



**CITY OF PINOLE
DEPARTMENT OF PUBLIC WORKS
PUBLIC PROPERTY
ENCHROACHMENT PERMIT APPLICATION**

2131 Pear Street
724-9010
Pinole, CA 94564

Phone: (510) _____

Permit No. FAX:

Location of Work _____

APPLICANT TO FILL IN (PLEASE PRINT)

Permittee/Owner _____	Contractor _____
Address _____	Address _____
City _____ Zip Code _____	City _____ Zip Code _____
Telephone No. _____	Telephone No. _____

- | | | | |
|--|--|---|---|
| <u>Description of Work</u> | <input type="checkbox"/> New | <input type="checkbox"/> Replacement | <input type="checkbox"/> Asphalt Replacement |
| <input type="checkbox"/> Trench/Excavation | <input type="checkbox"/> Sidewalk | <input type="checkbox"/> Sewer line/lateral | <input type="checkbox"/> Dumpster – Storage on street |
| <input type="checkbox"/> Driveway Approach | <input type="checkbox"/> Curb & Gutter | <input type="checkbox"/> Other _____ | |

Requirements (Office Use Only)

(HARD COPY OF PERMIT MUST BE KEPT ON THE JOB SITE AT ALL TIMES)

I, the undersigned permittee hereby certify and agree to the following:

That I or the entity on whose behalf this certification is given, hold a currently valid California Contractor's License and a City of Pinole Business License.

That I have received, read, and understand and I agree to perform all work in accordance with the permit (back side included), the document titled "Instructions for Encroachment Permits", Standard Specifications for Public Works Construction, applicable Standard Plans, and the Municipal Code.

That in consideration of the granting of this permit, the City of Pinole, City wherein the permit work is to be performed and any of their officers or employees thereof shall be saved harmless by the applicant from any liability or responsibility for any accident, loss or damage to persons or property, happening or occurring as the proximate result of any of the work undertaken under the terms of this application and the permit of permits which may be granted in response thereto, and that all of said liabilities are hereby assumed by the applicant. It is further agreed that if any part of this installation interferes with future use of the highway by the general public, it must be removed or relocated, as designated by the Director of Public Works at the expense of the permittee or his successor in interest.

Signed N.P.D.E.S. Compliance Certification _____
Initial

By: _____ Date _____ City Business Lic. No. _____
Permittee Signature Contractor's Lic. No. _____

ITEMS VERIFIED:

(Office Use Only)

- | | |
|---|---|
| <input type="checkbox"/> City Business License | <input type="checkbox"/> Contractor's License |
| <input type="checkbox"/> Worker's Comp. Insurance | <input type="checkbox"/> Signed Hold Harmless |
| <input type="checkbox"/> Signed N.P.D.E.S. Compliance Certification | |
| <input type="checkbox"/> Certificate of Insurance | |
| <input type="checkbox"/> Additional Insured Endorsement | |

FEES:

Permit _____
Plan Check Deposit* _____
Inspection Deposit _____
Total _____

Approved: _____ Date _____
(Not valid unless approved by Department)

* (Actual Cost will be calculated at project completion)

STANDARD REQUIREMENTS

All work, unless otherwise specified, shall be done in accordance with the current edition of the Caltrans Standard Specifications and the Contra Costa County Standard Plans.

Traffic control throughout permit construction shall conform to the current State of California MANUAL OF WARNING SIGNS, LIGHTS AND DEVICES FOR USE IN PERFORMANCE OF WORK UPON HIGHWAYS. Permittee shall provide and maintain all such signs, lights and devices.

All barricades must have portable flashers unless otherwise specified.

Traffic may be restricted only between the hours of 9:00 a.m. and 3:p.m. and subject to review of the Traffic Engineer.

One lane of traffic in each direction shall be maintained at all times on all major and secondary highways.

Pedestrian walkways must be maintained with safety fencing or barrier separation for adjacent excavation when unattended.

Before work on any sewer line begins, a permit must be issued by the City of Pinole's Building Department in addition to this permit. For information on sewer permits call (510) 724-8912 and ask for the Building Department.

When permittee tunnels under existing curbs, gutters and sidewalk, the excavated trench shall be backfilled with cement grout as prescribed in the Standard Specifications.

A.C pavement shall be saw cut beyond edge of trench as specified by the Director of Public Works.

Compaction tests and material tests shall be borne by the permittee.

A one sack sand slurry mixture may be required for compaction where excavation interferes with traffic flow or where work is within the roadway portion of an intersection.

All excavations must be back-filled or plated at the end of each workday. The City reserves the right to require the permittee to plate open trenches in lieu of backfilling.

