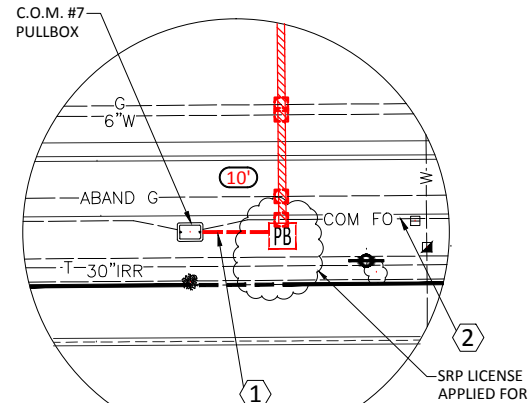
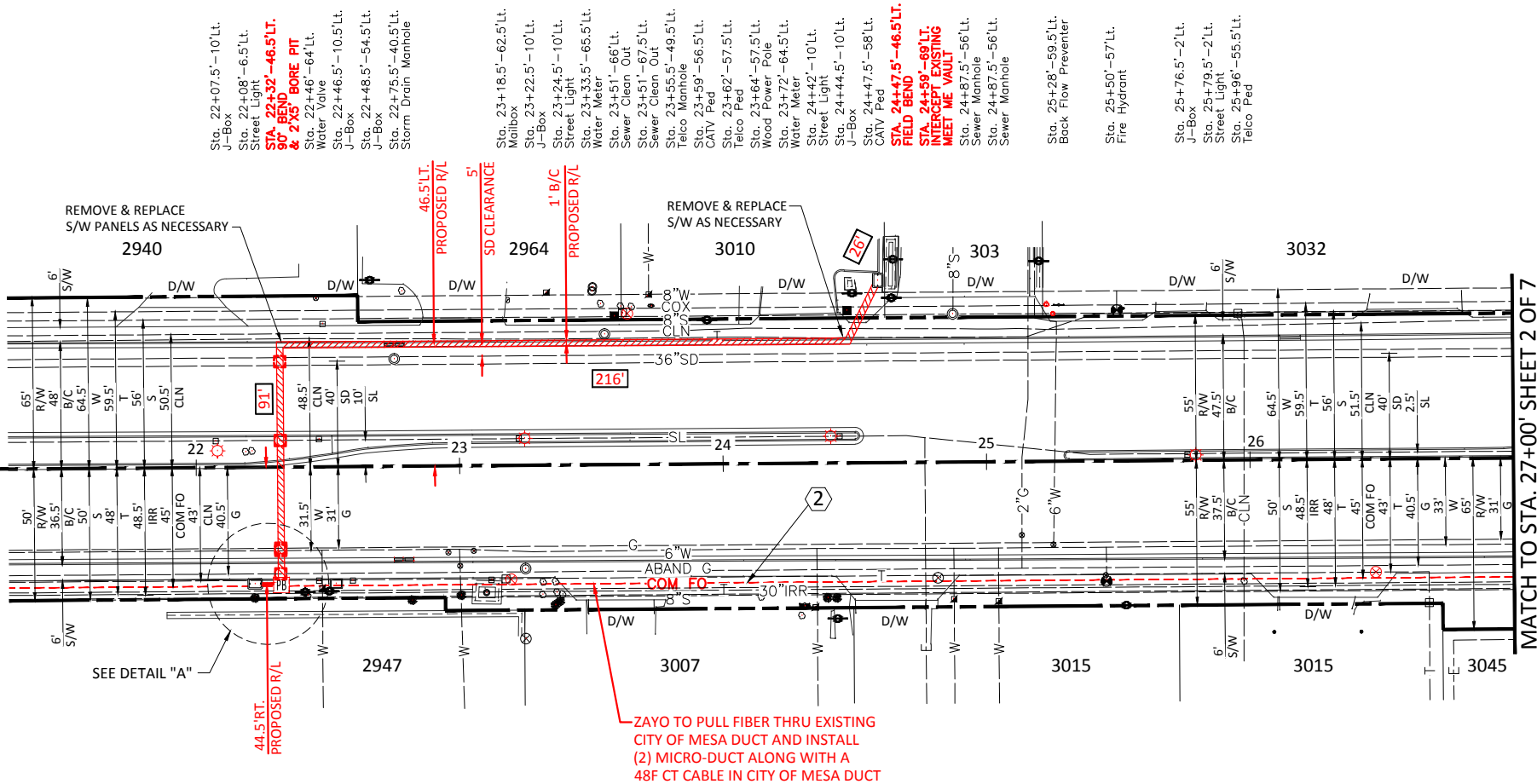


