



Engineering Division
201 North Broadway, Escondido, CA 92025
(760) 839-4651, FAX (760) 839-4597

FIBER-OPTIC CABLE PLAN CHECK

To: _____	Date: _____
_____	Project: _____
_____	Project No. _____
_____	Address: _____
_____	_____
_____	Check No. _____
Attn: _____	Via: _____

The attached plans have been reviewed by this office and are being returned for correction. Please complete all corrections noted both on this check sheet and the attached plans. If you have any questions on this review, please feel free to contact the reviewer. This review sheet and the attached check print(s) need to be resubmitted along with the corrected plans before they can be rechecked.

From: _____

THE FOLLOWING CIRCLED CONDITIONS NEED REVISION PRIOR TO APPROVAL OF PLAN.

GENERAL REQUIREMENTS

1. The owner shall provide the City with a utility coordination clearance letter. (forms available at Engineering Department) The date of the letter needs to be added to the appropriate utility note.
2. Bonds and Fees:
 - a. Initial nonrefundable plan check and inspection fee \$ _____
 - b. Plan check and inspection fee balance \$ _____
 - c. Imaging Fee \$ _____
 - d. Cash Clean-up Bond \$ _____

Note: "Record Drawings" shall be prepared by the engineer and a digital copy provided to the City prior to release of cash clean-up bond.
3. **Re submit 5 bond copies and any redlines from previous plan check.** Copies of this plan were sent to the Utilities Department on first plan check. Any comments received need to be incorporated into the plans. The plans need to be approved by the Utilities Manager.
4. Obtain a CALTRANS permit for any work in CALTRANS right-of-way or under CALTRANS bridges.
5. Submit the original mylar(**REQUIRED 4 MIL DOUBLE-MATTED**) for city approval.

IMPROVEMENT PLAN REQUIREMENTS

1. Use standard City 24" by 36" mylar sheets (available at Engineering Dept on disk). Final plans shall be prepared with waterproof ink with minimum lettering of 1/8" in height. No "sticky back" attachments are allowed.
2. Show a north arrow on plan pointing to the top of sheet whenever possible.
3. Show Drawing No. _____ on the lower right hand corner of all sheets.
4. Show the improvement plan number of all reference plans both on the plans and in title block under "references".
5. Show horizontal and vertical scale on plan. Horizontal scale shall be a graphic bar-type, 1/4" wide and 4" long to accommodate future plan reduction.
6. Include a vicinity map.
7. Include an index map. The map shall be drawn at an appropriate scale showing the overall layout of the fiber optic cable system
8. Title Block should describe project with Street Names, etc.
9. The plans must be wet signed and sealed by a Registered Civil Engineer. The Engineer's Seal should show the expiration date.

10. Show the name, address and phone number of the Engineer and Owner on the plan.
11. Add signature block:
Reviewed by Utilities Manager: _____ Date: _____
12. Add signature blocks for the following:
 - a. Rincon Del Diablo Municipal Water District
 - b. San Diego County Water Authority
 - c. San Diego County Department of Transportation
 - d. Vallecitos Water District
 - e. CALTRANS
 - f. Valley Center Municipal Water District
 - g. City of San Diego
13. Show legend with definition of existing utility lines and appurtences also specific set symbols designating line representation on the plan. Denote set abbreviations in legend as show on plan.
14. Provide a copy of the draft environmental document prepared by the California PUC to the Escondido Planning Department for comment.
15. Provide a copy of the "Notice of Determination" of the CEQA review from the California PUC.
16. Show existing S.D.G.&E., Telco and cable TV facilities, including any conflicts.
17. Show all sewer, water, recycled water, storm drain and traffic signal conduit conflicts. Reference city drawings both on plans and under reference block.
18. Show narrow trench backfill cross-section per Standard Drawing No. G-2-E in all city streets.
19. Show the distance from centerline to face of curb and property line on all streets.
20. Show the distance from centerline of street to all fiber-optic conduits.
21. Maintain a minimum horizontal clearance of 5 feet from outside of fiber-optic conduit to outside of sewer, water and storm drain. Maintain a vertical clearance of 1 foot with all conflicts.
22. Show necessary details and cross sections of all bridge crossings and borings. When boring, maintain a 5-foot minimum clearance under any structures, otherwise noted on plans.
23. It is a preferred alternate to bore under all signalized intersections.
24. Structures and buildings associated with the project require a separate review and approval by the Planning and Building Division.
25. All manholes shall be located in a position in the street that is not located under the path of a vehicle's tires.
26. CITY OF ESCONDIDO ENGINEERING DEPARTMENT "APPROVED" signature block to be shown on title and plan sheets.
27. RECORD DRAWING signature block to be shown on title and plan sheets.

