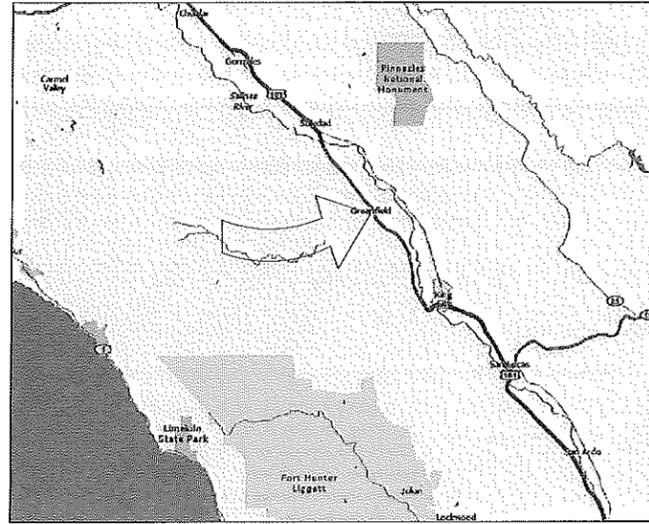


CITY OF GREENFIELD

2016 STREET REHABILITATION PROJECT

MONTEREY COUNTY, CALIFORNIA

April, 2016



LOCATION MAP

GENERAL NOTES

1. ALL WORK AND MATERIALS SHALL BE IN CONFORMANCE WITH THE FOLLOWING:
 - A. PROJECT PLANS AND SPECIFICATIONS
 - B. STANDARD SPECIFICATIONS AND STANDARD DETAILS, LATEST EDITION, OF THE CITY OF SALINAS.
 - C. CITY MODIFIED STANDARD SPECIFICATIONS AND STANDARD DETAILS, AND DOMESTIC WATER SPECIFICATIONS, LATEST EDITION.
 - D. GREENBOOK STANDARD SPECIFICATIONS AND STANDARD PLANS, LATEST EDITION, EXCEPT THAT ENGLISH UNITS OF MEASURE SHALL APPLY.
 - E. STANDARDS OF THE FEDERAL DEPARTMENT OF LABOR, OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION, AND STATE OF CALIFORNIA, DIVISION OF OCCUPATIONAL SAFETY AND HEALTH.
 - F. REQUIREMENTS OF ALL PERMITS APPLICABLE TO THIS PROJECT.

WHERE CONFLICTS EXIST BETWEEN ANY OF THE ABOVE LISTED SPECIFICATIONS AND STANDARDS, THE MOST STRINGENT LISTED SHALL PREVAIL AS THE ENGINEER AND CITY ENGINEER DEEM NECESSARY.

2. CONTRACTOR SHALL SECURE AND COMPLY WITH STATE, COUNTY, AND CITY PERMIT REQUIREMENTS. CONTRACTOR SHALL NOTIFY THE CITY TWO (2) WORKING DAYS PRIOR TO THE INTENTION TO COMMENCE WORK. (PUBLIC WORKS DEPARTMENT PHONE 831-674-2635)

CONTRACTOR SHALL PROVIDE EMERGENCY TELEPHONE NUMBERS WITH THE PUBLIC SAFETY (POLICE, FIRE AND EMERGENCY SERVICES) AND KEEP THEM INFORMED REGARDING STREET/ROAD DETOURS, EMERGENCY TELEPHONE NUMBERS FOR PUBLIC WORKS, POLICE, FIRE DEPARTMENTS AND EMERGENCY SERVICES SHALL BE POSTED ON THE JOB SITE.

3. CONTRACTOR SHALL SUPPLY ALL EQUIPMENT, LABOR AND MATERIALS NECESSARY TO PERFORM THE WORK SHOWN ON THIS PLAN. CONTRACTOR SHALL USE ADEQUATE NUMBERS OF SKILLED WORKMEN WHO ARE THOROUGHLY TRAINED AND EXPERIENCED IN THE NECESSARY CRAFTS AND WHO ARE COMPLETELY FAMILIAR WITH THE SPECIFIED REQUIREMENTS AND THE METHOD NEEDED FOR PROPER PERFORMANCE OF THE WORK. NEITHER FINAL PAYMENT NOR FINAL ACCEPTANCE BY THE CITY SHALL RELIEVE CONTRACTOR OF RESPONSIBILITY FOR FAULTY MATERIALS OR WORKMANSHIP.

4. CONTRACTOR SHALL COORDINATE ALL WORK, INCLUDING SUB-CONTRACTORS' WORK, SO AS TO ELIMINATE CONFLICTS AND WORK TOWARDS THE GENERAL GOOD AND COMPLETION OF THE ENTIRE PROJECT.

5. CONTRACTOR SHALL EXERCISE ALL NECESSARY CAUTION TO AVOID DAMAGE TO ANY EXISTING TREES, UTILITIES, AND SURFACE IMPROVEMENTS THAT ARE TO REMAIN IN PLACE, AND SHALL BEAR FULL RESPONSIBILITY FOR ANY DAMAGE THERETO.

6. A REASONABLE EFFORT HAS BEEN MADE TO LOCATE AND DELINEATE ALL KNOWN UNDERGROUND UTILITIES FROM REVIEW OF PROPERLY FILED AND AVAILABLE RECORDS OF UNDERGROUND IMPROVEMENTS. THE CONTRACTOR IS CAUTIONED THAT ONLY EXCAVATION WILL REVEAL THE TYPES, EXTENT, SIZES, LOCATION AND DEPTHS OF SUCH UNDERGROUND UTILITIES. HOWEVER, CONSULTANT CAN ASSUME NO RESPONSIBILITIES FOR THE COMPLETENESS OR ACCURACY OF ITS DELINEATION OF SUCH UNDERGROUND UTILITIES, NOR FOR THE EXISTENCE OF OTHER BURIED OBJECTS OR UTILITIES WHICH ARE NOT SHOWN ON THESE DRAWINGS. THE CONTRACTOR IS HEREBY NOTIFIED THAT, PRIOR TO COMMENCING CONSTRUCTION, HE IS RESPONSIBLE FOR CONTACTING THE UTILITY COMPANIES INVOLVED AND REQUESTING A VISUAL VERIFICATION OF THE LOCATIONS OF THEIR UNDERGROUND FACILITIES.

7. THE UTILITY COMPANIES ARE MEMBERS OF THE UNDERGROUND SERVICE ALERT ONE CALL PROGRAM. THE CONTRACTOR OR ANY SUB-CONTRACTOR FOR THIS CONTRACT SHALL NOTIFY MEMBERS OF THE U.S.A. 48 HOURS IN ADVANCE OF PERFORMING EXCAVATION WORK BY CALLING THE TOLL-FREE NUMBER 800-227-2600. EXCAVATION IS DEFINED AS BEING 18 OR MORE INCHES IN DEPTH BELOW THE EXISTING GROUND.

FOR LOCATION OF UNDERGROUND FACILITIES WITHIN THE RAILROAD RIGHT OF WAY CALL THE TOLL-FREE NUMBER 800-336-9193.

8. THE CONTRACTOR SHALL REMOVE ALL OBSTRUCTIONS, BOTH ABOVE GROUND AND UNDERGROUND, EXCEPT AS NOTED IN ITEM 5 ABOVE, AS NECESSARY FOR THE CONSTRUCTION OF THE PROPOSED IMPROVEMENTS.

9. CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH ANY CURRENTLY APPLICABLE SAFETY LAW OF ANY JURISDICTIONAL BODY. FOR INFORMATION REGARDING THIS PROVISION, THE CONTRACTOR IS DIRECTED TO CONTACT THE STATE OF CALIFORNIA, DIVISION OF OCCUPATIONAL SAFETY AND HEALTH, DISTRICT OFFICE FOR THE PROJECT AREA. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL BARRICADES, SAFETY DEVICES, AND CONTROL OF TRAFFIC WITHIN THE CONSTRUCTION AREA. FOR ALL TRENCH EXCAVATION FIVE (5) FEET OR MORE IN DEPTH, THE CONTRACTOR SHALL OBTAIN A PERMIT FROM THE NEAREST DIVISION OF OCCUPATIONAL SAFETY AND HEALTH, DISTRICT OFFICE, PRIOR TO BEGINNING ANY EXCAVATION. A COPY OF THIS PERMIT SHALL BE AVAILABLE AT THE CONSTRUCTION SITE AT ALL TIMES.

Monterey, Santa Clara, Santa Cruz, San Benito Counties: District Office: San Jose Address: 2010 North First Street, Suite 401 San Jose, CA 95131 Telephone: (408) 452-7288 Fax: (408) 452-7287
 San Francisco Bay Area: District Office: San Francisco Address: 455 Golden Gate Avenue, Room 1524 San Francisco, CA 94102 Telephone: (415) 703-5210 Fax: (415) 703-5231
 CURRENT CAL/OSHA OFFICES ARE LISTED BY CITY OR ZIP CODE AT <http://www.cflr.ca.gov/asp/09shzhp.asp>.

FOR TRENCHES LESS THAN FIVE (5) FEET IN DEPTH, THE CONTRACTOR SHALL ENFORCE CONSTRUCTION SAFETY ORDERS, SECTION 1504 AND 1539 - 1543 AS IF THE TRENCHES WERE FIVE (5) FEET IN DEPTH. THE CONTRACTOR SHALL PROVIDE THE CITY WITH THE NAMES OF ALL QUALIFIED PERSONNEL RESPONSIBLE FOR TRENCH SAFETY.

10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING SURVEY MONUMENTS AND OTHER SURVEY MARKERS DURING CONSTRUCTION. ALL SUCH MONUMENTS OR MARKERS OUTSIDE AREAS OF CONSTRUCTION THAT ARE DESTROYED OR DISTURBED DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR SHALL NOTIFY THE DESIGN ENGINEER AND THE CITY IMMEDIATELY IF ANY MONUMENTS HAVE BEEN AFFECTED.

BEFORE DESTROYING ANY MONUMENTS WITHIN THE AREAS OF CONSTRUCTION, CONTRACTOR SHALL REQUEST OWNER'S ENGINEER TO ACCURATELY LOCATE AND REFERENCE TIE THEM. IF APPLICABLE, CONTRACTOR SHALL REPLACE SUCH MONUMENTS PRIOR TO COMPLETION OF THE PROJECT TO THE SATISFACTION OF THE CITY ENGINEER (PER A.B. 1414, JANUARY 1, 1985).

11. MNS ENGINEERS IS NOT PROVIDING CONSTRUCTION STAKES FOR THIS PROJECT, SAID FIRM WILL ASSUME NO RESPONSIBILITY WHATSOEVER FOR IMPROVEMENT ERRORS CONSTRUCTED THEREFROM.

12. CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL, THE CITY, AND THE CITY'S AGENTS HARMLESS FROM ANY AND ALL LIABILITY, REAL AND ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE DESIGN PROFESSIONAL, OR THE CITY.

13. THE CONSTRUCTION CONTRACTOR SHALL BE RESPONSIBLE FOR TRAFFIC CONTROL. ALL WARNING AND TRAFFIC CONTROL SIGNS, SIGN SIZES, AND LOCATIONS FOR THE SIGNS SHALL BE IN ACCORDANCE WITH CALTRANS REQUIREMENTS. THE CONTRACTOR SHALL PROVIDE A TRAFFIC CONTROL PLAN FOR CITY REVIEW TWO (2) WEEKS PRIOR TO COMMENCING ANY WORK ON PUBLIC STREETS.

14. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS ON THE JOB, AND SHALL NOTIFY THE DESIGN ENGINEER AND CITY ENGINEER OF ANY VARIATION FROM THE DIMENSIONS AND CONDITIONS SHOWN. WRITTEN DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING SHOP DRAWINGS AND ALL MATERIAL SUBMITTALS TO OBTAIN CITY APPROVAL BEFORE PROCEEDING WITH FABRICATION OR ORDERING MATERIALS.

15. ANY DISCREPANCIES OR OMISSIONS FOUND IN THE CONTRACT DOCUMENTS SHALL BE REPORTED TO THE CITY ENGINEER AND THE DESIGN ENGINEER IMMEDIATELY. THE DESIGN ENGINEER WILL CLARIFY DISCREPANCIES OR OMISSIONS, IN WRITING, WITHIN A REASONABLE TIME.

THE CITY ENGINEER WILL MAKE DECISIONS, IN WRITING, ON ALL CLAIMS OR ANY ISSUES ARISING FROM INTERPRETATIONS OR EXECUTION OF THE STANDARD SPECIFICATIONS. SUCH DECISIONS BY THE CITY ENGINEER SHALL BE FINAL.

NO REVISIONS TO THE ACCEPTED IMPROVEMENT PLANS SHALL BE MADE BY THE DESIGN ENGINEER WITHOUT THE PRIOR REVIEW AND APPROVAL BY THE CITY ENGINEER.

NO MODIFICATIONS SHALL BE MADE TO ANY CITY FACILITIES WITHOUT PRIOR WRITTEN APPROVAL BY THE CITY ENGINEER. ALL MODIFICATIONS SHALL BE WITNESSED BY THE CITY INSPECTOR.

17. CONTRACTOR SHALL KEEP ALL PUBLIC STREETS/ROADS CLEAR OF DIRT AND DEBRIS ATTRIBUTABLE TO THE PROJECT CONSTRUCTION ACTIVITIES.

18. CONTRACTOR SHALL PROVIDE LABORATORY REPORTS FROM AN ENGINEERING TESTING LABORATORY CERTIFYING THAT THE VARIOUS MATERIALS COMPLY WITH THE SPECIFICATIONS AT LEAST 10 DAYS PRIOR TO STARTING WORK ON THAT PARTICULAR ITEM OF WORK.

20. CONTRACTOR SHALL POSSESS A VALID CLASS A - GENERAL ENGINEERING CONTRACTOR LICENSE, OR THE FOLLOWING CLASS C - SPECIALTY CONTRACTOR LICENSES, AT THE TIME THAT THE CONTRACT IS AWARDED: CLASS C-32.