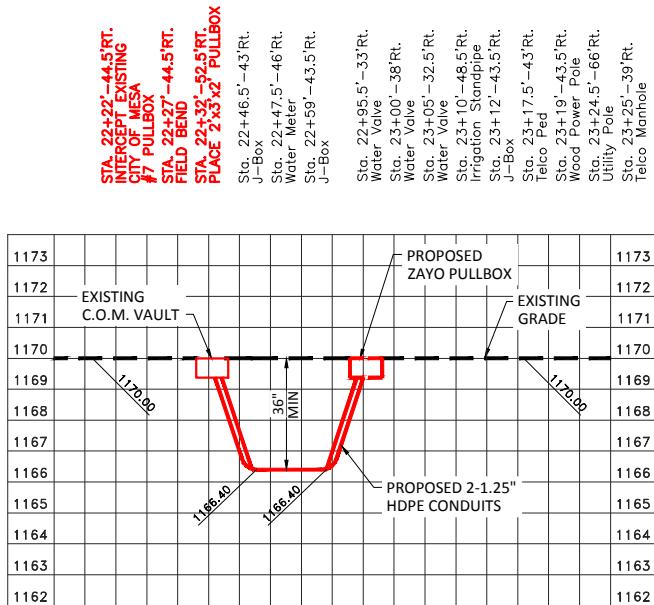
East Main Street

South Lindsay Road

STA. 10+00' (E)  
BCH FOUND

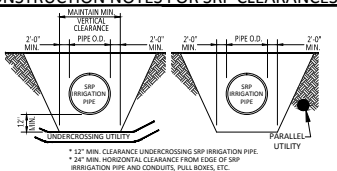


DETAIL "A"  
N.T.S.

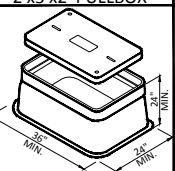


East Main Street  
Looking North  
N.T.S.

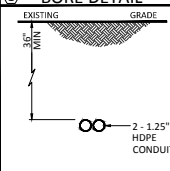
CONSTRUCTION NOTES FOR SRP CLEARANCES



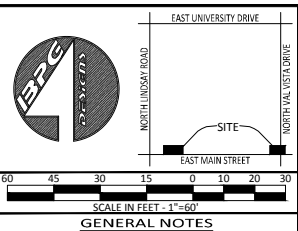
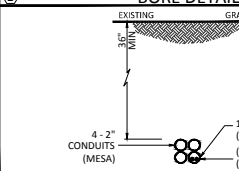
2'x3'x2' PULLBOX



