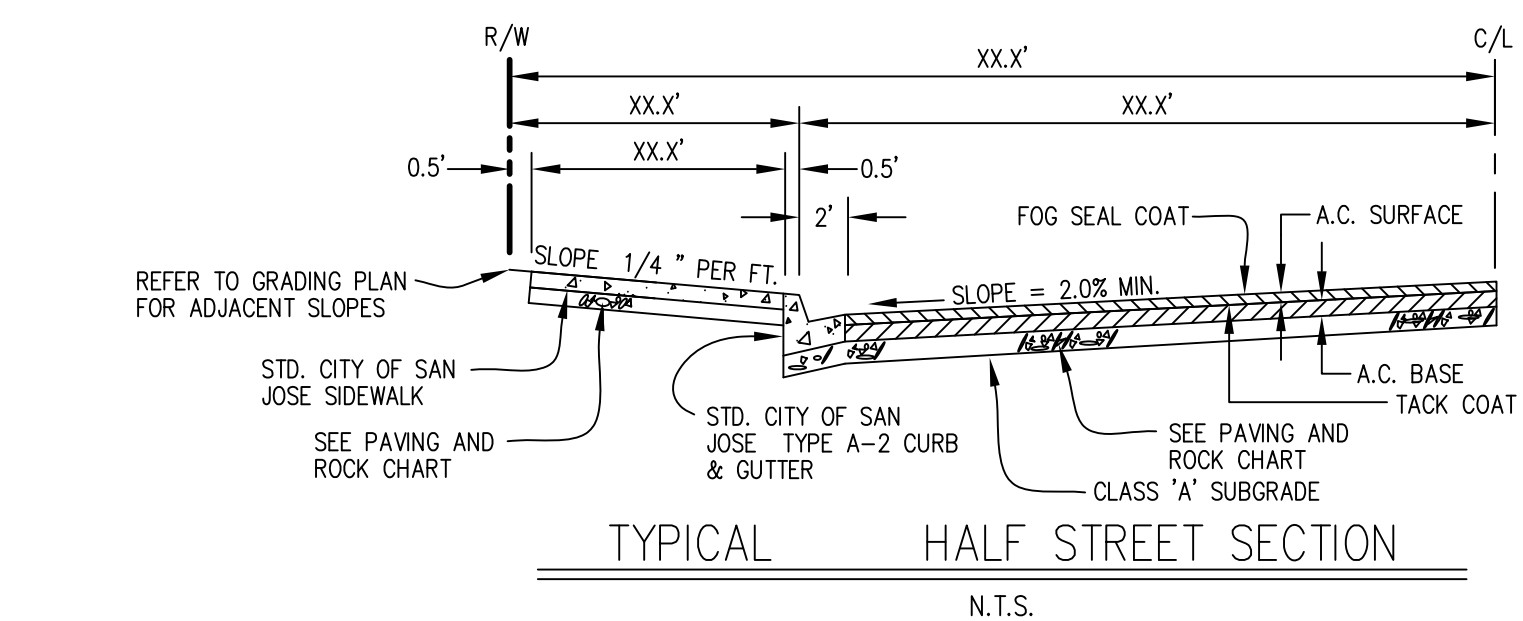
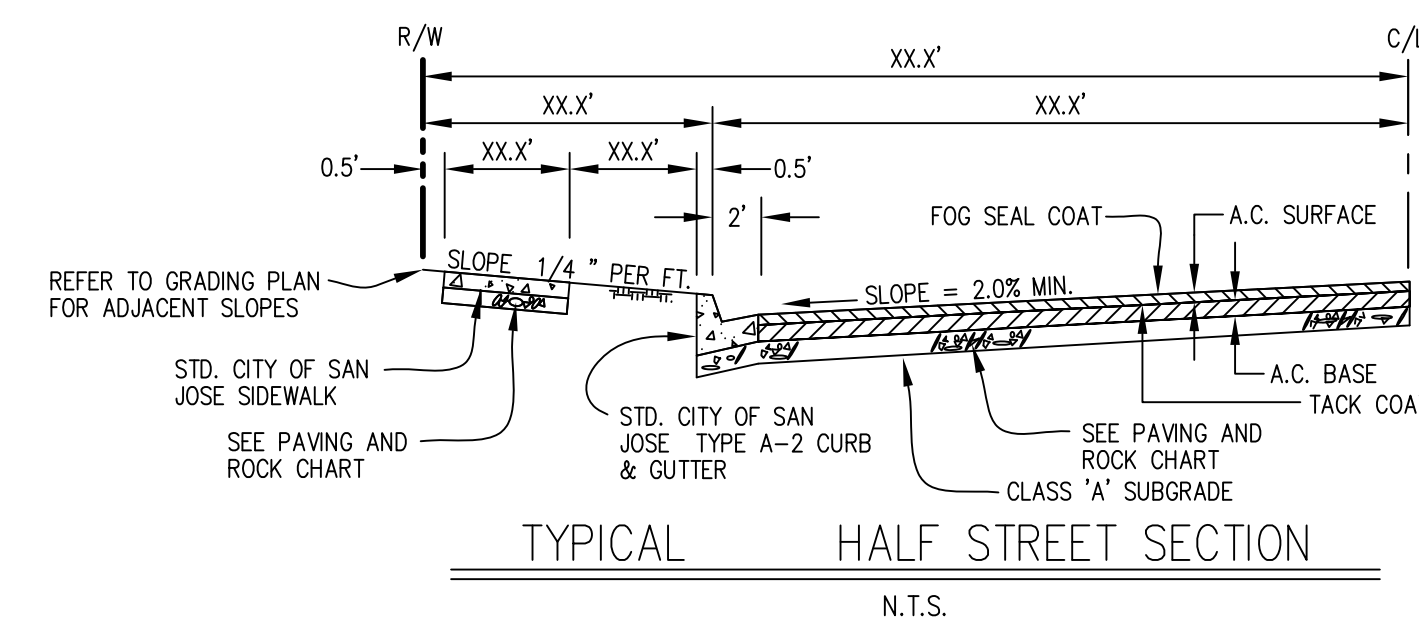
