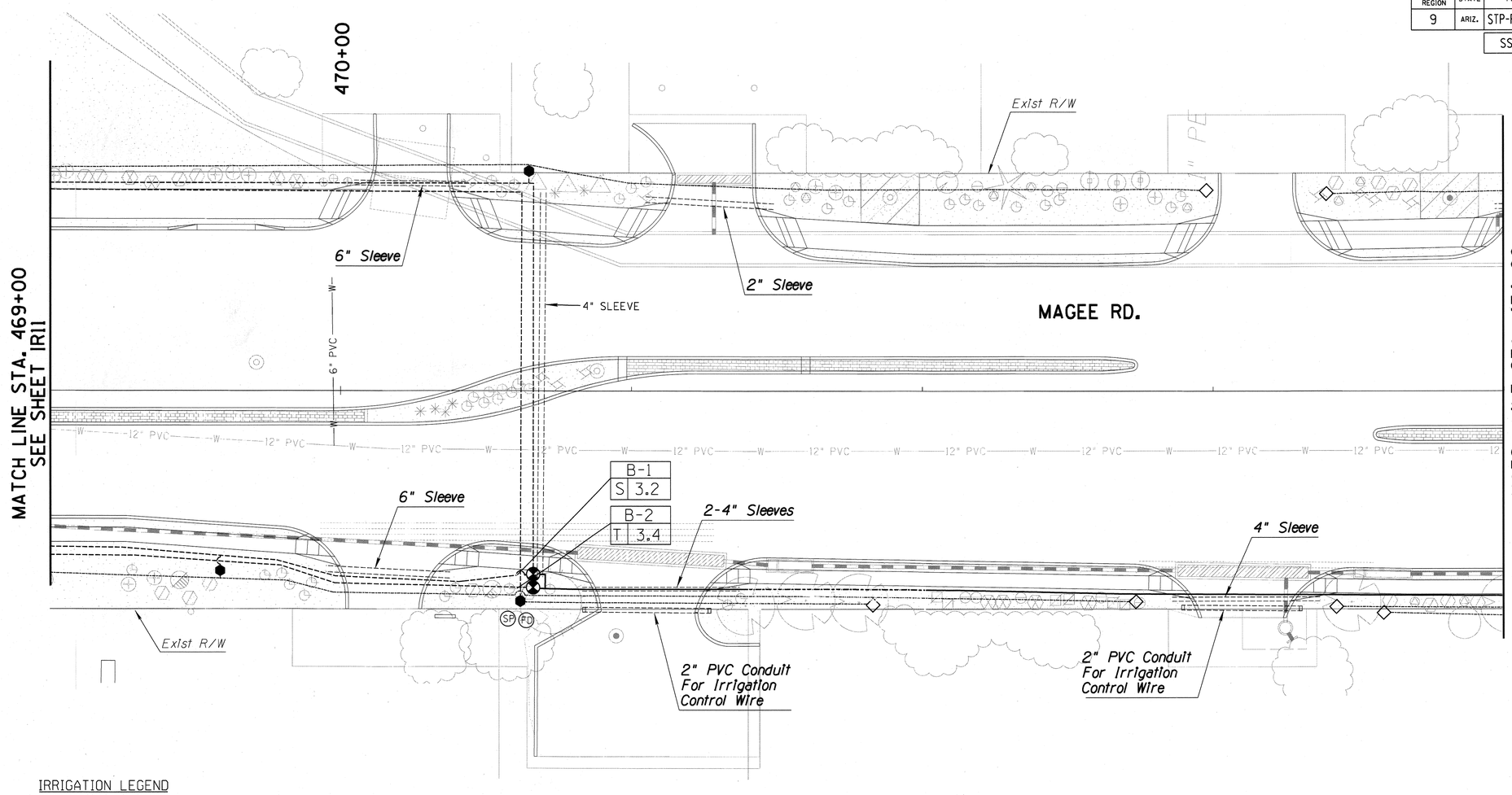
| F.H.W.A. REGION | STATE | PROJECT NO. | SHEET NO. | TOTAL SHEETS | AS BUILT |
|---|---|---|---|---|---|
| 9 | ARIZ. | STP-PPM-0(209)D | 231 | 273 | |

SS693 01C

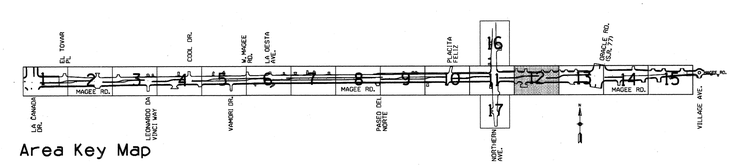



IRRIGATION LEGEND

IRRIGATION EQUIPMENT SCHEDULE *Item #8080001*

| SYMBOL | DESCRIPTION |
|---|---|
| C | Controller-Rainbird ESP-LXD 75station.Metal Pedestal<br>A - Pima County - Sta. 452+25<br>B - Oro Valley - Sta.468+50 |
| FD | Field Decoder - FD201TURF - Rainbird |
| FD | Field Decoder - FD401TURF - Rainbird |
| SP | Surge Protector-LSP1TURF-every 500'-Rainbird |
| MSP | Surge Protector - MSP-1 - Rainbird |
| M | Meter 1-1/2"-Pima County-Sheet 18-Sta.452+25<br>Oro Valley-Sheet 113-Sta.477+50 |
| | Reduced Pressure Backflow Preventer Febco 825-Y 2" (or approved equal) |
| | Master Valve-Grisworld, model 200-DWS-PRV 2" Valve. (Or Approved Equal.) |
| | Remote Control Valve Assembly Size as shown on Plans. Rainbird Model 100-PEB Valve w/ API Filter Model 4E or Approved Equal. |
| | Pressure Regulator - Senninger PR HF 25 |
| FS | Flow Sensor - Rainbird FS100B |
| | Mainline - Sch. 40 PVC 2" |
| | Submain-Sch.40 PVC 1" (Non Pressurized) |
| | Lateral - Sch. 40 PVC, 3/4" Size |
| | Sleeve - SCH 40 PVC Size as Shown on Plans |
| | Sleeve with Pull Boxes |
| | Brass Gate Valve Size Per Incoming Line |
| | VALVE CALLOUT<br>Tree (T) or Shrub (S) — A-1 (Valve I.D.) — S 16 (Gallons per Minute) |
| | Emitter Assembly (Multi-port, 2 gph, 1 gph) Rainbird XBT-20-6, XBT-10-6 |
| | Emitter Assembly (Single-port, 0.5,1 or 2 gph each) Rainbird Xerl-Bug |
| | End Cap |

V — ITS Line




Area Key Map

20' 0 20' 40'
SCALE: 1"=20'

Scale: 1" = 20' Horiz. 1" = 4' Vert.

Sheet IR12 of 20

Priscilla S. Cornelio, P.E., Director

| No. | Revision Description | Engineer | Date |
|---|---|---|---|
| | | | |

| | | Date |
|---|---|---|
| Designed | K. Furenlid | 01/12 |
| Drawn | K. Furenlid | 10/12 |
| Checked | J. Lyndes | 10/12 |
| Proj. Engr. | | |

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IRRIGATION PLANS
STA. 469+00 TO STA. 474+00
MAGEE RD.
LA CAÑADA DR. - ORACLE RD. (SR 77)
PROJECT NO. 4MRLCO

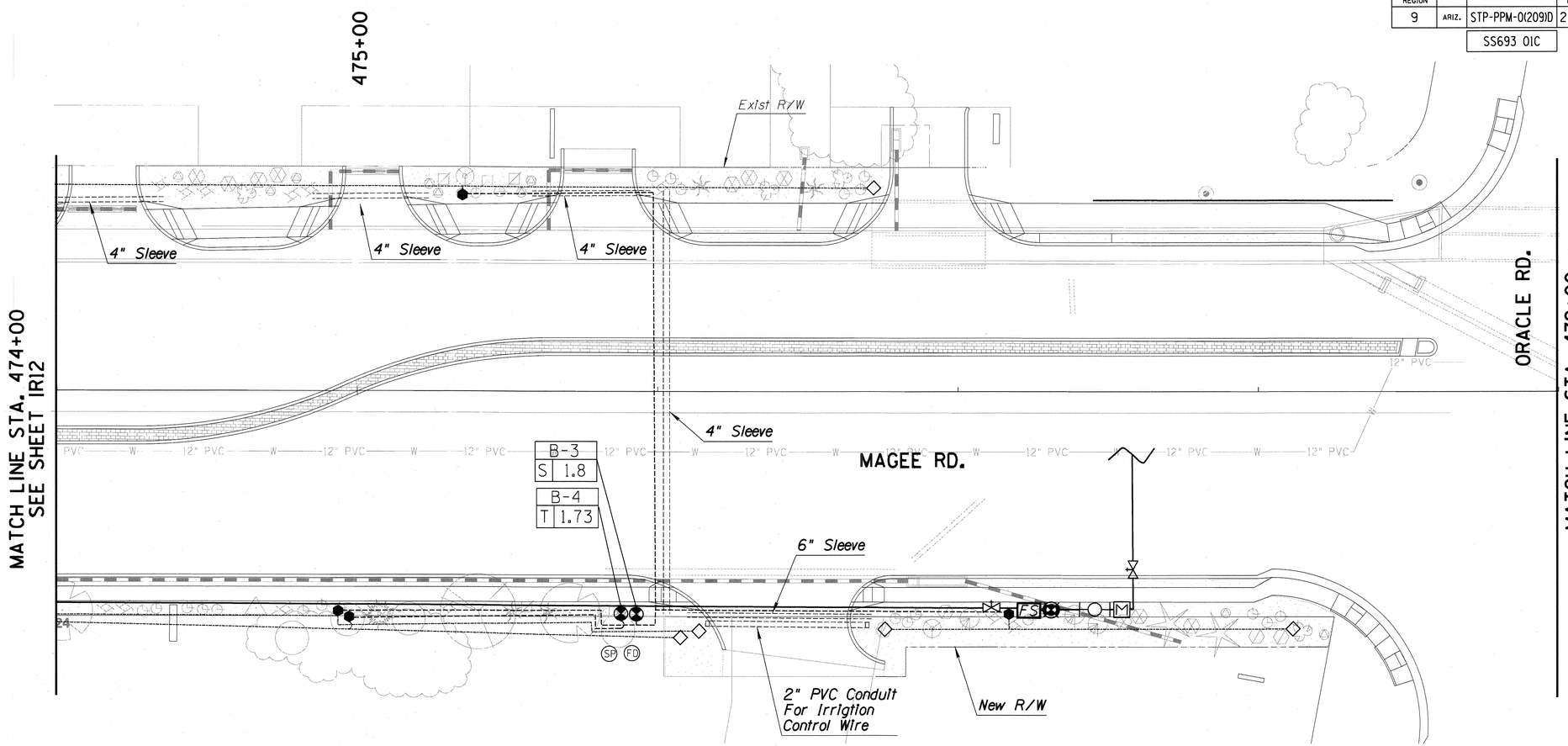
MAGEE RD. IMPROVEMENTS - LA CAÑADA DR. TO ORACLE RD. (SR 77) - PROJECT NO. 4MRLCO



FILE NAME: K:\TUC_LA\Projects\098220000.3_Magee Road 4 MRLCO\CADD\Plans\IRRIGATION PLANS\IRR012.dgn DATE: 3/7/2013 TIME: 6:14:40 PM $USER$

| F.H.W.A. REGION | STATE | PROJECT NO. | SHEET NO. | TOTAL SHEETS | AS BUILT |
|---|---|---|---|---|---|
| 9 | ARIZ. | STP-PPM-0(209)D | 232 | 273 | |

SS693 01C




IRRIGATION LEGEND

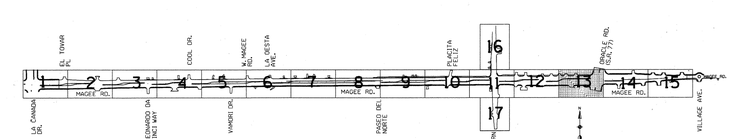
## IRRIGATION EQUIPMENT SCHEDULE *Item #8080001*

| SYMBOL | DESCRIPTION |
|---|---|
| C | Controller-Rainbird ESP-LXD 75station,Metal Pedestal<br>A - Pima County - Sta. 452+25<br>B - Oro Valley - Sta.468+50 |
| FD | Field Decoder - FD201TURF - Rainbird |
| FD | Field Decoder - FD401TURF - Rainbird |
| SP | Surge Protector-LSP1TURF-every 500'-Rainbird |
| MSP | Surge Protector - MSP-1 - Rainbird |
| M | Meter 1-1/2"Pima County-Sheet 18-Sta.452+25<br>Oro Valley-Sheet 113-Sta.477+50 |
| | Reduced Pressure Backflow Preventer<br>Febco 825-Y 2" (or approved equal) |
| | Master Valve-Griswold. model 200-DWS-PRV 2" Valve. (Or Approved Equal.) |
| | |

| SYMBOL | DESCRIPTION |
|---|---|
| | Remote Control Valve Assembly Size as shown on Plans. Rainbird Model 100-PEB Valve w/ API Filter Model 4E or Approved Equal. |
| | Pressure Regulator - Senninger PR HF 25 |
| FS | Flow Sensor - Rainbird FS100B |
| | Mainline - Sch. 40 PVC 2" |
| | Submain-Sch.40 PVC 1" (Non Pressurized) |
| | Lateral - Sch. 40 PVC, 3/4" Size |
| | Sleeve - SCH 40 PVC Size as Shown on Plans |
| | Sleeve with Pull Boxes |

| SYMBOL | DESCRIPTION |
|---|---|
| | Brass Gate Valve Size Per Incoming Line |
| | VALVE CALLOUT<br>Tree (T) or Shrub (S) — A-1 Valve I.D. — S 16 Gallons per Minute |
| | Emitter Assembly (Multi-port, 2 gph, 1 gph) Rainbird XBT-20-6, XBT-10-6 |
| | Emitter Assembly (Single-port, 0.5,1 or 2 gph each) Rainbird Xerl-Bug |
| | End Cap |

V — ITS Line




Area Key Map

20' 0 20' 40'
SCALE: 1" =20'

| Scale: | 1" = 20' Horiz. 1" = 4' Vert. | Sheet IR13 of 20 |
|---|---|---|

Priscilla S. Cornelio, P.E., Director

| Designed | K. Furenlid | 07/12 |
|---|---|---|
| Drawn | K. Furenlid | 10/12 |
| Checked | J. Lyndes | 10/12 |
| Proj. Engr. | | |

| No. | Revision Description | Engineer | Date |
|---|---|---|---|
| | | | |

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Pima County Department of Transportation

IRRIGATION PLANS
STA. 474+00 TO STA. 479+00

MAGEE RD.
LA CAÑADA DR. - ORACLE RD. (SR 77)
PROJECT NO. 1MRLCO

MAGEE RD. IMPROVEMENTS - LA CAÑADA DR. TO ORACLE RD. (SR 77) - PROJECT NO. 4MRLCO



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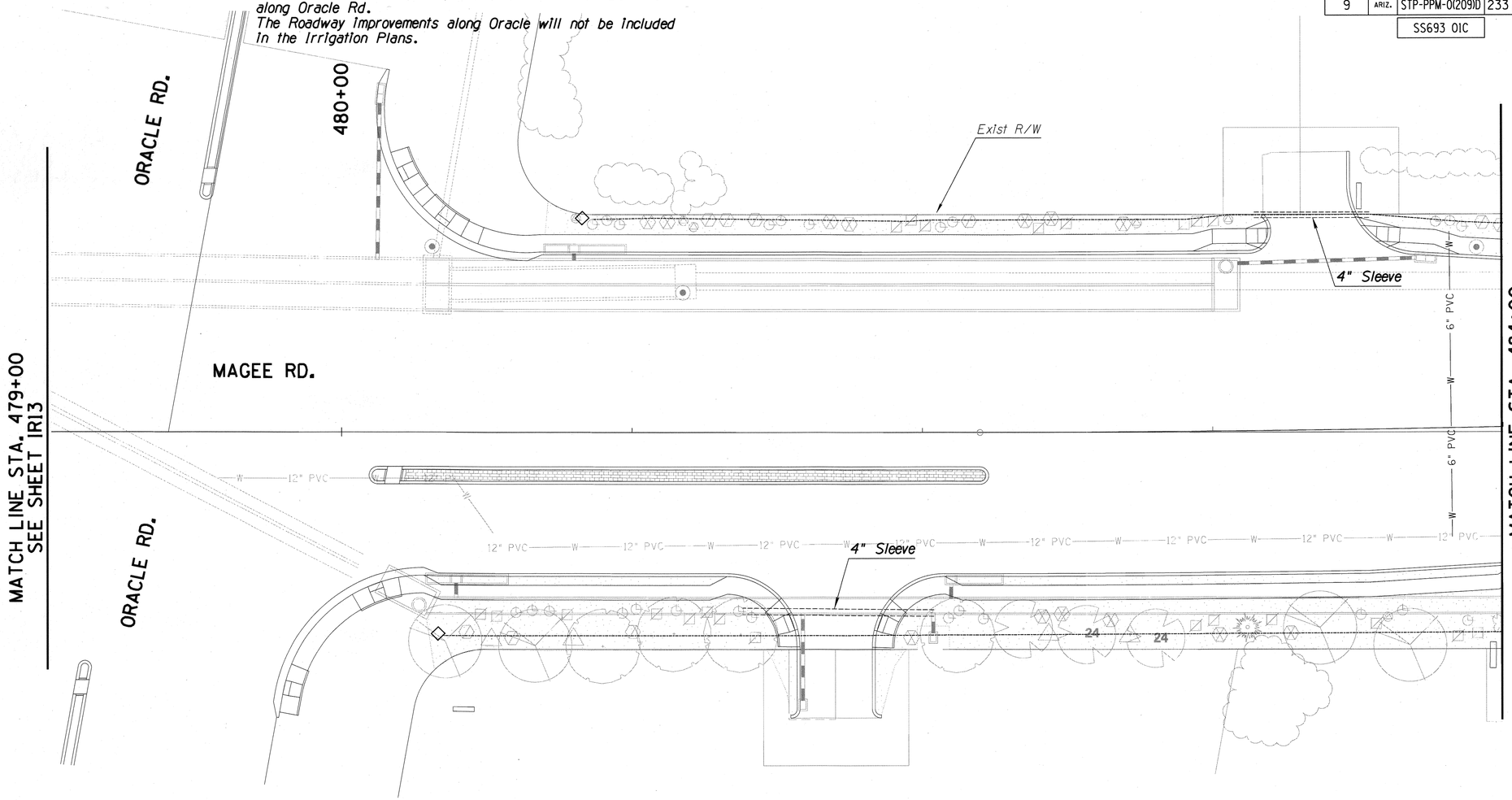
| F.H.W.A. REGION | STATE | PROJECT NO. | SHEET NO. | TOTAL SHEETS | AS BUILT |
|---|---|---|---|---|---|
| 9 | ARIZ. | STP-PPM-0(209)D | 233 | 273 | |

SS693 01C

There are no Landscape Improvements within the ADOT ROW along Oracle Rd.
The Roadway Improvements along Oracle will not be Included in the Irrigation Plans.

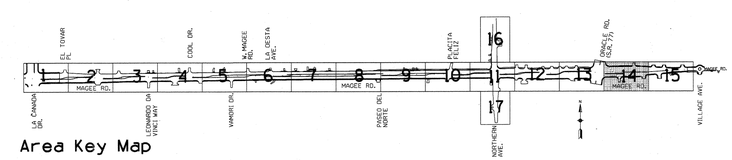



IRRIGATION LEGEND

IRRIGATION EQUIPMENT SCHEDULE Item #8080001

| SYMBOL | DESCRIPTION | SYMBOL | DESCRIPTION | SYMBOL | DESCRIPTION |
|---|---|---|---|---|---|
| C | Controller-Rainbird ESP-LXD 75station,Metal Pedestal<br>A - Pima County - Sta. 452+25<br>B - Oro Valley - Sta.468+50 | | Remote Control Valve Assembly Size as shown on Plans. Rainbird Model 100-PEB Valve w/ API Filter Model 4E or Approved Equal. | | Brass Gate Valve Size Per Incoming Line |
| FD | Field Decoder - FD201TURF - Rainbird | | | | |
| FD | Field Decoder - FD401TURF - Rainbird | | Pressure Regulator - Senninger PR HF 25 | VALVE CALLOUT | |
| SP | Surge Protector-LSP1TURF-every 500'-Rainbird | FS | Flow Sensor - Rainbird FS100B | Tree (T) or Shrub (S) — S 16 — Gallons per Minute; A-1 — Valve I.D. | |
| MSP | Surge Protector - MSP-1 - Rainbird | | | | |
| M | Meter 1-1/2" Pima County-Sheet 18-Sta.452+25 Oro Valley-Sheet 113-Sta.477+50 | | Mainline - Sch. 40 PVC 2" | | |
| | Reduced Pressure Backflow Preventer Febco 825-Y 2" (or approved equal) | | Submain-Sch.40 PVC 1" (Non Pressurized) | Emitter Assembly (Multi-port, 2 gph, 1 gph) Rainbird XBT-20-6, XBT-10-6 | |
| | Master Valve-Griswold, model 200-DWS-PRV 2" Valve. (Or Approved Equal.) | | Lateral - Sch. 40 PVC, 3/4" Size | Emitter Assembly (Single-port, 0.5,1 or 2 gph each) Rainbird Xeri-Bug | |
| | | | Sleeve - SCH 40 PVC Size as Shown on Plans; Sleeve with Pull Boxes | End Cap | |

V — ITS Line




Area Key Map

20' 0 20' 40'
SCALE: 1" = 20'

Scale: 1" = 20' Horiz. 1" = 4' Vert.