BORE DETAIL



BORE DETAIL



- GENERAL NOTES**
1. ALL UTILITIES CROSSING STREETS MUST BE BORIED OR PUNCHED UNLESS PERMISSION TO CUT HAS BEEN GIVEN IN WRITING BY THE CITY ENGINEER.
  2. UTILITY COMPANIES ARE TO COORDINATE ALLEY WORK WITH THE REFUSE SECTION.
  3. THE UTILITY COMPANY SHALL CALL THE ENGINEERING DIVISION 48 HOURS IN ADVANCE OF STARTING WORK, GIVING LOCATION AND PERMIT NUMBER IN ORDER TO SCHEDULE INSPECTIONS.
  4. ALL WORK REQUIRING ASPHALT REPLACEMENT, CONCRETE REPLACEMENT, OR RESURFACING ALLEYS IN CITY RIGHT OF WAY WILL REQUIRE A FINAL INSPECTION AT TIME OF COMPLETION WITH UTILITY COMPANY REPRESENTATIVE.
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  7. ALL WORKERS AND SUPERVISORS MUST WEAR HARDHATS AND SAFETY VESTS WHEN WORKING IN THE STREETS AND RIGHT OF WAY.
  8. MAINTAIN 2' HORIZONTAL & 1' VERTICAL CLEARANCES FROM EXISTING FACILITIES UNLESS OTHERWISE APPROVED IN ADVANCE.
  9. HAND EXCAVATE WHEN WORKING 2' OR LESS FROM OTHER FACILITIES AND SUPPORT ALL CROSSED UTILITIES UNCOVERED FOR MORE THAN 4'.
  10. CUSTOMER AT ITS OWN COST AND EXPENSE SHALL RESTORE THE RIGHTS OF WAY IN A MANNER APPROVED BY THE CITY ENGINEER AND SHALL INCLUDE LANDSCAPE, STREET, SIDEWALKS AND ALLEYWAYS.

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**CONSTRUCTION NOTES:**  
INSTALL WARNING TAPE IN ALL TRENCHES (A MINIMUM OF 18" BUT NOT TO EXCEED 30" BELOW EXISTING GRADE) AS PER MAG SPEC. 360.3



LEGEND	
PROPOSED	EXISTING
RISER	FIRE HYDRANT
BORE FOOTAGE	UTILITY VALVE
TRENCH FOOTAGE	UTILITY METER
ASPHALT CUT FOOTAGE	BRASS CAP
ASPHALT CUT	UTILITY MANHOLE
BORE	CATY PEDESTAL
TRENCH	UTILITY PEDESTAL
VAULT	TRAFFIC SIGNAL
PULLBOX	TRANSFORMER
HANDHOLE	J-BOX
MANHOLE	POWER SUPPLY
CATY PEDESTAL	WOOD POWER POLE
POWER SUPPLY	STEEL POWER POLE
CATY CABINET	WOOD TRANSMISSION POLE
BACK FLOW PREVENTER	STEEL TRANSMISSION POLE
POT HOLE	UTILITY CABINET
BORE PIT	JUNCTION BOX
	VAULT
	BACK FLOW PREVENTER
	BRIGATION CONTROL VALVE
	POLE ANCHOR
	FENCE
	BLOCK WALL

UTILITY RESEARCH	
RIGHT OF WAY	5-63, 5-64, 6-63, 6-64
WATER	5-63, 5-64, 6-63, 6-64
SEWER	5-63, 5-64, 6-63, 6-64
GAS	5-63, 5-64, 6-63, 6-64
STORM DRAIN	PER FIELD
ELECTRIC	5-63, 5-64, 6-63, 6-64
TELEPHONE	5-63, 5-64, 6-63, 6-64
CATV	PER FIELD
TRAFFIC SIGNALS	PER FIELD
RW/CV/STP/IR/IR/IR	A-099-0315