Permanent pavement repairs shall be made within 25 calendar days after excavation work is completed. Inspector's approval is required before permanent repairs are made.

Concrete sections must be replaced scoreline to scoreline unless otherwise approved by the Director of Public Works.

Excavations for sidewalks may remain open for up to two days with proper barricades.

Excavations for driveway approaches may remain open for up to two days with proper barricades and permission of property owner.

Dumpsters must have reflectors and reflectorized tape as specified by the city. Valid for 30 days.

It shall be the Permittee's responsibility to locate any storage sites for materials and equipment needed outside the public right of way unless approved in advance by the Director of Public Works.

*** FOR INSPECTION CALL; (510) 724-9010(48 HOURS NOTICE REQUIRED)
THIS PERMIT SHALL BE VALID FOR A PERIOD OF NO MORE THAN 90 CALENDAR
DAYS UNLESS STATED OTHERWISE ON THIS PERMIT.**

*** 48 HRS PRIOR TO ANY WORK THE PUBLIC WORKS DEPARTMENT SHALL BE
NOTIFIED.**

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**Worker's Compensation
Certificate of Insurance**

WHEREAS, the City of Pinole has required certain insurance to be provided by:

NOW THEREFORE, the undersigned insurance company does hereby certify that it has issued the policy or policies described below to the following named insured and that the same are in force at this time.

1. This certificate is issued to:

City of Pinole
City Hall
2131 Pear Street
Pinole, CA 94564

2. The insured under such policy or policies are:

3. Worker's Compensation Policy or Policies in a form approved by the Insurance Commissioner of California covering all operations of the named insured as follows:

<u>Policy Number</u>	<u>Effective Date</u>	<u>Expiration Date</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____

4. Said policy or policies shall not be canceled, nor shall there be any reduction in coverage or limits of liability unless and until thirty days written notice thereof has been served upon the City Clerk of the City of Pinole.

By: _____
Its Authorized Representative

Sample Endorsement

POLICY NUMBER

COMMERCIAL GENREAL LIABILITY

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.
**ADDITIONAL INSURED – OWNERS, LESSEES OR
CONTRACTORS (FORM B)**

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART.

SCHEDULE

Name of Person or Organization:

City of XYZ, its officials, employees ad agents

(If no entry appears above information required to complete this endorsement will be shown in the Declarations as applicable to this endorsement.)

WHO IS INSURED (SectionII) is amended to include as an insured the person or organization shown in the Schedule, but only with respect to liability arising out of "your work" for that insured by or for you.

Any other insurance or self-insurance maintained by the person or organization shown in the Schedule, shall be in excess of this insurance and shall not contribute with it.

As respects the interests of the person or organization shown in the Schedule, this insurance shall not be cancelled nor reduced in coverage or limits except after thirty (30) days prior written notice has been provided to said person or organization.

This insurance applies separately to each insured against whom claim is made or suit is brought except with respect to the company's limits of liability. The inclusion of any person or organization as an insured shall not affect any right which such person or organization would have as a claimant if not so included.

**INDEMNIFICATION AND HOLD HARMLESS AGREEMENT
AND WAIVER OF SUBROGATION AND CONTRIBUTION**

Contract/Agreement/License/Permit No. or description: _____

Indemnitor(s) *(list all names)*: _____

To the fullest extent permitted by law, Indemnitor hereby agrees, at its sole cost and expense, to defend, protect, indemnify, and hold harmless the _____ and its elected officials, officers, attorneys, agents, employees, volunteers, successors, and assigns (collectively "Indemnitees") from and against any and all damages, costs, expenses, liabilities, claims, demands, causes of action, proceedings, expenses, judgments, penalties, liens, and losses of any nature whatsoever, including fees of accountants, attorneys, or other professionals and all costs associated therewith (collectively "Liabilities"), arising or claimed to arise, directly or indirectly, out of, in connection with, resulting from, or related to any act, failure to act, error, or omission of Indemnitor or any of its officers, agents, servants or employees, subcontractors, materialmen, suppliers or their officers, agents, servants or employees, arising or claimed to arise, directly or indirectly, out of, in connection with, resulting from, or related to the above referenced contract, agreement, license, or permit (the "Agreement") or the performance or failure to perform any term, provision, covenant, or condition of the Agreement, including this indemnity provision. This indemnity provision is effective regardless of any prior, concurrent, or subsequent active or passive negligence by Indemnitees and shall operate to fully indemnify Indemnitees against any such negligence. This indemnity provision shall survive the termination of the Agreement and is in addition to any other rights or remedies which Indemnitee may have under the law. Payment is not required as a condition precedent to an Indemnitee's right to recover under this indemnity provision, and an entry of judgment against an Indemnitee shall be conclusive in favor of the Indemnitee's right to recover under this indemnity provision. Indemnitor shall pay Indemnitee for any attorneys fees and costs incurred in enforcing this indemnification provision. Notwithstanding the foregoing, nothing in this instrument shall be construed to encompass (a) Indemnitees' sole negligence or willful misconduct to the limited extent that the underlying Agreement is subject to Civil Code § 2782(a) or (b) the contracting public agency's active negligence to the limited extent that the underlying Agreement is subject to Civil Code § 2782 (b). This indemnity is effective without referring to the existence or applicability of any insurance coverages which may have been required under the Agreement or any additional insured endorsements which may extend to Indemnitees.

