

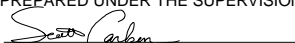
CONSTRUCTION NOTES


- 1 FURNISH AND INSTALL 12/10 MICRODUCT IN CONDUIT PER CONDUCTOR SCHEDULE.
- 2 FURNISH AND INSTALL 24 STRAND SMFO CABLE IN MICRODUCT PER CONDUCTOR SCHEDULE.
- 3 FURNISH AND INSTALL 10/8 MICRODUCT IN CONDUIT PER CONDUCTOR SCHEDULE.
- 4 FURNISH AND INSTALL 6 STRAND SMFO DROP CABLE IN MICRODUCT PER CONDUCTOR SCHEDULE.
- 18 FURNISH AND INSTALL NEW #6 PULL BOX.
- 30 COIL 25 FEET (7.62 METERS) OF SMFO CABLE IN PULL BOX FOR SLACK FOR FUTURE USE.
- 31 FURNISH AND INSTALL SPLICE CLOSURE. FUSION SPLICE TWO (2) STRANDS OF MAINLINE SMFO CABLE TO TWO (2) STRANDS OF MAINLINE CABLE. COIL 15 FEET (4.6 METERS) EACH OF MAINLINE CABLES. SEE FIBER ASSIGNMENT TABLE. (NOT INCLUDED IN PLANS)
- 36 TERMINATE 6 STRAND SMFO ON EXISTING PATCH PANEL.
- 37 FUSION SPLICE TWO (2) STRANDS OF DROP CABLE TO TWO (2) STRANDS OF DROP CABLE. COIL 15FT (4.6U) OF DROP CABLE. SEE FIBER ASSIGNMENT TABLE. (NOT INCLUDED IN PLANS)

| CONDUCTOR SCHEDULE (THIS SHEET ONLY) | | | | |
|--------------------------------------|-------------------------|-----|----|------|
| CONDUCTOR TYPE | FUNCTION | RUN | | |
| | | A | B | C |
| 24 STRAND SMFO IN 12/10 MICRODUCT | ETHERNET MAINLINE CABLE | 1 | 2 | — |
| 6 STRAND SMFO IN 10/8 MICRODUCT | | — | — | 1 |
| CONDUIT SIZE | | 2" | 2" | 2-3" |
| CONDUIT TYPE | | E | E | E |

ALL CONDUITS AND CONDUCTORS ARE NEW UNLESS OTHERWISE SPECIFIED (E)
(E) DENOTES EXISTING


PREPARED UNDER THE SUPERVISION OF


SCOTT E. CARLSON
REGISTERED CIVIL ENGINEER



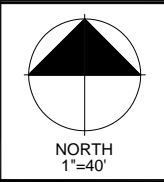
NOVEMBER 17, 2008
PLANS APPROVAL DATE

| NUMBER | DATE | REVISIONS | APPROVED | REFERENCES |
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| APPROVALS | |
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| APPROVED BY: | DATE: |
| CITY ENGINEER: MARK B. LEWIS, RCE 49335 EXP. 09-30-10 | |
| DESIGNED BY: PMF | |
| CHECKED BY: SEC | |
| DRAWN BY: SCH | |

| BENCHMARK |
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| AS-BUILT DATA |
| COMPLETION DATE: |
| CONTRACTOR'S NAME: |



CITY OF FOUNTAIN VALLEY, CALIFORNIA

COMMUNICATION PLAN FOR
MILE SQUARE PARK
FIBER OPTIC LAYOUT

CITY PROJECT NUMBER
(TI 153)