Sheet IR14 of 20

Pima County Department of Transportation

IRRIGATION PLANS
STA. 479+00 TO STA. 484+00

MAGEE RD.
LA CAÑADA DR. - ORACLE RD. (SR 77)
PROJECT NO. 4MRLCO

Page 233 of 273

Priscilla S. Cornelio, P.E., Director

| No. | Revision Description | Engineer | Date |
|---|---|---|---|
| | | | |

| | | Date |
|---|---|---|
| Designed | K. Furenlid | 07/12 |
| Drawn | K. Furenlid | 10/12 |
| Checked | J. Lyndes | 10/12 |
| Proj. Engr. | | |

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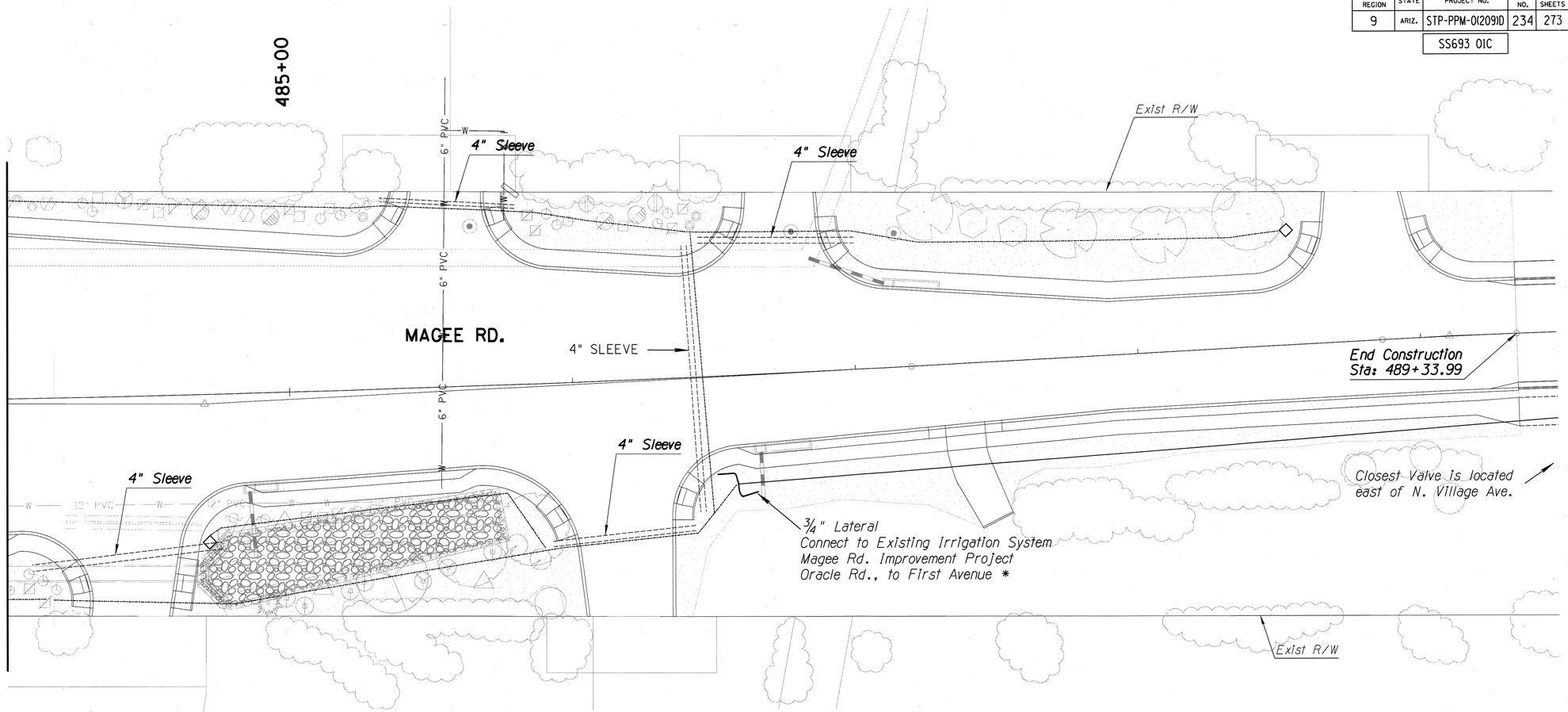
MAGEE RD. IMPROVEMENTS - LA CAÑADA DR. TO ORACLE RD. (SR 77) - PROJECT NO. 4MRLCO

FILE NAME: K:\TUC_LA\Projects\098220000.3_Magee Road 4 MRLCO\CADD\Plans\IRRIGATION PLANS 4MRLCO_IRR014.dgn TIME: 6:14:44 PM DATE: 5/7/2013 $USER$

| F.H.W.A. REGION | STATE | PROJECT NO. | SHEET NO. | TOTAL SHEETS | AS BUILT |
|---|---|---|---|---|---|
| 9 | ARIZ. | STP-PPM-0(209)D | 234 | 273 | |

SS693 01C

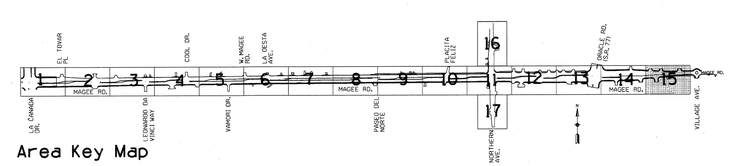



IRRIGATION LEGEND

| IRRIGATION EQUIPMENT SCHEDULE Item #8080001 | | |
|---|---|---|
| SYMBOL DESCRIPTION | SYMBOL DESCRIPTION | SYMBOL DESCRIPTION |
| Controller-Rainbird ESP-LXD 75station,Metal Pedestal<br>A - Pima County - Sta. 452+25<br>B - Oro Valley - Sta.468+50 | Remote Control Valve Assembly Size as shown on Plans. Rainbird Model 100-PEB Valve w/ API Filter Model 4E or Approved Equal. | Brass Gate Valve Size Per Incoming Line |
| FD Field Decoder - FD201TURF - Rainbird | Pressure Regulator - Senninger PR HF 25 | VALVE CALLOUT |
| FD Field Decoder - FD401TURF - Rainbird | FS Flow Sensor - Rainbird FS100B | Tree (T) or Shrub (S) — A-1 Valve I.D. — S 16 Gallons per Minute |
| SP Surge Protector-LSPITURF-every 500'-Rainbird | Mainline - Sch. 40 PVC 2" | |
| MSP Surge Protector - MSP-1 - Rainbird | Submain-Sch.40 PVC 1" (Non Pressurized) | Emitter Assembly (Multi-port, 2 gph, 1 gph) Rainbird XBT-20-6, XBT-10-6 |
| M Meter 1-1/2"-Pima County-Sheet 18-Sta.452+25 Oro Valley-Sheet 113-Sta.477+50 | Lateral - Sch. 40 PVC, 3/4" Size | Emitter Assembly (Single-port, 0.5,1 or 2 gph each) Rainbird Xeri-Bug |
| Reduced Pressure Backflow Preventer Febco 825-Y 2" (or approved equal) | Sleeve - SCH 40 PVC Size as Shown on Plans / Sleeve with Pull Boxes | End Cap |
| Master Valve-Grisworld, model 200-DWS-PRV 2" Valve. (Or Approved Equal.) | | |

V — ITS Line

* Prior to connecting to the existing system the Contractor is to field verify the systems pressure at it's source connection to the Meter and the closest valve and report to the Engineer for review prior to connection.




Area Key Map

20' 0 20' 40'
SCALE: 1"=20'

Scale: 1" = 20' Horiz. 1" = 4' Vert.

Sheet IR15 of 20

Priscilla S. Cornelio, P.E., Director

| No. | Revision Description | Engineer | Date |
|---|---|---|---|
| | | | |

| | | Date |
|---|---|---|
| Designed | K. Furenlid | 07/12 |
| Drawn | K. Furenlid | 10/12 |
| Checked | J. Lyndes | 10/12 |
| Proj. Engr. | | |

Arizona Blue Stake 1-800-STAKE-IT 1-800-782-5348

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Pima County Department of Transportation

IRRIGATION PLANS
STA. 484+00 TO STA. 489+33.99
MAGEE RD.
LA CAÑADA DR. - ORACLE RD. (SR 77)
PROJECT NO. 4MRLCO

MAGEE RD. IMPROVEMENTS - LA CAÑADA DR. TO ORACLE RD. (SR 77) - PROJECT NO. 4MRLCO



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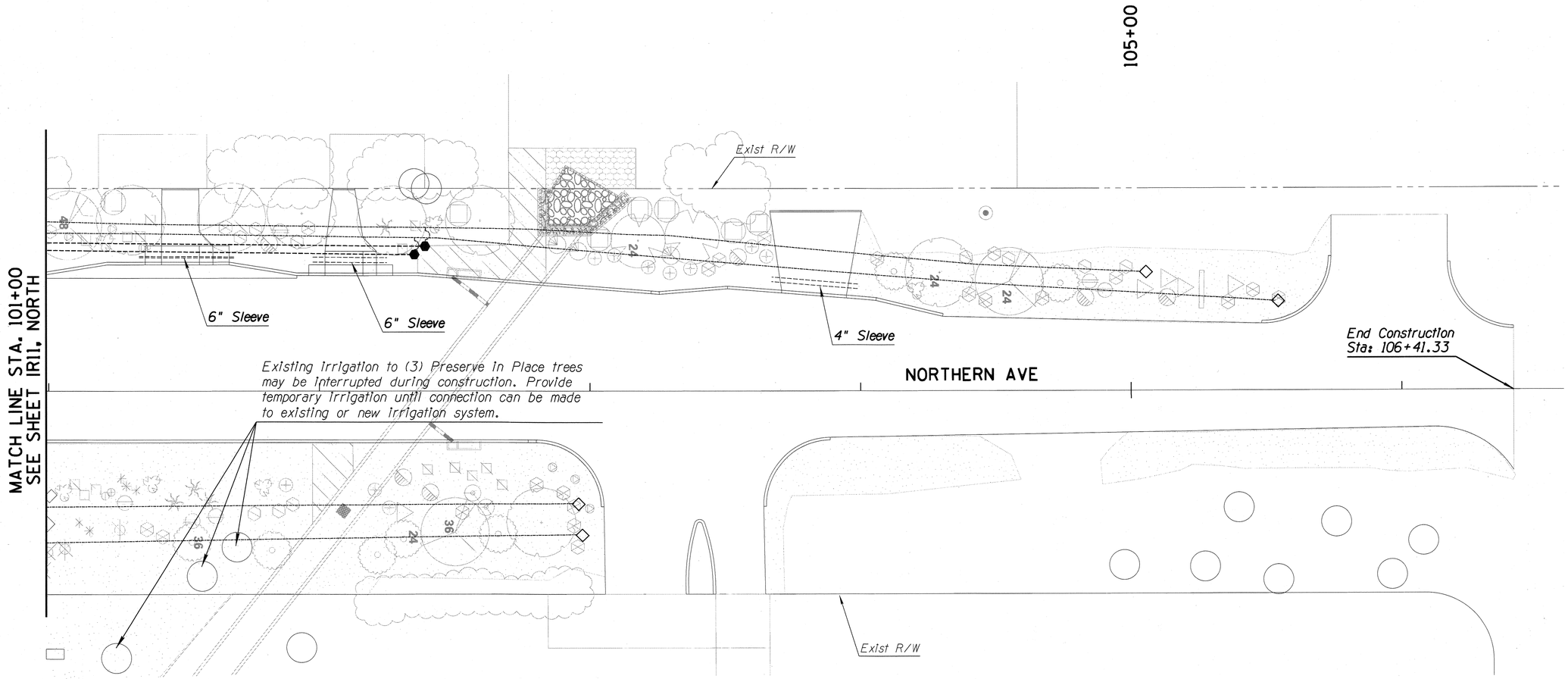
| F.H.W.A. REGION | STATE | PROJECT NO. | SHEET NO. | TOTAL SHEETS | AS BUILT |
|---|---|---|---|---|---|
| 9 | ARIZ. | STP-PPM-0(209)D | 235 | 273 | |

SS693 01C

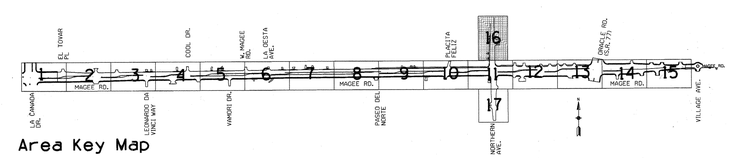



IRRIGATION LEGEND

IRRIGATION EQUIPMENT SCHEDULE Item #8080001

| SYMBOL | DESCRIPTION | SYMBOL | DESCRIPTION | SYMBOL | DESCRIPTION |
|---|---|---|---|---|---|
| C | Controller-Rainbird ESP-LXD 75station,Metal Pedestal<br>A - Pima County - Sta. 452+25<br>B - Oro Valley - Sta.468+50 | | Remote Control Valve Assembly Size as shown on Plans. Rainbird Model 100-PEB Valve w/ APl Filter Model 4E or Approved Equal. | | Brass Gate Valve Size Per Incoming Line |
| FD | Field Decoder - FD201TURF - Rainbird | | Pressure Regulator - Senninger PR HF 25 | | VALVE CALLOUT<br>Tree (T) or Shrub (S) — A-1 — Valve I.D.; S 16 — Gallons per Minute |
| FD4 | Field Decoder - FD401TURF - Rainbird | FS | Flow Sensor - Rainbird FS100B | | |
| SP | Surge Protector-LSP1TURF-every 500'-Rainbird | | Mainline - Sch. 40 PVC 2" | | |
| MSP | Surge Protector - MSP-1 - Rainbird | | Submain-Sch.40 PVC 1" (Non Pressurized) | | Emitter Assembly (Multi-port, 2 gph, 1 gph) Rainbird XBT-20-6, XBT-10-6 |
| M | Meter 1-1/2" Pima County-Sheet 18-Sta.452+25 Oro Valley-Sheet 113-Sta.477+50 | | Lateral - Sch. 40 PVC, 3/4" Size | | Emitter Assembly (Single-port, 0.5,1 or 2 gph each) Rainbird Xerl-Bug |
| | Reduced Pressure Backflow Preventer Febco 825-Y 2" (or approved equal) | | Sleeve - SCH 40 PVC Size as Shown on Plans / Sleeve with Pull Boxes | | End Cap |
| | Master Valve-Grisworld, model 200-DWS-PRV 2" Valve. (Or Approved Equal.) | | | | |

V — ITS Line




Area Key Map

20' 0 20' 40'
SCALE: 1" = 20'

Scale: 1" = 20' Horiz. 1" = 4' Vert.

Sheet IR16 of 20

Priscilla S. Cornelio, P.E., Director

| No. | Revision Description | Engineer | Date |
|---|---|---|---|
| | | | |

| | | Date |
|---|---|---|
| Designed | K. Furenlid | 07/12 |
| Drawn | K. Furenlid | 10/12 |
| Checked | J. Lyndes | 10/12 |
| Proj. Engr. | | |

REGISTERED PROFESSIONAL ARCHITECT
JAMES A. LYNDES
14:31
NOV 13 2012
ARIZONA U.S.A.

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IRRIGATION PLANS
STA. 101+00 TO STA. 106+41.33
MAGEE RD.
LA CAÑADA DR. - ORACLE RD. (SR 77)
PROJECT NO. 4MRLCO

MAGEE RD. IMPROVEMENTS - LA CAÑADA DR. TO ORACLE RD. (SR 77) - PROJECT NO. 4MRLCO



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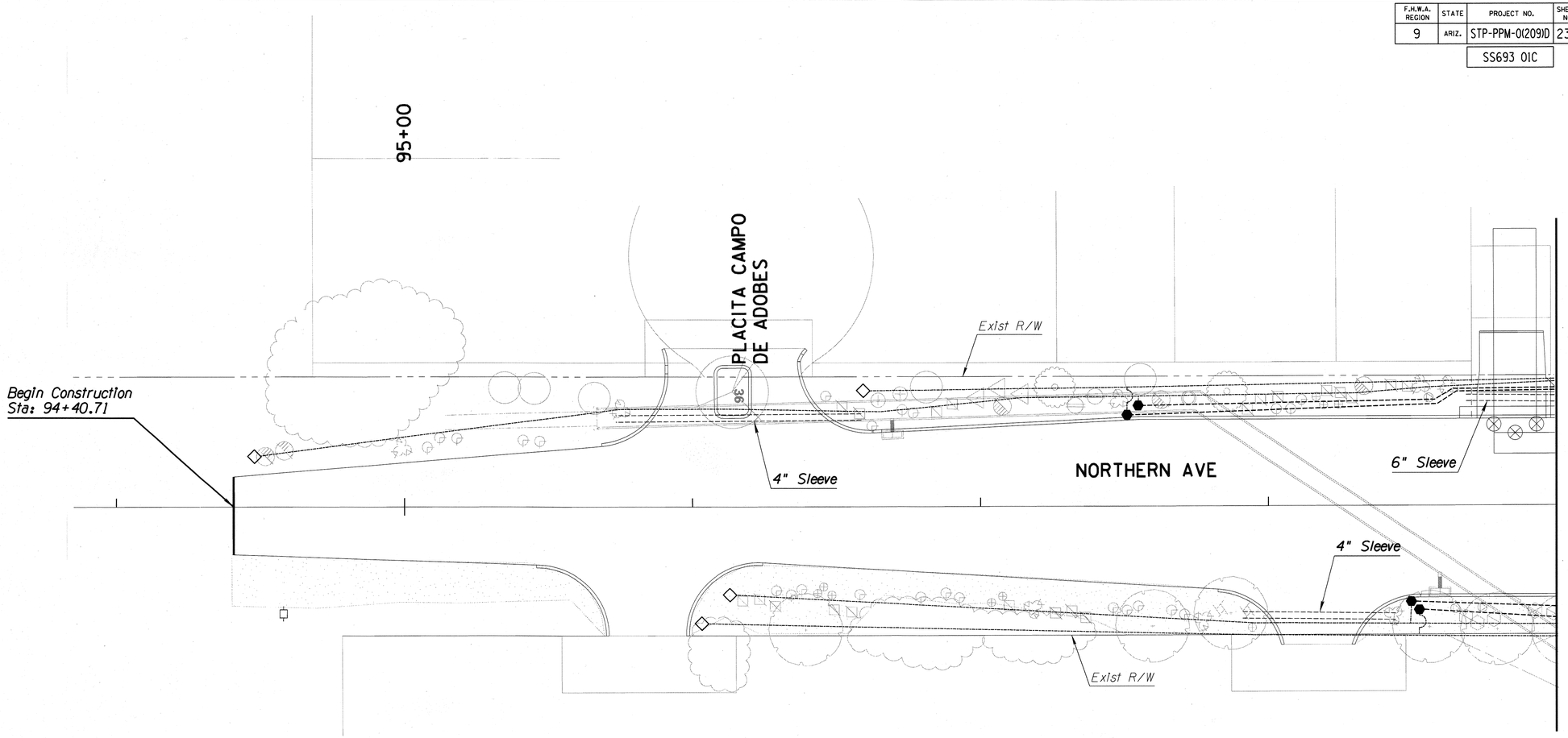
| F.H.W.A. REGION | STATE | PROJECT NO. | SHEET NO. | TOTAL SHEETS | AS BUILT |
|---|---|---|---|---|---|
| 9 | ARIZ. | STP-PPM-0(209)D | 236 | 273 | |

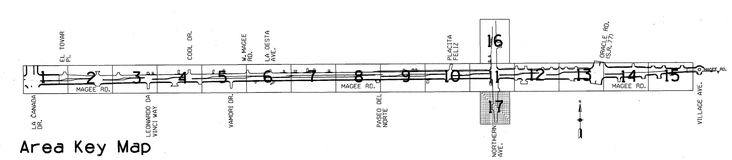
SS693 01C




IRRIGATION LEGEND

| IRRIGATION EQUIPMENT SCHEDULE Item #8080001 | | |
|---|---|---|
| SYMBOL DESCRIPTION | SYMBOL DESCRIPTION | SYMBOL DESCRIPTION |
| Controller-Rainbird ESP-LXD 75station, Metal Pedestal<br>C — A - Pima County - Sta. 452+25<br>B - Oro Valley - Sta.468+50 | Remote Control Valve Assembly Size as shown on Plans. Rainbird Model 100-PEB Valve w/ API Filter Model 4E or Approved Equal. | Brass Gate Valve Size Per Incoming Line |
| FD Field Decoder - FD201TURF - Rainbird | | |
| FD Field Decoder - FD401TURF - Rainbird | Pressure Regulator - Senninger PR HF 25 | VALVE CALLOUT<br>Tree (T) or Shrub (S) — S 16 — Gallons per Minute; A-1 — Valve I.D. |
| SP Surge Protector-LSP1TURF-every 500'-Rainbird | FS Flow Sensor - Rainbird FS100B | |
| MSP Surge Protector - MSP-1 - Rainbird | | |
| M Meter 1-1/2" Pima County-Sheet 18-Sta.452+25<br>Oro Valley-Sheet 113-Sta.477+50 | Mainline - Sch. 40 PVC 2" | |
| Reduced Pressure Backflow Preventer Febco 825-Y 2" (or approved equal) | Submain-Sch.40 PVC 1" (Non Pressurized) | Emitter Assembly (Multi-port, 2 gph, 1 gph) Rainbird XBT-20-6, XBT-10-6 |
| Master Valve-Griswold, model 200-DWS-PRV 2" Valve. (Or Approved Equal.) | Lateral - Sch. 40 PVC, 3/4" Size | Emitter Assembly (Single-port, 0.5,1 or 2 gph each) Rainbird Xeri-Bug |
| | Sleeve - SCH 40 PVC Size as Shown on Plans; Sleeve with Pull Boxes | End Cap |