Indemnitor, on behalf of itself and all parties claiming under or through it, hereby waives all right of subrogation and contribution against the Indemnitees, while acting within the scope of their duties, from all claims, losses and liabilities arising out of or incident to activities or operations performed by or on behalf of Indemnitor regardless of any prior, concurrent, or subsequent active or passive negligence by the Indemnitees.

In the event there is more than one person or entity named in the Agreement as an Indemnitor, then all obligations, liabilities, covenants and conditions under this instrument shall be joint and several.

"Indemnitor"

Name: _____

Name: _____

By: _____
Its

By: _____
Its

Statement of Understanding

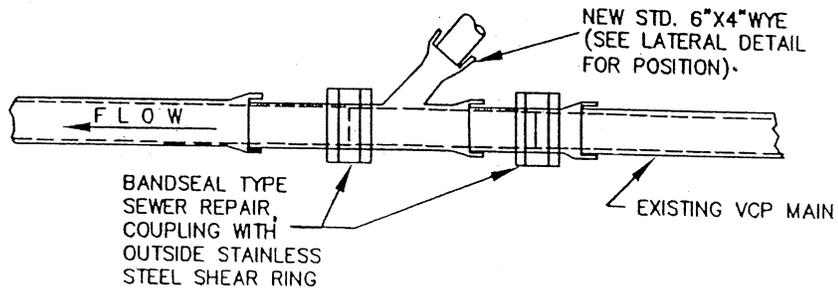
As the _____, of the project, I have reviewed the *Best Management Practices Handbooks, California Storm Water Quality Task Force, Sacramento, CA*, and have proposed the implementation of the Best Management Practices (BMPs) applicable, to effectively minimize the negative impact of this project's construction activities on the surrounding water quality. The selected BMPs will be installed, monitored and maintained to ensure their effectiveness. The BMPs that I have not chosen for implementation are redundant or deemed not applicable to the proposed construction activities. If at any time, site conditions and/or the County official warrant reevaluation and revisions the chosen BMPs, the appropriate changes will be made without unnecessary delay. I am aware that failure to properly implement and maintain, while under construction, the BMPs necessary to prevent the discharge of pollutants from the project could result in significant penalties and/or delays.

Signature: _____
Print Name: _____
Date: _____

Project Description: _____

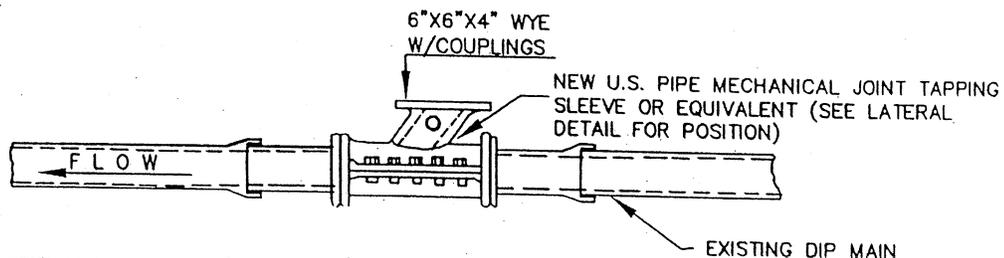
Project Address: _____

CITY OF PINOLE
STANDARD DETAILS



NOTE: THE NEWLY INSTALLED WYE SHALL BE OF THE SAME MATERIAL AS THE EXISTING MAIN.