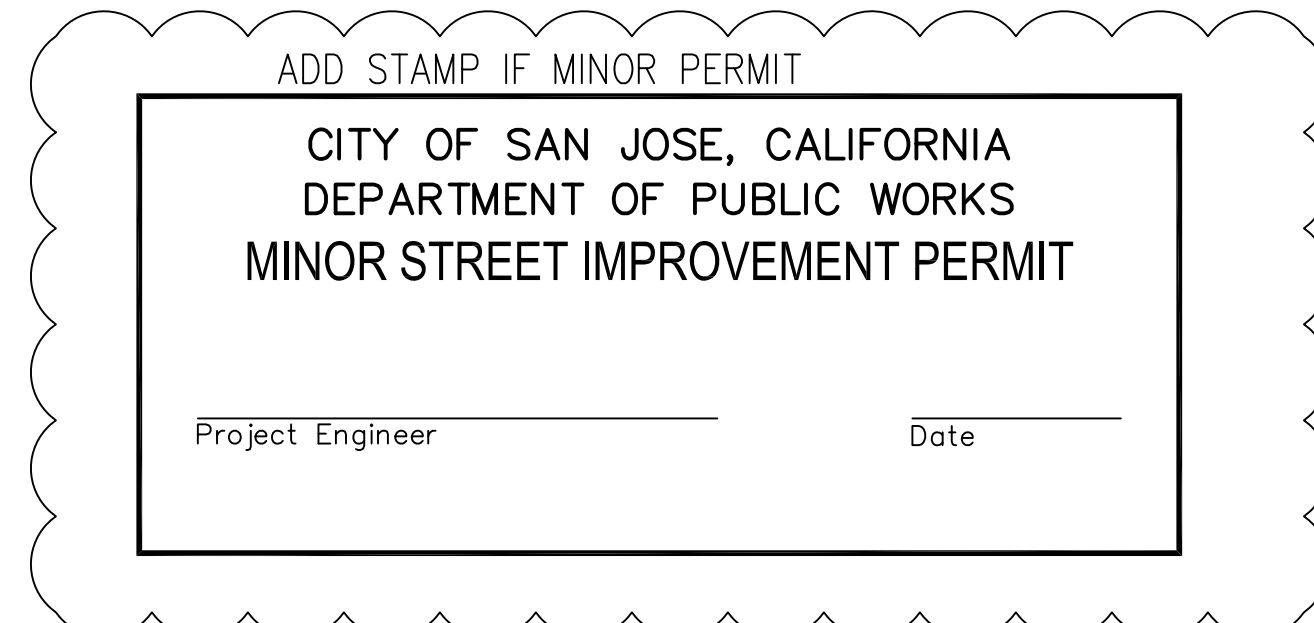
LOCATION MAP