REVISION A	4/8/15 - REVISED R/L PER CITY CONFLICTS/ADDED SHEETS
REVISION B	
REVISION C	

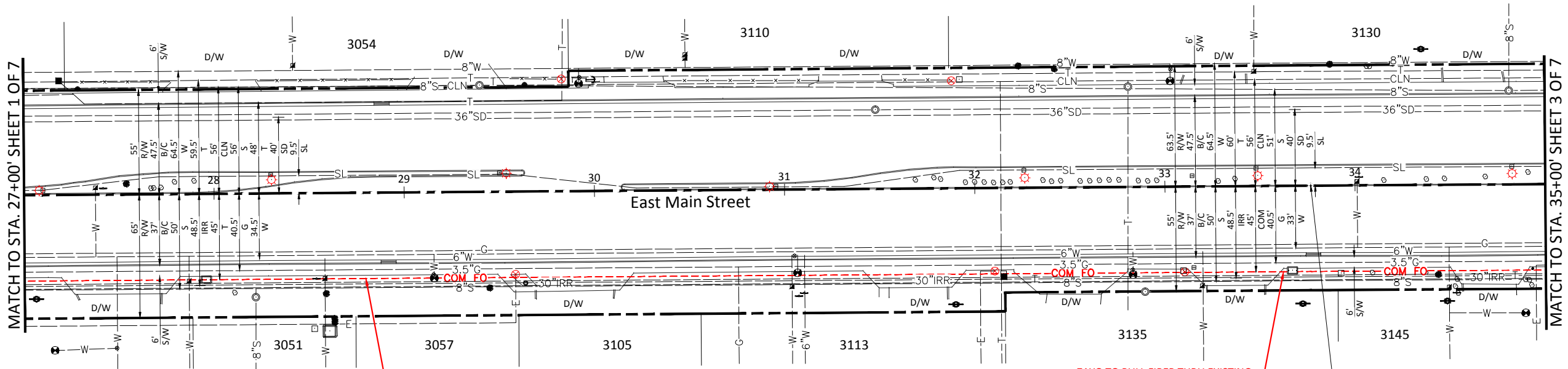
PROPOSED FOOTAGE	
ASPHALT CUT: -	TRENCH: 10'
BORE: 333'	TOTAL: 343'
PROJECT TOTAL: 372'	



J Street  
North Val Vista Drive  
& East Main Street

TOWNSHIP AND RANGE		QUARTER SECTION NO.	
T1N-R6E 20NW, T1N-R6E 20SE	6-63, 6-64	6-63, 6-64	
T1N-R6E 20SW, T1N-R6E 20SE	5-63, 5-64		
CITY/TOWNSHIP		DRAWING NO.	
City of Mesa	N/A	E12754	
DATE	2/10/15	SHEET NO.	1 OF 7

DRAWN BY: 2307 SOUTH HAN, AVENUE, SUITE 200, MESA, AZ 85204-2208 (602) 964-2323 FAX (602) 964-2301 WWW.ZAYOGROUP.COM



MATCH TO STA. 27+00' SHEET 1 OF 7

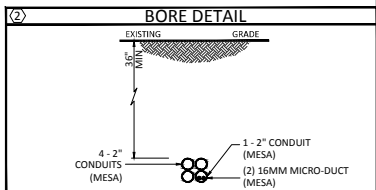
MATCH TO STA. 35+00' SHEET 3 OF 7

STA. 27+95.63' - 45.18' RT.  
C.O.M. VAULT

ZAYO TO PULL FIBER THRU EXISTING  
CITY OF MESA DUCT AND INSTALL  
(2) MICRO-DUCT ALONG WITH A  
48F CT CABLE IN CITY OF MESA DUCT

ZAYO TO PULL FIBER THRU EXISTING  
CITY OF MESA DUCT AND INSTALL  
(2) MICRO-DUCT ALONG WITH A  
48F CT CABLE IN CITY OF MESA DUCT

STA. 33+66.81' - 44.58' RT.  
C.O.M. VAULT



EAST UNIVERSITY DRIVE

NORTH VAL VISTA DRIVE

EAST MAIN STREET

SITE

60 45 30 15 0 10 20 30

SCALE IN FEET - 1"=60'

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Call at least two full working days before you begin excavating