SHEET
21A OF 39

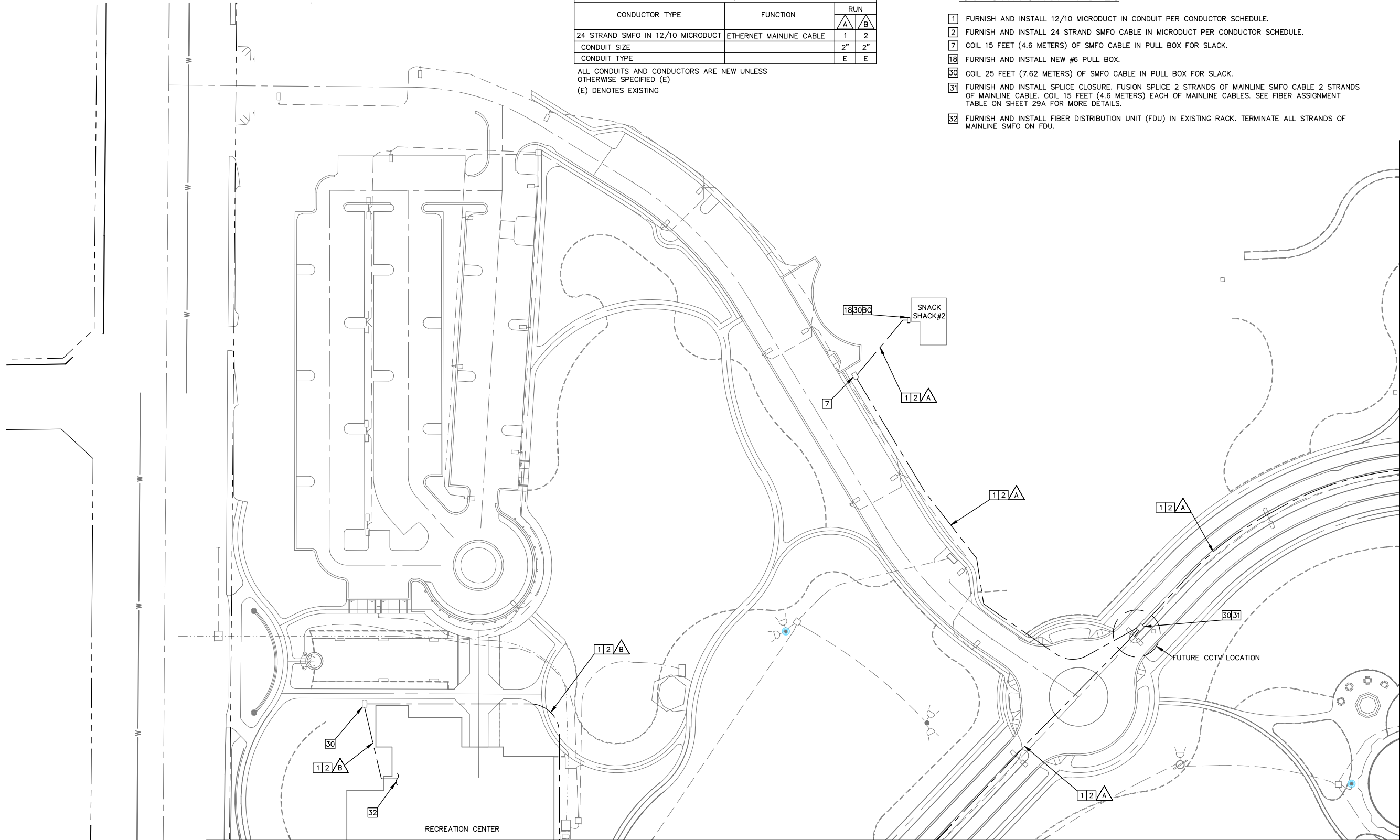
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| CONDUCTOR SCHEDULE (THIS SHEET ONLY) | | | |
|--------------------------------------|-------------------------|-----|----|
| CONDUCTOR TYPE | FUNCTION | RUN | |
| | | A | B |
| 24 STRAND SMFO IN 12/10 MICRODUCT | ETHERNET MAINLINE CABLE | 1 | 2 |
| CONDUIT SIZE | | 2" | 2" |
| CONDUIT TYPE | | E | E |