LEGEND:

DESCRIPTION	TO BE CONST.	EXISTING
PROPERTY LINE	---	---
LIMITS OF WORK OR BOUNDARY	---	---
CENTERLINE	---	---
CURB AND GUTTER	---	---
SIDEWALK	---	---
STANDARD CITY BARRICADE	---	---
STANDARD HOODED INLET	▲ (LARGE 3'X3')	△ (LARGE)
ALTERNATE DRAINAGE INLETS (TYPE AS NOTED)	▲ GDO	△ GDO
CITY SURVEY MONUMENT	■	■
FIRE HYDRANTS	■	■
ELECTROLIER	○	○
ELECTROLIER (REMOVED/RELOCATED)	○	○
PULL BOX	■	■
P G & E SERVICE POINT	■	■
SANITARY SEWER	---	---
STORM SEWER	---	---
WATER	---	---
GAS	---	---
SANITARY MANHOLE	●	○
STORM MANHOLE	●	○
ELECTRICAL CONDUIT	---	---
EDGE OF PAVEMENT	---	---
DRIVEWAY	---	---
HANDICAP RAMP	---	---
PAVING CONFORM OR OVERLAY TO FORM SMOOTH A.C. TRANSITION	---	---
KEY TO CHANGES	---	---
STREET TREES	---	---

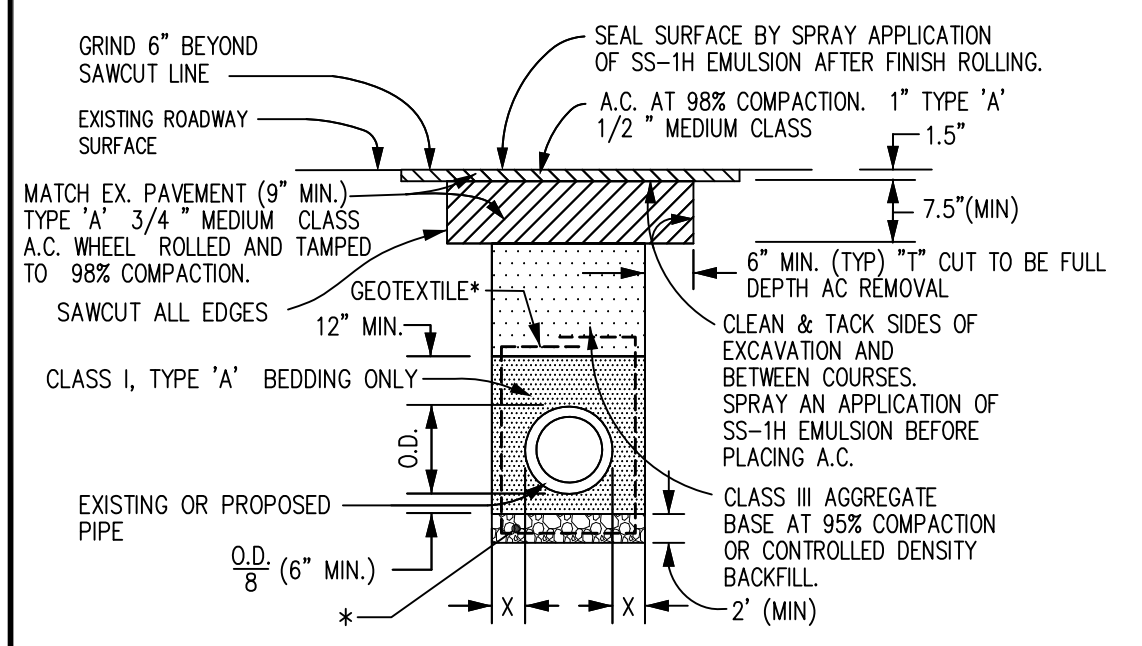
ABBREVIATION:

ANGPT	Angle Point	LP	Low Point
ARV	Air Release Valve	LT, Rt	Left, Right
ASB	Aggregate Subbase	PUE	Public Utility Easement
BC	Begin Curve	PVC	Polyvinyl Chloride
BO	Blowoff Valve	RCP	Reinforced Concrete Pipe
B/W	Back Of Walk	RW, R/W	Right Of Way
C&G	Curb & Gutter	SS	Sanitary Sewer
CL	Centerline	SSCO	Sanitary Sewer Clean Out
CR	Curb Ramp	SSDI	Storm Drain Drop Inlet
DIP	Ductile Iron Pipe	SDMH	Storm Drain Manhole
DW	Centerline Of Driveway	SSMH	Sanitary Sewer Manhole
EASE	Easement	SSLat	Sanitary Sewer Lateral
EP	Edge Of Pavement	SW	Sidewalk
Er	End Of Return	TC	Top Of Curb
FG	Finish Grade	TDC	Top Of Depressed Curb
FH	Fire Hydrant	TRC	Top Of Rolled Curb
FL	Flow Line	TVC	Top Of Vertical Curb
F/S	Fire Service	VCP	Vitrified Clay Pipe
F/W	Front Of Walk	WLE	Water Line Easement
GB	Grade Break	WM	Water Meter
HP	High Point	WS	Water Service
INV	Invert	WV	Water Valve
LAT	Lateral	XING	Crossing