V — ITS Line




Area Key Map

20' 0 20' 40'
SCALE: 1"=20'

Scale: 1" = 20' Horiz. 1" = 4' Vert. | Sheet IR17 of 20

Priscilla S. Cornelio, P.E., Director

| No. | Revision Description | Engineer | Date |
|---|---|---|---|
| | | | |

| | | Date |
|---|---|---|
| Designed | K. Furenlid | 07/12 |
| Drawn | K. Furenlid | 7/0/12 |
| Checked | J. Lyndes | 7/0/12 |
| Proj. Engr. | | |

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Pima County Department of Transportation

IRRIGATION PLANS
STA. 94+40.71 TO STA. 99+00
MAGEE RD.
LA CAÑADA DR. - ORACLE RD. (SR 77)
PROJECT NO. 4MRLCO

MAGEE RD. IMPROVEMENTS - LA CAÑADA DR. TO ORACLE RD. (SR 77) - PROJECT NO. 4MRLCO



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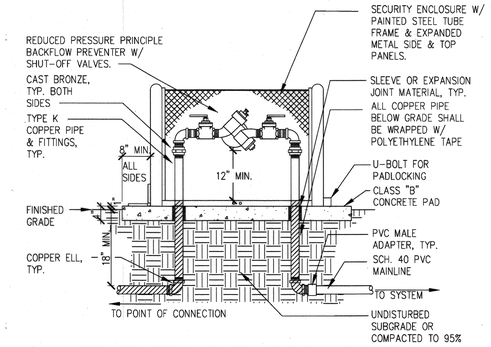
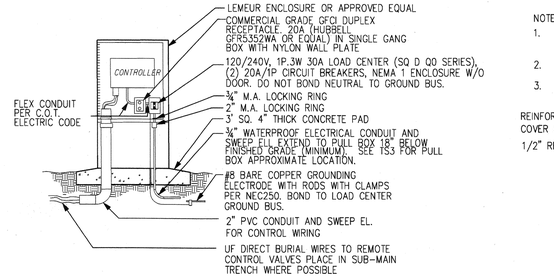
| F.H.W.A. REGION | STATE | PROJECT NO. | SHEET NO. | TOTAL SHEETS | AS BUILT |
|---|---|---|---|---|---|
| 9 | ARIZ. | STP-PPM-0(209)D | 237 | 273 | |

SS693 01C



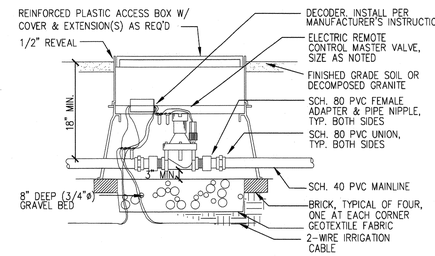

1 REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER IN SECURITY ENCLOSURE
SCALE: N.T.S. I-100



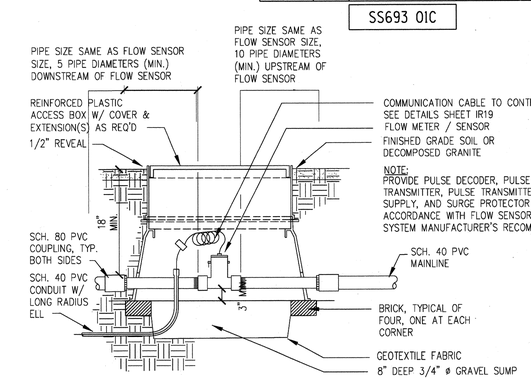

RUN ONE SPARE #14 CONTROL WIRE FROM CONTROLLER TO LAST VALVE AT END OF EACH MAINLINE LEG OF THE PROJECT. PLACE 2' OF COILED WIRE IN PLASTIC VALVE BOX. LABEL BEGINNING AND END OF WIRE "SPARE E CONTROL WIRE", "SPARE W CONTROL WIRE".

2 CONTROLLER & CABINET DETAIL
SCALE: N.T.S.

NOTES:
1. ALL WIRES TO BE INSTALLED PER LOCAL CODE. TAPE AND BUNDLE WIRES EVERY 7'. PROVIDE EXPANSION COIL AT EACH WIRE CONNECTION IN VALVE BOX (WRAP AROUND 1/2" ø PIPE 15 TIMES).
2. COMPACT SOIL AROUND VALVE BOX TO SAME DENSITY AS ADJACENT UNDISTURBED SOIL.
3. ALL THREADED PVC JOINTS SHALL BE WRAPPED WITH TEFLON TAPE.

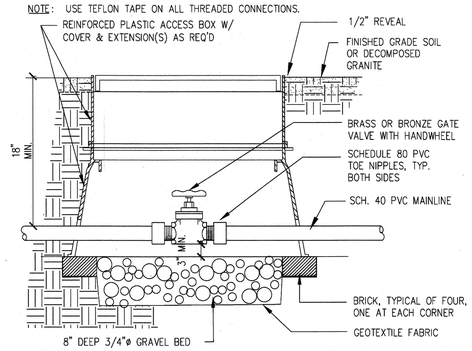



3 MASTER VALVE ASSEMBLY – 2 WIRE SYSTEM
SCALE: N.T.S.



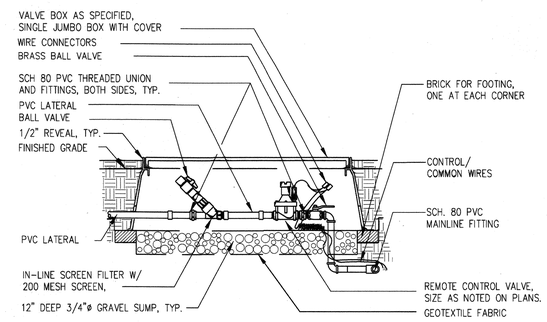

4 FLOW SENSOR ASSEMBLY
SCALE: N.T.S. I-120

NOTE: USE TEFLON TAPE ON ALL THREADED CONNECTIONS.



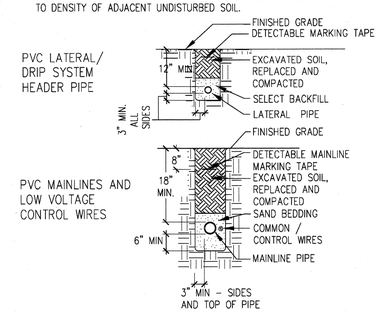

5 MAINLINE ISOLATION (GATE) VALVE (2" TO 4" SIZE)
SCALE: N.T.S. I-117

NOTES:
1. ALL WIRES TO BE INSTALLED PER LOCAL CODE. TAPE AND BUNDLE WIRES EVERY 7'. PROVIDE EXPANSION COIL AT EACH WIRE CONNECTION IN VALVE BOX (WRAP AROUND 1/2" DIA. PIPE 15 TIMES).
2. COMPACT SOIL AROUND VALVE BOX TO SAME DENSITY AS ADJACENT UNDISTURBED SOIL.
3. ALL THREADED PVC JOINTS SHALL BE WRAPPED WITH TEFLON TAPE.



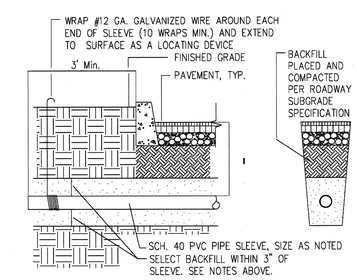

7 REMOTE CONTROL VALVE ASSEMBLY – DRIP ZONE
SCALE: N.T.S.

NOTES:
1. SELECT BACKFILL SHALL BE SAND OR SOIL FREE OF ROCKS AND STONES LARGER THAN 1/4" DIA.
2. BACKFILL MATERIAL SHALL BE WATERED IN AND COMPACTED TO DENSITY OF ADJACENT UNDISTURBED SOIL.



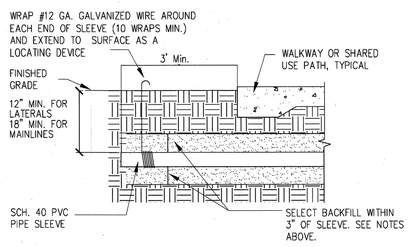

7 PIPE TRENCHING AND BACKFILL – MAINLINES, LATERALS & MARKING TAPE
SCALE: N.T.S. I-104

NOTE: BACKFILL WITHIN 3" OF SLEEVE SHALL BE FREE OF ROCKS AND STONES LARGER THAN 1/4"ø. IF ROCK CANNOT BE REMOVED FROM EXCAVATED SOIL, PROVIDE CLEAN SAND BEDDING.

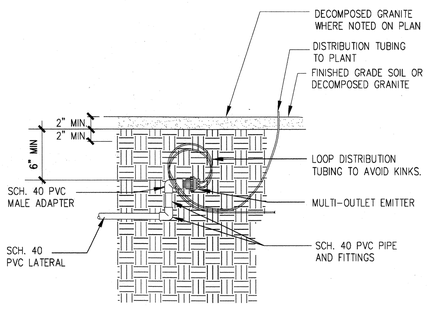



8 SLEEVE UNDER STREET OR PARKING LOT
SCALE: N.T.S. I-105

NOTES:
1. SLEEVES UNDER WALKWAYS SHALL BE SCHEDULE 40 PVC PIPE. SIZE SHALL BE AS NOTED ON PLANS.
2. BACKFILL WITHIN 3" OF SLEEVE SHALL BE FREE OF ROCKS AND STONES LARGER THAN 1/4" DIA. IF ROCK CANNOT BE REMOVED FROM EXCAVATED SOIL, PROVIDE CLEAN SAND BEDDING.

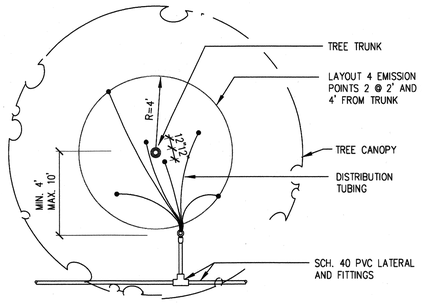



9 SLEEVE UNDER WALKWAY OR SHARED USE PATH
SCALE: N.T.S. I-106



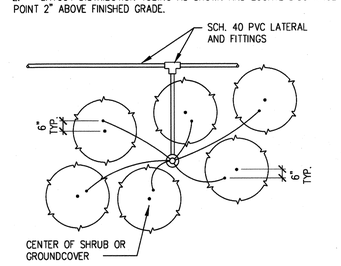

10 MULTI OUTLET EMITTER – SIX OUTLET
SCALE: N.T.S.

NOTE:
1. LAYOUT DISTRIBUTION TUBING AS SHOWN AND LOCATE DISCHARGE POINT ±2" ABOVE FINISHED GRADE.
2. MAXIMUM LENGTH OF DISTRIBUTION TUBING TO BE 15'.




11 EMITTER DISTRIBUTION TUBING LAYOUT AT TREE – SIX OUTLET
SCALE: N.T.S. I-109

NOTES:
1. LENGTH OF DISTRIBUTION TUBING SHALL NOT EXCEED 12'-0".
2. LAYOUT DISTRIBUTION TUBING AS SHOWN AND LOCATE DISCHARGE POINT 2" ABOVE FINISHED GRADE.




12 EMITTER DISTRIBUTION TUBING LAYOUT AT SHRUBS
SCALE: N.T.S. I-110

| Scale: | NTS | Sheet IR18 of 20 |
|---|---|---|

Priscilla S. Cornelio, P.E., Director

| No. | Revision Description | Engineer | Date |
|---|---|---|---|
| | | | |

| | | Date |
|---|---|---|
| Designed | K. Furenlid | 07/12 |
| Drawn | K. Furenlid | 07/12 |
| Checked | J. Lyndes | 07/12 |
| Proj. Engr. | | |

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Arizona Blue Stake 1-800-STAKE-IT 1-800-782-5348

Pima County Department of Transportation
IRRIGATION DETAILS
MAGEE RD. LA CAÑADA DR. - ORACLE RD. (SR 77) PROJECT NO. 4MRLCO

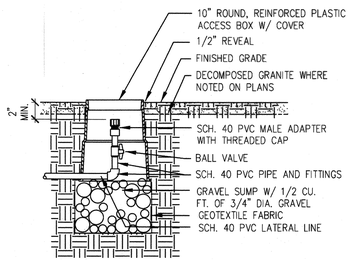
MAGEE RD. IMPROVEMENTS - LA CAÑADA DR. TO ORACLE RD. (SR 77) - PROJECT NO. 4MRLCO



FILE NAME: K:\TUC_LA\Projects\098220000.3_Magee Road 4 MRLCO\CADD\Plans\IRRIGATION PLANS\4MRLCO_IRR018.dwg DATE: 5/17/2013 TIME: 6:14:50 PM $USER$

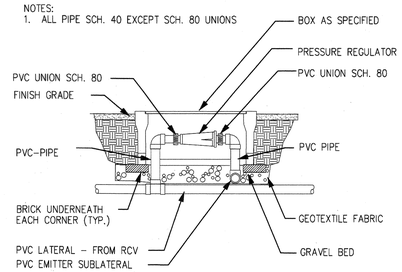
| F.H.W.A. REGION | STATE | PROJECT NO. | SHEET NO. | TOTAL SHEETS | AS BUILT |
|---|---|---|---|---|---|
| 9 | ARIZ. | STP-PPM-0(209)D | 238 | 273 | |

SS693 01C

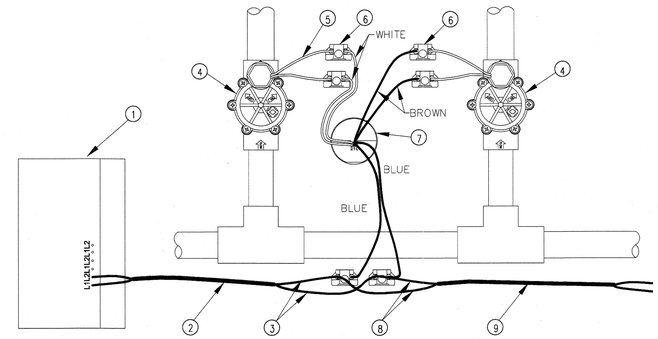



13 EMITTER LINE FLUSH CAP IN ACCESS BOX
SCALE: N.T.S. I-111

NOTES:
1. ALL PIPE SCH. 40 EXCEPT SCH. 80 UNIONS



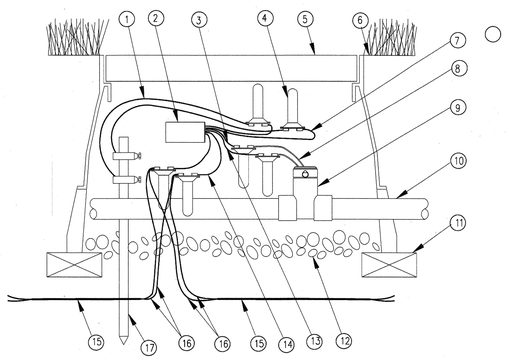

14 PRESSURE REGULATOR ASSEMBLY
SCALE: N.T.S.




1. TWO-WIRE DECODER CONTROLLER: RAIN BIRD ESP-LXD
2. TWO-WIRE CABLE TO ESP-LXD CONTROLLER
3. COMMUNICATION WIRE TO ESP-LXD CONTROLLER
4. SOLENOID VALVE OR MASTER VALVE (1 OF 2)
5. SOLENOID WIRE (1 OF 4)
6. DB SERIES WIRE CONNECTOR: RAIN BIRD DBTWC25 (1 OF 6)
7. FIELD DECODER: RAIN BIRD FD-202TURF M13005 DECODER
8. COMMUNICATION WIRE TO NEXT DEVICE (FIELD DECODER, SENSOR DECODER OR LINE SURGE PROTECTOR)
9. TWO-WIRE CABLE TO NEXT DEVICE (FIELD DECODER, SENSOR DECODER OR LINE SURGE PROTECTOR)

NOTE:
1. MAXIMUM LENGTH OF SECONDARY WIRE PATH (14 AWG) FROM DECODER TO SOLENOID IS 450 FEET.

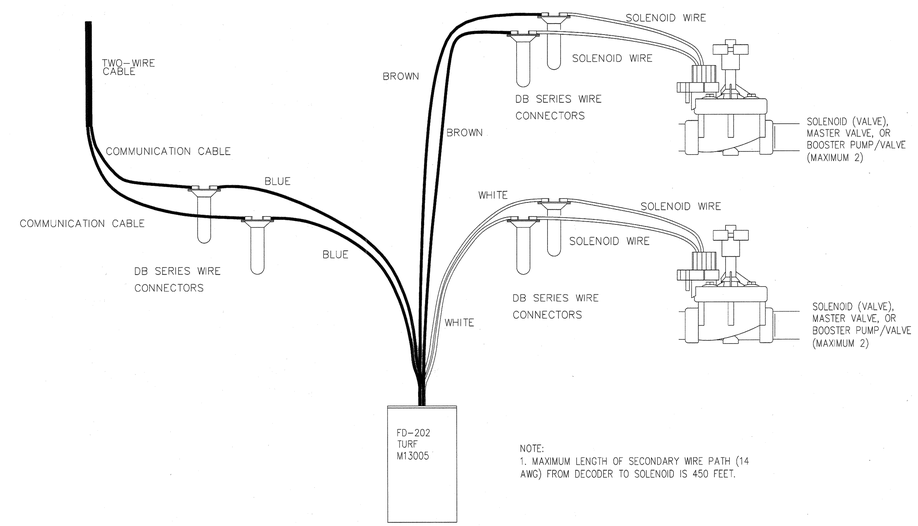
15 FD-202TURF DECODER WIRING TO VALVES AND CONTROLLER
SCALE: N.T.S.




1. GREEN/YELLOW WIRE FROM SD-210TURF TO GROUNDING ROD BRASS CLAMP (1 OF 2)
2. SENSOR DECODER: RAIN BIRD SD-210TURF M13009 SENSOR DECODER
3. RED WIRE FROM SD-210TURF TO FLOW SENSOR
4. DB SERIES WIRE CONNECTOR: RAIN BIRD DBTWC25 (1 OF 6)
5. 12-INCH VALVE BOX WITH COVER: RAIN BIRD VB-STD
6. FINISH GRADE OR TOP OF MULCH
7. GROUND WIRE FROM SD-210TURF TO DB SERIES WIRE CONNECTOR (1 OF 2)
8. FLOW SENSOR WIRE (1 OF 2)
9. FLOW SENSOR
10. PVC MAINLINE PIPE
11. BRICK (1 OF 4)
12. 3-INCH MINIMUM DEPTH OF 3/4-INCH WASHED GRAVEL
13. BLACK WIRE FROM SD-210TURF TO FLOW SENSOR
14. BLUE WIRE FROM SD-210TURF (1 OF 2)
15. TWO-WIRE CABLE TO NEXT DEVICE (FIELD DECODER, SENSOR DECODER, LINE SURGE PROTECTOR OR ESP-LXD CONTROLLER)
16. COMMUNICATION WIRE TO NEXT DEVICE (FIELD DECODER, SENSOR DECODER, LINE SURGE PROTECTOR, OR ESP-LXD CONTROLLER)
17. GROUNDING ROD

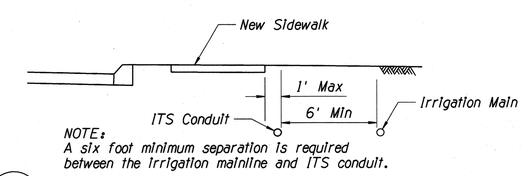
NOTES:
1. MAXIMUM LENGTH OF SECONDARY WIRE PATH (14AWG) FROM DECODER TO RELAY IS 450 FEET.
2. PLACE 3-FEET OF EXTRA WIRE IN VALVE BOX FOR EASY SERVICING.
3. IN A SITE CONTROL DECODER SYSTEM A PULSE TRANSMITTER (PT322) SHOULD BE INSTALLED BETWEEN THE SENSOR DECODER AND THE FLOW SENSOR. THIS IS NOT NEEDED IN AN ESP-LXD CONTROLLER SYSTEM.
4. GROUNDING SHOULD BE TO 10 OHMS OR LESS.

16 SENSOR DECODER AND FLOW SENSOR
SCALE: N.T.S.




NOTE:
1. MAXIMUM LENGTH OF SECONDARY WIRE PATH (14 AWG) FROM DECODER TO SOLENOID IS 450 FEET.

18 FD-202TURF DECODER WIRING DIAGRAM
SCALE: N.T.S.




NOTE:
A six foot minimum separation is required between the Irrigation mainline and ITS condult.