TITLE SHEET IMPROVEMENT PLAN NOTES:

GENERAL NOTES

1. All work to be done in accordance with the Standard Specifications and Special Provisions of the City of Escondido effective May 17, 2000 by Ordinance No. 2000-17 and the Standard Drawings of the City of Escondido effective June 23, 1999 by Resolution No. 99-123, along with any amendments thereto.
2. All contractors working in the public right of way shall obtain a separate Encroachment Permit from the Director of Public Works. Inspection of all work is required. Contact the Engineering Field Office at (760) 839-4664 to arrange for Encroachment Permits and inspection. Twenty-four hour advance notice is required for inspection. No work shall be performed in the public right of way on Saturdays, Sundays or legal holidays without the express permission of the City Engineer.
3. A city inspector may be required on the job site at all times that work is in progress as determined by the Engineer. Inspection will be required by the appropriate agency for the following type of work: trenching, special or sand bedding, laying pipe, any welding, backfill, compaction and pavement replacement. Payment for inspection overtime beyond a normal eight-hour day, Saturdays, Sundays or union observed holidays will be paid to the City or deducted from the cash deposit at the rate of Fifty Dollars (\$50.00) per hour per City of Escondido Resolution No. 93-117.
4. It shall be the responsibility of the contractor to locate all substructures, whether shown hereon or not, and protect them from damage. The expense of repair or replacement of said substructures shall be borne by the contractor.
5. Contractor shall replace or repair all traffic signal loops, conduits and lane striping damaged during construction. Traffic signal loops shall be replaced or repaired within 72 hours.
6. Neither the owner nor the engineer of work will enforce safety measures or regulations. The contractor shall be solely responsible therefor.
7. Location and elevation of all existing improvements within the area of work shall be confirmed by field measurement prior to construction of new work. Contractor will make exploratory excavations and locate existing underground facilities sufficiently ahead of construction to permit revisions to plans if revisions are necessary because of actual location of existing facilities.

UTILITY NOTES

1. All temporary paving placed by any contractor, subcontractor or utility company shall remain in the public right of way for not more than 30 calendar days on residential streets and 72 hours on arterials, major roads, collectors and local collectors, prior to placement of permanent pavement. All temporary paving placed in the public right of way shall be maintained continuously in accordance with City of Escondido Standard Drawing No. G-1-E.
2. All underground utilities to be installed before construction of curbs, gutters, sidewalks or surfacing of streets.
3. Contractor shall notify utility companies prior to starting work near company facilities and coordinate his work with company representatives. It shall be the responsibility of the developer to contact the utility companies, advise them of the proposed improvements and bear the cost of relocations, if needed. See owner's letter regarding utility coordination dated _____.
4. Verification of a San Diego County explosive permit and a policy of certificate of public liability insurance shall be filed with the Fire Department prior to any blasting within the City of Escondido.
5. The City may not be able to mark-out all sewer laterals and water services. If any sewer laterals or water services are broken as part of the construction, they will be repaired immediately at the contractor's expense.
6. When a future conflict exists with the fiber optic conduit and cables, they shall be relocated upon the city's request, at the owner's expense.
7. All fiber optic conduits shall be provided with a 6-inch wide strip of polyethylene nonmetallic detection tape one foot over the pipe.
8. At all points where the proposed conduit trench intersects a pre-existing watermain trench, the pre-existing watermain trench shall be backfilled with a 1-sack slurry backfill mix up to the top of the existing watermain.
9. Maintain a minimum horizontal clearance of 5 (five) feet from outside of fiber optic conduit to outside of sewer, water and storm drain. Maintain a vertical clearance of 1 (one) foot with all with all conflicts.
10. The required directional drilling depth for the fiber optics is to be set at minimum 10 (ten) feet from surface of public right of way over the alignment of the proposed conduit of fiber optics. Any deviation of the specified depth shall be reflected on the plan and verified by the field office.

COMMENTS:

1. _____

2. _____

3. _____

4. _____

5. _____