2. CONTRACTOR SHALL NOTIFY THE CITY TWO (2) WORKING DAYS BEFORE STARTING PAVEMENT REHABILITATION WORK.

3. SITE CONDITIONS: THE CONTRACTOR SHALL VISIT THE SITE, EXAMINE AND NOTE ALL CONDITIONS AS TO THE CHARACTER AND EXTENT OF WORK INVOLVED.

4. CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS OR CERTIFICATES AS REQUIRED BY THE CITY.

5. IF REQUIRED, THE UPPER LAYER OF SUBGRADE SHALL BE COMPACTED TO 95% RELATIVE COMPACTION, THE EXACT DEPTH SHALL BE DETERMINED BY THE CITY ENGINEER.

6. IF REQUIRED, BACKFILL FOR UNDERGROUND UTILITIES PLACED IN EXISTING STREETS SHALL CONSIST OF CLEAN, IMPORTED SAND MATERIAL (MINIMUM S.E. = 30) AND MEETING THE REQUIREMENTS OF SECTION 19-3.06C(1) FOR THE FULL TRENCH DEPTH TO THE PAVEMENT SUBGRADE, UNLESS SHOWN OTHERWISE ON THE PLAN. BACKFILL WITHIN THE UTILITY TRENCHES SHALL BE COMPACTED TO A MINIMUM RELATIVE COMPACTION OF 95% AND BASED UPON THE ASTM TEST DESIGNATIONS D1557, D1556 AND D2992.

7. AT ALL TIMES DURING CONSTRUCTION AND UNTIL FINAL COMPLETION, THE CONTRACTOR, WHEN HE OR HIS SUBCONTRACTORS ARE OPERATING EQUIPMENT ON THE SITE, SHALL PREVENT THE FORMATION OF AN AIRBORNE DUST NUISANCE BY WATERING AND/OR TREATING THE SITE OF THE WORK IN SUCH A MANNER THAT WILL CONFINE DUST PARTICLES TO THE IMMEDIATE SURFACE OF THE WORK. THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY DAMAGE DONE BY THE DUST FROM HIS OR HER SUBCONTRACTOR'S ACTIVITIES IN PERFORMING THE WORK UNDER THIS CONTRACT. THE PRICES FOR THE VARIOUS ITEMS OF WORK SHALL COVER THIS DUST CONTROL.

8. IF REQUIRED, ALL AGGREGATE BASE MATERIAL, AND THE HANDLING AND PLACEMENT THEREOF, SHALL BE IN CONFORMANCE WITH CALTRANS STANDARD SPECIFICATIONS. AGGREGATE BASE SHALL BE CLASS 2. COMPACT TO A MINIMUM OF 95% RELATIVE COMPACTION.

9. IF REQUIRED, A PRIME COAT OF LIQUID ASPHALT, GRADE MC-70, CONFORMING TO CALTRANS STANDARD SPECIFICATIONS, MAY BE APPLIED AT THE APPROXIMATE TOTAL RATE OF 0.25+ GALLONS PER SQUARE YARD TO THE SURFACE OF AGGREGATE BASE PRIOR TO PLACEMENT OF ASPHALT CONCRETE, IF THERE IS TO BE DELAY IN PLACING THE ASPHALT CONCRETE PAVEMENT. THE EXACT RATE AND NUMBER OF APPLICATIONS WILL BE DETERMINED BY THE ENGINEER.

10. IF REQUIRED, ASPHALT CONCRETE (AC) SHALL CONSIST OF A MIXTURE OF SAND, MINERAL AGGREGATE, AND LIQUID ASPHALT, DESIGNATED AS GREENBOOK STANDARD SPECIFICATIONS, TYPE "B", 1/2" MAXIMUM, MEDIUM GRADING. MIXED IN SUCH PROPORTIONS THAT THE PERCENTAGE BY WEIGHT WILL BE WITHIN:

ACTUAL MIX DESIGN SHALL BE SUBMITTED TO THE CITY ENGINEER FOR APPROVAL AT LEAST 10 WORKING DAYS PRIOR TO STARTING ANY PAVING WORK.

11. IF REQUIRED, PAINT BINDER OF ASPHALT EMULSION, GRADE CRS-1, CONFORMING TO CALTRANS STANDARD SPECIFICATIONS, SHALL BE APPLIED TO EXISTING ASPHALT CONCRETE SURFACES AND VERTICAL CONCRETE SURFACES TO RECEIVE ASPHALT CONCRETE.

15. APPROVAL OF THE CITY ENGINEER OR HIS AUTHORIZED REPRESENTATIVE, IS REQUIRED ON COMPLETED PREPARATION WORK PRIOR TO: (A) PLACING OF ANY REJUVENATING SEAL, (B) PLACING OF *OTHER SEAL COAT* WORK DONE WITHOUT SUCH APPROVAL SHALL BE AT THE CONTRACTOR'S RISK. SUCH APPROVAL SHALL NOT RELIEVE THE CONTRACTOR FROM THE RESPONSIBILITY OF PERFORMING THE WORK IN AN ACCEPTABLE MANNER.

16. PRIOR TO PERFORMING THE FINAL SEALING AND SURFACING OPERATIONS, THE CONTRACTOR SHALL REVIEW THE PROPOSED FINISHED GRADES WITH THE CITY ENGINEER AND COMPLY WITH HIS REQUESTS FOR ANY MINOR GRADE CHANGES.

17. ALL PAVEMENT MARKINGS, LEGENDS AND TRAFFIC STRIPING SHALL BE THERMOPLASTIC AND SHALL CONFORM TO CITY OF SALINAS STANDARD DETAILS.

18. PAVEMENT MARKERS SHALL CONFORM TO CITY OF SALINAS STANDARD DETAILS.

19. PAVEMENT CRACKS SHALL BE CLEANED AND HOT LANCED OR TORCHED TO REMOVE ALL ORGANIC MATERIAL, PRIOR TO APPLYING THE SEAL GUTTER TO PAVEMENT JOINTS SMALL SHALL BE INCLUDED IN HOT LANCING PROCESS.

20. PRIOR TO PLACEMENT OF ANY REJUVENATING SEAL *OR OTHER SEAL* PAVEMENT SURFACES SHALL BE CLEANED OF STRIPING REMOVAL DEBRIS AND OIL AND GREASE SPOTS ALONG THE PARKING LANES.

WHERE CONFLICTS EXIST BETWEEN ANY OF THE ABOVE LISTED SPECIFICATIONS AND STANDARDS, THE MOST STRINGENT LISTED SHALL PREVAIL AS THE PUBLIC WORKS DIRECTOR AND CITY ENGINEER DEEM NECESSARY.

GENERAL NOTICE
 1. THE AREAS DELINEATED ON THIS PLAN SET ARE APPROXIMATE AND DERIVED FROM THE AERIAL PHOTO BACKGROUND. ACTUAL PAY QUANTITIES WILL BE DETERMINED FROM FIELD MEASUREMENTS PERFORMED BY THE INSPECTOR.

GRADING AND PAVING NOTES

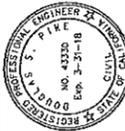
1. ALL WORK SHALL BE IN CONFORMANCE WITH THE FOLLOWING:
 - A. STANDARD SPECIFICATIONS AND STANDARD DETAILS, LATEST EDITION OF THE CITY OF GREENFIELD.
 - B. APPLICABLE SECTIONS OF THE GREENBOOK STANDARD SPECIFICATIONS, LATEST EDITION, EXCEPT THAT ENGLISH UNITS OF MEASURE SHALL APPLY.
 - C. APPLICABLE SWPPP, NOI, AND NPDES REQUIREMENTS FOR THE PROJECT.

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S7	El Camino Real
S8	El Camino Real
S9	Elm Ave
S10	Elm SpDv
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S55	Tuscany SpDv
S56	Walnut SpDv

SUPPLEMENTAL EXHIBITS

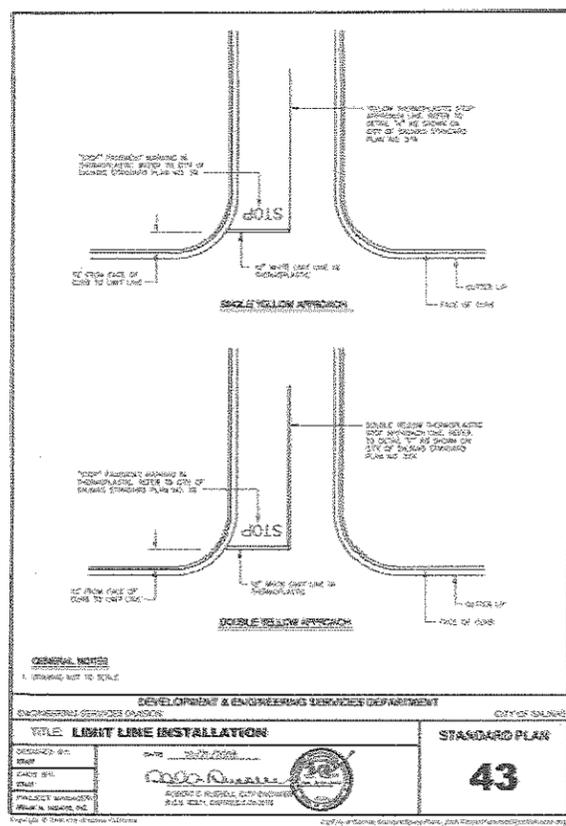
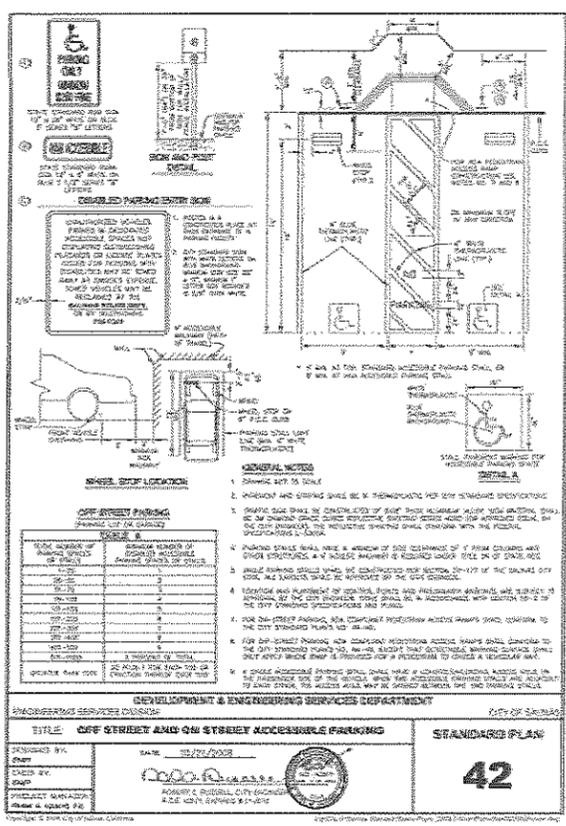
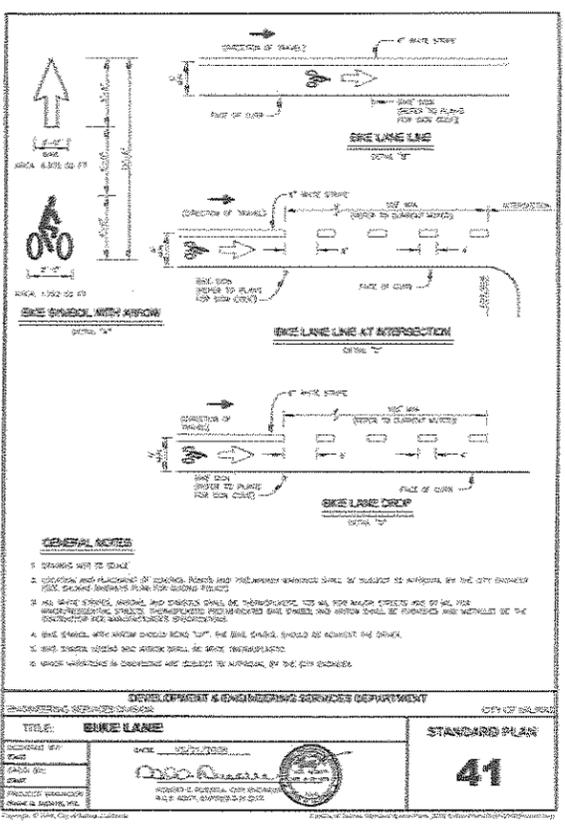
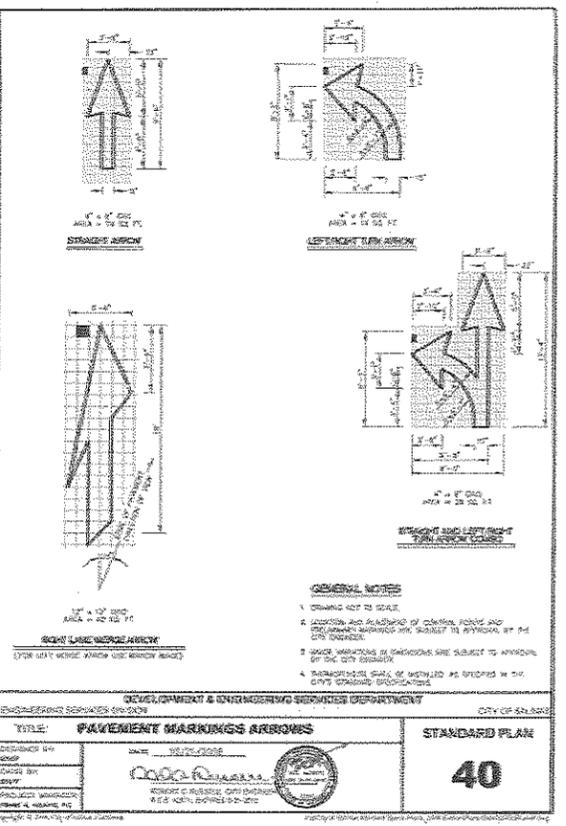
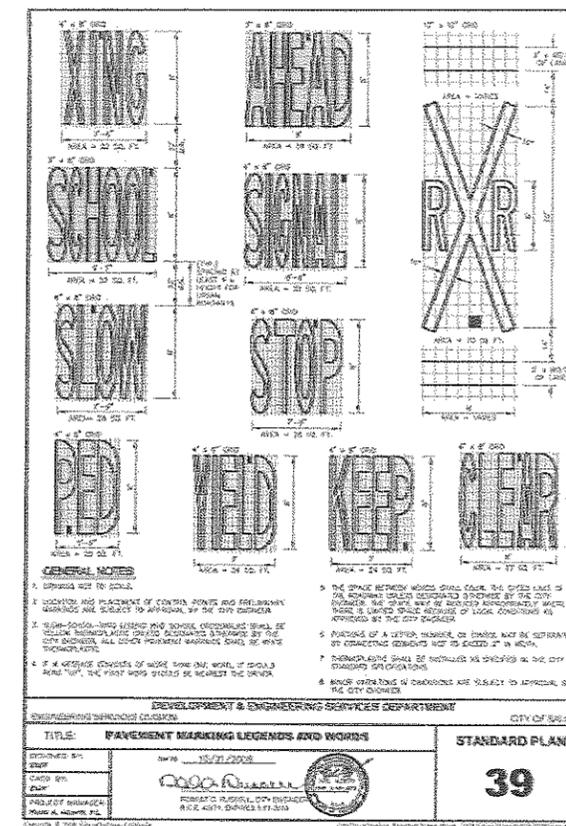
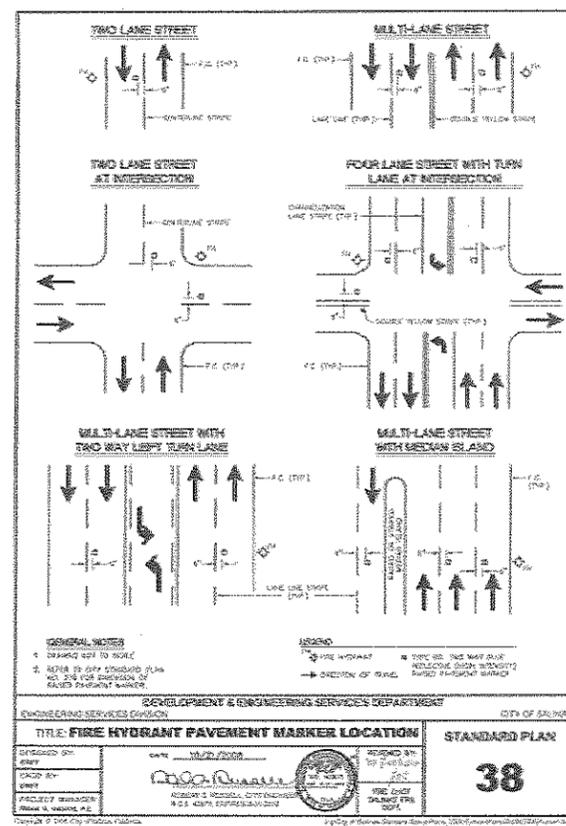
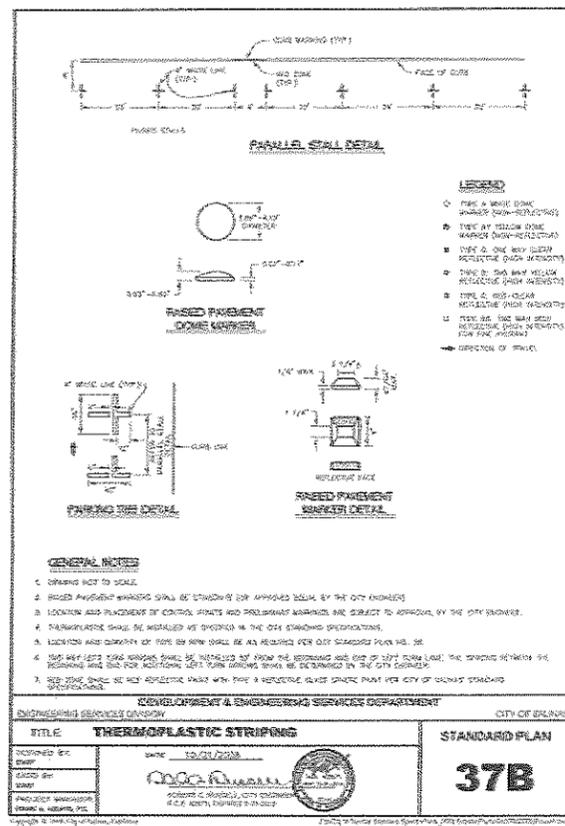
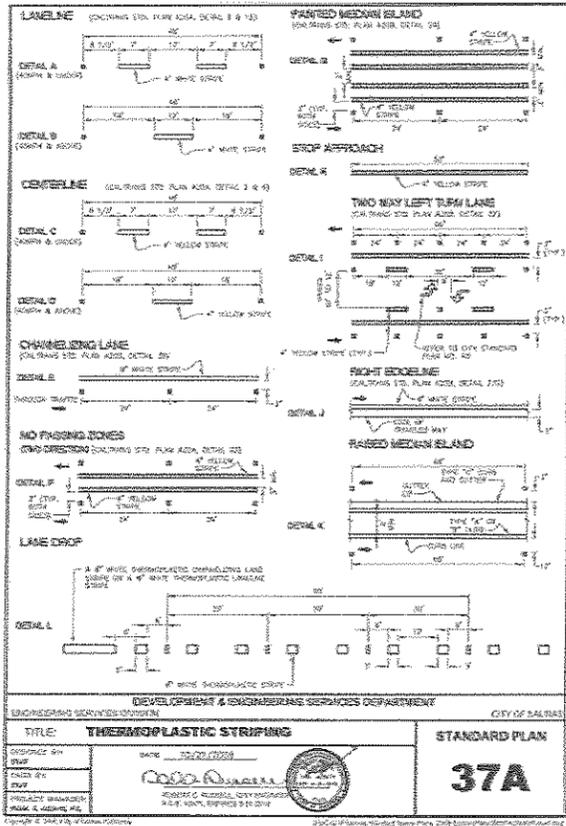
ENGINEERING SURVEYING CONSTRUCTION MANAGEMENT