17 TYPICAL CONDUIT SPACING DETAIL

Priscilla S. Cornelio, P.E., Director

| No. | Revision Description | Engineer | Date |
|---|---|---|---|
| | | | |

| | | Date |
|---|---|---|
| Designed | K. Furenlid | 07/12 |
| Drawn | K. Furenlid | 10/12 |
| Checked | J. Lyndes | 10/12 |
| Proj. Engr. | | |

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Arizona Blue Stake 1-800-STAKE-IT 1-800-782-5348

Pima County Department of Transportation

IRRIGATION DETAILS

MAGEE RD. LA CAÑADA DR. - ORACLE RD. (SR 77) PROJECT NO. 4MRLCO

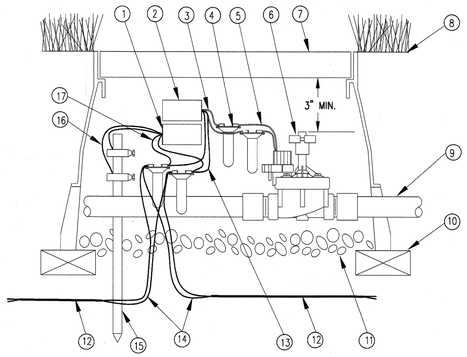
MAGEE RD. IMPROVEMENTS - LA CAÑADA DR. TO ORACLE RD. (SR 77) - PROJECT NO. 4MRLCO

Scale: NTS | Sheet IRI9 of 20 | Page 238 of 273

FILE NAME: K:\TUC_LA\Projects\098220000.3_Magee Road 4 MRLCO\CADD\Plans\IRRIGATION PLANS\4MRLCO_IRR019_details.dwg DATE: 6/17/2013 TIME: 6:14:52 PM $USER$

| F.H.W.A. REGION | STATE | PROJECT NO. | SHEET NO. | TOTAL SHEETS | AS BUILT |
|---|---|---|---|---|---|
| 9 | ARIZ. | STP-PPM-0(209)D | 239 | 273 | |

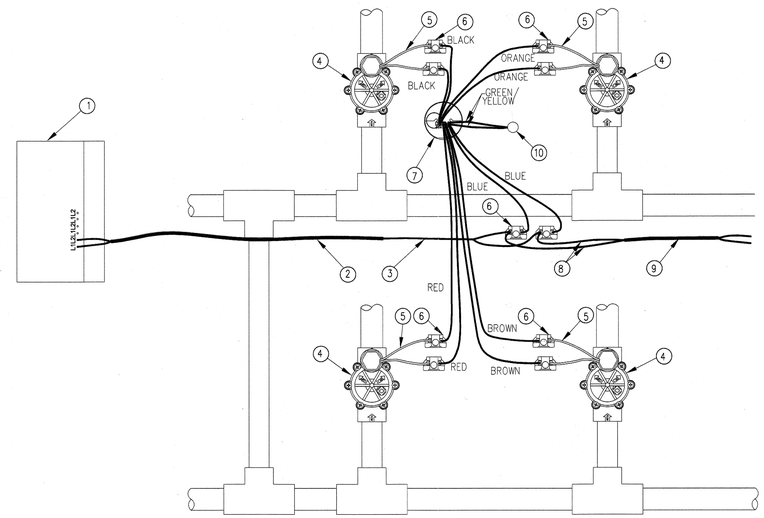
SS693 01C




NOTES:
1. LSP-1TURF SHOULD BE INSTALLED EVERY 500-FEET OR FOR EVERY EIGHT DECODERS ON TWO-WIRE PATH.
2. MAXIMUM LENGTH OF SECONDARY WIRE PATH (14 AWG) FROM DECODER TO SOLENOID IS 450 FEET.
3 PLACE 3 FEET OF EXTRA WIRE IN EVERY VALVE BOX FOR EASIER SERVICING.
4. RAIN BIRD FD-401TURF AND FD-601TURF FIELD DECODERS COME WITH LSP-1TURF'S BUILT-IN. FD-101TURF, FD-102TURF AND FD-202TURF REQUIRE SEPARATE LSP-1TURF SURGE PROTECTION.

1. LINE SURGE PROTECTOR: RAIN BIRD LSP-1TURF M10008
2. FIELD DECODER (WITHOUT LINE SURGE PROTECTION: RAIN BIRD FD-101TURF, FD-102TURF OR FD-202TURF FIELD DECODER
3. WHITE WIRE FROM FIELD DECODER (1 OF 2)
4. DB SERIES WIRE CONNECTOR: RAIN BIRD DBTWC25 (1 OF 4)
5. SOLENOID WIRE (1 OF 2)
6. RAIN BIRD REMOTE CONTROL VALVE
7. 12-INCH VALVE BOX WITH COVER: RAIN BIRD VB-STD
8. FINISH GRADE OR TOP OF MULCH
9. PVC MAINLINE PIPE
10. BRICK (1 OF 4)
11. 3-INCH MINIMUM DEPTH OF 3/4-INCH WASHED GRAVEL
12. TWO-WIRE CABLE TO NEXT DEVICE (FIELD DECODER, SENSOR DECODER, LINE SURGE PROTECTOR OR ESP-LXD CONTROLLER)
13. BLUE WIRE FROM FIELD DECODER
14. COMMUNICATION WIRE TO NEXT DEVICE (FIELD DECODER, SENSOR DECODER, LINE SURGE PROTECTOR OR ESP-LXD CONTROLLER)
15. GROUNDING ROD: 10 OHMS OR LESS
16. GREEN/YELLOW WIRE FROM LSP-1TURF TO BRASS CLAMPS ON GROUNDING ROD (1 OF 2)
17. BLUE WIRE FROM LSP-1TURF

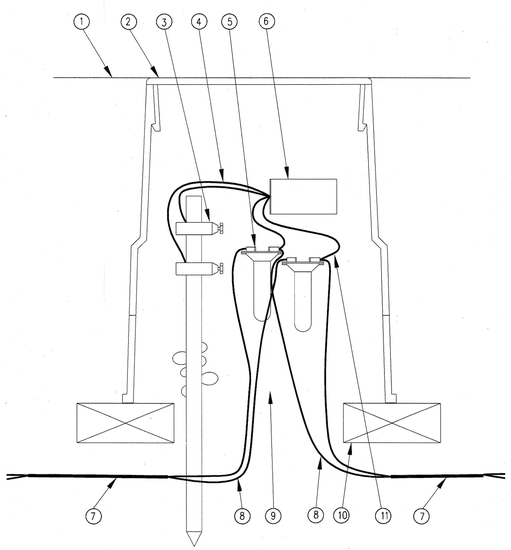
## 19 LSP-1TURF AND FIELD DECODER CONNECTION




1. TWO-WIRE DECODER CONTROLLER: RAIN BIRD ESP-LXD
2. TWO-WIRE CABLE TO ESP-LXD CONTROLLER
3. COMMUNICATION WIRE TO ESP-LXD CONTROLLER
4. SOLENOID VALVE OR MASTER VALVE (1 OF 4)
5. SOLENOID WIRE (1 OF 8)
6. DB SERIES WIRE CONNECTOR: RAIN BIRD DBTWC25 (1 OF 10)
7. FIELD DECODER: RAIN BIRD FD-401TURF M13006 DECODER
8. COMMUNICATION WIRE TO NEXT DEVICE (FIELD DECODER, SENSOR DECODER, OR LSP-1TURF IF MORE THAN 500' BETWEEN DECODERS)
9. TWO-WIRE CABLE TO NEXT DEVICE (FIELD DECODER, SENSOR DECODER, OR LSP-1TURF IF MORE THAN 500' BETWEEN DECODERS)
10. GROUNDING ROD: 10 OHMS OR LESS

NOTES:
1. MAXIMUM LENGTH OF SECONDARY WIRE PATH (14 AWG) FROM FIELD DECODER TO SOLENOID IS 450 FEET.
2. FD-401TURF COMES WITH BUILT-IN LSP-1TURF SURGE PROTECTOR. REFER TO LSP-1TURF WIRING DIAGRAM FOR GROUNDING INSTRUCTIONS.

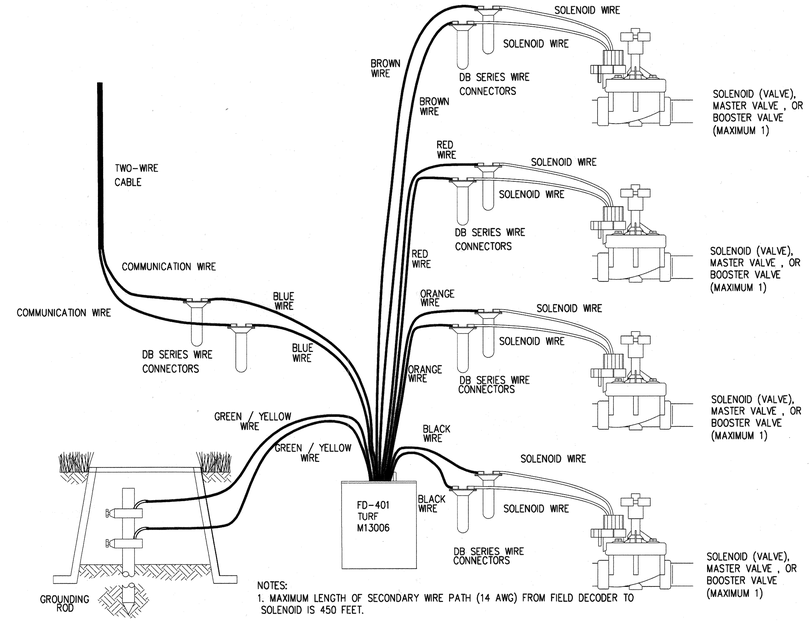
## 20 FD-401TURF DECODER WIRING TO VALVES AND CONTROLLER



1. FINISH GRADE OR TOP OF MULCH
2. 10-INCH VALVE BOX WITH COVER: RAIN BIRD VB-10RND
3. GROUNDING ROD: 10 OHMS OR LESS
4. GREEN/YELLOW WIRE FROM LSP-1TURFTURF TO GROUNDING ROD BRASS CLAMPS (1 OF 2)
5. DB SERIES WIRE CONNECTOR: RAIN BIRD DBTWC25 (1 OF 2)
6. LINE SURGE PROTECTOR: RAIN BIRD LSP-1TURF M10008
7. TWO-WIRE CABLE TO NEXT DEVICE (FIELD DECODER, SENSOR DECODER, LINE SURGE PROTECTOR OR ESP-LXD CONTROLLER)
8. COMMUNICATION WIRE TO NEXT DEVICE (FIELD DECODER, SENSOR DECODER, LINE SURGE PROTECTOR OR ESP-LXD CONTROLLER)
9. 3-INCH MINIMUM DEPTH OF 3/4-INCH WASHED GRAVEL
10. BRICK (1 OF 2)
11. BLUE WIRE FROM LSP-1TURF TO DB SERIES WIRE CONNECTOR

NOTES:
1. LSP-1TURF SHOULD BE INSTALLED EVERY 500-FEET OR FOR EVERY EIGHT DECODERS ON TWO-WIRE PATH.
2. LSP-1TURF TO BE INSTALLED AT END OF WIRE RUN THAT TERMINATES IN THE FIELD (STAR CONFIGURATION).
3. RAIN BIRD FD-401TURF AND FD-601TURF FIELD DECODERS COME WITH LSP-1TURF'S BUILT-IN. FD-101TURF, FD-102TURF AND FD-202TURF REQUIRE SEPARATE LSP-1TURF PROTECTION.

## 21 CONNECTING AN LSP-1TURF TO 2-WIRE PATH




NOTES:
1. MAXIMUM LENGTH OF SECONDARY WIRE PATH (14 AWG) FROM FIELD DECODER TO SOLENOID IS 450 FEET.
2. FD-401TURF COMES WITH A BUILT-IN LSP-1TURF SURGE PROTECTOR. REFER TO LSP-1TURF WIRING DIAGRAM FOR GROUNDING INSTRUCTIONS.
3. GROUNDING SHOULD BE 10 OHMS OR LESS.

## 22 FD-401TURF DECODER WIRING DIAGRAM

| Scale: | NTS | Sheet IR20 of 20 |
|---|---|---|

Priscilla S. Cornelio, P.E., Director

| No. | Revision Description | Engineer | Date |
|---|---|---|---|
| | | | |

| | | Date |
|---|---|---|
| Designed | K. Furenlid | 07/12 |
| Drawn | K. Furenlid | 10/12 |
| Checked | J. Lyndes | 10/12 |
| Proj. Engr. | | |

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Call at least two full business days before you dig

Pima County Department of Transportation

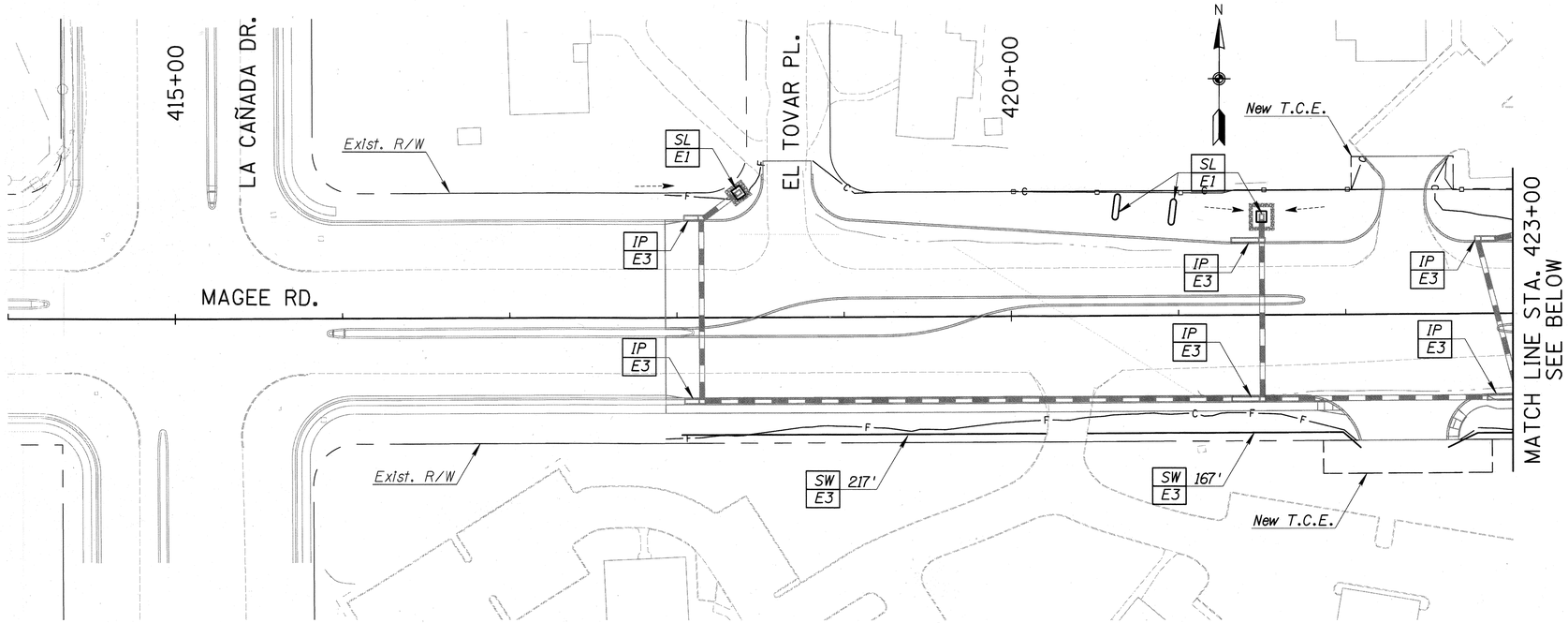
IRRIGATION DETAILS

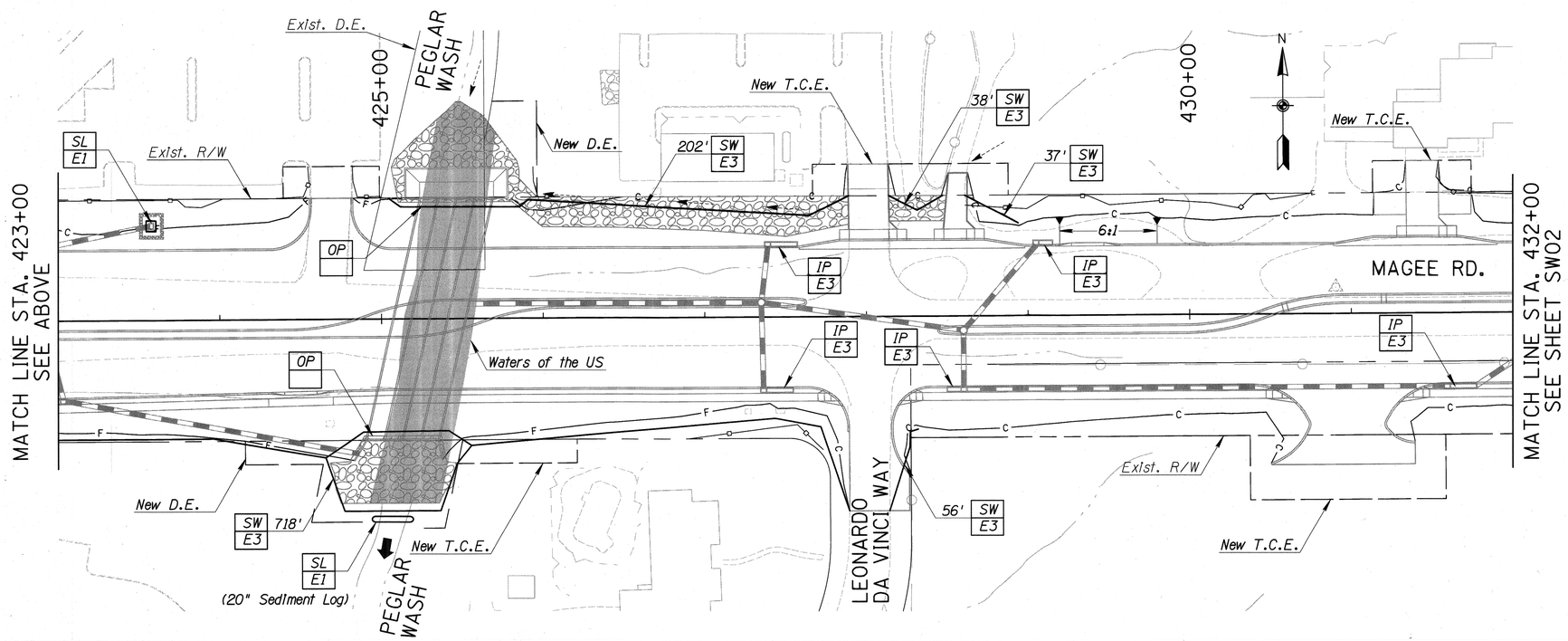
MAGEE RD.
LA CAÑADA DR. - ORACLE RD. (SR 77)
PROJECT NO. 4MRLCO

MAGEE RD. IMPROVEMENTS - LA CAÑADA DR. TO ORACLE RD. (SR 77) - PROJECT NO. 4MRLCO



FILE NAME: K:\TUC_LA\Projects\098220000.3_Magee Road 4 MRLCO\CADD\Plans\IRRIGATION PLANS\MRLCO_IRR020.dwg DATE: 6/17/2013 TIME: 6:14:53 PM $USER$




| F.H.W.A. REGION | STATE | PROJECT NO. | SHEET NO. | TOTAL SHEETS | AS BUILT |
|---|---|---|---|---|---|
| 9 | ARIZ. | STP-PPM-0(209)D | 240 | 273 | |

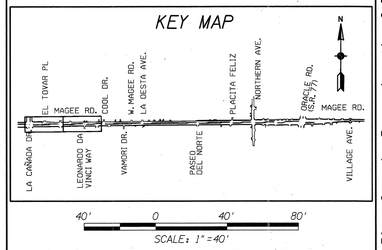
SS693 01C

Notes:

1. All Slopes Are 4:1 Unless Otherwise Noted
2. Refer To BMP Detail & Drawing Sheets For Installation Included As Appendix B Of This SWPPP
3. For Hydroseeding See Landscape Plans
4. Use Stabilized Construction Entrance At Staging Areas. See Detail TC1/C2
5. For Preservation Fencing, See Demolition Plans
6. Riprap Shown Is For Reference Only And Part Of Final Stabilization. See Detail DD11
7. Sediment Wattle Shall Be Installed On Cut And Fill Slopes As Drawn In SWPP Plans And Per Detail E3. Slopes Requiring The Installation Of Rock Riprap Armoring As Drawn In Storm Drain Plan Shall Have Sediment Wattles In Place Between Time Of Initial Disturbance And Installation Of Armoring
8. Culvert Headwall and Drop Inlet Locations Requiring Rock Riprap Armoring Shall Have Rock Riprap Installed Immediately Per Sheets DP01-DP06. If Armoring Is Not In Place, Sediment Wattles Must Be Installed Between Time Of Initial Disturbance And Installation Of Armoring Per Detail E3

| Sym | Treatment | Qty/Sheet |
|---|---|---|
| | E1-Sediment Logs (SL) | 130 L.F. |
| | E3-Sediment Wattle (SW) | 1435 L.F. |
| | E3-Inlet Protection (IP) | 188 L.F. |
| | Outlet Protection (OP) | SEE NOTE 6 |
| | Preservation Fencing | |
| | Drainage Exit Point | |
| | Riprap | |
| | Direction of Flow | |

KEY MAP




| No. | Revision Description | Engineer | Date |
|---|---|---|---|
| | | | |

| | | Date |
|---|---|---|
| Designed | MDC/JDB/BGN | 12/12 |
| Drawn | MDC/JDB/BGN | 12/12 |
| Checked | JDS | 12/12 |
| Proj. Engr. | AJH | 12/12 |