Dial 8-1-1 or 1-800-STAKE-IT (782-5348)  
In Maricopa County: (602) 263-1100

**LEGEND**

PROPOSED	EXISTING
RISER	FIRE HYDRANT
BORE FOOTAGE	UTILITY VALVE
TRENCH FOOTAGE	UTILITY METER
ASPHALT CUT FOOTAGE	BRASS CAP
BORE	UTILITY MANHOLE
TRENCH	CULVERT PEDESTAL
J-BOX	UTILITY PEDESTAL
VAULT	TRAFFIC SIGNAL
PULLBOX	TRANSFORMER
HANDHOLE	STREET LIGHT
MANHOLE	POWER SUPPLY
CULVERT PEDESTAL	WOOD POWER POLE
POWER SUPPLY	STEEL POWER POLE
CULVERT CABINET	WOOD TRANSMISSION POLE
BACK FLOW PREVENTER	STEEL TRANSMISSION POLE
BRIDGATION CONTROL VALVE	UTILITY CABINET
POT HOLE	JUNCTION BOX
BORE PIT	VAULT
	FENCE
	BLOCK WALL

**UTILITY RESEARCH**

RIGHT OF WAY	DATE
WATER	5-63, 5-64, 6-63, 6-64
SEWER	5-63, 5-64, 5-63, 6-64
GAS	5-63, 5-64, 6-63, 6-64
STORM DRAIN	PER FIELD
ELECTRIC	5-63, 5-64, 6-63, 6-64
TELEPHONE	5-63, 5-64, 6-63, 6-64
CATV	PER FIELD
TRAFFIC SIGNALS	PER FIELD
R/W/C/S/SP/R/D/FIBRE	A-099-0315

REVISION A 4/8/15 - REVISED R/L PER CITY CONFLICTS/ADDED SHEETS  
REVISION B  
REVISION C

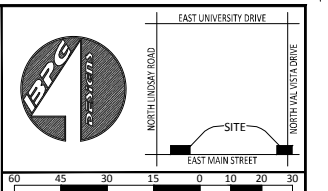
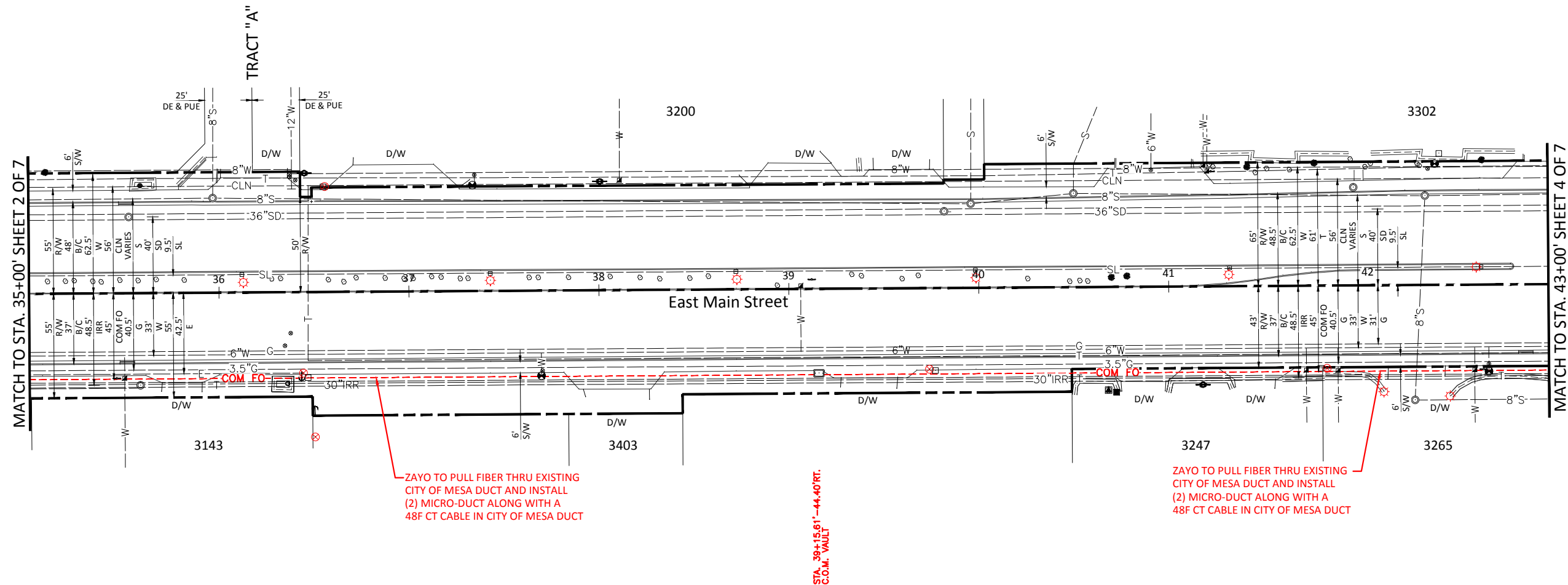
**PROPOSED FOOTAGE**