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 SCALE: 1" = 40'
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 APPROVED BY: DSP
 DRAWING NO: _____
 Douglas S. Pile
 P.C.E. 43320, EXP. 03-31-18

DATE: 03-31-2016
 SCALE: 1" = 40'
 DRAWN BY: KAT
 APPROVED BY: DSP
 DRAWING NO: _____

CITY OF GREENFIELD
2016 STREET REHABILITATION PROJECT
COVER SHEET, NOTES, SHEET INDEX



ENGINEERING SURVEYING CONSTRUCTION MANAGEMENT

MNS ENGINEERS IN C
201 Industrial Way, Salina, KS 67401
Phone: 785-825-6900

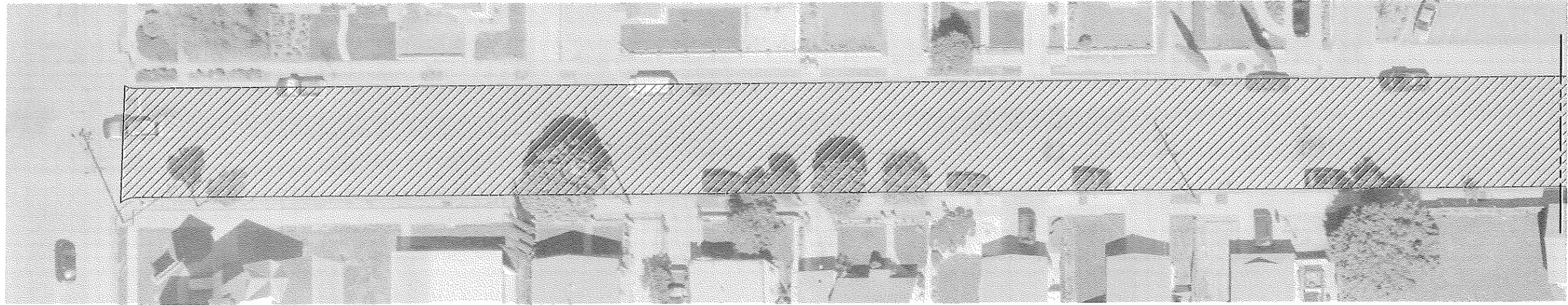
PROFESSIONAL ENGINEER IN THE STATE OF KANSAS
NO. 43329 Exp. 3-31-18

DATE: 03-31-2016
SCALE: 1"=60'
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APPROVED BY: DSP
DRAWING NO.

CITY OF GREENFIELD 2016 STREET REHABILITATION PROJECT
DETAILS

SHEET **D1**
3 OF 59

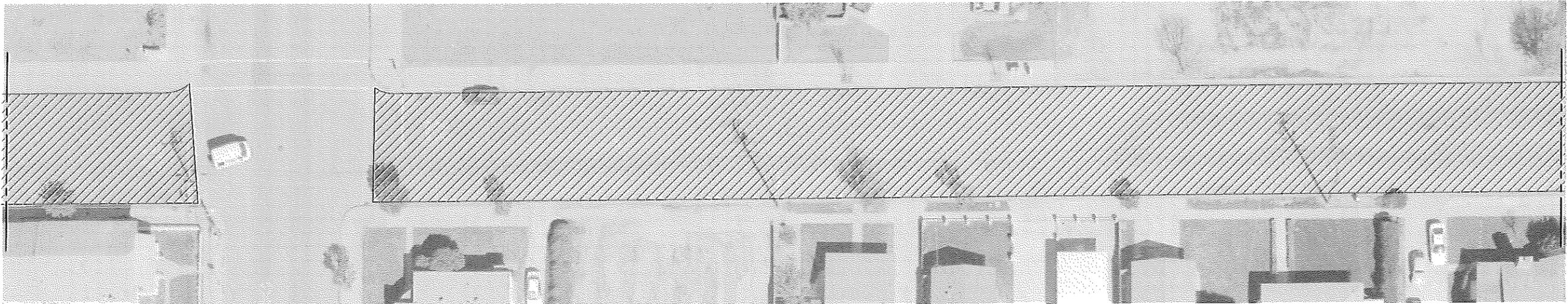
PALM AVENUE



MATCH LINE A

PALM AVENUE

OAK AVENUE



MATCH LINE A

MATCH LINE B

OAK AVENUE

MAPLE AVENUE

9TH STREET

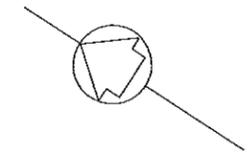


MATCH LINE B

MAPLE AVENUE

CONSTRUCTION NOTES:

- 1) CONTRACTOR SHALL CREATE A STRIPING AND MARKING INVENTORY MAP OF ALL STREETS IN THE PROJECT SCOPE. INVENTORY MAP SHALL BE SUBMITTED TO THE CITY ENGINEER FOR APPROVAL PRIOR TO COMMENCING WORK.
- 2) CONTRACTOR SHALL REMOVE ALL EXISTING STRIPING AND MARKING PRIOR TO PLACING ANY SEAL. REMOVALS SHALL BE PERFORMED BY *APPROVED* METHOD USING EQUIPMENT EQUIPPED WITH VACUUM SYSTEM FOR DEBRIS AND DUST CONTROL.
- 3) CONTRACTOR SHALL PROVIDE TEMPORARY TRAFFIC STRIPING AND MARKINGS AS NECESSARY.
- 4) CONTRACTOR SHALL REPLACE STRIPING AND MARKING IN KIND UNLESS OTHERWISE DIRECTED BY THE CITY ENGINEER.
- 5) CONTRACTOR SHALL PROTECT ALL UTILITIES DURING CONSTRUCTION AND EXPOSE ALL UTILITIES AFTER SLURRY PLACEMENT.
- 6) CONTRACTOR IS RESPONSIBLE FOR NO PARKING NOTIFICATIONS AND PROVIDING ACCESS TO BUSINESS AT ALL TIMES.