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SWPPP

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PROJECT NO. 4MRLCO

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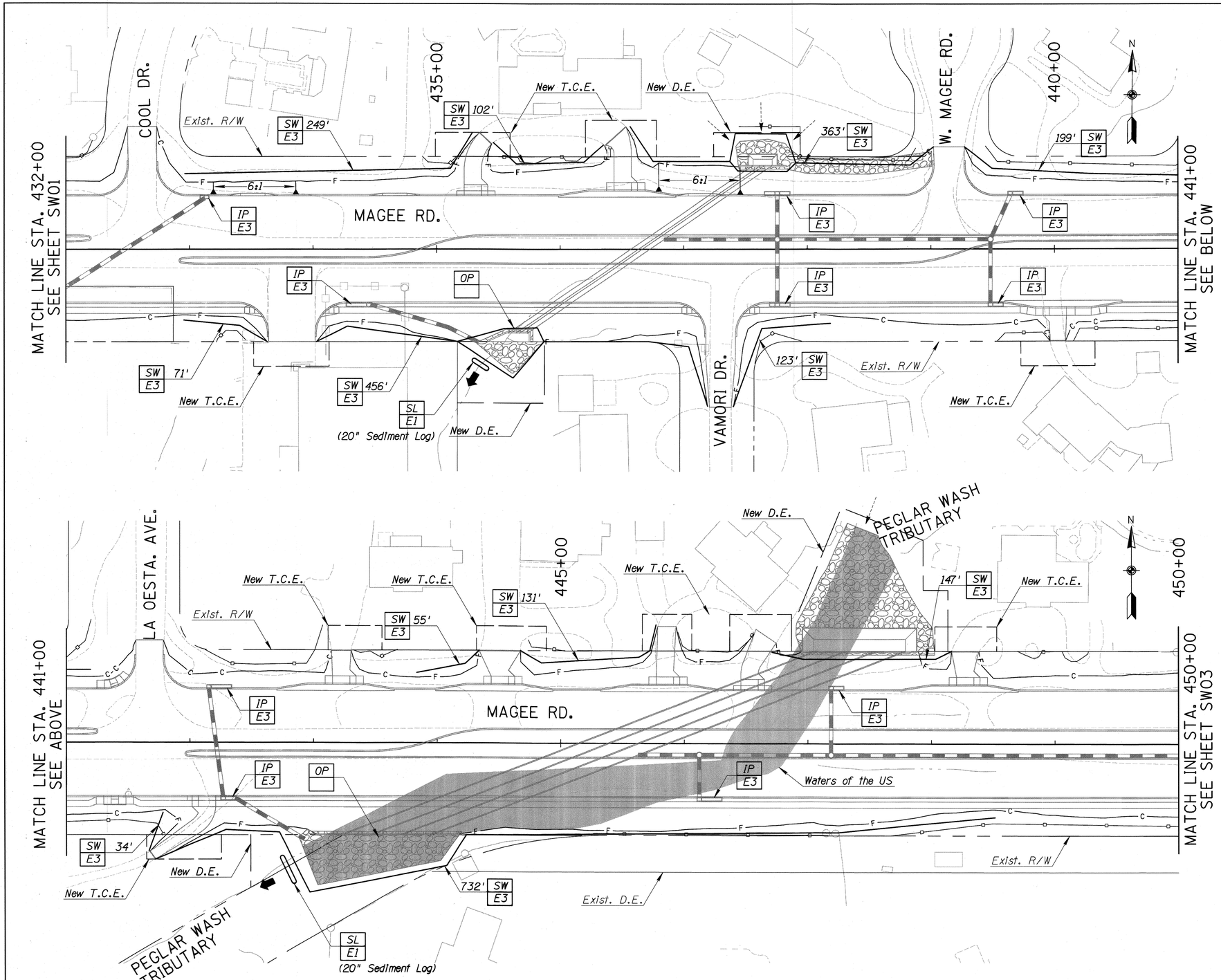
Scale: 1"= 40' Horiz. | Sheet SW01 of SW08



FILE NAME: S:\10-077 Magee Road\C1v11\CADD\SW\4MRLCO_SW01.dgn DATE: 12/27/12 TIME: 2:54:00 PM aherrera




| F.H.W.A. REGION | STATE | PROJECT NO. | SHEET NO. | TOTAL SHEETS | AS BUILT |
|---|---|---|---|---|---|
| 9 | ARIZ. | STP-PPM-0(209)D | 241 | 273 | |

Notes: SS693 01C

1. All Slopes Are 4:1 Unless Otherwise Noted
2. Refer To BMP Detail & Drawing Sheets For Installation Included As Appendix B Of This SWPPP
3. For Hydroseeding See Landscape Plans
4. Use Stabilized Construction Entrance At Staging Areas. See Detail TC1/C2
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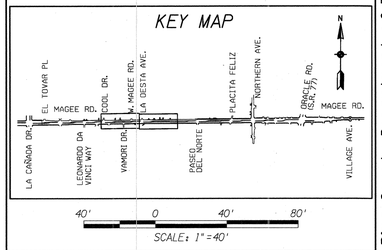
8. Culvert Headwall and Drop Inlet Locations Requiring Rock Riprap Armoring Shall Have Rock Riprap Installed Immediately Per Sheets DP01-DP06. If Armoring Is Not In Place, Sediment Wattles Must Be Installed Between Time Of Initial Disturbance And Installation Of Armoring Per Detail E3

| Sym | Treatment | Qty/Sheet |
|---|---|---|
| | E1-Sediment Logs (SL) | 35 L.F. |
| | E3-Sediment Wattle (SW) | 2662 L.F. |
| | E3-Inlet Protection (IP) | 156 L.F. |
| | Outlet Protection (OP) | SEE NOTE 6 |
| | Preservation Fencing | |
| | Drainage Exit Point | |
| | Riprap | |
| | Direction of Flow | |

KEY MAP




| No. | Revision Description | Engineer | Date |
|---|---|---|---|
| | | | |

| | | Date |
|---|---|---|
| Designed | MDC/JDB/BGN | 12/12 |
| Drawn | MDC/JDB/BGN | 12/12 |
| Checked | JDS | 12/12 |
| Proj. Engr. | A.H | 12/12 |

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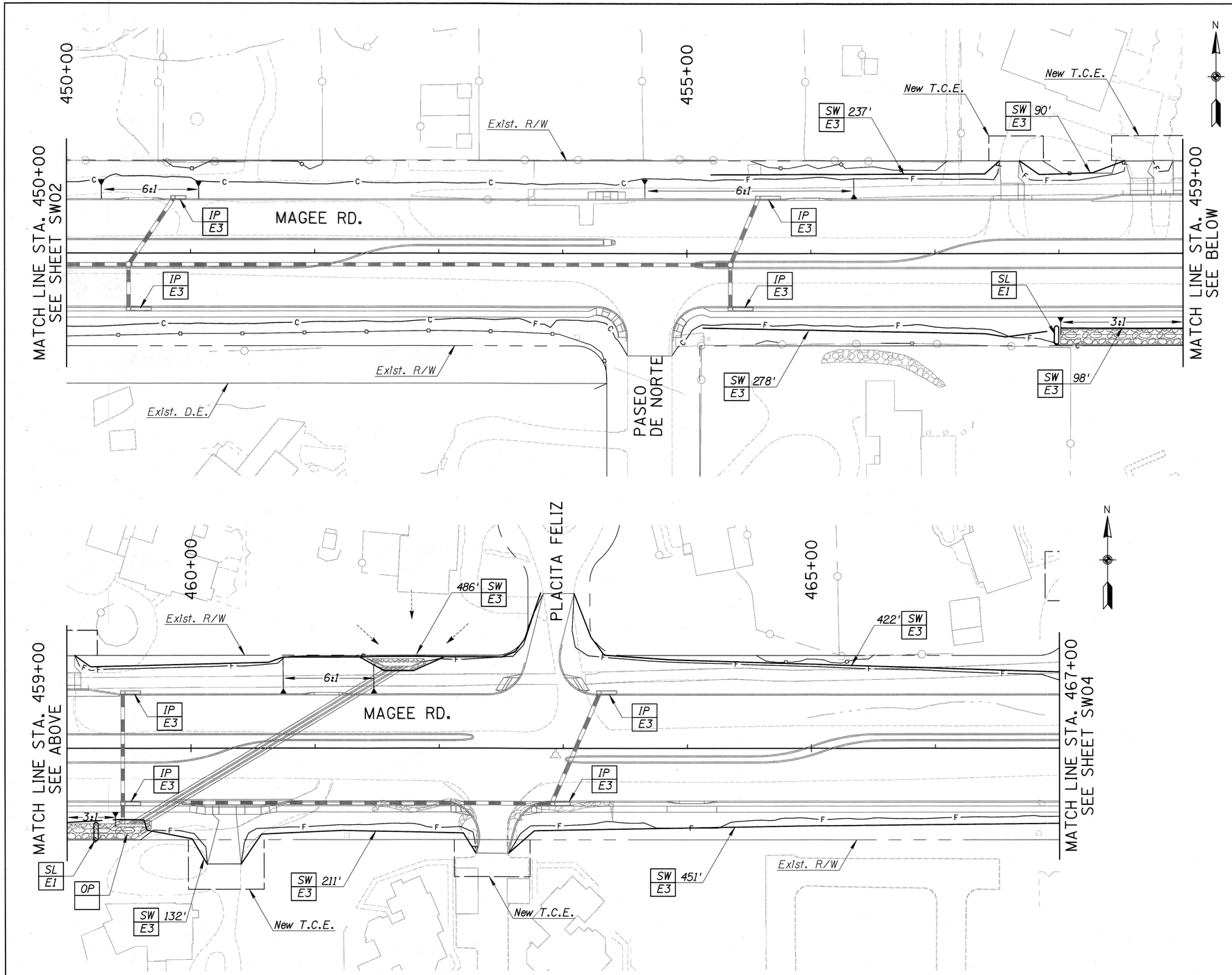
MAGEE RD. IMPROVEMENTS - LA CAÑADA DR. TO ORACLE RD. (SR 77) - PROJECT NO. 4MRLCO

Scale: 1"= 40' Horiz. | Sheet SW02 of SW08 | Page 241 of 273

FILE NAME: s:\10-077 magee road\civil\cadd\sw\4MRLCO_SW02.dgn DATE: 12/27/12 TIME: 6:58:05 PM aherrera




| F.H.W.A. REGION | STATE | PROJECT NO. | SHEET NO. | TOTAL SHEETS | AS BUILT |
|---|---|---|---|---|---|
| 9 | ARIZ. | STP-PPM-0(209)D | 242 | 273 | |

SS693 01C

Notes:

1. All Slopes Are 4:1 Unless Otherwise Noted
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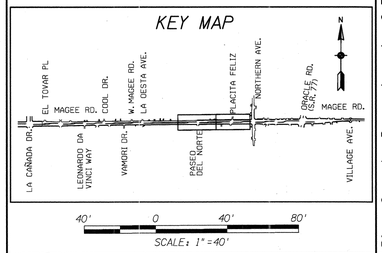
| Sym | Treatment | Qty/Sheet |
|---|---|---|
| | E1-Sediment Logs (SL) | 32 L.F. |
| | E3-Sediment Wattle (SW) | 2405 L.F. |
| | E3-Inlet Protection (IP) | 152 L.F. |
| | Outlet Protection (OP) | SEE NOTE 6 |
| | Preservation Fencing | |
| | Drainage Exit Point | |
| | Riprap | |
| | Direction of Flow | |

KEY MAP

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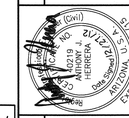
| Designed | MDC/JDB/BGN | 12/12 |
|---|---|---|
| Drawn | MDC/JDB/BGN | 12/12 |
| Checked | JDS | 12/12 |
| Proj. Engr. | AJH | 12/12 |

| No. | Revision Description | Engineer | Date |
|---|---|---|---|
| | | | |

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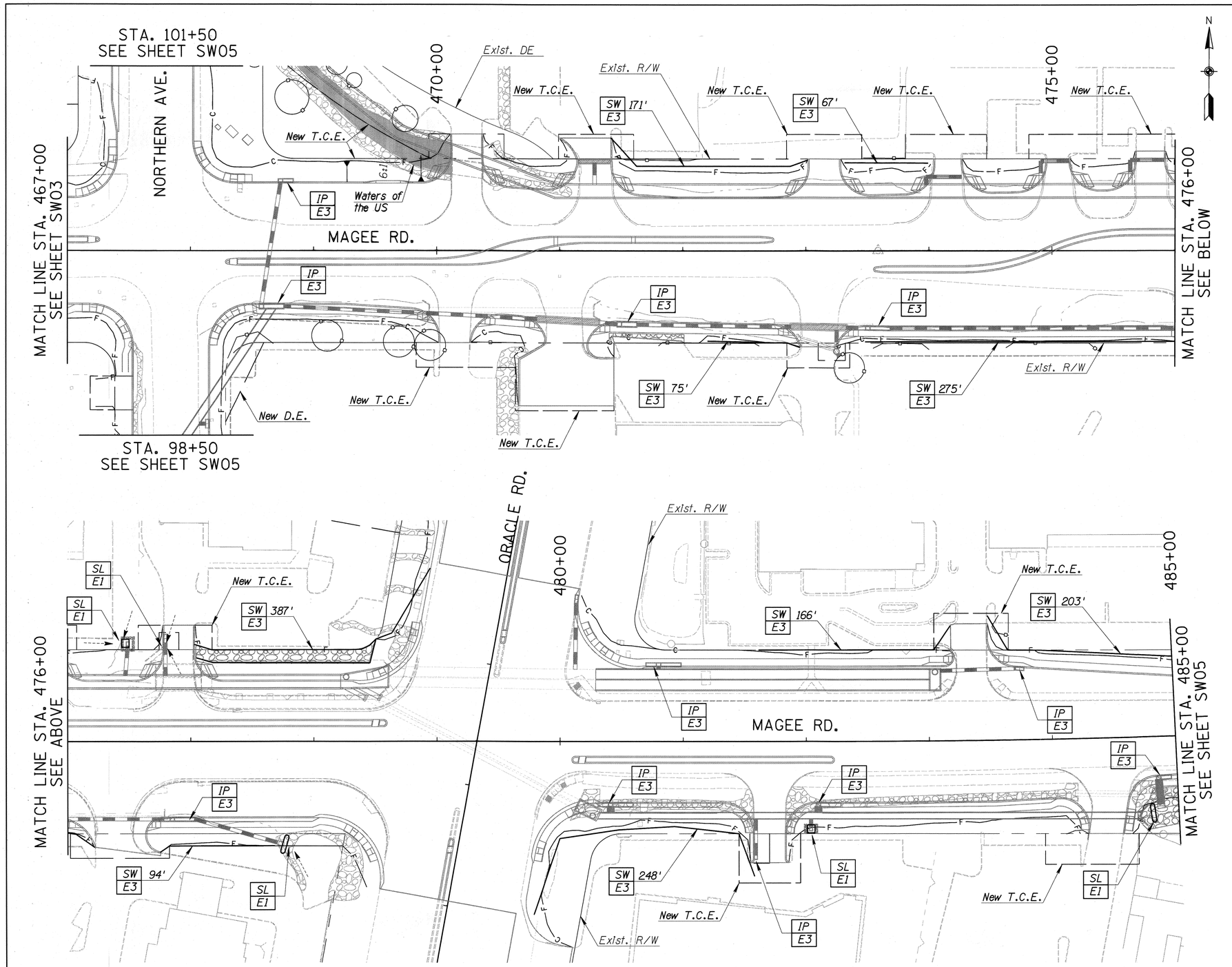
MAGEE RD. IMPROVEMENTS - LA CAÑADA DR. TO ORACLE RD. (SR 77) - PROJECT NO. 4MRLCO

Scale: 1"= 40' Horiz. | Sheet SW03 of SW08 | Page 242 of 273

FILE NAME: s:\10-077 magee road\civil\cadd\sw\4MRLCO_SW03.dgn DATE: 12/27/12 TIME: 6:58:09 PM aherrera




| F.H.W.A. REGION | STATE | PROJECT NO. | SHEET NO. | TOTAL SHEETS | AS BUILT |
|---|---|---|---|---|---|
| 9 | ARIZ. | STP-PPM-0(209)D | 243 | 273 | |

SS693 01C

Notes:

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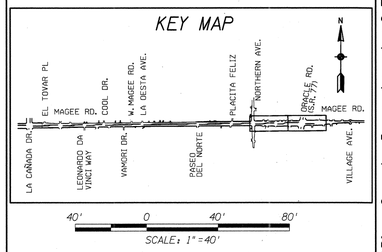
| Sym | Treatment | Qty/Sheet |
|---|---|---|
| | E1-Sediment Logs (SL) | 60 L.F. |
| | E3-Sediment Wattle (SW) | 1852 L.F. |
| | E3-Inlet Protection (IP) | 185 L.F. |
| | Outlet Protection (OP) | SEE NOTE 6 |
| | Preservation Fencing | |
| | Drainage Exit Point | |
| | Riprap | |
| | Direction of Flow | |

KEY MAP




Scale: 1" = 40' Horiz. | Sheet SW04 of SW08

Priscilla S. Cornelio, P.E., Director

| No. | Revision Description | Engineer | Date |
|---|---|---|---|
| | | | |

| | | Date |
|---|---|---|
| Designed | MDC/JDB/BGN | 12/12 |
| Drawn | MDC/JDB/BGN | 12/12 |
| Checked | JDS | 12/12 |
| Proj. Engr. | AJM | 12/12 |

(Civil) 46219 ANTHONY J. HERRERA Date Signed 12/27/12 ARIZONA, U.S.A. EXPIRES 12/31/13

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PROJECT NO. 4MRLCO

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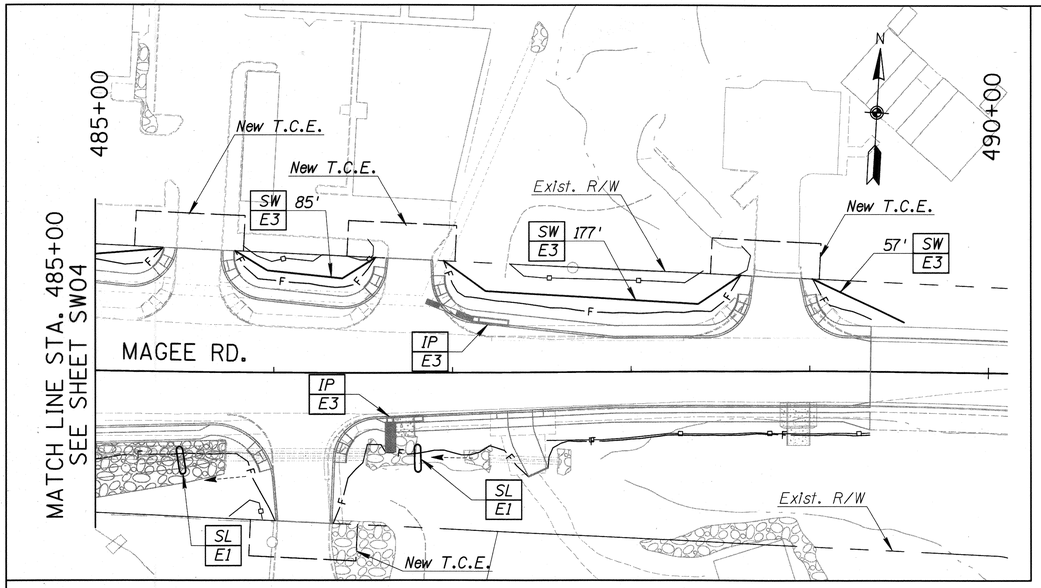
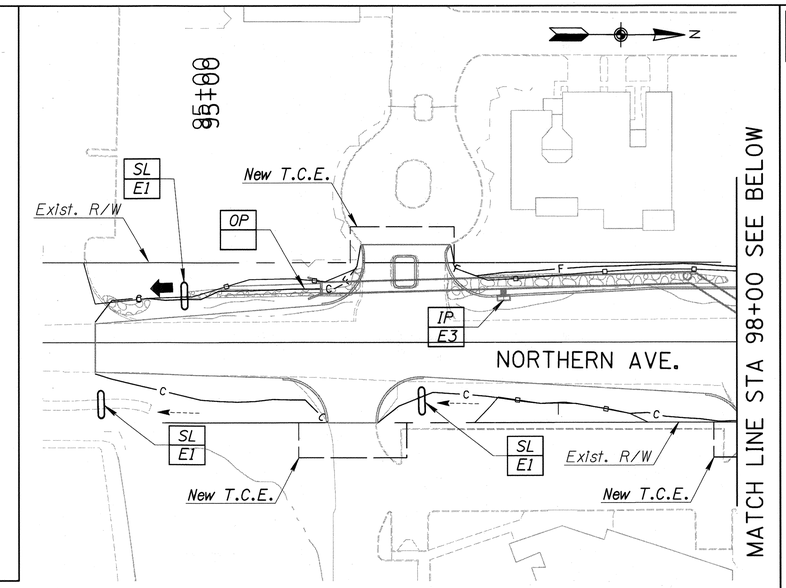
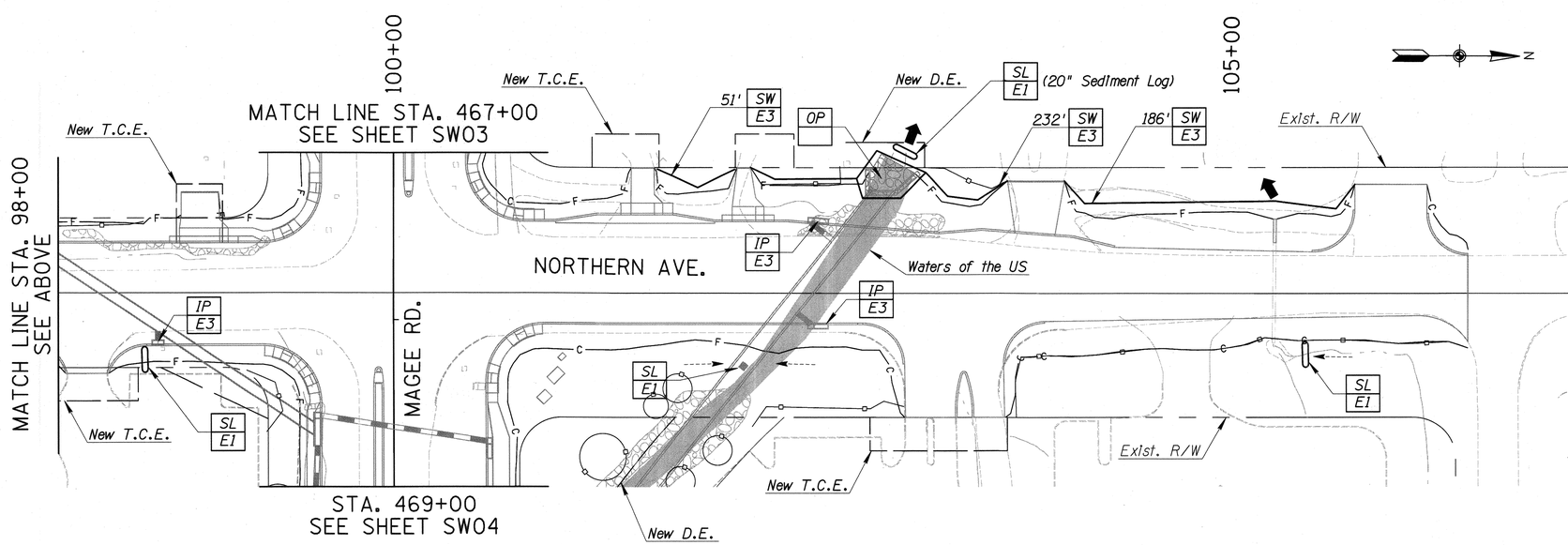
FILE NAME: s:\10-077 magee road\civil\cadd\sw\4MRLCO_SW04.dgn DATE: 12/27/12 TIME: 6:58:21 PM aherrera




| F.H.W.A. REGION | STATE | PROJECT NO. | SHEET NO. | TOTAL SHEETS | AS BUILT |
|---|---|---|---|---|---|
| 9 | ARIZ. | STP-PPM-0(209)D | 244 | 273 | |