ALL CONDUITS AND CONDUCTORS ARE NEW UNLESS OTHERWISE SPECIFIED (E)
(E) DENOTES EXISTING

CONSTRUCTION NOTES

- 1
- FURNISH AND INSTALL 12/10 MICRODUCT IN CONDUIT PER CONDUCTOR SCHEDULE.
- 2
- FURNISH AND INSTALL 24 STRAND SMFO CABLE IN MICRODUCT PER CONDUCTOR SCHEDULE.
- 7
- COIL 15 FEET (4.6 METERS) OF SMFO CABLE IN PULL BOX FOR SLACK.
- 18
- FURNISH AND INSTALL NEW #6 PULL BOX.
- 30
- COIL 25 FEET (7.62 METERS) OF SMFO CABLE IN PULL BOX FOR SLACK.
- 31
- FURNISH AND INSTALL SPLICE CLOSURE. FUSION SPLICE 2 STRANDS OF MAINLINE SMFO CABLE 2 STRANDS OF MAINLINE CABLE. COIL 15 FEET (4.6 METERS) EACH OF MAINLINE CABLES. SEE FIBER ASSIGNMENT TABLE ON SHEET 29A FOR MORE DETAILS.
- 32
- FURNISH AND INSTALL FIBER DISTRIBUTION UNIT (FDU) IN EXISTING RACK. TERMINATE ALL STRANDS OF MAINLINE SMFO ON FDU.



PREPARED UNDER THE SUPERVISION OF

Scott E. Carlson
SCOTT E. CARLSON
REGISTERED CIVIL ENGINEER

NOVEMBER 17, 2008
PLANS APPROVAL DATE

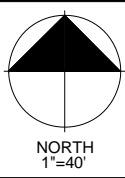


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| CHECKED BY: SEC | |
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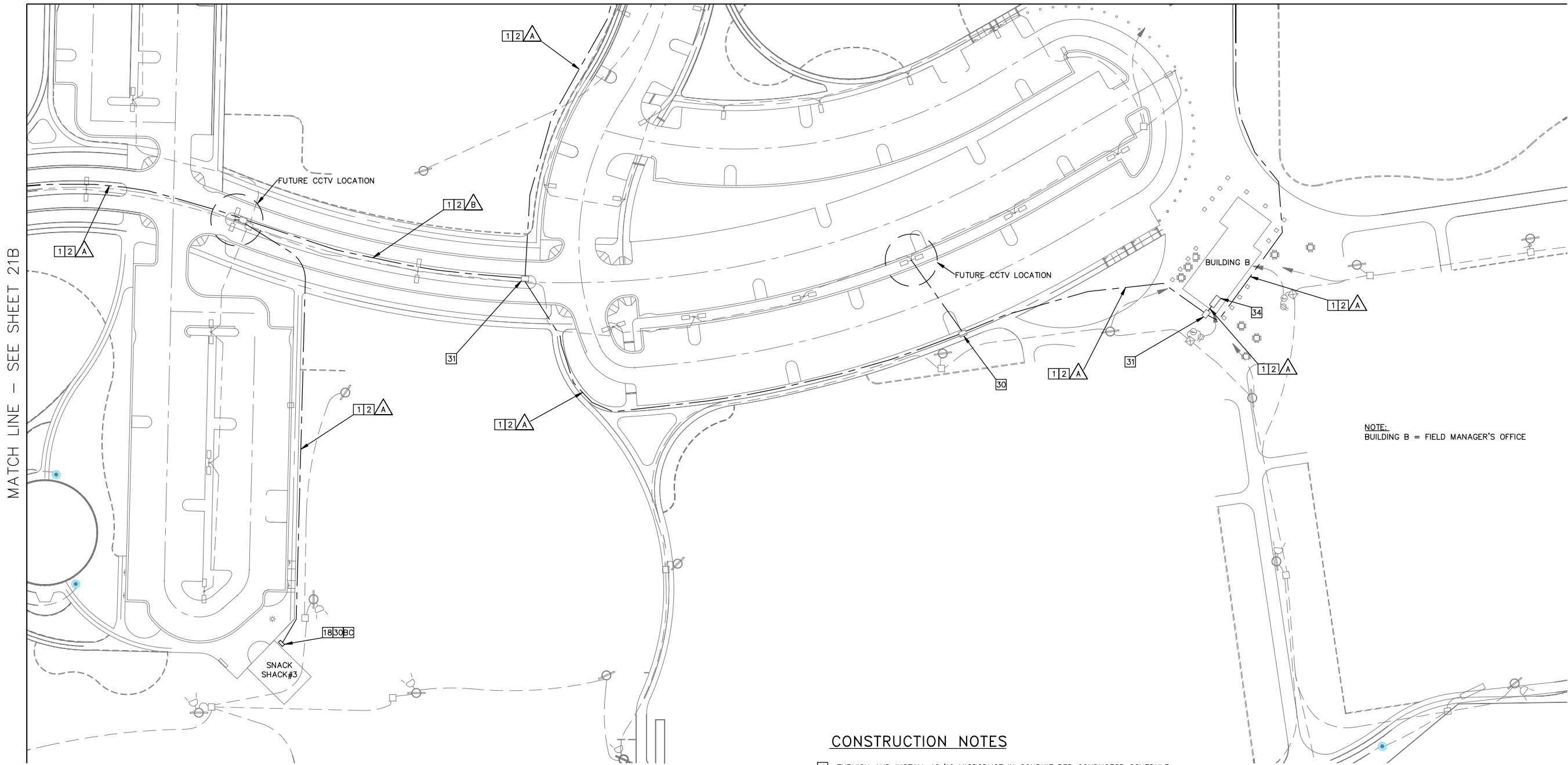
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| CITY OF FOUNTAIN VALLEY, CALIFORNIA | |
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| COMMUNICATION PLAN FOR MILE SQUARE PARK FIBER OPTIC LAYOUT | |