9th STREET
STREET TOTALS:



PAVEMENT:
5,712 SY

ENGINEERING
SURVEYING
CONSTRUCTION MANAGEMENT

MINS
ENGINEERS IN C
Professional Seal No. 931427
855.686.5200 Phone



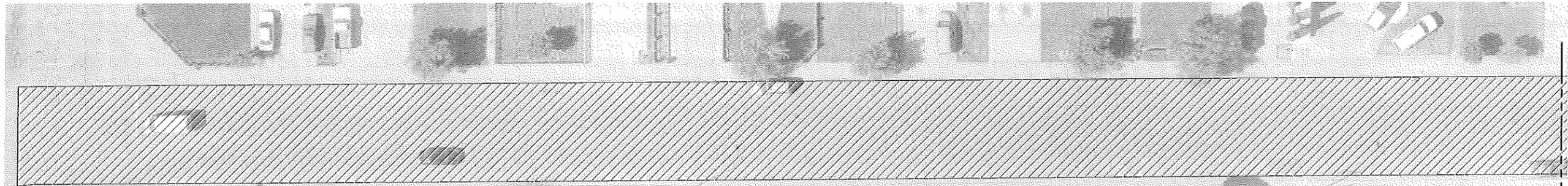
DATE: _____
SCALE: 1" = 40'
DRAWN BY: KMT
APPROVED BY: DSP
DRAWING NO: _____
Dwight S. Pinc
R.C.C. #43330, EXP. 03-31-18

CITY OF GREENFIELD
2016 STREET REHABILITATION PROJECT
9th Street

SHEET
S1
4 OF 59

NO. 23 APR 15 11:15 AM P:\CERTE Greenfield\CERT_201615_0003 - Street Seal - 9th Street\Drawings\9th Street\9th Street_2016.dwg

12th STREET

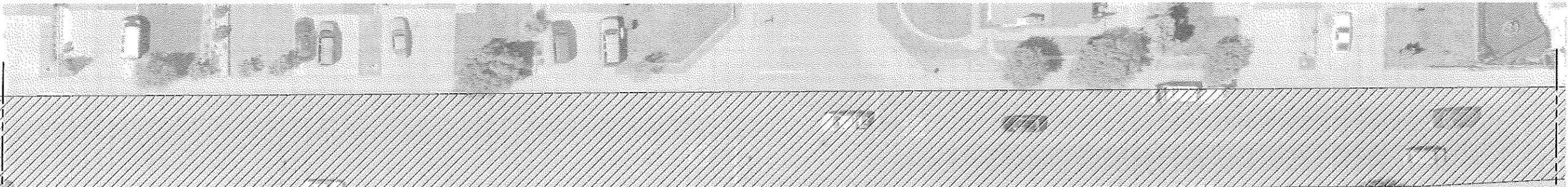


MATCH LINE A

12th STREET

PASQUE AVENUE

HUTCHINSON DRIVE



MATCH LINE A

MATCH LINE B

HUTCHINSON DRIVE

APPLE AVENUE

LARSON LANE



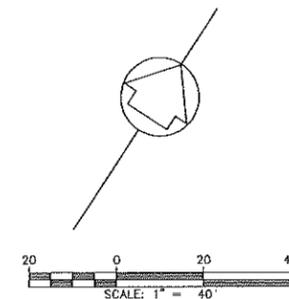
MATCH LINE B

SEE NEXT SHEET

LARSON LANE

CONSTRUCTION NOTES:

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- 4) CONTRACTOR SHALL REPLACE STRIPING AND MARKING IN KIND UNLESS OTHERWISE DIRECTED BY THE CITY ENGINEER.
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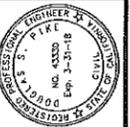


APPLE AVENUE STREET TOTALS:
 12th - LARSEN - 4869sf
 LARSEN - 10TH - 3153sf
 10th - ECR - 1940sf



ENGINEERING
SURVEYING
CONSTRUCTION MANAGEMENT

MNS
ENGINEERS IN C
201 Industrial Way
Rye, NH 03077
603.885.5200 Phone



DATE: 03-31-2016
SCALE: 1" = 40'
DRAWN BY: KMY
APPROVED BY: DSP
DRAWING No: _____
Douglas S. Pike
P.E. 43330, Exp. 03-31-18

CITY OF GREENFIELD
2016 STREET REHABILITATION PROJECT
Apple Avenue

SHEET
S2

SEE PREVIOUS SHEET

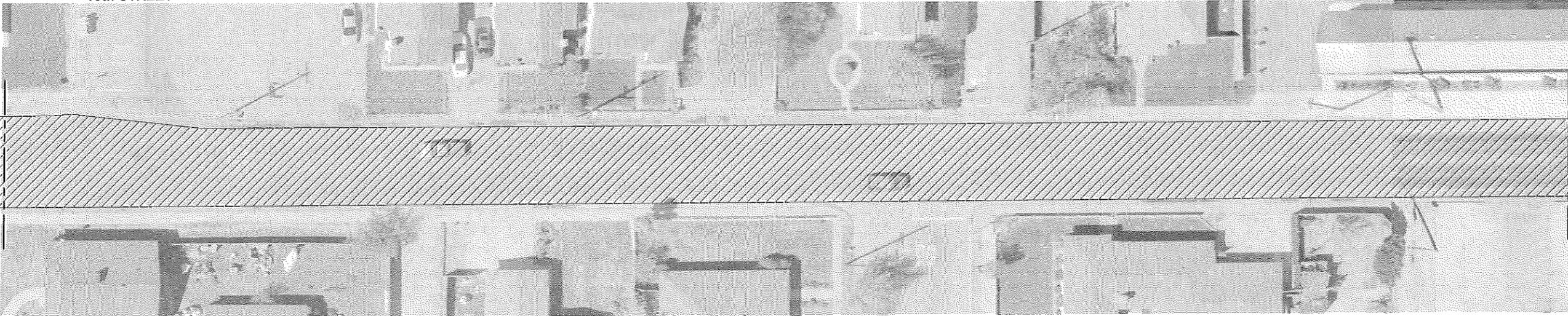


MATCH LINE C

11th STREET

10th STREET

10th STREET



MATCH LINE C

MATCH LINE D

9th STREET

APPLE AVENUE

EL CAMINO REAL



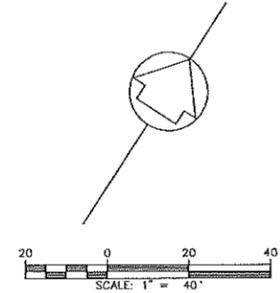
MATCH LINE D

SEE NEXT SHEET

EL CAMINO REAL

CONSTRUCTION NOTES:

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ENGINEERING
SURVEYING
CONSTRUCTION MANAGEMENT

MNS
INC IN E E R S IN C
10000
Burlington, MA 01470
802.666.5200 Phone



DATE: 03-31-2016
SCALE: 1"=40'
DRAWN BY: KMT
APPROVED BY: DSP
DRAWING NO.:
Douglas S. Piro
R.C.E. 43330, EXP. 03-31-18

CITY OF GREENFIELD
2016 STREET REHABILITATION PROJECT
Apple Avenue

SHEET
S3
6 OF 59

EL CAMINO REAL

8th STREET



SEE PREVIOUS SHEET

MATCH LINE

EL CAMINO REAL

8th STREET

7th STREET

CALAVERAS WAY



MATCH LINE E

MATCH LINE F

7th STREET

6th STREET

APPLE AVENUE

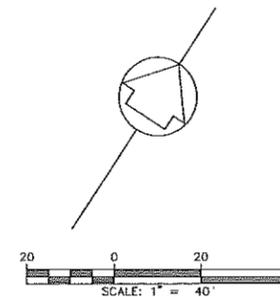
CALAVERAS WAY



MATCH LINE F

5th STREET

HIGHWAY 101



APPLE AVENUE STREET TOTALS:
(ECR to Hwy. 101)



ECA - TRANSITION
3084 SY
TRANS. TO ALLEY
2595 SY

ENGINEERING SURVEYING CONSTRUCTION MANAGEMENT
MNS
ENGINEERS INC
201 Industrial Way, #427
Burlingame, CA 94010
Phone: 650-586-6200



DATE: 03-31-2016
SCALE: 1"=40'
DRAWN BY: KMT
APPROVED BY: DSP
DRAWING NO.
Douglas S. Pike
R.C.E. 43330, Exp. 03-31-18

CITY OF GREENFIELD
2016 STREET REHABILITATION PROJECT
Apple Avenue

SHEET
S4
7 OF 59

11/13/2015 11:03:27 AM P:\CDE\Drawings\2016\2016_Street_Rehab\Drawings\2016\Project\2016_2017\2016_Apple_Avenue.dwg

WALNUT AVENUE

WALNUT AVENUE

APPLE AVENUE

APPLE AVENUE

MATCH LINE A

MATCH LINE B

MATCH LINE A

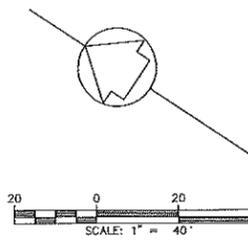
MATCH LINE B

SEE NEXT SHEET

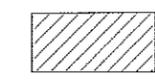
EL CAMINO REAL

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EL CAMINO REAL STREET TOTALS:
(Walnut Ave. to Apple Ave.)

 WALNUT - APPLE
11,105 SY

ENGINEERING SURVEYING CONSTRUCTION MANAGEMENT

MINS
ENGINEERS INC
10000 S. MOUNTAIN VIEW
SUITE 100
DANA POINT, CA 92627
TEL: 949.441.8277
FAX: 949.441.8278

DATE: 03-31-2016
SCALE: 1" = 40'
DRAWN BY: KMT
APPROVED BY: DSP
DRAWING NO:

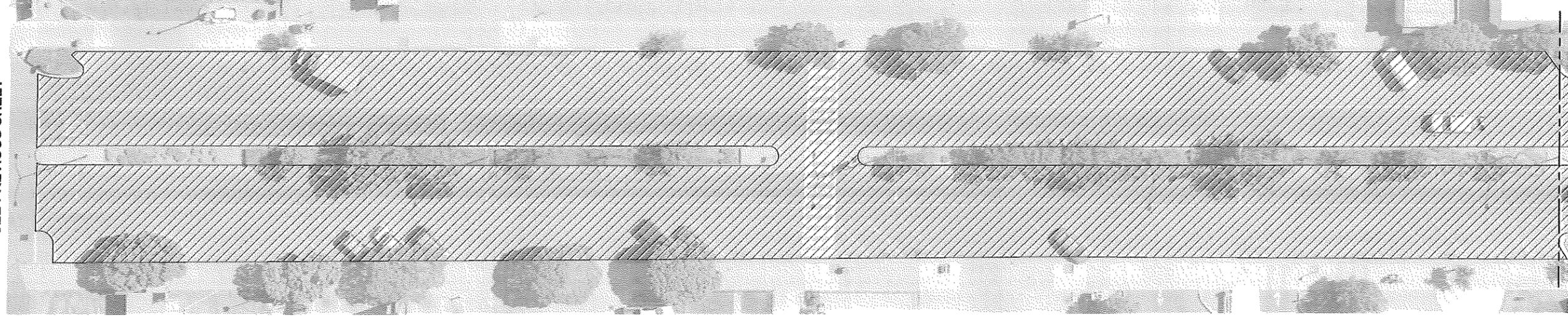
DAUGHS S. PHD
R.C.E. 43330 EXP. 03-31-18

CITY OF GREENFIELD
2016 STREET REHABILITATION PROJECT
El Camino Real

SHEET
S6
9 OF 59

APPLE AVENUE

SEE PREVIOUS SHEET

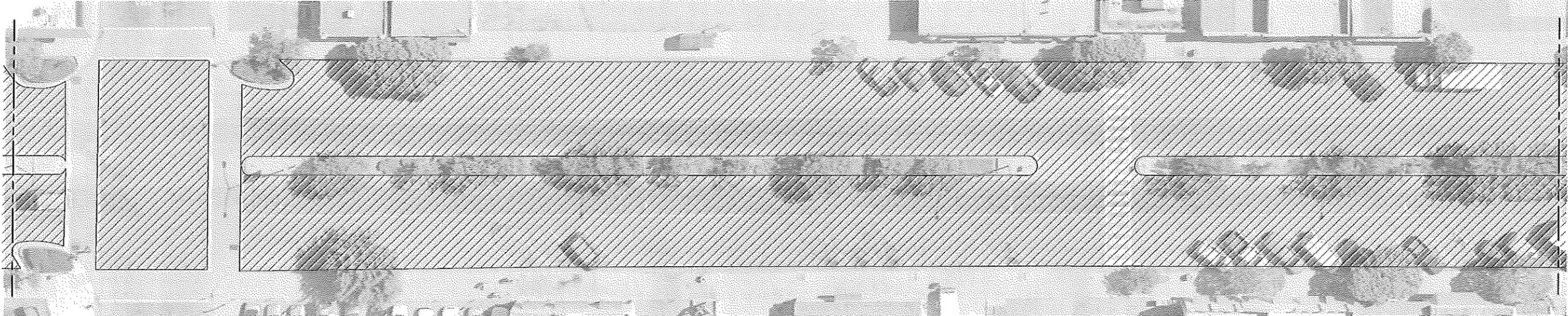


MATCH LINE C

APPLE AVENUE

PALM AVENUE

MATCH LINE C

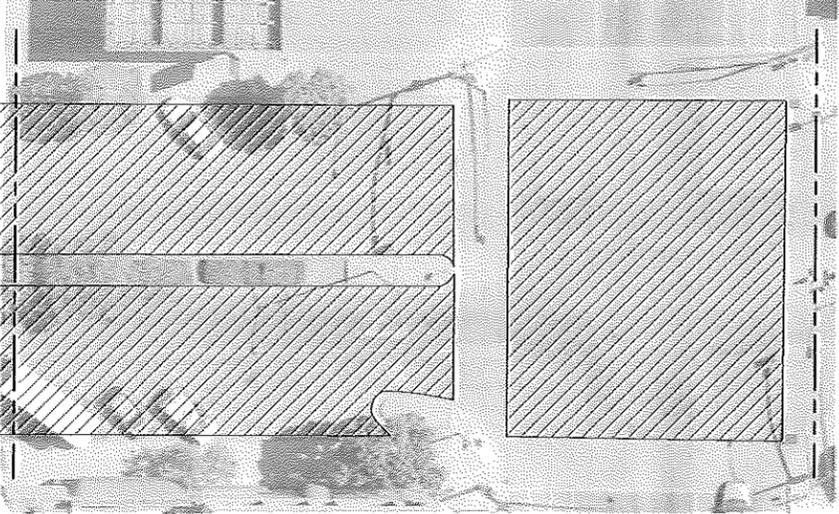


MATCH LINE D

PALM AVENUE

OAK AVENUE

MATCH LINE D



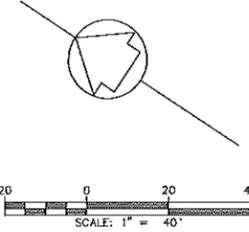
SEE NEXT SHEET

OAK AVENUE

EL CAMINO REAL

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EL CAMINO REAL STREET TOTALS:

APPLE-ELM
18,626 SY

ENGINEERING
SURVEYING
CONSTRUCTION MANAGEMENT

MNS
ENGINEERS
INC
201 Industrial Way
Buellton, CA 95427
805.965.5200 Phone



DATE: 03-31-2016
SCALE: 1"=40'
DRAWN BY: *KMY*
APPROVED BY: *DSP*
DRAWING NO:
Douglas S. Pike
R.C.E. 43330; Exp. 03-31-18