Notes: SS693 01C

1. All Slopes Are 4:1 Unless Otherwise Noted
2. Refer To BMP Detail & Drawing Sheets For Installation Included As Appendix B Of This SWPPP
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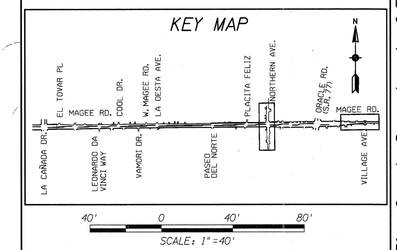
8. Culvert Headwall and Drop Inlet Locations Requiring Rock Riprap Armoring Shall Have Rock Riprap Installed Immediately Per Sheets DP01-DP06. If Armoring Is Not In Place, Sediment Wattles Must Be Installed Between Time Of Initial Disturbance And Installation Of Armoring Per Detail E3

| Sym | Treatment | Qty/Sheet |
|---|---|---|
| | E1-Sediment Logs (SL) | 182 L.F. |
| | E3-Sediment Wattle (SW) | 788 L.F. |
| | E3-Inlet Protection (IP) | 88 L.F. |
| | Outlet Protection (OP) | SEE NOTE 6 |
| | Preservation Fencing | |
| | Drainage Exit Point | |
| | Riprap | |
| | Direction of Flow | |

KEY MAP




| No. | Revision Description | Engineer | Date |
|---|---|---|---|
| | | | |

| | | Date |
|---|---|---|
| Designed | MDC/JDB/BGN | 12/12 |
| Drawn | MDC/JDB/BGN | 12/12 |
| Checked | WDS | 12/12 |
| Proj. Engr. | AJM | 12/12 |

Priscilla S. Cornelio, P.E., Director

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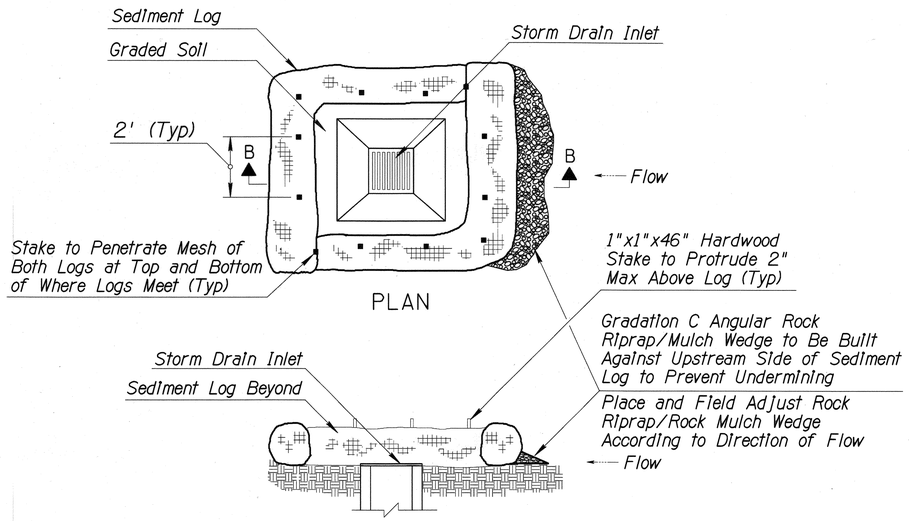
Scale: 1" = 40' Horiz. | Sheet SW05 of SW08 | Page 244 of 273

FILE NAME: s:\10-077 magee road\civil\cadd\sw\4MRLCO_SW05.dgn DATE: 12/27/12 TIME: 6:58:24 PM aherrera

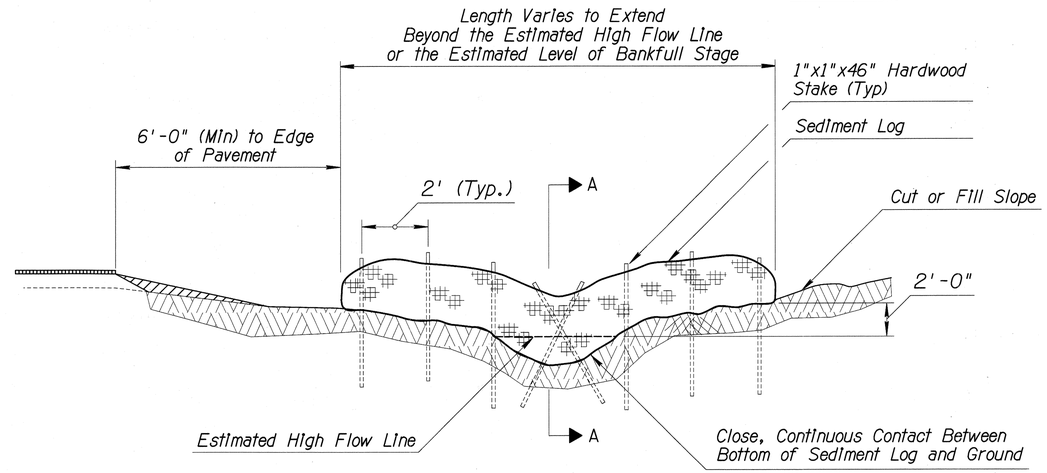
| F.H.W.A. REGION | STATE | PROJECT NO. | SHEET NO. | TOTAL SHEETS | AS BUILT |
|---|---|---|---|---|---|
| 9 | ARIZ. | STP-PPM-0(209)D | 245 | 273 | |

SS693 01C

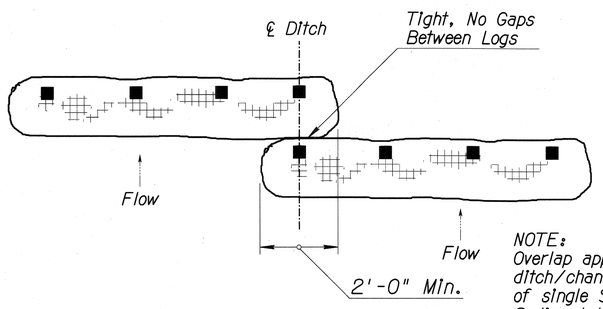



PLAN

SEDIMENT LOG AT STORM DRAIN
SECTION B-B (NTS)

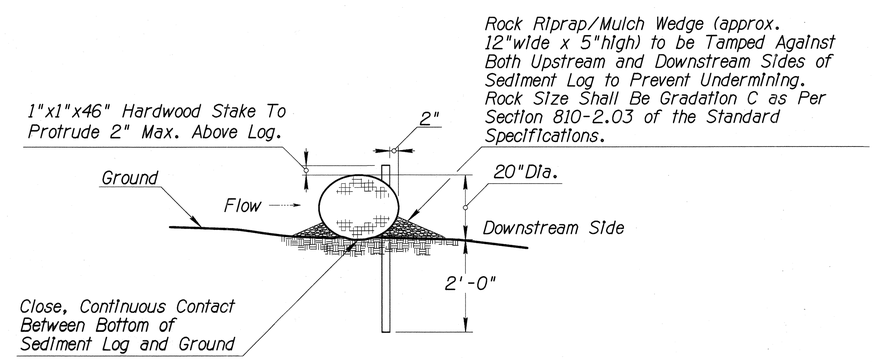



SEDIMENT LOG IN DITCH/CHANNEL
SECTIONAL ELEVATION (NTS)




TYPICAL OVERLAP
PLAN (NTS)

NOTE:
Overlap applies to situations where ditch/channel is wider than length of single Sediment Log. Two or multiple Sediment Logs may be necessary.




SECTION A-A (NTS)

NOTES:
1. Sediment Logs shall not be installed in the urban freeway medians, nor where cable barrier systems are employed.
2. Locate Sediment Logs as indicated in plans, SWPPP or as directed by the Engineer.
3. Select, install and maintain Logs per manufacturers' specifications and good engineering practices.
4. Lay sediment log across prepared ditch or channel. Trenching or burial of Sediment Logs is not required. The close, continuous contact between the bottom of the Log and the ground is mandatory. The Logs shall be installed in the ditch, swale or channel bottom perpendicular to the flow of water as shown on detail this sheet.
5. Stake Log as shown. Stakes shall be placed through downstream side only as shown.
6. DO NOT drive stakes through center of the log. Stakes must be driven into the ground as shown.
7. Ensure that no gaps exist between soil and bottom of Sediment Log. Repair any rills or undercuts promptly.
8. Placement of Sediment Logs shall be evaluated by the Engineer in rocky soil conditions.
9. Remove Sediment Log BMPs within the ditches/channels and around the storm drain inlets as per the Direction of the Engineer or as soon as practicable upon stabilization of the construction disturbed area.
10. Dispose of Sediment Logs and trapped sediment material and fill trench created by Sediment Log.
11. The installation and maintenance of Sediment Log BMPs shall not negatively impact traffic safety, nor the designed function of roadway or bridge drainage facilities. Sediment Logs shall be installed and maintained to carry the stormwater of at least 2-year, 24-hour events.
12. Field adjust and correct Sediment Log BMP immediately if it is causing flooding, erosion, and/or affecting roadway safety.
13. Install rock mulch/riprap for channel/ditch lining or rock check dams for longitudinal ditch slopes that exceed 5% and/or for soil conditions not suitable for log installation.
14. The Sediment Log BMP's pay/bid item shall include all materials used for this BMP: all ground preparation, furnishing, installing, maintenance, final removal, and disposal, as well as returning the area to an acceptable condition as approved by the Engineer.
15. Refer to Standard Specification Section 810-2.06(B) for Sediment Log material specifications.

# DETAIL E1
SEDIMENT LOG

| Scale: | NTS | Sheet SW06 of SW08 |
|---|---|---|

FILE NAME: S:\10-077 Magee Road\Civil\CADD\SW\4MRLCO_SW06.dgn DATE: 12/27/12 TIME: 7:00:02 PM aherrera

Priscilla S. Cornello, P.E., Director

| No. | Revision Description | Engineer | Date |
|---|---|---|---|
| | | | |

| | | Date |
|---|---|---|
| Designed | MDC/JDB/BGN | 12/12 |
| Drawn | MDC/JDB/BGN | 12/12 |
| Checked | JDS | 12/12 |
| Proj. Engr. | AJH | 12/12 |

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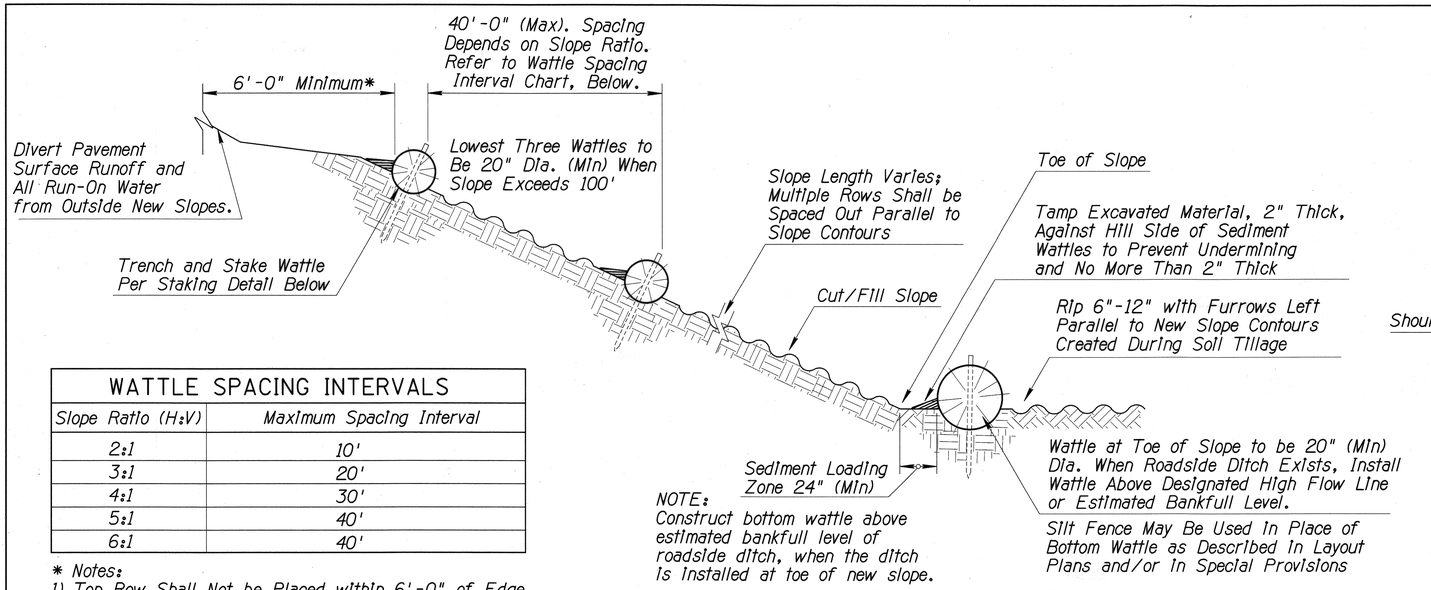
| F.H.W.A. REGION | STATE | PROJECT NO. | SHEET NO. | TOTAL SHEETS | AS BUILT |
|---|---|---|---|---|---|
| 9 | ARIZ. | STP-PPM-0(209)D | 246 | 273 | |

SS693 01C

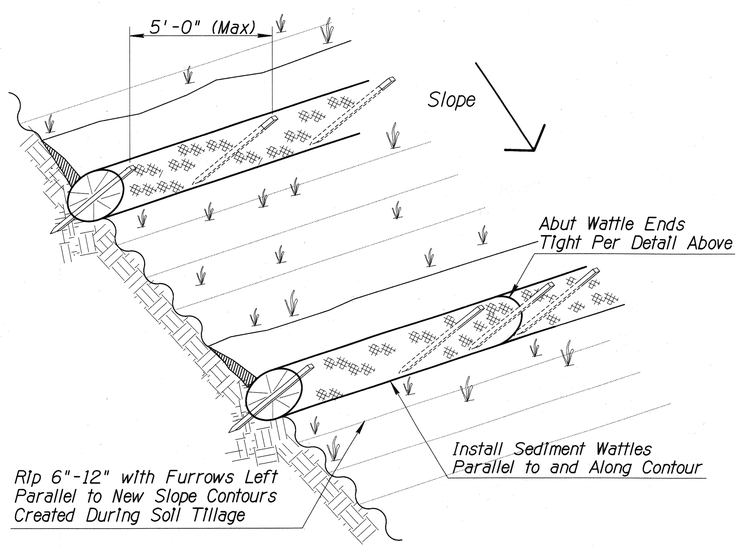



NOTE:
Construct bottom wattle above estimated bankfull level of roadside ditch, when the ditch is installed at toe of new slope.

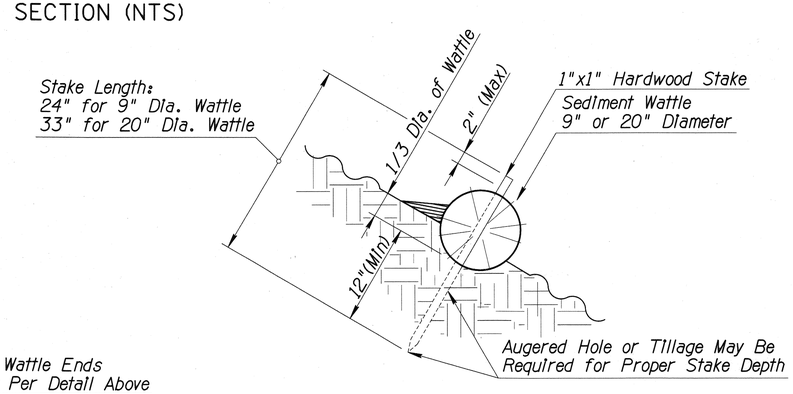
SECTION (NTS)

| WATTLE SPACING INTERVALS | |
|---|---|
| Slope Ratio (H:V) | Maximum Spacing Interval |
| 2:1 | 10' |
| 3:1 | 20' |
| 4:1 | 30' |
| 5:1 | 40' |
| 6:1 | 40' |

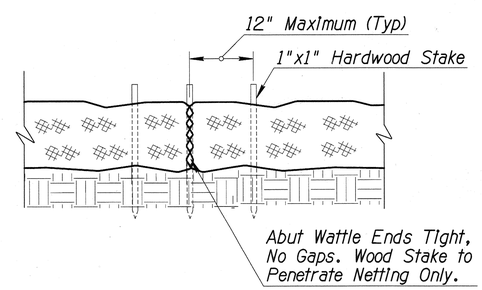
* Notes:
1) Top Row Shall Not be Placed Within 6'-0" of Edge of Pavement and 9'-0" from Outside Surface of Barrier.
2) For erosive soils, place rows of wattles closer together.
3) For soils with low erosive potential, place rows of wattles further apart.



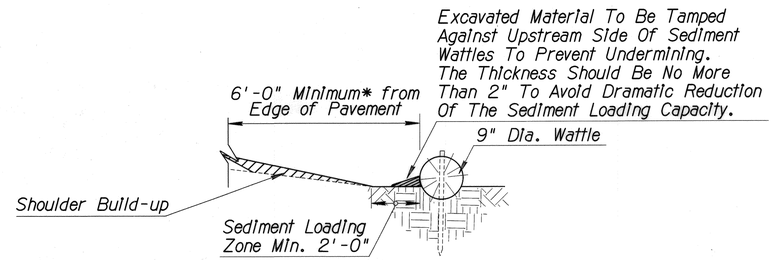

SEDIMENT WATTLE LAYOUT (NTS)




SEDIMENT WATTLE STAKING DETAIL (NTS)




SEDIMENT WATTLE OVERLAP (NTS)




NEW SHOULDER BUILDUP PROTECTION SECTION (NTS)

NOTES:
1. Install Sediment Wattles as slopes are constructed to grade or as directed by the Engineer. Select, install and maintain in conformance with manufacturers' specifications to meet site conditions for slope protection and in accordance with good engineering practices. No Sediment Wattles shall be installed in urban freeway medians, nor where cable barrier systems are employed.
2. Sediment Wattles shall be in continuous contact with trench bottom and sides. Do not overlap wattle ends on top of each other. A 20" Dia. wattle may be made from 2-3 rolled excelsior or straw blankets.
3. Butt adjoining wattles tightly against each other. Drive the first end stake of the second wattle at an angle toward the first wattle to help abut them tightly.
4. Repair any rills or gullies promptly. Field adjust and correct Wattle BMP immediately if it is causing flooding, erosion, and/or affecting roadway safety.
5. Construction of cut slopes 2:1 and steeper in soil and rock materials that can be ripped shall be constructed, whenever possible, by Minibenching. Refer to Slope Minibenching Detail.
6. Loosening surface soil is not required where Minibenches are used. For seeded areas, tillage shall be performed to form minor ridges and furrows parallel to new slope contours and as specified in Section 805 of the Standard Specifications.
7. Divert and direct run-on water from outside of the slopes to the spillways and/or rock riprap/rock mulch. Diversion dikes and/or ditches are necessary on natural undisturbed slopes beyond the top limits of new slopes to divert run-on water.
8. Installation and maintenance of Sediment Wattle BMPs shall not negatively impact traffic safety, nor the designed function of roadway or bridge drainage facilities.
9. Install and maintain Sediment Wattle BMPs to carry the stormwater of at least 2-year, 24-hour events.
10. The Sediment Wattle BMP's pay/bid item shall include all materials used for this BMP: all ground preparation, furnishing, installing, maintenance, final removal, and disposal of this temporary BMP, as well as returning the area to an acceptable condition as approved by the Engineer.
11. Refer to Standard Specification Section 810-2.06(C) for Sediment Wattle material specifications.