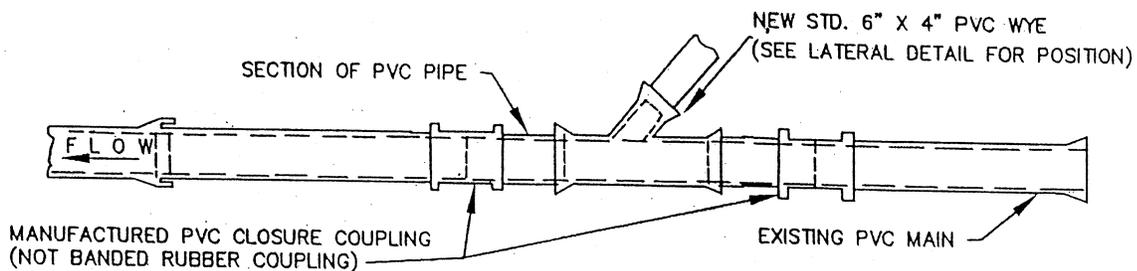
VITRIFIED CLAY (VCP)



NOTES:

HORIZONTAL PIPE ENTRY ANGLE WILL BE 90°, INSTEAD OF 45°
(SEE LATERAL DETAIL, PLAN VIEW)
VERTICAL PIPE ENTRY ANGLE SHALL BE 45° MINIMUM
(SEE LATERAL DETAIL PROFILE VIEW)

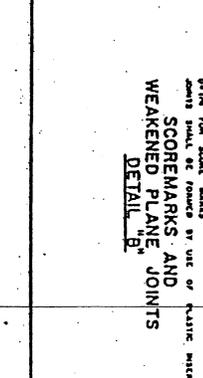
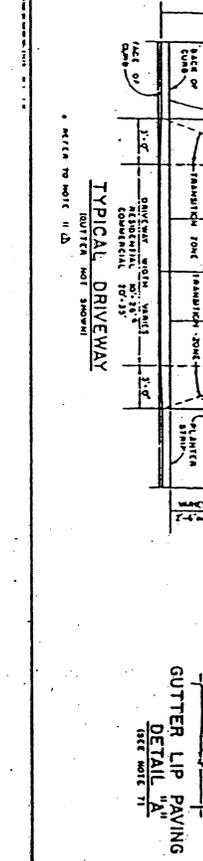
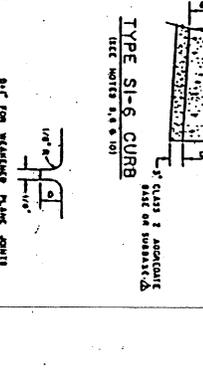
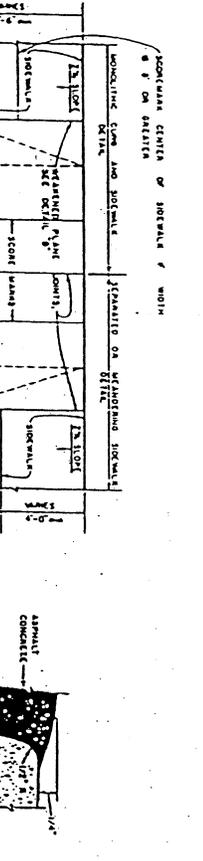
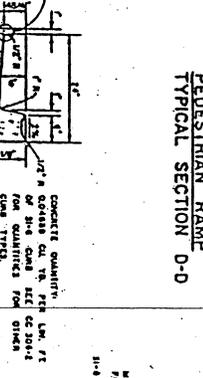
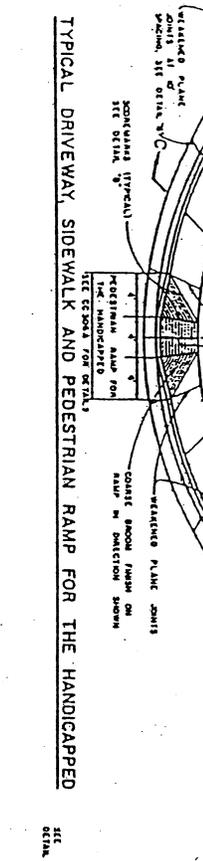
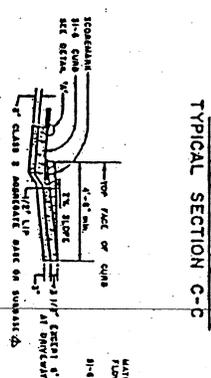
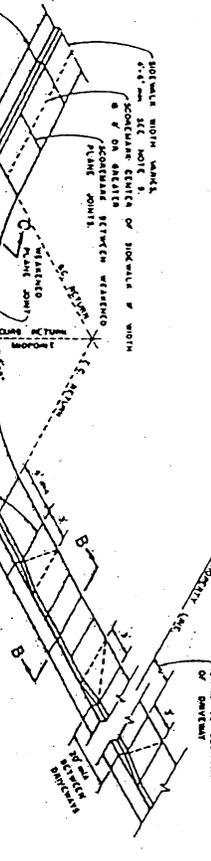
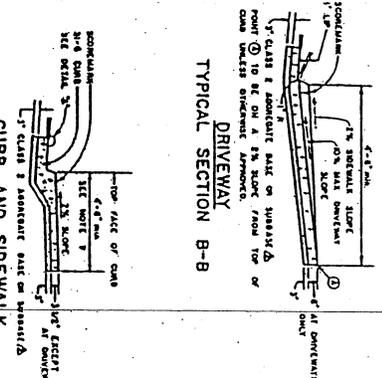
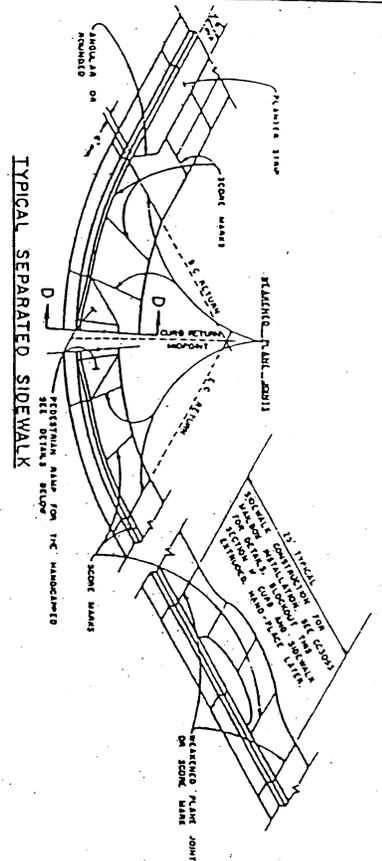
DUCTILE IRON PIPE (DIP)