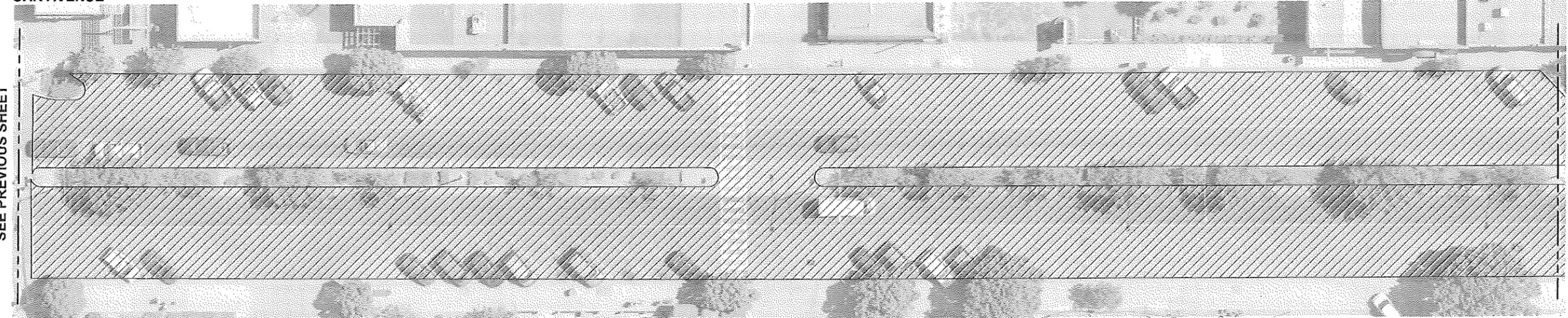
CITY OF GREENFIELD
2016 STREET REHABILITATION PROJECT
El Camino Real

SHEET
S7
10 OF 59

P:\CORTI Greenfield\2016\2016 El Camino Real - Rehab\Drawings\CA\Sheet\2016_0303_02.dwg
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OAK AVENUE

SEE PREVIOUS SHEET

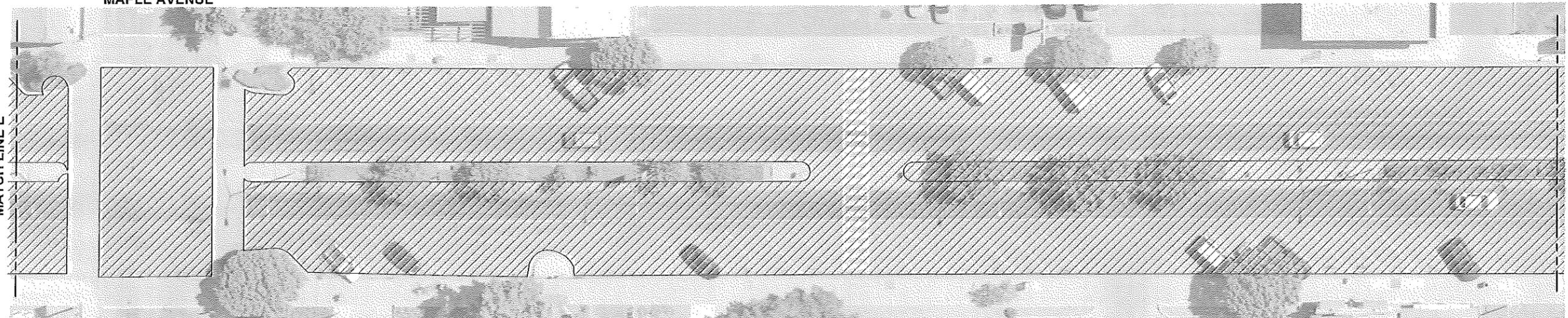


MATCH LINE E

OAK AVENUE

MAPLE AVENUE

MATCH LINE E



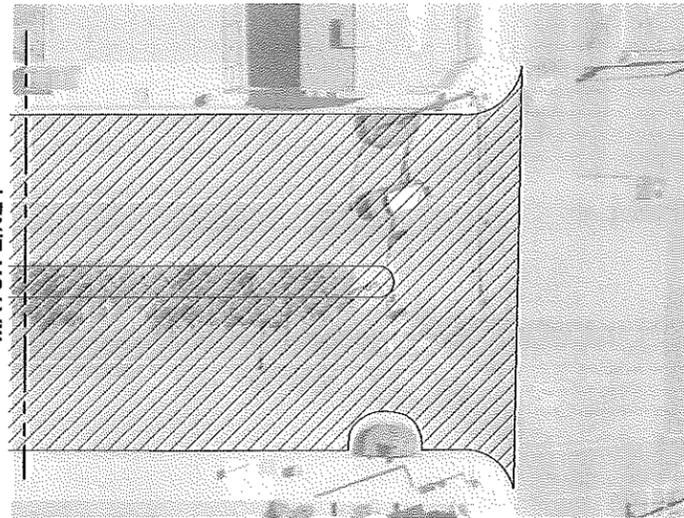
MATCH LINE F

MAPLE AVENUE

EL CAMINO REAL

ELM AVENUE

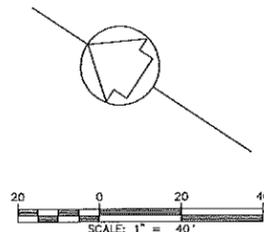
MATCH LINE F



ELM AVENUE

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ENGINEERING
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MNS
ENGINEERS IN C
201 Industrial Way
Bldg. 888, 5200 Phone



DATE: _____ DATE: _____
DRAWN BY: _____ KMT
APPROVED BY: _____ DSP
DRAWING NO. _____
Douglas S. Pike
R.C.E. 43330, Exp. 03-31-18

DATE: 03-31-2016
SCALE: 1"=40'
DRAWN BY: KMT
APPROVED BY: DSP
DRAWING NO. _____

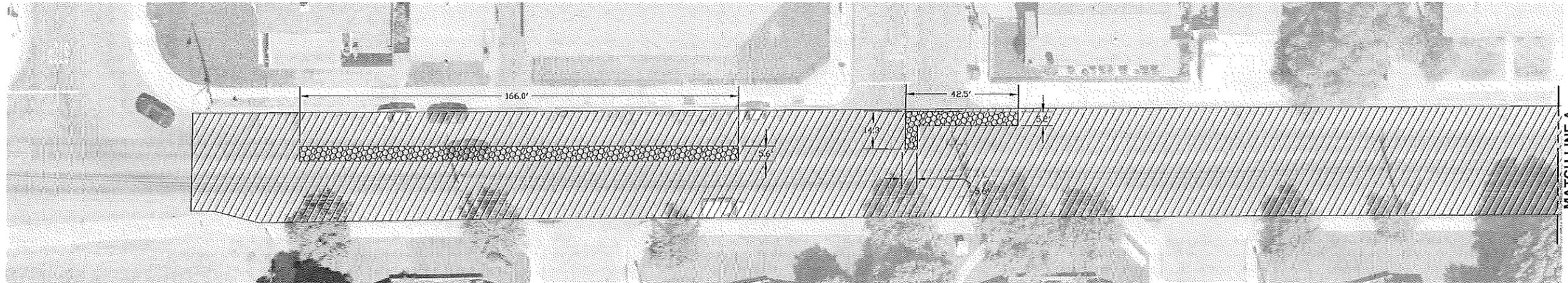
CITY OF GREENFIELD
2016 STREET REHABILITATION PROJECT
El Camino Real

SHEET
S 8
11 OF 59

Date: 02-May-15 11:21:07 AM P:\VORP_Corridor\2016\102003_Street_Rehab_2016\Drawings\04\04_0000_0000.dwg Plot: 03/31/2016 12:44

ELMWOOD DRIVE

ELEVENTH STREET

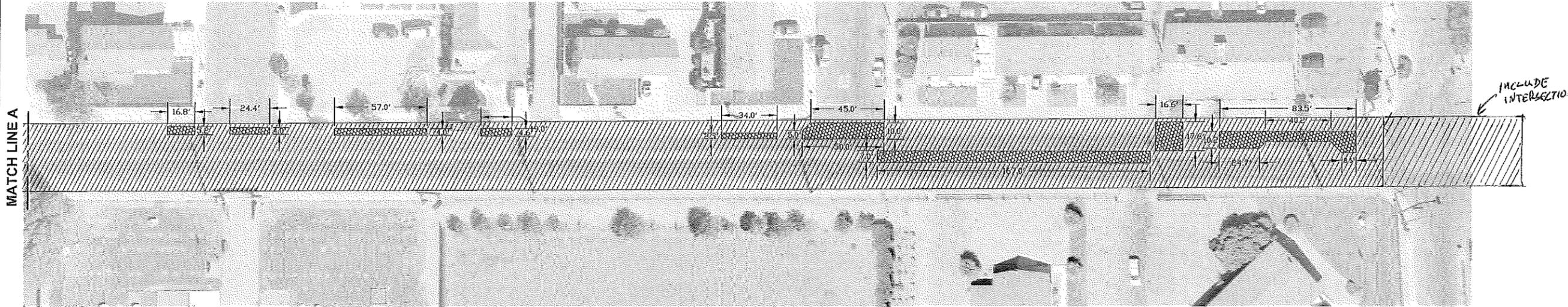


ELM AVENUE

TENTH STREET

NINTH STREET

EL CAMINO REAL



CONSTRUCTION NOTES:

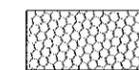
- 1) CONTRACTOR SHALL CREATE A STRIPING AND MARKING INVENTORY MAP OF ALL STREETS IN THE PROJECT SCOPE. INVENTORY MAP SHALL BE SUBMITTED TO THE CITY ENGINEER FOR APPROVAL PRIOR TO COMMENCING WORK.
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ELM AVE (ELWOOD DRIVE TO ECR)

STREET TOTALS:

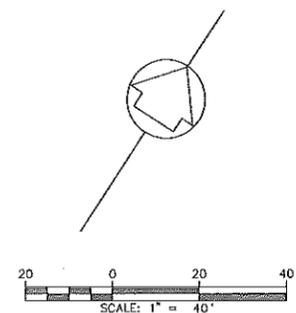


6,683.57



0.3' Grind and Overlay Locations

5000 SF (ROUNDED)



ENGINEERING
SURVEYING
CONSTRUCTION MANAGEMENT

MNS
ENGINEERS IN C
201 Industrial Way
Buellton, CA 93427
805.686.9200 Phone



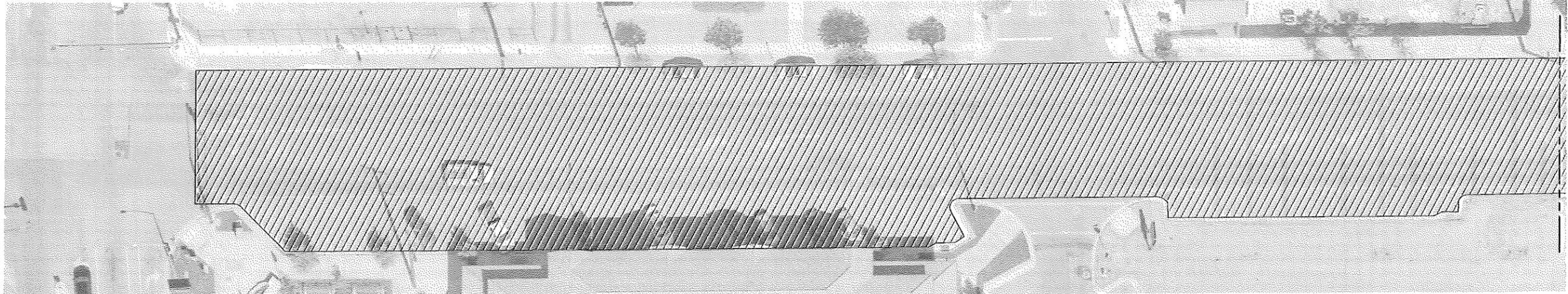
DATE: 03-31-2016
SCALE: 1"=40'
DRAWN BY: KWAY
APPROVED BY: DSEP
DRAWING No: _____
Douglas S. Pike
R.C.E. 43330, EXP. 03-31-18

CITY OF GREENFIELD
2016 STREET REHABILITATION PROJECT
Elm Avenue

SHEET
S9
12 OF 59

EL CAMINO REAL

EIGHTH STREET



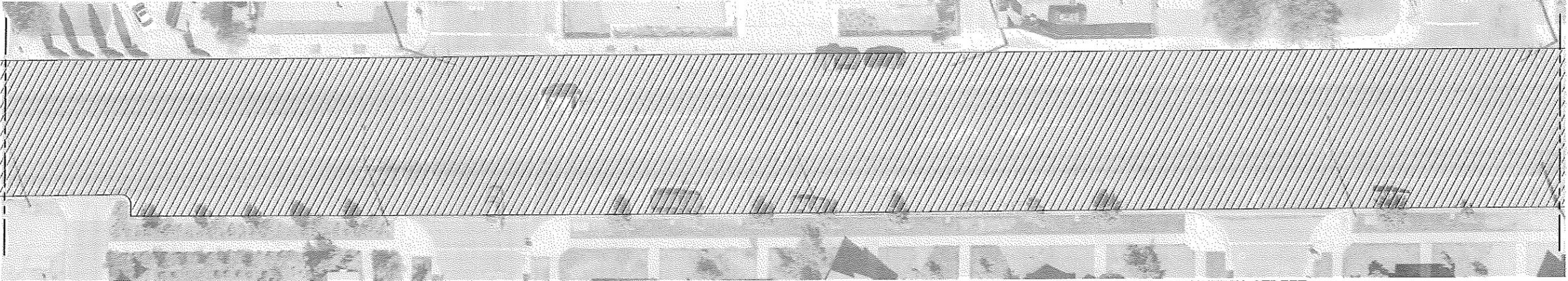
MATCH LINE A

EL CAMINO REAL

ST. CHARLES PLACE

SEVENTH STREET

SIXTH STREET



MATCH LINE A

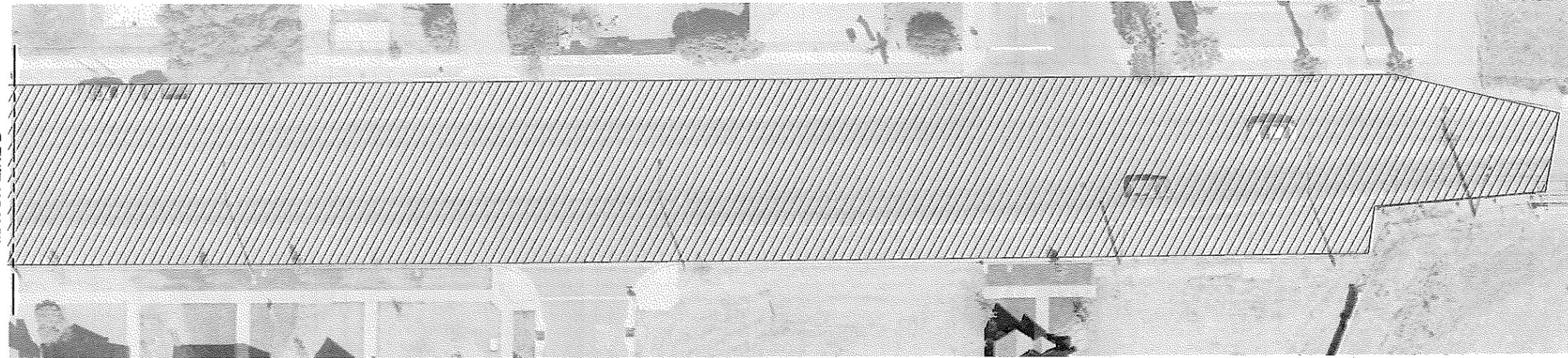
MATCH LINE B

MORENO STREET

HUERTA STREET

ELM AVENUE

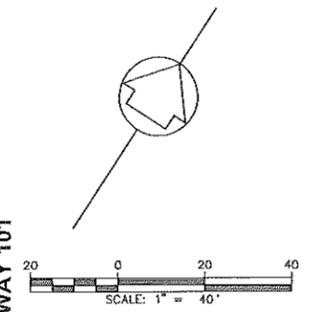
FIFTH STREET



MATCH LINE B

HIGHWAY 101

WALKER LANE



ELM AVE
(ECR to Highway 101)
STREET TOTALS:

 11,054 sq

ENGINEERING
SURVEYING
CONSTRUCTION MANAGEMENT

MINS
ENGINEERS IN C
1000 S. GARDEN ST.
SANTA ANA, CA 92707
805.686.5200 Phone

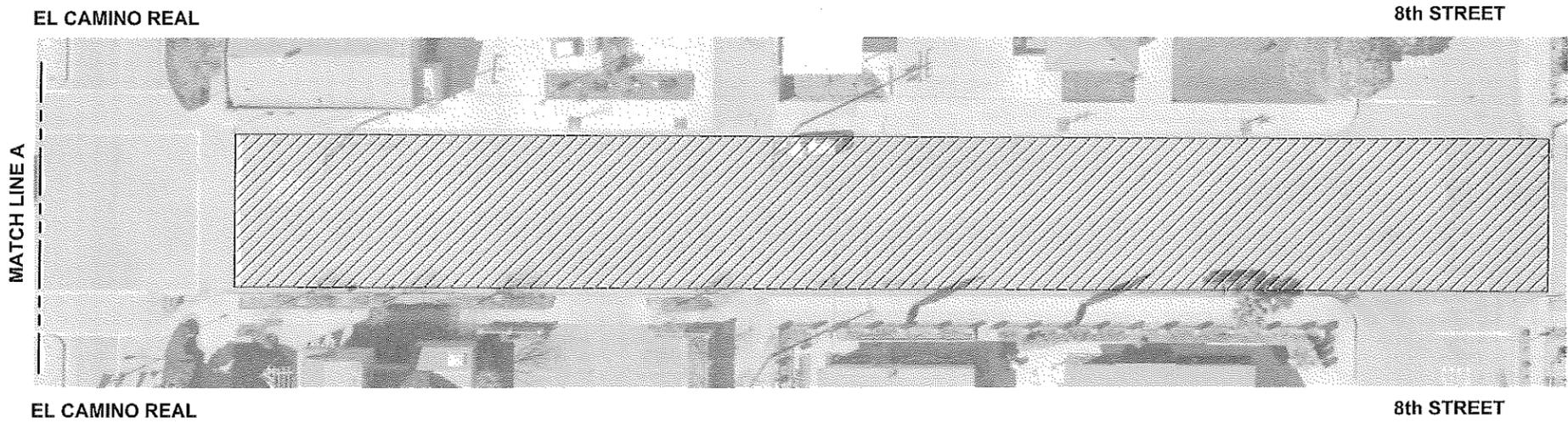
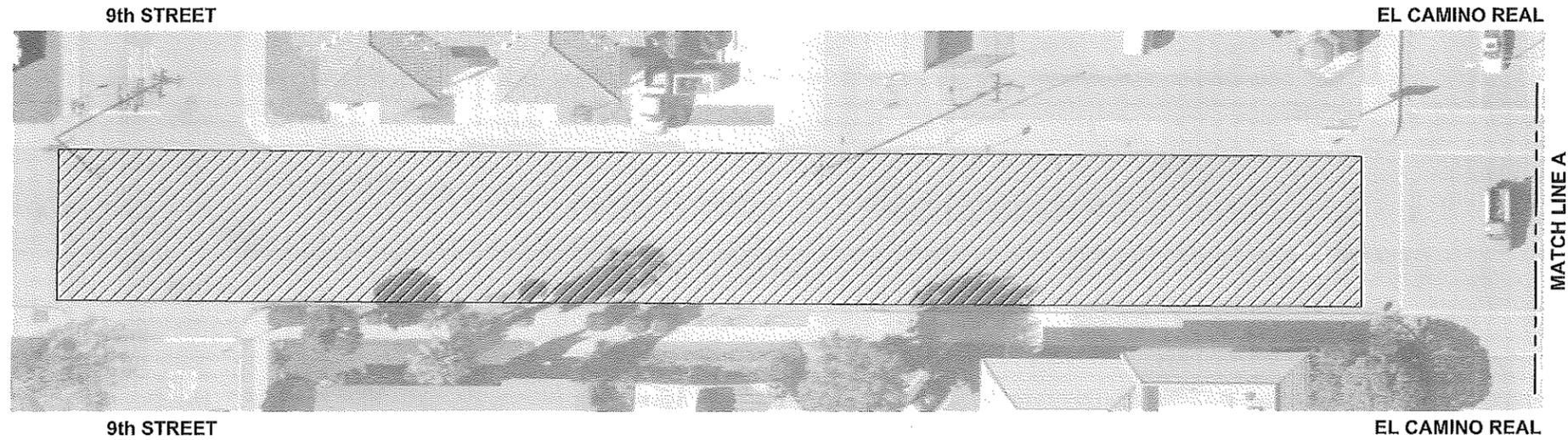


DATE: 03-31-2016
SCALE: 1" = 40'
DRAWN BY: KAC
APPROVED BY: DSP
DRAWING NO:
David S. Pike
R.C.E. 43330, EXP. 03-31-18

CITY OF GREENFIELD
2016 STREET REHABILITATION PROJECT
Elm Avenue - St. Charles Place Special Division

SHEET
S10
13 OF 59

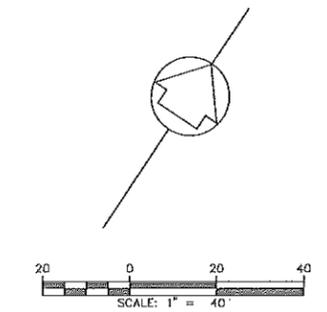
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MAPLE AVENUE

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**MAPLE AVENUE STREET TOTALS:
(9th Street to 8th Street)**

2819 SY

ENGINEERING
SURVEYING
CONSTRUCTION MANAGEMENT

MNS
ENGINEERS
IN C
201 Industrial Way
Brea, CA 92627
656.868.2800 Phone

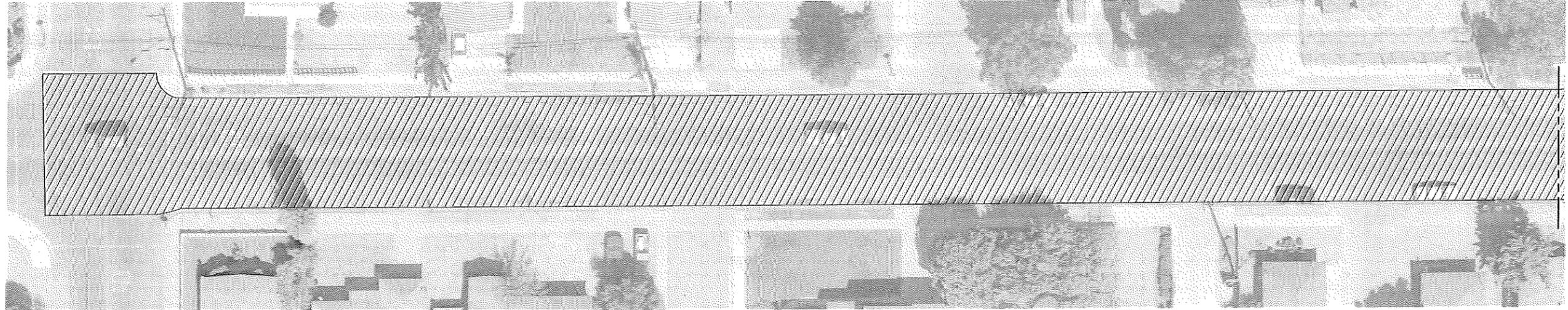
PROFESSIONAL ENGINEER
NO. 43330
Exp. 3-31-18
CIVIL
STATE OF CALIFORNIA

DATE: 03-31-2016
SCALE: 1"=40'
DRAWN BY: KMY
APPROVED BY: DSP
DRAWING NO:

CITY OF GREENFIELD
2016 STREET REHABILITATION PROJECT
Maple Avenue - Additive Alternate #3

SHEET
S11
14 OF 59

12th STREET



MATCH LINE A

12th STREET

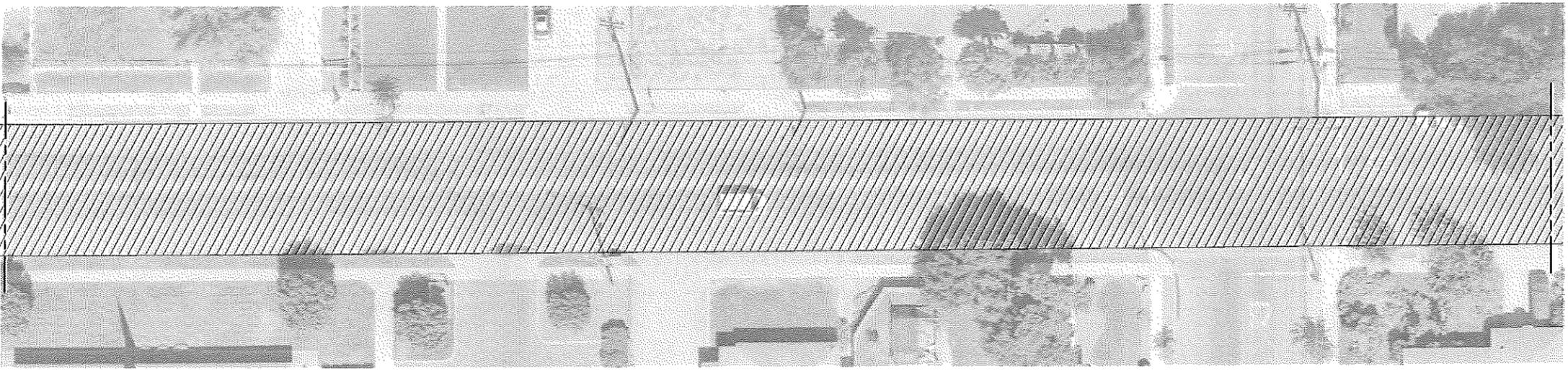


MATCH LINE A

MATCH LINE B

OAK AVENUE

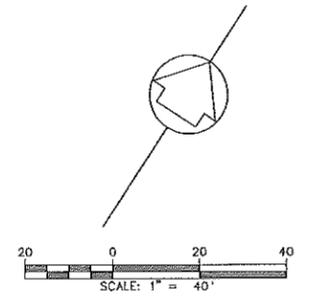
11th STREET



MATCH LINE B

SEE NEXT SHEET

11th STREET



OAK AVE STREET TOTALS:
(12th Street to ECR)

 12086 SY

ENGINEERING
SURVEYING
CONSTRUCTION MANAGEMENT

MNS
ENGINEERS IN C
1000 S. GARDEN ST.
SANTA ANA, CA 92707
805.666.5200 Phone



DATE: 03-31-2016
SCALE: 1" = 40'
DRAWN BY: KAT
APPROVED BY: DSP
DRAWING NO:
David S. Phipps
P.E. No. 43330, Exp. 03-31-18

CITY OF GREENFIELD 2016 STREET REHABILITATION PROJECT Oak Avenue

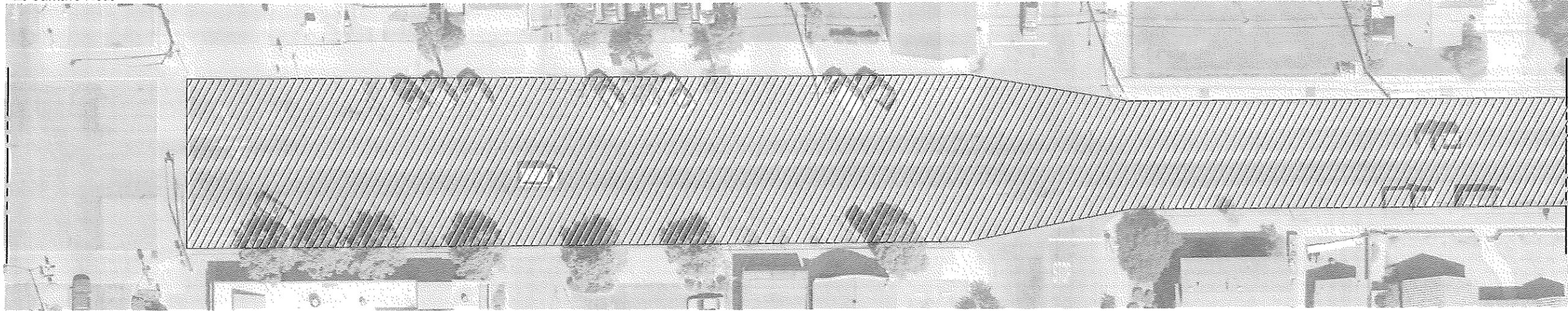
SHEET
S12
15 OF 59

Job: 2016-01-15 11:25:24 AM
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 Plot: 2016-01-15 11:25:24 AM
 Plot Device: HP DesignJet T1100e