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| CITY PROJECT NUMBER (TI 153) |
| SHEET 21B OF 39 |
| CAD FILE: |

MATCH LINE — SEE SHEET 21D



NOTE:
BUILDING B = FIELD MANAGER'S OFFICE

CONSTRUCTION NOTES

- 1 FURNISH AND INSTALL 12/10 MICRODUCT IN CONDUIT PER CONDUCTOR SCHEDULE.
- 2 FURNISH AND INSTALL 24 STRAND SMFO CABLE IN MICRODUCT PER CONDUCTOR SCHEDULE.
- 18 FURNISH AND INSTALL NEW #6 PULL BOX.
- 30 COIL 25 FEET (7.62 METERS) OF SMFO CABLE IN PULL BOX FOR SLACK FOR FUTURE USE.
- 31 FURNISH AND INSTALL SPLICE CLOSURE. FUSION SPLICE 2 STRANDS OF MAINLINE SMFO CABLE TO 2 STRANDS OF MAINLINE CABLE. COIL 15 FEET (4.6 METERS) EACH OF MAINLINE CABLES. SEE FIBER ASSIGNMENT TABLE ON SHEET 29A FOR MORE DETAILS.
- 34 FURNISH AND INSTALL FIBER DISTRIBUTION UNIT (FDU) IN NEW WALL MOUNTED EQUIPMENT RACK. TERMINATE 24 SMFO ON FDU.

| CONDUCTOR SCHEDULE (THIS SHEET ONLY) | | | |
|--------------------------------------|-------------------------|-----|----|
| CONDUCTOR TYPE | FUNCTION | RUN | |
| | | A | B |
| 24 STRAND SMFO IN 12/10 MICRODUCT | ETHERNET MAINLINE CABLE | 1 | 2 |
| CONDUIT SIZE | | 2" | 2" |
| CONDUIT TYPE | | E | E |