# DETAIL E3
SEDIMENT WATTLE

| Scale: | NTS | Sheet SW07 of SW08 |
|---|---|---|

Priscilla S. Cornelio, P.E., Director

| No. | Revision Description | Engineer | Date |
|---|---|---|---|
| | | | |

| | | Date |
|---|---|---|
| Designed | MDC/JDB/BGN | 12/12 |
| Drawn | MDC/JDB/BGN | 12/12 |
| Checked | JDS | 12/12 |
| Proj. Engr. | AJH | 12/12 |

Pima County Department of Transportation

SWPPP
MAGEE RD.
LA CANADA DR. - ORACLE RD. (SR 77)
PROJECT NO. 4MRLCO

Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call two working days before you dig


epsgroup, Inc.
Engineers, Planners & Surveyors
8755 N. Thornydale Rd., Ste. 140, Tucson, Arizona 85742
Phone (520) 408-1600 Fax (520) 408-1605

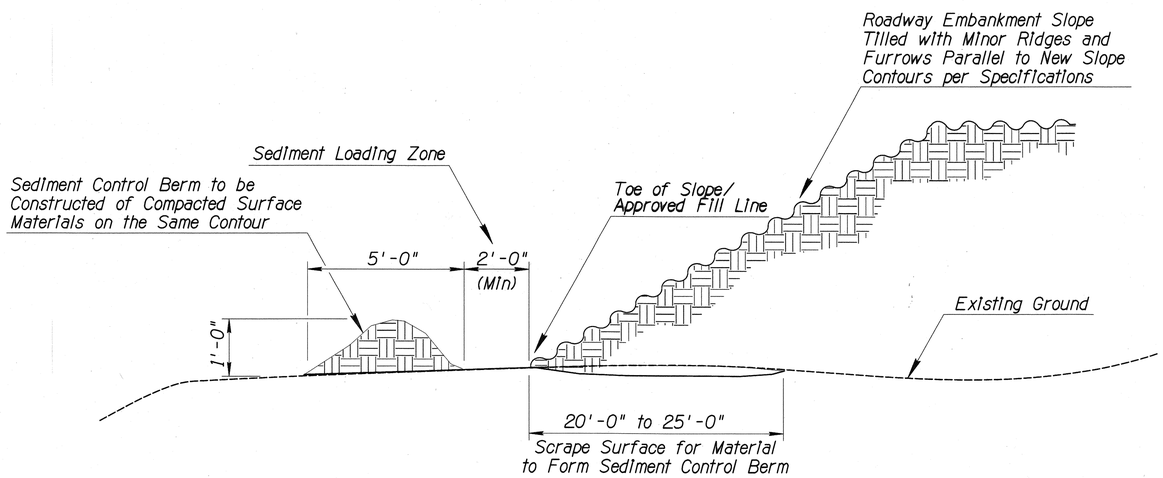

MAGEE RD. IMPROVEMENTS - LA CAÑADA DR. TO ORACLE RD. (SR 77) - PROJECT NO. 4MRLCO



FILE NAME: s:\10-077 magee road\civil\cadd\sw\4MRLCO_SW07.dgn DATE: 12/27/12 TIME: 7:00:21 PM aherrera

| F.H.W.A. REGION | STATE | PROJECT NO. | SHEET NO. | TOTAL SHEETS | AS BUILT |
|---|---|---|---|---|---|
| 9 | ARIZ. | STP-PPM-0(209)D | 247 | 273 | |

SS693 01C




SEDIMENT CONTROL BERM
SECTION (NTS)

NOTES:

1. Locate Sediment Control Berms as indicated on plans or as directed by the Engineer.
2. Surface materials i.e. soil, rock, branches, leaves, slash and chips shall be scraped from the existing grade as needed to construct the berm prior to placement of roadway embankment. After scraping material into berm, compact berm as shown. Rock and slash shall extend no more than 4" above the surface.
3. Construct Sediment Control Berm on the same contour as the toe of new slope and a minimum of 2'-0" beyond the toe of new slope. For the seeded areas, till to form minor ridges and furrows parallel to new slope contours and as specified in Section 805 of the Standard Specifications.
4. The installation and maintenance of Sediment Control Berm BMPs shall not negatively impact traffic safety, nor the designed function of roadway or bridge drainage facilities. For erosion/sediment control purposes, Sediment Control Berm BMPs shall be installed and maintained to carry the stormwater of at least 2-year, 24-hour events.
5. Remove Sediment Control Berms per the direction of the Engineer or as soon as practicable upon stabilization of the construction disturbed area.
6. Field adjust and correct Sediment Control Berm BMP immediately if it is causing flooding, erosion, and/or affecting roadway safety.
7. Sediment Control Berms may be paid as a part of slope construction/ roadway excavation. When paid separately, the Sediment Control Berm BMP's pay/bid item shall include all materials used for this BMP: all ground preparation, furnishing, installing, final removal, and disposal of this temporary BMP, as well as returning the area to an acceptable condition as approved by the Engineer.
8. OPTION TO SEDIMENT CONTROL BERM: When shown on layout plans and/or called for in Special Provisions, for urban situations, or where surface materials are not available, use wattles. Wattles shall be selected, installed, and maintained in accordance with manufacturers' specifications and good engineering practices. Refer to Sediment Wattle BMP.

# DETAIL E5
SEDIMENT CONTROL BERM

| Scale: | NTS | Sheet SW08 of SW08 |
|---|---|---|

Priscilla S. Cornelio, P.E., Director

| No. | Revision Description | Engineer | Date |
|---|---|---|---|
| | | | |

| | | Date |
|---|---|---|
| Designed | MDC/JDB/BGN | 12/12 |
| Drawn | MDC/JDB/BGN | 12/12 |
| Checked | MDC | 12/12 |
| Proj. Engr. | AJH | 12/12 |

Pima County Department of Transportation

SWPPP
MAGEE RD.
LA CAÑADA DR. - ORACLE RD. (SR 77)
PROJECT NO. 4MRLCO

Arizona Blue Stake
1-800-STAKE-IT
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Call two working days before you dig

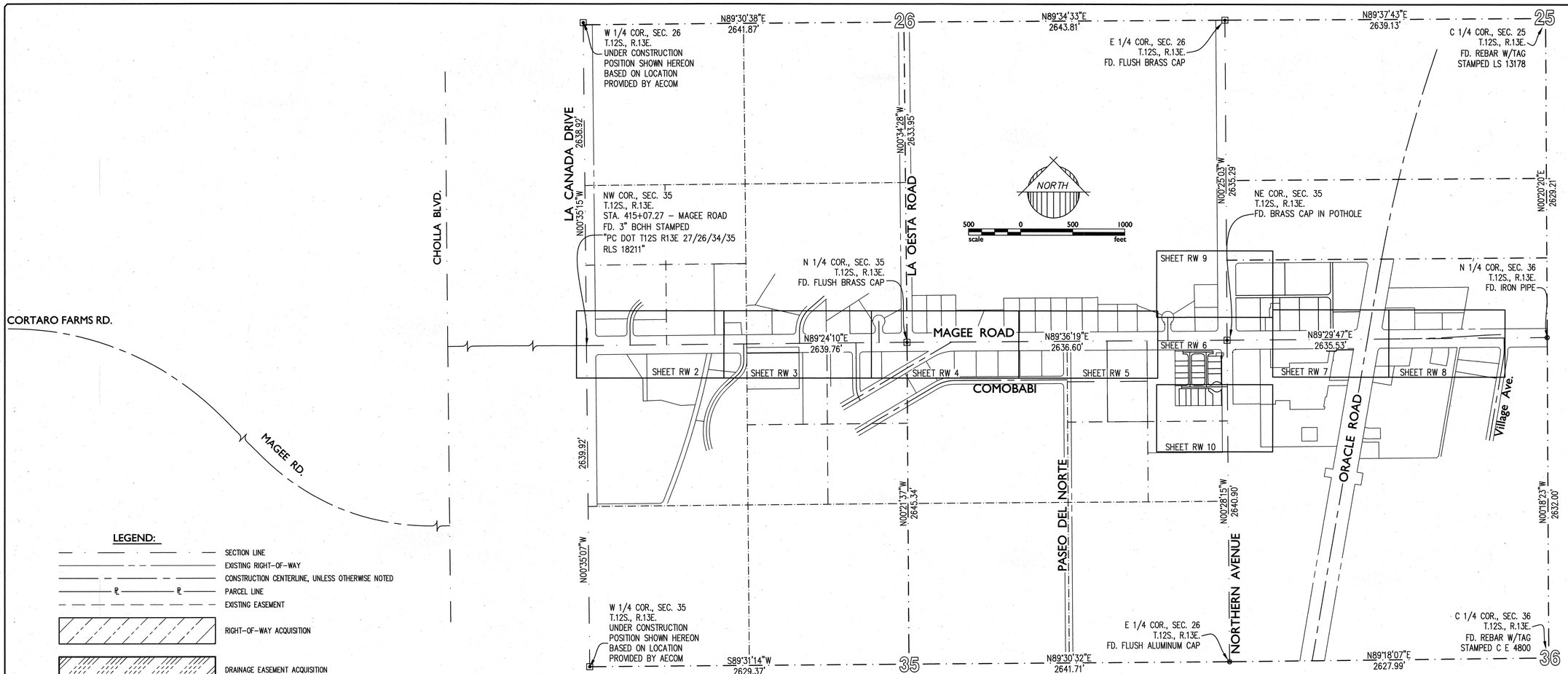
epsgroup, inc.
Engineers, Planners & Surveyors
8710 N. Thornydale Rd., Ste. 140, Tucson, Arizona 85742
Phone (520) 485-1400 Fax (520) 485-1403

MAGEE RD. IMPROVEMENTS - LA CAÑADA DR. TO ORACLE RD. (SR 77) - PROJECT NO. 4MRLCO



FILE NAME: s:\10-077 magee road\civil\cadd\sw\4MRLCO_SW08.dgn DATE: 12/27/12 TIME: 7:00:25 PM aherrera

10-077




## LEGEND:

- SECTION LINE
- EXISTING RIGHT-OF-WAY
- CONSTRUCTION CENTERLINE, UNLESS OTHERWISE NOTED
- PARCEL LINE
- EXISTING EASEMENT
- RIGHT-OF-WAY ACQUISITION
- DRAINAGE EASEMENT ACQUISITION
- TEMPORARY CONSTRUCTION EASEMENT ACQUISITION

| | |
|---|---|
| ⊞ | FOUND MONUMENT, AS NOTED |
| ⊗ | FOUND MISCELLANOUS MONUMENT, AS NOTED |
| APN | TAX PARCEL NUMBER |
| Bk. | BOOK |
| Comm. | COMMUNICATION |
| Cstr. | CONSTRUCTION |
| COR. | CORNER |
| (C) | CALCULATED |
| Dckt. | DOCKET |
| Elec. | ELECTRIC |
| ELEV | ELEVATION |
| Esmt. | EASEMENT |
| Ex. | EXISTING |
| FD. | FOUND |
| LT | LEFT |
| (M) | MEASURED |
| N/F | NOW OR FORMERLY |
| No. | NUMBER |
| PCR | PIMA COUNTY RECORDERS |
| Pg. | PAGE |
| Pt. | POINT |
| R# | RECORD DATA |
| R/W | RIGHT-OF-WAY |
| RB | REBAR |
| RM | ROAD MAP |
| RT | RIGHT |
| (R) | RECORDED |
| SD | SUBDIVISION PLAT |
| SEC. | SECTION |
| STA. | STATION |
| Teleco | TELECOMMUNICATION |
| # RW# | PARCEL IDENTIFICATION |

## REFERENCE DOCUMENTS USED:

CATALINA CITRUS ESTATES, BOOK 6 M&P, PAGE 24, PCR

SAMALAYUCA ESTATES, BOOK 11 M&P, PAGE 07, PCR

SUNSET MANOR, BOOK 11 M&P, PAGE 97, PCR

SUFFOLK HILLS, BOOK 13 M&P, PAGE 18, PCR

DUCHESS PLAZA, BOOK 15 M&P, PAGE 20, PCR

SUFFOLK CENTER, BOOK 15 M&P, PAGE 23, PCR

NORMAN ESTATES, BOOK 15 M&P, PAGE 30, PCR

MAGEE PLAZA, BOOK 17 M&P, PAGE 60, PCR

LA CAÑADA ESTATES, BOOK M&P, PAGE 12, PCR

RANCHO FELIZ, BOOK 25 M&P, PAGE 12, PCR

RANCHO DE LA CAÑADA, BOOK 25 M&P, PAGE 99, PCR

ESCONDIDO PLAZA, BOOK 27 M&P, PAGE 82, PCR

CASAS LINDAS, BOOK 39 M&P, PAGE 66, PCR

MAGEE OFFICE PARK, BOOK 41 M&P, PAGE 15, PCR

RIDGEVIEW PLAZA, BOOK 43 M&P, PAGE 65, PCR

FINAL PLAT FOR CAMPOS ADOBES, BOOK 60 M&P, PAGE 67, PCR

FINAL PLAT FOR LUTHERAN CHURCH OF THE ASCENSION–PARCEL 2, BOOK 62 M&P, PAGE 15, PCR

## NOTES:

1. THE BASIS OF BEARING IS S89° 39' 00"W AS MEASURED BETWEEN PIMA COUNTY DOT – CITY OF TUCSON GEODETIC CONTROL POINT (7)T13 NAD 83 NORTHING (Y) 495,521.794, NAD 83 EASTING (X) 979,098.978 TRUNCATED TO 95,521.794 AND 79,098.978 AND PIMA COUNTY DOT – CITY OF TUCSON GEODETIC CONTROL POINT (7)T01 NAD 83. NORTHING (Y) 495,426.401, NAD 83 EASTING (X) 963,481.939, TRUNCATED TO 95,426.401 AND 63,481.939.

2. BASIS OF ELEVATION: BASIS OF ELEVATION: BRASS CAP IN POTHOLE AT HE INTERSECTION OF MAGEE ROAD AND NORTHERN AVENUE. ELEVATION BEING 2562.75. THIS ELEVATION WAS USED BY EEC, FROM FILES PROVIDED BY PIMA COUNTY SURVEY DEPARTMENT.

3. BASIS OF COORDINATES: DATA WAS COLLECTED ON GRID. THE COORDINATES WERE THEN MULTIPLIED BY THE INVERSE OF THE COMBINED SCALE FACTOR (1/X = 1.000124849) TO CONVERT GRID DISTANCES TO GROUND DISTANCES. TO AVOID CONFUSION WHERE THE CONVERTED GROUND DISTANCES COULD BE MISINTERPRETED TO BE STATE PLANE VALUES, 400,000.00 WAS THEN SUBTRACTED FROM THE NORTHINGS AND 900,000.00 WAS SUBTRACTED FROM THE EASTINGS.

   TO CONVERT THE GROUND VALUES TO GRID, ADD 400,000 TO THE NORTHINGS AND 900,000 TO THE EASTINGS, THEN MULTIPLY THE COORDINATE VALUES BY THE COMBINED SCALE FACTOR (0.9998751670).

4. BASIS OF STATIONING: THE STATIONING FOR MAGEE ROAD & NORTHERN AVENUE IS BASED ON CORTARO FARMS RD./MAGEE RD. PLANS ,PROJECT NUMBER 4MCFTL, BY AECOM. THE BASIS OF STATIONING FOR ORACLE RD. IS BASED ON ADOT R/W PLANS PROJECT NO. F-031-1-811. RECORD STATION AT P.O.T. 377+20.77 AND WAS HELD AT THE SPLIT OF THE ADOT R/W MONUMENTS FOUND ON EACH SIDE.

5. THE RECORD DEEDS AND EASEMENTS SHOWN HEREON ARE DISCLOSED BY TITLE REPORTS PROVIDED BY PIMA COUNTY.

6. MEASUREMENTS SHOWN HEREON ARE MEASURED UNLESS NOTED OTHERWISE.

## SHEET INDEX:


| | |
|---|---|
| RW 1 | COVER SHEET: SECTION DETAIL/REFERENCES USED/NOTES/SURVEYOR'S NOTES/LEGEND |
| RW 2–10 | PLAN SHEETS/POINT DATA/PARCEL DATA/LINE TABLES/CURVE TABLES |


## CERTIFICATION:

I CERTIFY THAT THE ATTACHED SURVEY WAS PREPARED UNDER MY DIRECTION.

JOE KRAFT, RLS
RLS NO. 48225

| No. | Revision Description | Date |
|---|---|---|
| | | |

| | Revision Description | Date |
|---|---|---|
| Designed | MDC/JDB/BGN | 12 2011 |
| Drawn | JK | 12 2011 |
| Checked | GM | 12 2011 |
| Proj. Eng. | AH | 12 2011 |

Engineer

Priscilla S. Cornelio, P.E., Director

REGISTERED LAND SURVEYOR
48225
JOE
KRAFT
Date Signed 6.17.13
ARIZONA U.S.A.
EXPIRES: 9.30.2014

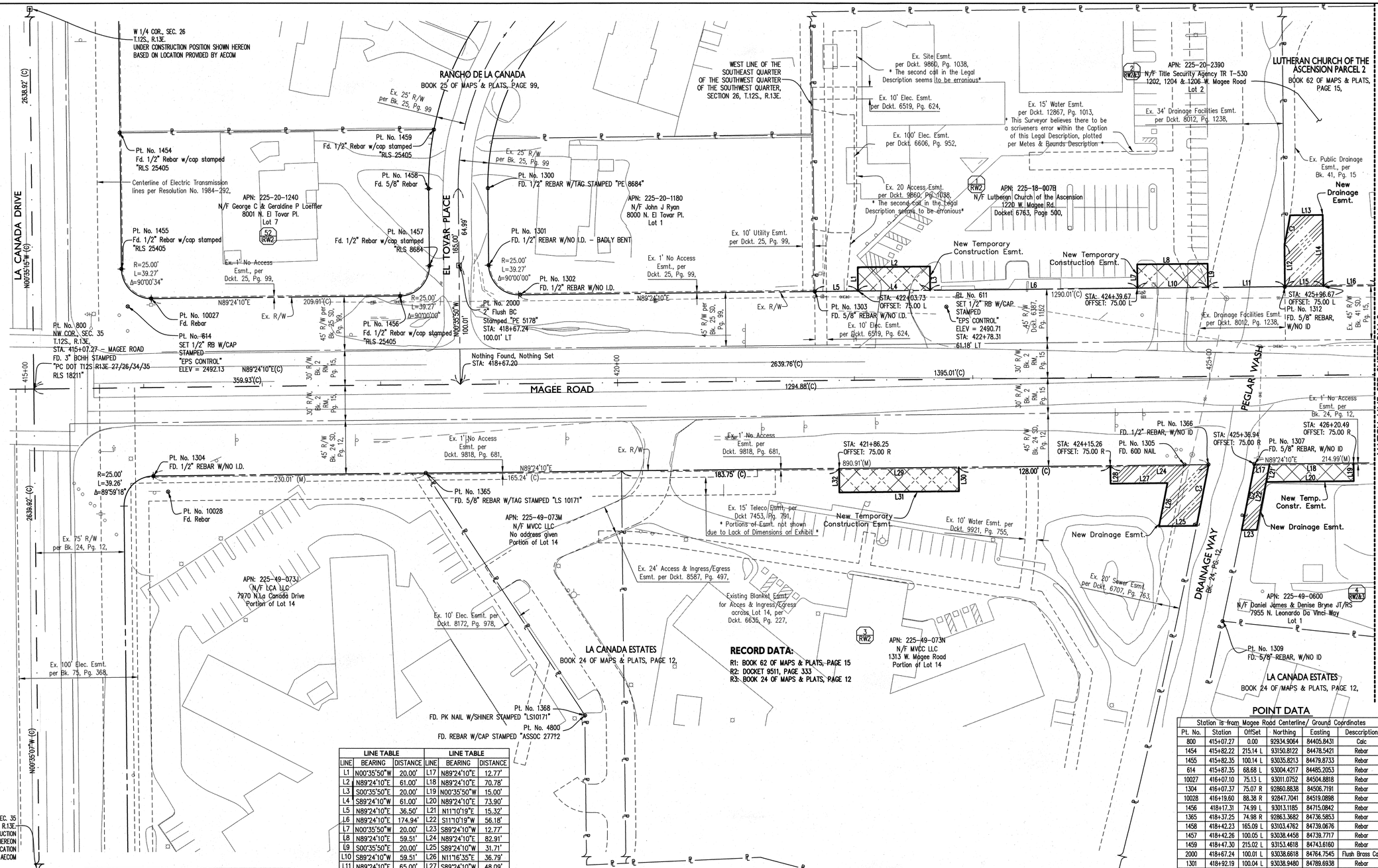

eps group, Inc.
Engineers, Planners & Surveyors
2045 S. Vineyard, Ste. 101, Mesa, Arizona 85210
Phone (480) 503-2250 Fax (480) 503-2258


Pima County Department of Transportation

Right of Way Plans
Magee Road
La Canada to Oracle Road
Project No. 4MRLCO

| Scales | Horiz. 1" = 500' | Sheet RW 1 of RW 10 | Page 248 of 273 |
|---|---|---|---|
| | Vert. 1" = N/A | | |