NOTE: ALL PVC, PIPE AND FITTINGS SHALL BE SDR 35 35 AND SHALL HAVE RUBBER GASKETED JOINTS.
SOLVENT WELDED JOINTS SHALL NOT BE ALLOWED

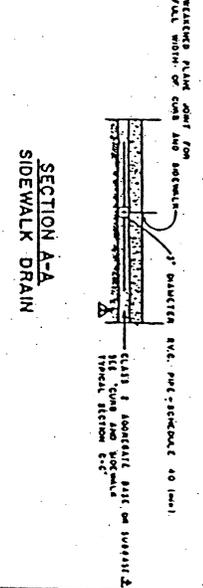
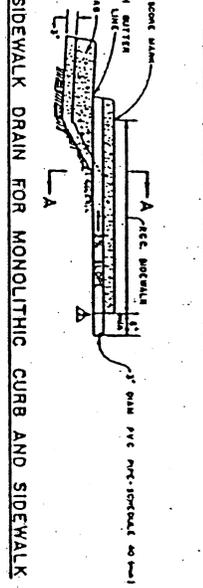
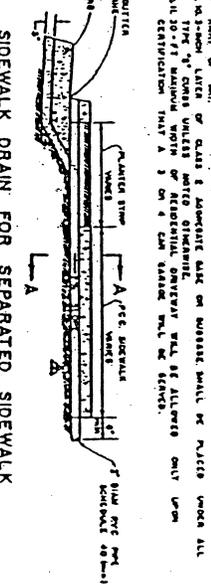
POLYVINYL CHLORIDE PIPE (PVC)
LATERAL CONNECTION TO EXISTING MAIN

NOTE: LATERAL CONNECTION INSTALLATION ON NEWLY INSTALLED PIPE WILL BE AS DIRECTED
BY THE DEPARTMENT OF PUBLIC WORKS.



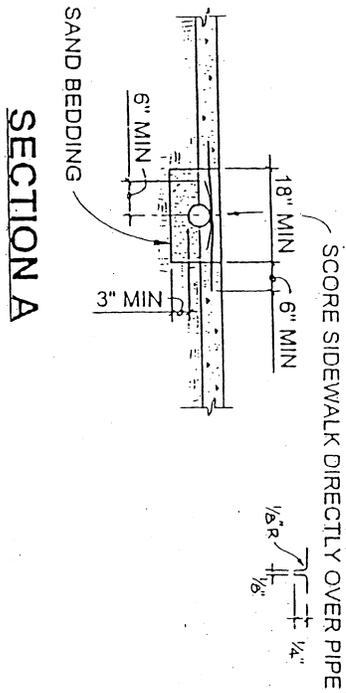
NOTES

1. CURB & SIDEWALK CONCRETE IS TO BE PER CU 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000.

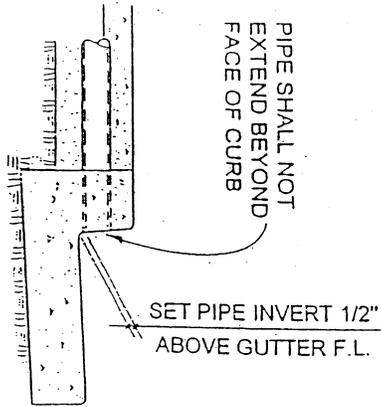


NO.	REVISION	DATE	BY	CHECKED
1	ISSUED FOR CONSTRUCTION	10/15/71	J. J. [Signature]	[Signature]
2	REVISED TO SHOW	11/15/71	J. J. [Signature]	[Signature]