SHEET INDEX

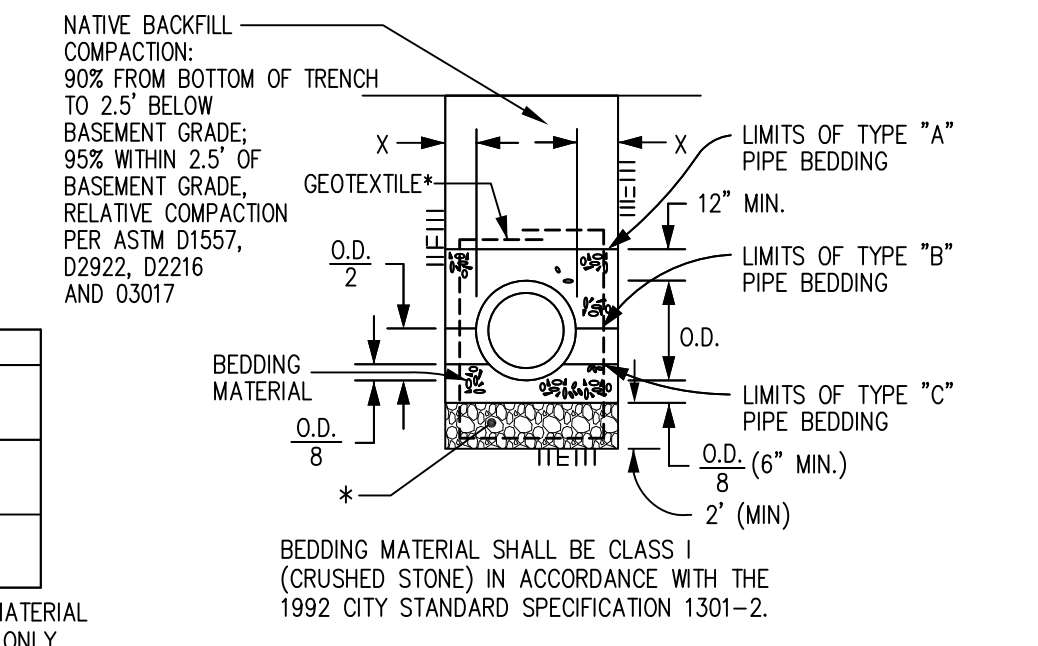
NO.	TITLE SHEET
1.	Title Sheet



PIPE SIZE	MINIMUM	MAXIMUM
24" OR LESS	4"	4" + O.D.
27" AND GREATER	6"	6" + O.D.

BEDDING TYPE	CATEGORY OF PIPE
A	VITRIFIED CLAY PIPE, CONCRETE PIPE 24" DIA. AND GREATER
B	CONCRETE PIPE 24" DIA. AND LESS
C	DUCTILE IRON PIPE

* GEOTEXTILE AND CLASS I, BEDDING STABILIZATION MATERIAL SHALL BE USED FOR UNSUITABLE SOIL CONDITIONS ONLY OR AS DIRECTED BY CITY ENGINEER/INSPECTOR.



NEW STREET PIPE BEDDING DETAIL FOR ALL PUBLIC STORM AND SANITARY SEWER PIPE

STREET NAME	ALT.	TOTAL ASPHALT PAVEMENT (IN FEET) (1)	STREET AGG. BASE (IN FEET) (2)	C. & G.			SDWK.	DRVWY.
				BASE MATERIAL (IN FEET)	CLASS 3 AGGREGATE BASE UNLESS OTHERWISE SPECIFIED (2)			