ASPHALT CUT: -	TRENCH: -
BORE: -	TOTAL: -

**J Street  
North Val Vista Drive  
& East Main Street**

TOWNSHIP AND RANGE	QUARTER SECTION NO.
T1N-R6E 20NW, T1N-R6E 20NE	6-63, 6-64
T1N-R6E 20SW, T1N-R6E 20SE	5-63, 5-64
CITY/TOWN/COUNTY	R/R
City of Mesa	N/A
DATE	SHEET NO.
2/10/15	2 of 7
DRAWING NO.	E12754








































DRAWN BY 2307 SOUTH HANLEY AVENUE, SUITE 200  
MESA, AZ 85204 (602) 964-2282  
WWW.BPGENGINEERS.COM



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PROPOSED		EXISTING	
	RISER		FIRE HYDRANT
	BORE FOOTAGE		UTILITY VALVE
	TRENCH FOOTAGE		UTILITY METER
	ASPHALT CUT FOOTAGE		BRASS CAP
	ASPHALT CUT		UTILITY MANHOLE
	BORE		CATV PEDESTAL
	TRENCH		UTILITY PEDESTAL
	J-BOX		TRAFFIC SIGNAL
	VAULT		TRANSFORMER
	PULLBOX		STREET LIGHT
	HANDHOLE		POWER SUPPLY
	MANHOLE		WOOD POWER POLE
	CATV PEDESTAL		WOOD TRANSMISSION POLE
	POWER SUPPLY		STEEL TRANSMISSION POLE
	CATV CABINET		UTILITY CABINET
	POT HOLE		JUNCTION BOX
	BORE PIT		VAULT
			BACK FLOW PREVENTER
			IRRIGATION CONTROLLER VALVE
			POLE ANCHOR
			FENCE
			BLOCK WALL

UTILITY RESEARCH		
DESCRIPTION	MAP NUMBER	
RIGHT OF WAY	5-63, 5-64, 6-63, 6-64	
WATER	5-63, 5-64, 6-63, 6-64	
SEWER	5-63, 5-64, 6-63, 6-64	
GAS	5-63, 5-64, 6-63, 6-64	
STORM DRAIN	PER FIELD	
ELECTRIC	5-63, 5-64, 6-63, 6-64	
TELEPHONE	5-63, 5-64, 6-63, 6-64	
CATV	PER FIELD	
TRAFFIC SIGNALS	PER FIELD	
RW/C/D/SP/RID/UR/RG	A-099-0515	

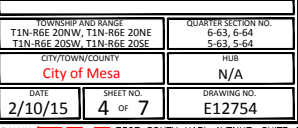
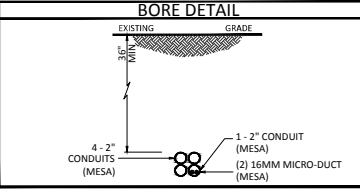
REVISION A	4/8/15 - REVISED R/L PER CITY CONFLICTS/ADDED SHEETS
REVISION B	
REVISION C	