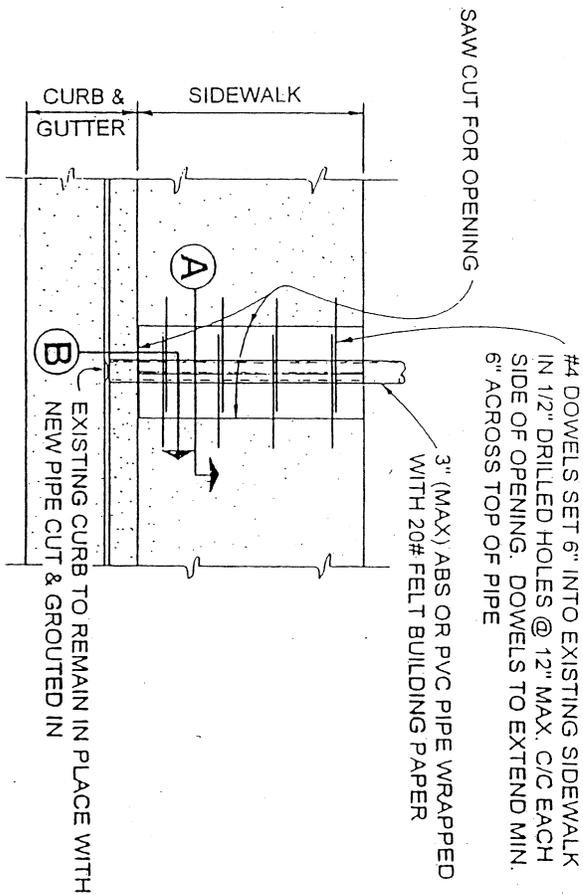
CC 306



SECTION A



SECTION B



PLAN

CONSTRUCTION NOTES:

1. SAW CUT TO REMOVE PORTION OF EXISTING SIDEWALK WITH CURB TO REMAIN IN PLACE.
2. CONCRETE TO BE CLASS "B" PORTLAND CEMENT CONCRETE, 5 SACKS PER CUBIC YARD, 3/4" MAX. AGGREGATE. ADD 1/2 LB LAMPBLACK PER CUBIC YARD.
3. CONCRETE TO BE SMOOTH STEEL TROWELED FINISH, LEVEL WITH EXISTING SIDEWALK.

<p>CITY OF PINOLE DEPARTMENT OF PUBLIC WORKS</p>	
<p>UNDER SIDEWALK DRAIN PIPE</p>	
<p>Approved/ Director Of Pub. Wks.</p>	<p>date: REVISED MAY 1996</p>
<p>drawn by: RFG</p>	<p>scale: NONE</p>
<p>checked by:</p>	<p>sheet: 1 OF 1</p>
<p>no:</p>	<p>drawing no:</p>



Pinole California

Public Works Department

2121 Pear Street
Pinole, CA 94564

Phone (510) 724-9010
Fax (510) 724-4921

Reinforcing Steel in Slabs on Grade

Introduction

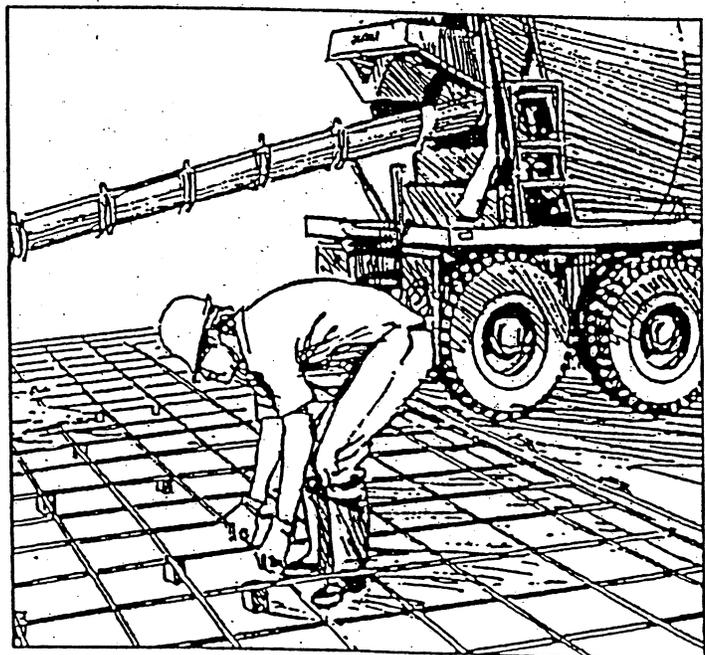
The phrase slab on grade, as commonly used in practice, covers a number of slab applications. Included are industrial and commercial floors, residential floors, parking lots, pavements, airport slabs, and other practical uses of ground-supported slabs.