A INDICATES FULL PAVEMENT
 B INDICATES CLASS 3 AGGREGATE BASE
 C INDICATES CLASS 2 AGGREGATE BASE

(1): TYPE "A" AC
 (2): SECTION 26

PLAN FOR THE IMPROVEMENT OF TITLE OF PROJECT

SAN JOSE CALIFORNIA

CONSULTANT'S INFORMATION

DEPARTMENT OF PUBLIC WORKS

PERMIT # 09-XXXXX PROJECT # 3-XXXXX

PROJECT INSPECTOR: NAME HERE VOICE MAIL: (408) 975-XXXX

PROJECT ENGINEER: NAME DATE

DEPARTMENT OF TRANSPORTATION: NAME DATE

MUNICIPAL WATER: NAME DATE

TIM TOWN: NAME DATE

STREETLIGHT LAYOUT: NAME DATE

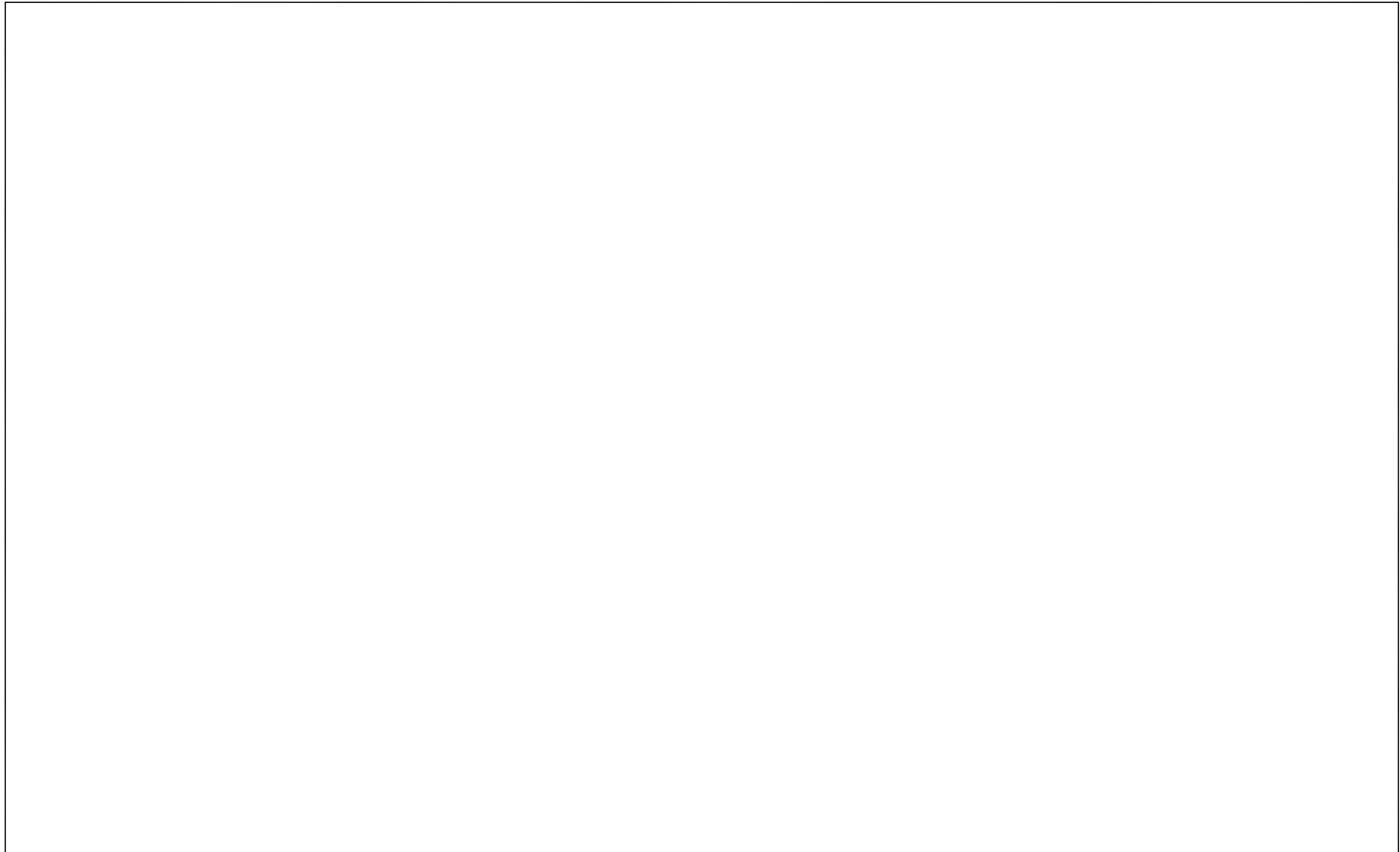
ELECTRICAL CIRCUITS: NAME DATE

GUIXIANG CHEN - ELECTRICAL ENGINEER DATE

ADDITIONAL APPROVAL: NAME DATE

APPROVED BY KATY ALLEN DIRECTOR OF PUBLIC WORKS

SHEET XX OF XX



CONSULTANT'S INFORMATION	Date:	March 16, 2008				PLAN FOR THE IMPROVEMENT OF TITLE OF PROJECT SHEET DESCRIPTION	PERMIT # 09-999999 PROJECT # 3-999999 PROJECT INSPECTOR: NAME HERE VOICE MAIL: (408) 975-9999	PROJECT ENGINEER	ADDITIONAL APPROVAL	DEPARTMENT OF PUBLIC WORKS SAN JOSE, CALIFORNIA CITY OF SAN JOSE CAPITOL OF SILICON VALLEY APPROVED BY KATY ALLEN DIRECTOR OF PUBLIC WORKS SHEET XX OF XX		
	Scale:							NAME	DATE		NAME	DATE
	Designed:	XX						DEPARTMENT OF TRANSPORTATION			STREETLIGHT LAYOUT	
	Drawn:	XX						NAME	DATE		NAME	DATE
	Checked:	XX						MUNICIPAL WATER			ELECTRICAL CIRCUITS	
Proj. Engr:	XX				DESIGN BY	DESIGN DATE	CITY APPR.	APPR. DATE	NAME	DATE		
File:									TIM TOWN	DATE	GUIXIANG CHEN - ELECTRICAL ENGINEER	DATE