ALL CONDUITS AND CONDUCTORS ARE NEW UNLESS OTHERWISE SPECIFIED (E)
(E) DENOTES EXISTING

PREPARED UNDER THE SUPERVISION OF

SCOTT E. CARLSON
REGISTERED CIVIL ENGINEER

NOVEMBER 17, 2008
PLANS APPROVAL DATE

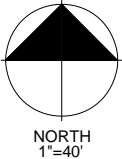


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| CITY ENGINEER: MARK B. LEWIS, RCE 49335 EXP. 09-30-10 | |
| DESIGNED BY: PMF | |
| CHECKED BY: SEC | |
| DRAWN BY: SCH | |

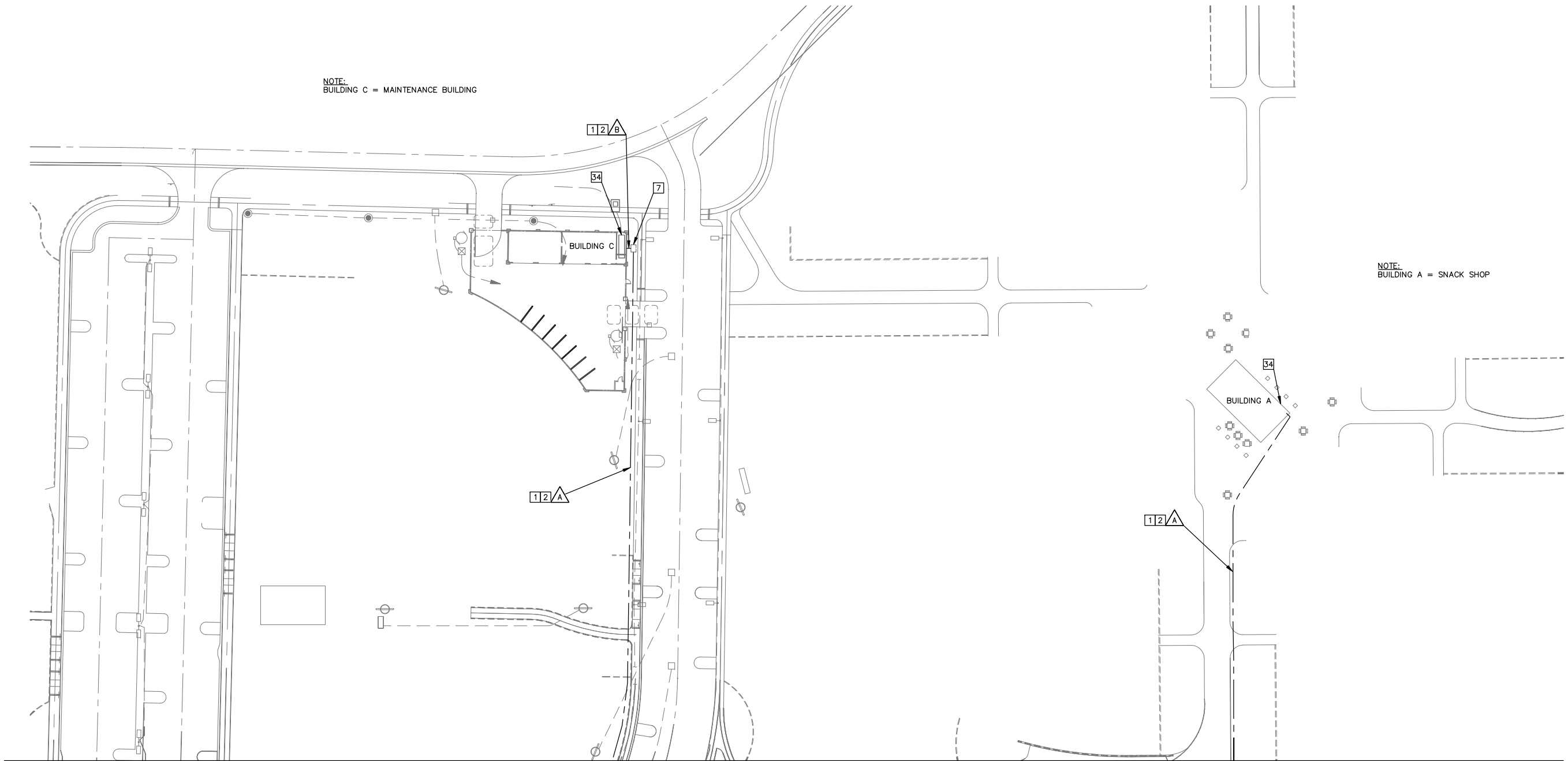
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CITY OF FOUNTAIN VALLEY, CALIFORNIA