Reinforcing steel in the form of welded wire fabric (WWF) or deformed bars, running in both directions, may be placed in a slab on grade for a number of reasons. This form of reinforcement adds to the strength of the slab, acts as crack control to resist drying shrinkage and temperature effects, reduces future maintenance, and generally helps produce a higher quality concrete slab. A complete list of advantages is given below.

Reinforcing bars or WWF functions best as reinforcement when the steel is supported and thus placed in a specific location in the slab prior to placement of the concrete. Visual inspection verifies that that reinforcement is properly positioned and will provide the benefits desired.

When reinforcing bars are specified, they should be placed in two layers (one layer directly contacting the other), with bars in each layer perpendicular to the other. Also, bars should be tied and supported to maintain proper spacing.

When welded wire fabric (deformed or plain) is specified, it should have sufficiently large wire diameters so as to be structurally stiff enough to remain in proper position during construction. Wire spacing should be selected for construction stability and convenience, and as with reinforcing bars, the WWF must be supported.



Workman sets reinforcing steel mat on 3-inch concrete blocks to ensure proper positioning of steel slab on grade.

Advantages

Numerous advantages result from proper placement of reinforcing bars or welded wire fabric in a slab on grade. Some of these can be achieved in no other way:

Controls Cracking

Steel reinforcement within a slab holds tightly closed any cracks resulting from drying shrinkage, temperature changes, or applied loadings. When cracks are kept tight, aggregate interlock is preserved and faulting will not occur. Cracks are frequently kept so tight as to be difficult to see.

Increased Joint Spacing

The spacing of control joints may be increased when rebar or WWF is used. The increase can vary from slight to substantial depending on the design concept and the intended performance of the slab. The subgrade drag equation (see design examples) is used to relate wider joint spacings with the amount of reinforcing bar or welded wire fabric in the concrete cross section.

Soft Spots in Subgrade

During the construction process, it is not uncommon to encounter or produce soft spots in the subbase or subgrade. These can occur due to local moisture, last-minute excavation for a drain, or similar situations. A reinforced slab on grade will span soft spots by providing enough structural capacity to bridge the weaker supporting areas.

Restraint to Curling

Reinforcement in the upper half of a concrete slab on grade will act as a restraint to drying shrinkage. When shrinkage in the upper portion of the slab is restrained, and thereby lessened, curling will be reduced. The closer the steel is to the top - and the more steel used - the more curling will be reduced.

Structural Strength After Cracking

When overloading occurs, and the cracking moment limit of the slab has been exceeded, structural cracks may occur. The steel will then act as structural reinforcement and provide moment capacity according to normal, cracked-section, reinforced concrete theory.

Resistance to Impact

In numerous slab applications, loading is such that impact on the slab increases the stress level in the concrete. Reinforcing bars or WWF will reduce the strains caused by impact loading, thereby preventing premature cracking.

Slab and Joint Maintenance

When cracks are maintained tightly and when curling is reduced - both by the presence of reinforcing steel in the top half of the slab - maintenance of slabs on grade is substantially reduced.

Construction of Joint-Free Slabs

With reinforcement, construction joints may be spaced according to the planned size of a single day's pour. This could be a strip or a large rectangular panel. In such a slab, no contraction joints would be required. The distributed reinforcement allows acceptable hairline cracking due to drying shrinkage.

Shrinkage Compensating Concrete

The use of shrinkage-compensating concrete demands the use of reinforcing steel. All the advantages of the steel still exist even though the steel is required for the concrete to expand and contract as planned.

Thickened Slabs at Joints and Edges

Reinforcing steel can be selected to give concrete slabs on grade adequate strength at the joints. This allows the designer to maintain a constant slab depth without thickening at joints or edges. Thickened edges add more restraint to drying shrinkage and cost more.

Confidence With Doubtful Subgrade

It is common for a slab on grade to be planned and designed without adequate information on the soil, fill material, or subgrade support capability. The presence of reinforcing bars or welded wire fabric in a slab on grade creates confidence in the ability of the slab to perform adequately even though some doubt may exist concerning the subgrade support.

NOTE: The City of Pinole per Ordinance #15.04.070 requires that all Garage and Driveway slabs shall be 5" thick and shall be reinforced with 10 gauge, 6-inch square welded wire fabric (WWF).