El Camino Real

8th STREET

SEE PREVIOUS SHEET



MATCH LINE D

El Camino Real

8th STREET

7th STREET

6th STREET

MATCH LINE D



MATCH LINE E

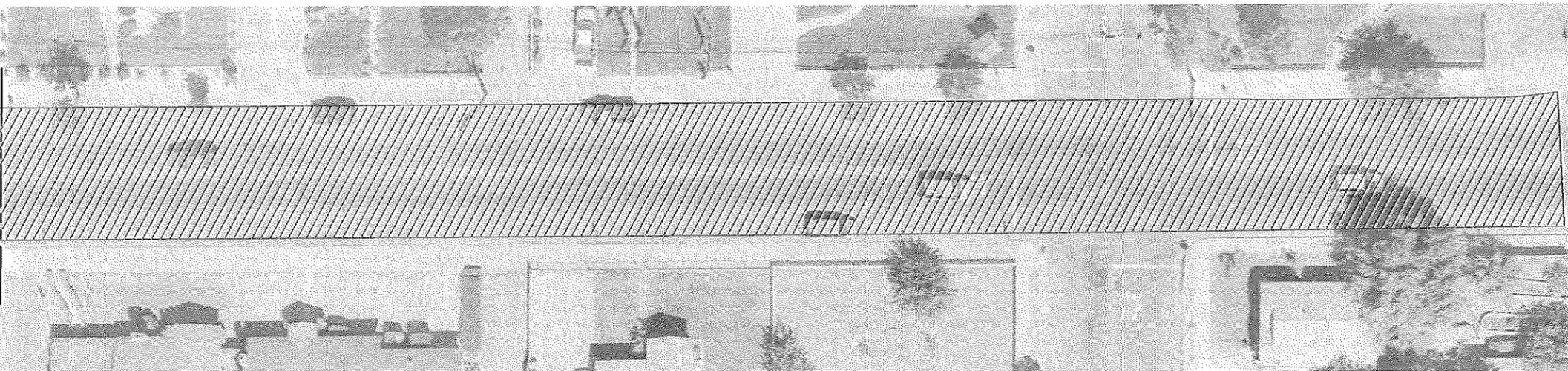
7th STREET

OAK AVENUE

5th STREET

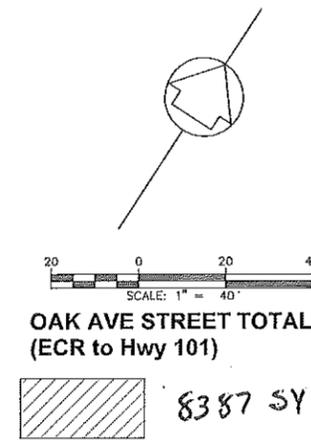
6th STREET

MATCH LINE E



5th STREET

HIGHWAY 101



ENGINEERING
SURVEYING
CONSTRUCTION MANAGEMENT

MINS
ENGINEERS IN C
201 Industrial Way
Burlingame, CA 94010
805.685.5200 Phone



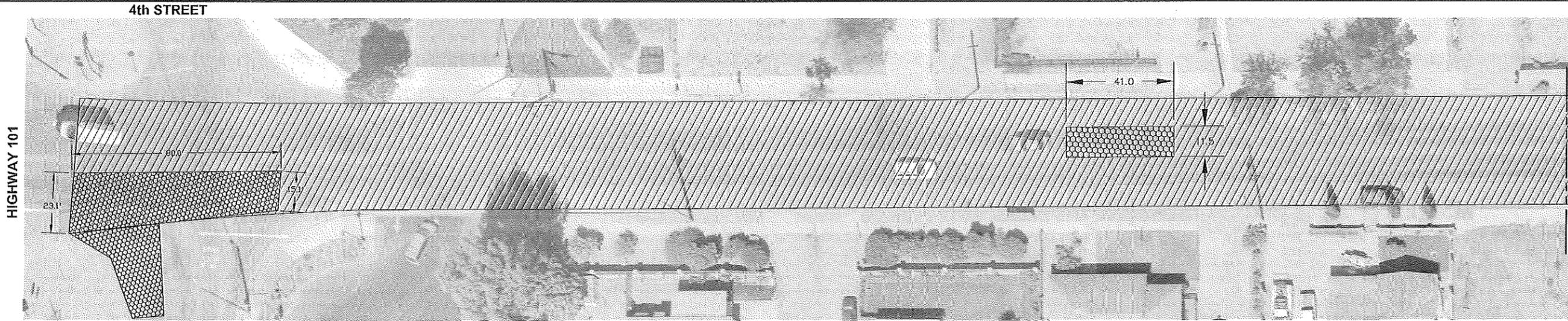
DATE: _____
DRAWN BY: KMY
APPROVED BY: DSP
DRAWING NO: _____
Douglas S. Pike
R.C.E. #43330; Exp. 03-31-18

DATE: 03-31-2016
SCALE: 1" = 40'
DRAWN BY: KMY
APPROVED BY: DSP
DRAWING NO: _____

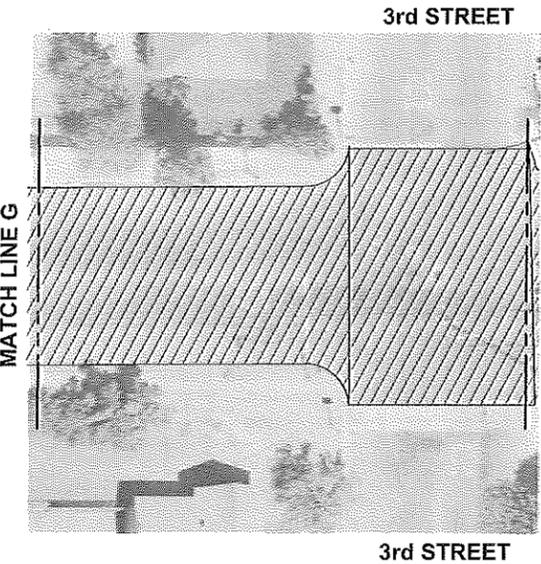
CITY OF GREENFIELD 2016 STREET REHABILITATION PROJECT Oak Avenue

SHEET
S14
17 OF 59

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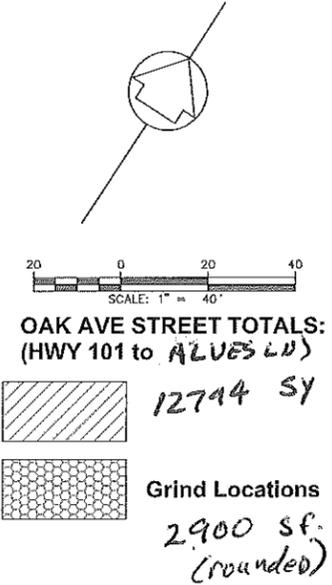


OAK AVENUE



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CITY OF GREENFIELD
2016 STREET REHABILITATION PROJECT
Oak Avenue

SHEET
S15
 18 OF 59

DATE: 03-31-2016
 SCALE: 1" = 40'
 DRAWN BY: KMY
 APPROVED BY: DSP
 DRAWING No:



MINS
 ENGINEERING
 SURVEYING
 CONSTRUCTION MANAGEMENT
 201 Industrial Way
 Beaver Dam, WI 53427
 608.666.5800 Phone

P:\CADD\Drawings\2016\2016 Street Rehab\Drawings\Oak Avenue\2016 Project\2016_2016_03_31_16_04.dwg
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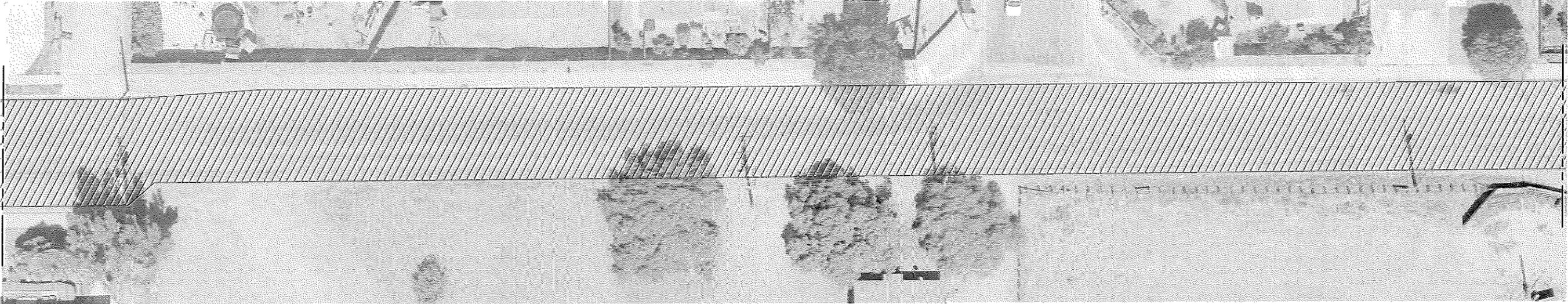
3rd STREET SEE PREVIOUS SHEET



MATCH LINE H

VINEYARD DRIVE

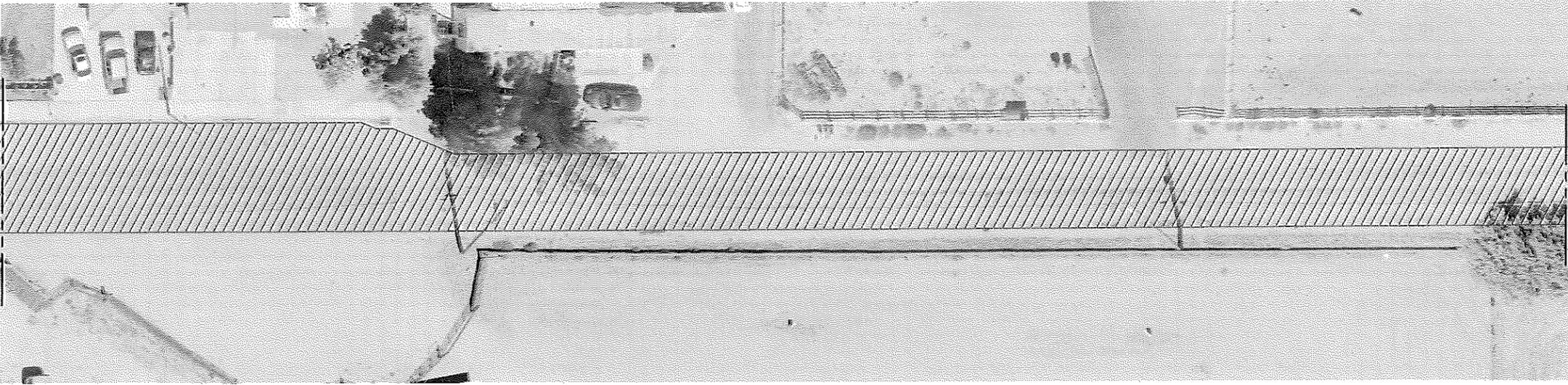
MATCH LINE H



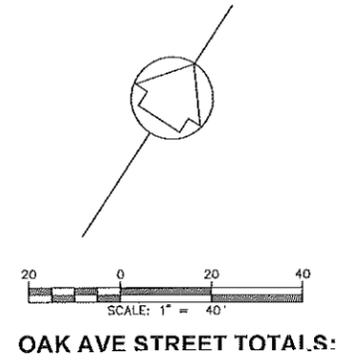
MATCH LINE I

OAK AVENUE

MATCH LINE I



SEE NEXT SHEET



160 02/16/16 03:58:14 PM P:\GIS\GIS\Projects\2016\2016_03_31_2016\2016_03_31_2016.dwg

ENGINEERING SURVEYING CONSTRUCTION MANAGEMENT

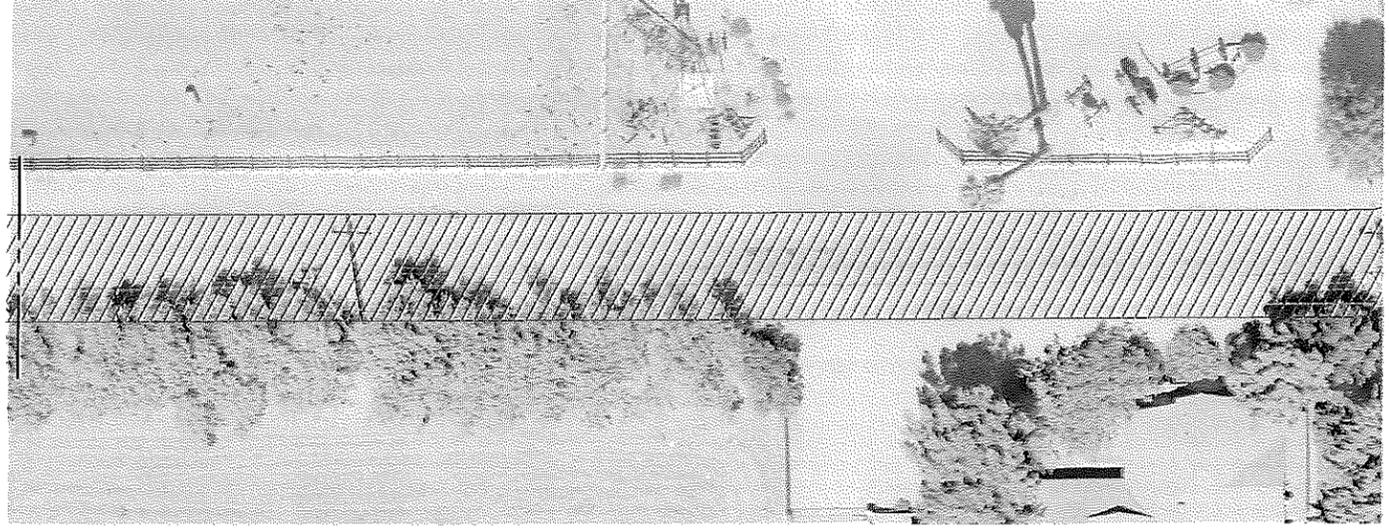
MNS
ENGINEERS IN C
201 Industrial Way
Burlington, MA 01827
800.969.5200 Phone



DATE: 03-31-2016
SCALE: 1" = 40'
DRAWN BY: KXY
APPROVED BY: DSP
DRAWING NO:
Douglas S. Pike
P.E. 43330, EXP. 03-31-18

CITY OF GREENFIELD
2016 STREET REHABILITATION PROJECT
Oak Avenue

SEE PREVIOUS SHEET

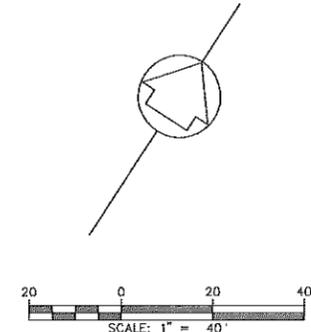


OAK AVENUE

ALVES LANE

CONSTRUCTION NOTES:

- 1) CONTRACTOR SHALL CREATE A STRIPING AND MARKING INVENTORY MAP OF ALL STREETS IN THE PROJECT SCOPE. INVENTORY MAP SHALL BE SUBMITTED TO THE CITY ENGINEER FOR APPROVAL PRIOR TO COMMENCING WORK.
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- 6) CONTRACTOR IS RESPONSIBLE FOR NO PARKING NOTIFICATIONS AND PROVIDING ACCESS TO BUSINESS AT ALL TIMES.