10-077




| LINE TABLE | | | LINE TABLE | | |
|---|---|---|---|---|---|
| LINE | BEARING | DISTANCE | LINE | BEARING | DISTANCE |
| L1 | N00°35'50"W | 20.00' | L17 | N89°24'10"E | 12.77' |
| L2 | N89°24'10"E | 61.00' | L18 | N89°24'10"E | 70.78' |
| L3 | S00°35'50"E | 20.00' | L19 | N00°35'50"W | 15.00' |
| L4 | S89°24'10"W | 61.00' | L20 | N89°24'10"E | 73.90' |
| L5 | N89°24'10"E | 36.50' | L21 | N11°10'19"E | 15.32' |
| L6 | N89°24'10"E | 174.94' | L22 | S11°10'19"W | 56.18' |
| L7 | N00°35'50"W | 20.00' | L23 | S89°24'10"W | 12.77' |
| L8 | N89°24'10"E | 59.51' | L24 | N89°24'10"E | 82.91' |
| L9 | S00°35'50"E | 20.00' | L25 | S89°24'10"W | 31.71' |
| L10 | S89°24'10"W | 59.51' | L26 | N11°16'35"E | 36.79' |
| L11 | N89°24'10"E | 65.00' | L27 | S89°24'10"W | 48.09' |
| L12 | N00°35'50"W | 35.61' | L28 | N00°35'07"W | 15.00' |
| L13 | N89°24'10"E | 27.53' | L29 | N89°24'10"E | 101.00' |
| L14 | S00°34'18"E | 60.00' | L30 | N00°35'50"W | 20.00' |
| L15 | S89°24'10"W | 32.50' | L31 | N89°24'10"E | 101.00' |
| L16 | N89°24'10"E | 47.40' | L32 | N00°35'50"W | 20.00' |

| CURVE TABLE | | | | | | |
|---|---|---|---|---|---|---|
| CURVE | RADIUS | LENGTH | DELTA | TANGENT | CHORD DIR. | CHORD |
| C1 | 348.00' | 24.90' | 4°05'56" | 12.45' | N10°57'55"E | 24.89' |
| C2 | 6675.13' | 56.18' | 0°28'56" | 28.09' | N11°10'19"E | 56.18' |
| C3 | 6637.13' | 52.10' | 0°26'59" | 26.05' | N11°13'22"E | 52.10' |

## POINT DATA

Station is from Magee Road Centerline/ Ground Coordinates

| Pt. No. | Station | OffSet | Northing | Easting | Description |
|---|---|---|---|---|---|
| 800 | 415+07.27 | 0.00 | 92934.9064 | 84405.8431 | Calc |
| 1454 | 415+82.22 | 215.14 L | 93150.8122 | 84478.5421 | Rebar |
| 1455 | 415+82.35 | 100.14 L | 93035.8213 | 84479.8733 | Rebar |
| 614 | 415+87.35 | 68.68 L | 93004.4217 | 84485.2053 | Rebar |
| 10027 | 416+07.10 | 75.13 L | 93011.0752 | 84504.8818 | Rebar |
| 1304 | 416+07.37 | 75.07 R | 92860.8838 | 84506.7191 | Rebar |
| 10028 | 416+19.60 | 88.38 R | 92847.7041 | 84519.0898 | Rebar |
| 1456 | 418+17.31 | 74.99 L | 93013.1185 | 84715.0842 | Rebar |
| 1365 | 418+37.25 | 74.98 R | 92863.3682 | 84736.5853 | Rebar |
| 1458 | 418+42.23 | 165.09 L | 93103.4762 | 84739.0676 | Rebar |
| 1457 | 418+42.26 | 100.05 L | 93038.4458 | 84739.7717 | Rebar |
| 1459 | 418+47.30 | 215.02 L | 93153.4618 | 84743.6160 | Rebar |
| 2000 | 418+67.24 | 100.01 L | 93038.6618 | 84764.7545 | Flush Brass Cap |
| 1301 | 418+92.19 | 100.04 L | 93038.9480 | 84789.6938 | Rebar |
| 1300 | 418+92.28 | 165.03 L | 93103.9416 | 84789.1081 | Rebar |
| 1302 | 419+18.55 | 75.13 L | 93014.3233 | 84816.3129 | Rebar |
| 1368 | 419+69.34 | 281.02 R | 92658.7206 | 84870.8123 | PK Nail |
| 4800 | 419+69.44 | 281.19 R | 92658.5597 | 84870.9202 | Rebar |
| 1303 | 421+67.39 | 75.08 L | 93016.8647 | 85065.1433 | Rebar |
| 611 | 422+78.31 | 61.18 L | 93004.1163 | 85176.2005 | Rebar |
| 1305 | 424+77.92 | 74.74 R | 92870.2876 | 85377.2156 | Nail |
| 1366 | 424+98.07 | 74.83 R | 92870.4075 | 85397.3663 | Rebar |
| 1309 | 425+08.55 | 206.86 R | 92738.4880 | 85409.2222 | Rebar |
| 1307 | 425+36.79 | 74.80 R | 92870.8408 | 85436.0892 | Rebar |
| 1312 | 425+64.06 | 74.85 L | 93020.7694 | 85461.7904 | Rebar |

## PARCEL DATA

| # | Tax Code | Owner | Docket | Page | Owner Address | | Fee Acquisition Sq. Ft. | Fee Acquisition Acres | Drainage Esmt. Sq. Ft. | Drainage Esmt. Acres | Slope Esmt. Sq. Ft. | Slope Esmt. Acres | Temp. Constr. Esmt. Sq. Ft. | Temp. Constr. Esmt. Acres | Gross Area Sq. Ft. | Gross Area Acres | Remainder Area Sq. Ft. | Remainder Area Acres |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 225-18-007B | Lutheran Church of the Ascension | 6763 | 500 | 1220 W. Magee Rd. | Tucson 85704 | -- | -- | -- | -- | -- | -- | 2,410 | 0.0553 | -- | -- | -- | -- |
| 2 | 225-20-2390 | Title Security Agency | 7384 | 383 | 1202, 1204 & 1206 W. Magee Rd. | Tucson 85704 | -- | -- | 1,886 | 0.0433 | -- | -- | 783 | 0.0180 | -- | -- | -- | -- |
| 3 | 225-49-073N | MVCC LLC | 9511 | 333 | 1313 W. Magee Rd. | Tucson 85704 | -- | -- | 2,363 | 0.0542 | -- | -- | 2,020 | 0.0464 | -- | -- | -- | -- |
| 4 | 225-49-0600 | Daniel James & Denise Bryne | 9636 | 2337 | 7955 N. Leonardo Da Vinci Wy. | Tucson 85704 | -- | -- | 700 | 0.0161 | -- | -- | 1,085 | 0.0249 | -- | -- | -- | -- |

| Revision Description | Date |
|---|---|
| MDC/JDB/BGN | 12 2011 |
| JK | 12 2011 |
| GM | 12 2011 |
| AH | 12 2011 |

Designed
Drawn
Checked
Proj. Eng.

Revision Description | Date

Engineer

Priscilla S. Cornelio, P.E., Director

MATCH LINE SEE SHEET RW 3

REGISTERED LAND SURVEYOR
48225
JOE KRAFT
Date Signed 9.17.13
ARIZONA U.S.A.
EXPIRES: 9.30.2014

eps group, Inc.
Engineers, Planners & Surveyors
2045 S. Vineyard, Ste. 101, Mesa, Arizona 85210
Phone (480) 503-2250 Fax (480) 503-2258

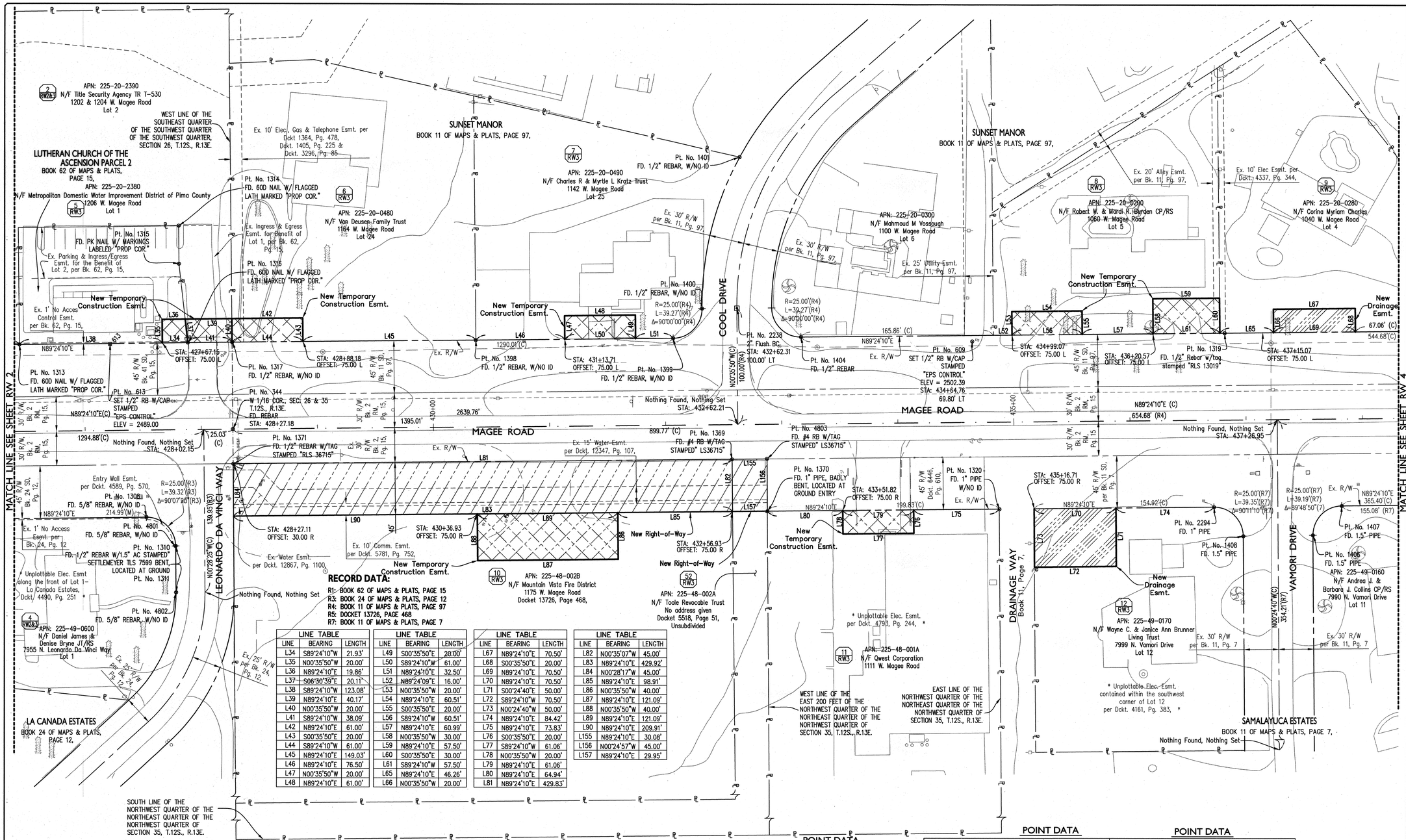
Pima County Department of Transportation

Right of Way Plans
Magee Road
La Canada to Oracle Road
Project No. 4MRLCO

Scales: Horiz. 1" = 40' | Vert. 1" = N/A

Sheet RW 2 of RW 10

10-077




## PARCEL DATA

| # | Tax Code | Owner | Docket | Page | Owner Address | | Fee Acquisition Sq. Ft. | Fee Acquisition Acres | Drainage Esmt. Sq. Ft. | Drainage Esmt. Acres | Slope Esmt. Sq. Ft. | Slope Esmt. Acres | Temp. Constr. Esmt. Sq. Ft. | Temp. Constr. Esmt. Acres | Gross Area Sq. Ft. | Gross Area Acres | Remainder Area Sq. Ft. | Remainder Area Acres |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 225-20-2390 | Title Security Agency | | | 1202, 1204 & 1206 W. Magee Rd. | Tucson 85704 | -- | -- | 1,886 | 0.0433 | -- | -- | 783 | 0.018 | -- | -- | -- | -- |
| 5 | 225-20-2380 | Metro. Domestic Water Improv. Dist. Pima Co. | 12980 | 2657 | NA | | -- | -- | -- | -- | -- | -- | 418 | 0.0096 | -- | -- | -- | -- |
| 6 | 225-20-0480 | Van Deusen Family Trust | 4027 | 61 | 1164 W. Magee Rd. | Tucson 85704 | -- | -- | -- | -- | -- | -- | 1,220 | 0.028 | -- | -- | -- | -- |
| 7 | 225-20-0490 | Charles R & Myrtle L Kratz Trust | 7935 | 600 | 1142 W. Magee Rd. | Tucson 85704 | -- | -- | -- | -- | -- | -- | 1,220 | 0.028 | -- | -- | -- | -- |
| 8 | 225-20-0290 | Robert W & Mardi R Burden CP/RS | 10207 | 1922 | 1060 W. Magee Rd. | Tucson 85704 | -- | -- | -- | -- | -- | -- | 2,935 | 0.0674 | -- | -- | -- | -- |
| 9 | 225-20-0280 | Corina Myriam Charles | 11807 | 2885 | 1040 W. Magee Rd. | Tucson 85704 | -- | -- | 1,410 | 0.0324 | -- | -- | -- | -- | -- | -- | -- | -- |
| 4 | 225-49-0600 | Daniel James & Denise Bryne | 9636 | 2337 | 7955 N. Leonardo Da Vinci Wy. | Tucson 85704 | -- | -- | 700 | 0.0161 | -- | -- | 1,085 | 0.0249 | -- | -- | -- | -- |
| 10 | 225-48-002B | Mountain Vista Fire District | 13726 | 468 | 1175 W. Magee Rd, | Tucson 85704 | 19,344 | 0.4441 | -- | -- | -- | -- | 4,840 | 0.1111 | 145,822 | 3.3476 | 126,481 | 2.9036 |
| 52 | 225-48-002A | Toole Revocable Trust | 5518 | 51 | NA | | 1,351 | 0.0310 | -- | -- | -- | -- | -- | -- | 143,935 | 3.3043 | 142,584 | 3.2733 |
| 11 | 225-48-001A | Qwest Corporation | 1268 | 125 | 1111 W. Magee Rd. | Tucson 85704 | -- | -- | -- | -- | -- | -- | 1,221 | 0.028 | -- | -- | -- | -- |
| 12 | 225-49-0170 | Wayne C. Janice Ann Brunner Living Trust | 3963 | 200 | 7999 N. Vamori Dr. | Tucson 85704 | -- | -- | 3,525 | 0.0809 | -- | -- | -- | -- | -- | -- | -- | -- |

### LINE TABLE

| LINE | BEARING | LENGTH |
|---|---|---|
| L34 | S89°24'10"W | 21.93' |
| L35 | N00°35'50"W | 20.00' |
| L36 | N89°24'10"E | 19.86' |
| L37 | S06°30'39"E | 20.11' |
| L38 | S89°24'10"W | 123.08' |
| L39 | N89°24'10"E | 40.17' |
| L40 | N00°35'50"W | 20.00' |
| L41 | S89°24'10"W | 38.09' |
| L42 | N89°24'10"E | 61.00' |
| L43 | S00°35'50"E | 20.00' |
| L44 | S89°24'10"W | 61.00' |
| L45 | N89°24'10"E | 149.03' |
| L46 | N89°24'10"E | 76.50' |
| L47 | N00°35'50"W | 20.00' |
| L48 | N89°24'10"E | 61.00' |

### LINE TABLE

| LINE | BEARING | LENGTH |
|---|---|---|
| L49 | S00°35'50"E | 20.00' |
| L50 | S89°24'10"W | 61.00' |
| L51 | N89°24'10"E | 32.50' |
| L52 | N89°24'09"E | 16.00' |
| L53 | N00°35'50"W | 20.00' |
| L54 | N89°24'10"E | 60.51' |
| L55 | S00°35'50"E | 20.00' |
| L56 | S89°24'10"W | 60.51' |
| L57 | N89°24'10"E | 60.99' |
| L58 | N00°35'50"W | 30.00' |
| L59 | N89°24'10"E | 57.50' |
| L60 | S00°35'50"E | 30.00' |
| L61 | S89°24'10"W | 57.50' |
| L65 | N89°24'10"E | 46.26' |
| L66 | N00°35'50"W | 20.00' |

### LINE TABLE

| LINE | BEARING | LENGTH |
|---|---|---|
| L67 | N89°24'10"E | 70.50' |
| L68 | S00°35'50"E | 20.00' |
| L69 | N89°24'10"E | 70.50' |
| L70 | N89°24'10"E | 70.50' |
| L71 | S00°24'40"E | 50.00' |
| L72 | S89°24'10"W | 70.50' |
| L73 | N00°24'40"W | 50.00' |
| L74 | N89°24'10"E | 84.42' |
| L75 | N89°24'10"E | 73.83' |
| L76 | S00°35'50"E | 20.00' |
| L77 | S89°24'10"W | 61.06' |
| L78 | N00°35'50"W | 20.00' |
| L79 | N89°24'10"E | 61.06' |
| L80 | N89°24'10"E | 64.94' |
| L81 | N89°24'10"E | 429.83' |

### LINE TABLE

| LINE | BEARING | LENGTH |
|---|---|---|
| L82 | N00°35'07"W | 45.00' |
| L83 | N89°24'10"E | 429.92' |
| L84 | N00°28'17"W | 45.00' |
| L85 | N89°24'10"E | 98.91' |
| L86 | N00°35'50"W | 40.00' |
| L87 | N89°24'10"E | 121.09' |
| L88 | N00°35'50"W | 40.00' |
| L89 | N89°24'10"E | 121.09' |
| L90 | N89°24'10"E | 209.91' |
| L155 | N89°24'10"E | 30.08' |
| L156 | N00°24'57"W | 45.00' |
| L157 | N89°24'10"E | 29.95' |

### POINT DATA

| Pt. No. | Station | OffSet | Northing | Easting | Description |
|---|---|---|---|---|---|
| 1313 | 426+44.07 | 75.10 L | 93021.8543 | 85541.8021 | NAIL |
| 1398 | 430+37.10 | 74.93 L | 93025.7707 | 85934.8064 | RB |
| 1399 | 432+07.13 | 74.92 L | 93027.5421 | 86104.8289 | RB |
| 1400 | 432+32.26 | 99.98 L | 93052.8563 | 86129.6936 | RB |
| 1369 | 432+56.85 | 30.13 R | 92923.0102 | 86155.6421 | RB |
| 2238 | 432+62.31 | 100.06 L | 93053.2468 | 86159.7407 | BCF |
| 1401 | 432+65.84 | 230.21 L | 93183.4264 | 86161.9209 | RB |
| 1370 | 432+86.94 | 75.08 R | 92878.3794 | 86186.2024 | IP |
| 1315 | 427+82.08 | 142.45 L | 93090.6365 | 85679.1018 | PK NAIL |
| 4803 | 432+87.07 | 30.01 R | 92923.4430 | 86185.8578 | RB |
| 1404 | 433+17.23 | 75.01 L | 93028.7774 | 86214.9936 | RB |
| 609 | 434+64.76 | 69.8 L | 93025.1069 | 86362.4985 | RB |
| 1320 | 434+86.89 | 75.13 R | 92880.4161 | 86386.1345 | IP |
| 2294 | 436+71.72 | 75.07 R | 92882.4015 | 86570.9597 | IP |

### POINT DATA

| Pt. No. | Station | OffSet | Northing | Easting | Description |
|---|---|---|---|---|---|
| 1317 | 428+27.30 | 75.01 L | 93023.6738 | 85725.0212 | RB |
| 1399 | 432+07.13 | 74.92 L | 93027.5421 | 86104.8289 | RB |
| 1400 | 432+32.26 | 99.98 L | 93052.8563 | 86129.6936 | RB |
| 1369 | 432+56.85 | 30.13 R | 92923.0102 | 86155.6421 | RB |
| 4802 | 427+76.92 | 139.82 R | 92808.3217 | 85676.8788 | RB |
| 1401 | 432+65.84 | 230.21 L | 93183.4264 | 86161.9209 | RB |
| 1370 | 432+86.94 | 75.08 R | 92878.3794 | 86186.2024 | IP |
| 1315 | 427+82.08 | 142.45 L | 93090.6365 | 85679.1018 | PK NAIL |
| 4803 | 432+87.07 | 30.01 R | 92923.4430 | 86185.8578 | RB |
| 1404 | 433+17.23 | 75.01 L | 93028.7774 | 86214.9936 | RB |
| 609 | 434+64.76 | 69.8 L | 93025.1069 | 86362.4985 | RB |
| 1320 | 434+86.89 | 75.13 R | 92880.4161 | 86386.1345 | IP |
| 2294 | 436+71.72 | 75.07 R | 92882.4015 | 86570.9597 | IP |

### POINT DATA

| Pt. No. | Station | OffSet | Northing | Easting | Description |
|---|---|---|---|---|---|
| 1319 | 436+82.24 | 74.97 L | 93032.5377 | 86579.9094 | RB |
| 1408 | 437+56.65 | 100.11 R | 92857.6184 | 86596.2550 | IP |
| 1406 | 437+81.74 | 99.95 R | 92858.4083 | 86656.1452 | IP |
| 1407 | 437+81.74 | 75.09 R | 92883.5273 | 86680.9754 | IP |

| Revision Description | Date |
|---|---|
| MDC/JDB/BGN | 12 2011 |
| JVK | 12 2011 |
| GM | 12 2011 |
| AH | 12 2011 |

Designed
Drawn
Checked
Proj. Eng.

Engineer

Priscilla S. Corneilo, P.E., Director

REGISTERED LAND SURVEYOR
48225
JOE KRAFT
Date Signed 6-17-14
ARIZONA U.S.A.
EXPIRES: 9.30.2014

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Engineers, Planners & Surveyors
2045 S. Vineyard, Ste. 101, Mesa, Arizona 85210
Phone (480) 503-2250 Fax (480) 503-2258

Pima County Department of Transportation

Right of Way Plans
Magee Road
La Canada to Oracle Road
Project No. 4MRLCO

| Scales | Horiz. 1" = 40' | Sheet RW 3 of RW 10 | Page 250 of 273 |
|---|---|---|---|
| | Vert. 1" = N/A | | |