(Reprinted from PCA Bulletin, Vol. 13, No. 1, March 1992 - Concrete Technology Today)

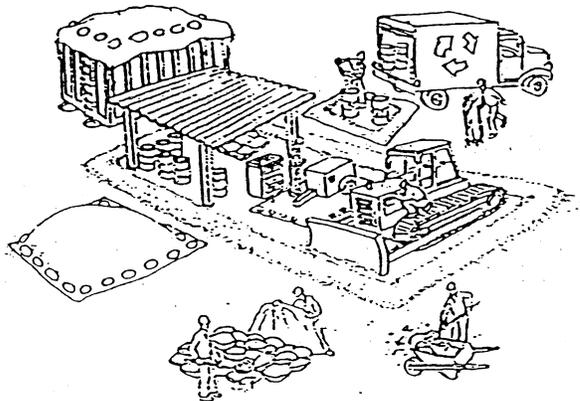


Contra Costa
Program Participants: Antioch, Brentwood, Clayton, Concord,
Pleasant Hill, Richmond, San Pablo, San Ramon, Walnut Creek, C

Pollution Prevention

Make sure your cre

Runoff from streets and other paved areas is
Construction activities can directly affect the
dirt, debris, and other construction waste aw
will help ensure your compliance with local agen



Vehicle and equipment maintenance & cleaning

Materials storage & spill cleanup

Non-hazardous materials management

- ✓ Sand, dirt, and similar materials must be stored at least 10 feet from catch basins, and covered with a tarp during wet weather or when rain is forecast.
- ✓ Use (but don't overuse) reclaimed water for dust control as needed.
- ✓ Sweep streets and other paved areas daily. Do not wash down streets or work areas with water!
- ✓ Recycle all asphalt, concrete, and aggregate base material from demolition activities.
- ✓ Check dumpsters regularly for leaks and to make sure they don't overflow. Repair or replace leaking dumpsters promptly. Cover dumpsters during wet weather.

Hazardous materials management

- ✓ Label all hazardous materials and wastes (such as pesticides, paints, thinners, solvents, fuel, oil, and antifreeze) in accordance with local agency, state, and federal regulations.
- ✓ Store hazardous materials and wastes in secondary containment and cover them during wet weather.
- ✓ Follow manufacturer's application instructions for hazardous materials and be careful not to use more than necessary. Do not apply chemicals outdoors when rain is forecast within 24 hours.
- ✓ Be sure to arrange for appropriate disposal of all hazardous wastes.

Spill prevention and control

- ✓ Keep a stockpile of spill cleanup materials (rags, absorbents, etc.) available at the construction site at all times.
- ✓ When spills or leaks occur, contain them immediately and be particularly careful to prevent leaks and spills from reaching the gutter, street, or storm drain. Never wash spilled material into a gutter, street, storm drain, or creek!
- ✓ Report any hazardous materials spills immediately!

- ✓ Inspect vehicles and equipment for leaks frequently. Use drip pans to catch leaks until repairs are made; repair leaks promptly.
- ✓ Fuel and maintain vehicles on-site only in a bermed area or over a drip pan that is big enough to prevent runoff.
- ✓ If you must clean vehicles or equipment on-site, clean with water only in a bermed area that will not allow rinsewater to run into gutters, streets, storm drains, or creeks.
- ✓ Do not clean vehicles or equipment on-site using soaps, solvents, degreasers, steam cleaning equipment, etc.



Earthwork & contaminated so

- ✓ Keep excavated soil on the site where it is least likely to collect in the rain. Transfer to dump trucks should take place on the site, not in the street.
- ✓ Use straw bales, silt fences, or other control measures to minimize the amount of silt off the site.



- ✓ Avoid scheduling earth moving activities during the rainy season if possible. If grading activities during wet weather are allowed in your permit, be sure to implement all control measures necessary to prevent erosion.
- ✓ Mature vegetation is the best form of erosion control. Minimize disturbance to existing vegetation whenever possible.
- ✓ If you disturb a slope during construction, prevent erosion by securing the slope with erosion control fabric, seed with native grasses or other appropriate vegetation, and use other appropriate erosion control measures.
- ✓ If you suspect contamination (from site history, discoloration, odor, or abandoned underground tanks or pipes, or buried debris), call the local agency.

Local Agencies: Antioch (925) 779-7035; Brentwood (925) 634-6920; Clayton (925) 672-6690; Concord (925) 671-3127; Danville (925) 314-3310; El Cerrito (510) 215-4300; Pleasant Hill (925) 671-5264; Richmond (510) 307-8091; San Pablo (510) 215-3030; San Ramon (925) 275-2250; Walnut Creek (925) 943-5827; Contra Costa (925) 438-2200

Storm drain polluters may be liable for cleanup costs