**CITY OF GREENFIELD
2016 STREET REHABILITATION PROJECT
Oak Avenue**

SHEET
S17
20 OF 59

DATE: 03-31-2016
SCALE: 1" = 40'
DRAWN BY: KMY
APPROVED BY: DSP
DRAWING NO:

Douglas S. Pike
P.E. 43330, EXP. 03-31-18

ENGINEERING
SURVEYING
CONSTRUCTION MANAGEMENT

MNS
ENGINEERS INC
201 Industrial Way
Burlington, CA 93427
805.868.5200 Phone

9th STREET

EL CAMINO REAL



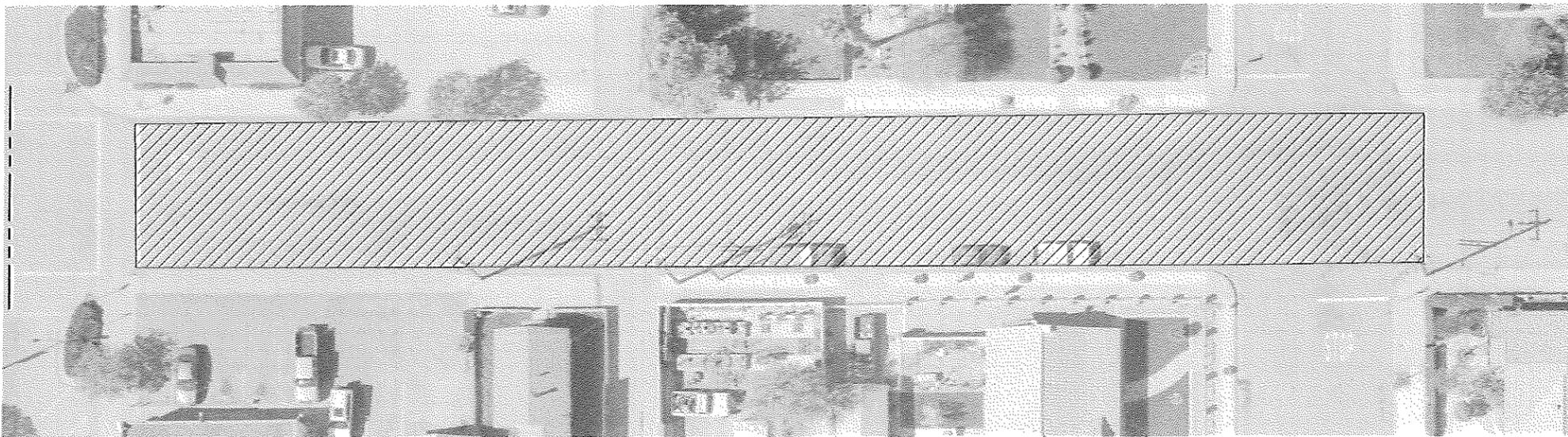
9th STREET

EL CAMINO REAL

MATCH LINE A

EL CAMINO REAL

8th STREET

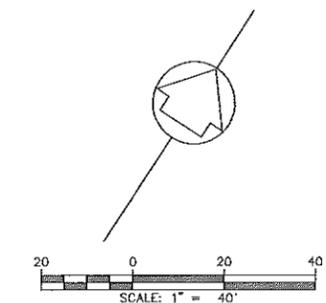


MATCH LINE A

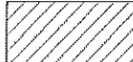
EL CAMINO REAL

8th STREET

PALM AVENUE



**PALM AVENUE STREET TOTALS:
(9th Street to 8th Street)**

 3733 SY

ENGINEERING
SURVEYING
CONSTRUCTION MANAGEMENT

MNS
ENGINEERS IN C
201 Industrial Way
805.688.5200 Phone



DATE: _____
DRAWN BY: KAY
APPROVED BY: DSP
DRAWING NO: _____
Douglas S. Pike
P.E. 43330, EXP. 03-31-18

DATE: 03-31-2018
SCALE: 1"=40'
DRAWN BY: KAY
APPROVED BY: DSP
DRAWING NO: _____

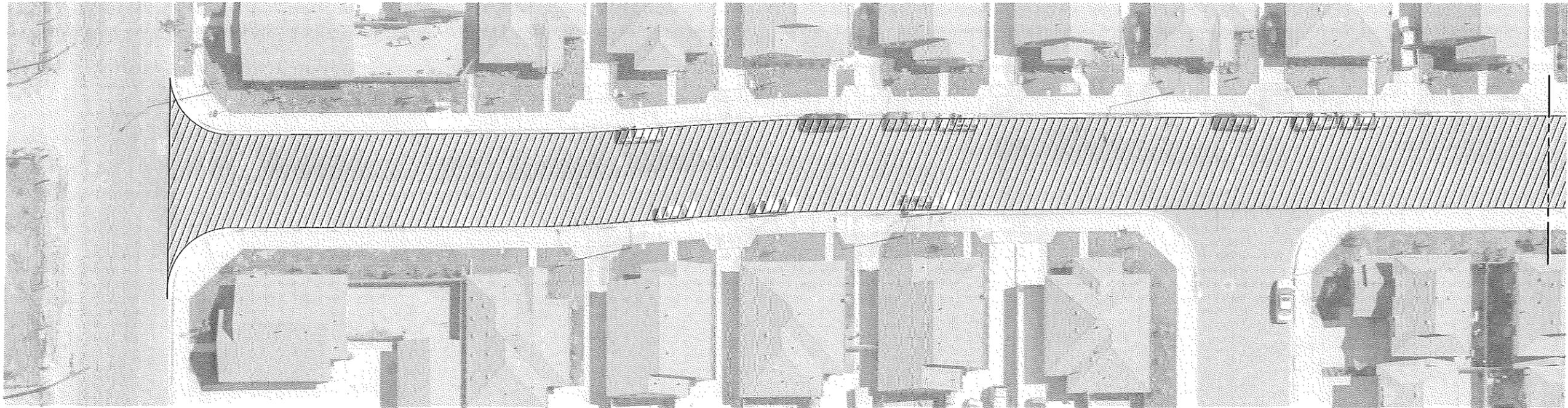
CITY OF GREENFIELD 2016 STREET REHABILITATION PROJECT Palm Avenue - Additive Alternate #2

SHEET
S19

22 OF 59

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OAK AVENUE

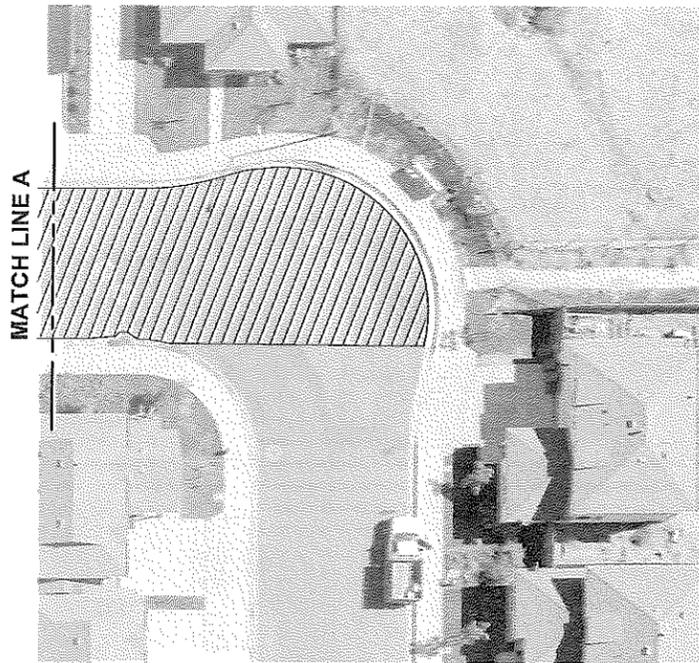


MATCH LINE A

OAK AVENUE

SANTA LUCIA STREET

MALDONADO STREET

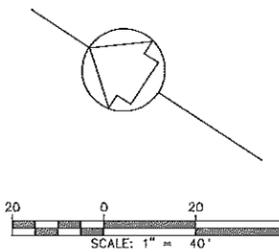


MATCH LINE A

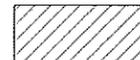
SPARK STREET

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MALDONADO STREET STREET TOTALS:

 21 22 54

ENGINEERING
SURVEYING
CONSTRUCTION MANAGEMENT

MINS
ENGINEERS IN C
201 Industrial Way
Buellton, CA 93427
805.868.5200 Phone



DATE: _____
DRAWN BY: KMY
APPROVED BY: DSP
DRAWING No: _____
Douglas S. Pike
R.C.E. 43330, Exp. 03-31-18

DATE: 03-31-2016
SCALE: 1" = 40'
DRAWN BY: KMY
APPROVED BY: DSP
DRAWING No: _____

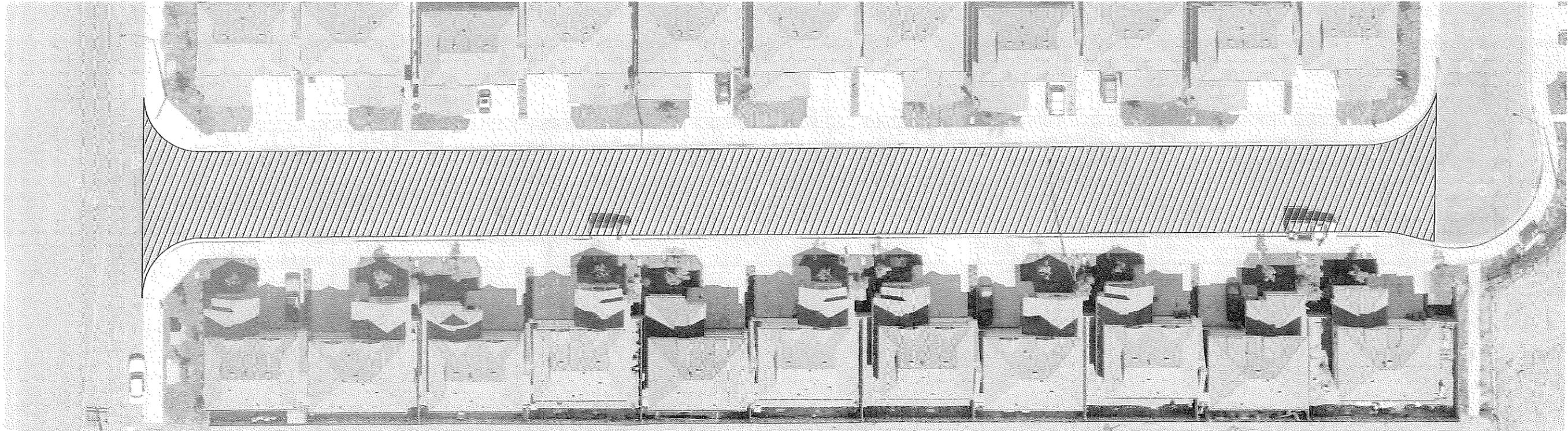
CITY OF GREENFIELD
2016 STREET REHABILITATION PROJECT
Maldonado Street - Special Division

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S21
24 OF 59

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THIRTEENTH STREET

MALDONADO STREET

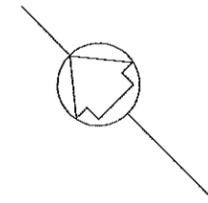


THIRTEENTH STREET

SPARK STREET

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SPARK STREET STREET TOTALS:



1824 SY

ENGINEERING
SURVEYING
CONSTRUCTION MANAGEMENT

MNS
ENGINEERS INC
201 Industrial Way
Burlington, CA 94227
955.888.5200 Phone



DATE: _____
DRAWN BY: KAT
APPROVED BY: DSP
DRAWING NO: _____
Douglas S. Pike
R.C.E. 42330, EXP. 03-31-18

DATE: 03-31-2016
SCALE: 1" = 40'
DRAWN BY: KAT
APPROVED BY: DSP
DRAWING NO: _____

CITY OF GREENFIELD
2016 STREET REHABILITATION PROJECT
Spark Street - Special Division

SHEET
S23
26 OF 59