COMMUNICATION PLAN FOR
MILE SQUARE PARK
FIBER OPTIC LAYOUT

| |
|------------------------------------|
| CITY PROJECT NUMBER (T1 153) |
| SHEET 21C OF 39 |
| CAD FILE: |



NOTE:
BUILDING C = MAINTENANCE BUILDING

NOTE:
BUILDING A = SNACK SHOP

MATCH LINE – SEE SHEET 21C

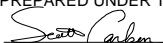
CONSTRUCTION NOTES


- 1 FURNISH AND INSTALL 12/10 MICRODUCT IN CONDUIT PER CONDUCTOR SCHEDULE.
2 FURNISH AND INSTALL 24 STRAND SMFO CABLE IN MICRODUCT PER CONDUCTOR SCHEDULE.
7 COIL 15 FEET (4.6 METERS) OF SMFO CABLE IN PULL BOX FOR SLACK.
34 FURNISH AND INSTALL FIBER DISTRIBUTION UNIT (FDU) IN NEW WALL MOUNTED EQUIPMENT RACK. TERMINATE 24 SMFO ON FDU.

| CONDUCTOR SCHEDULE (THIS SHEET ONLY) | | |
|--------------------------------------|-------------------------|-----|
| CONDUCTOR TYPE | FUNCTION | RUN |
| 24 STRAND SMFO IN 12/10 MICRODUCT | ETHERNET MAINLINE CABLE | 1 |
| CONDUIT SIZE | | 2" |
| CONDUIT TYPE | | E |

ALL CONDUITS AND CONDUCTORS ARE NEW UNLESS OTHERWISE SPECIFIED (E)
(E) DENOTES EXISTING

PREPARED UNDER THE SUPERVISION OF


SCOTT E. CARLSON
REGISTERED CIVIL ENGINEER



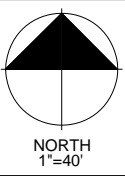
NOVEMBER 17, 2008
PLANS APPROVAL DATE

| NUMBER | DATE | REVISIONS | APPROVED | REFERENCES |
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| DESIGNED BY: PMF | |
| CHECKED BY: SEC | |
| DRAWN BY: SCH | |

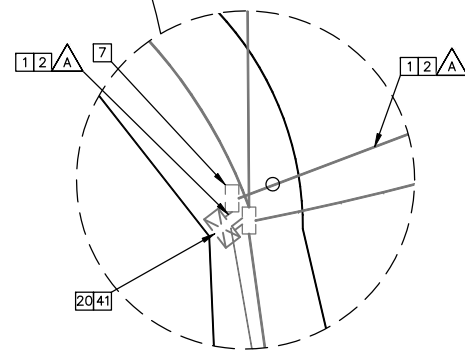
| BENCHMARK | |
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| AS-BUILT DATA | |
| COMPLETION DATE: | |
| CONTRACTOR'S NAME: | |



CITY OF FOUNTAIN VALLEY, CALIFORNIA

COMMUNICATION PLAN FOR
MILE SQUARE PARK
FIBER OPTIC LAYOUT

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|------------------------------------|
| CITY PROJECT NUMBER (TI 153) |
| SHEET 21D OF 39 |
| CAD FILE: |



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|------------------------------------|----|----|
| CITY PROJECT NUMBER (TI 153) | | |
| SHEET | | |
| 21E | OF | 39 |
| AD FILE: | | |