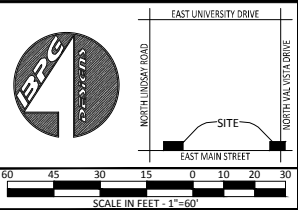
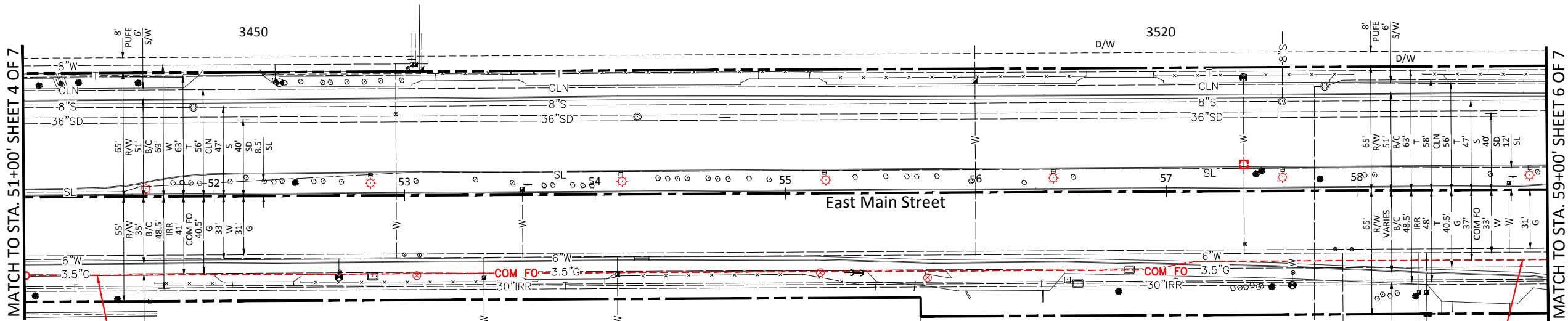
PROPOSED FOOTAGE	
ASPHALT CUT: -	TRENCH: -
BORE: -	TOTAL: -



J Street  
North Val Vista Drive  
& East Main Street

TOWNSHIP AND RANGE T1N-R6E 20NW, T1N-R6E 20NE T1N-R6E 20SW, T1N-R6E 20SE		QUARTER SECTION NO. 6-63, 6-64 5-63, 5-64
CITY/TOWN/COUNTY <b>City of Mesa</b>		HUB N/A
DATE 2/10/15	SHEET NO. 3 OF 7	DRAWING NO. E12754





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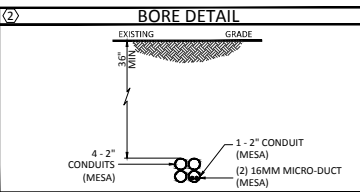
LEGEND	
PROPOSED	EXISTING
RISER	FIRE HYDRANT
BORE FOOTAGE	UTILITY VALVE
TRENCH FOOTAGE	UTILITY METER
ASPHALT CUT	BRASS CAP
BORE	UTILITY MANHOLE
TRENCH	CATY PEDESTAL
J-BOX	UTILITY PEDESTAL
VAULT	TRAFFIC SIGNAL
PULLBOX	TRANSFORMER
HANDHOLE	STREET LIGHT
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POWER SUPPLY	STEEL POWER POLE
CATY CABINET	WOOD TRANSMISSION POLE
POTHOLE	STEEL TRANSMISSION POLE
BORE PIT	UTILITY CABINET
	JUNCTION BOX
	VAULT
	BACK FLOW PREVENTER
	IRRIGATION CONTROL VALVE
	POLE ANCHOR
	FENCE
	BLOCK WALL

UTILITY RESEARCH	
RIGHT OF WAY	MAP NUMBER
WATER	5-63, 5-64, 6-63, 6-64
SEWER	5-63, 5-64, 6-63, 6-64
GAS	5-63, 5-64, 6-63, 6-64
STORM DRAIN	PER FIELD
ELECTRIC	5-63, 5-64, 6-63, 6-64
TELEPHONE	5-63, 5-64, 6-63, 6-64
CATV	PER FIELD
TRAFFIC SIGNALS	PER FIELD
R/W/C/D/STP/R/D/IR/RIG	A-099-0515

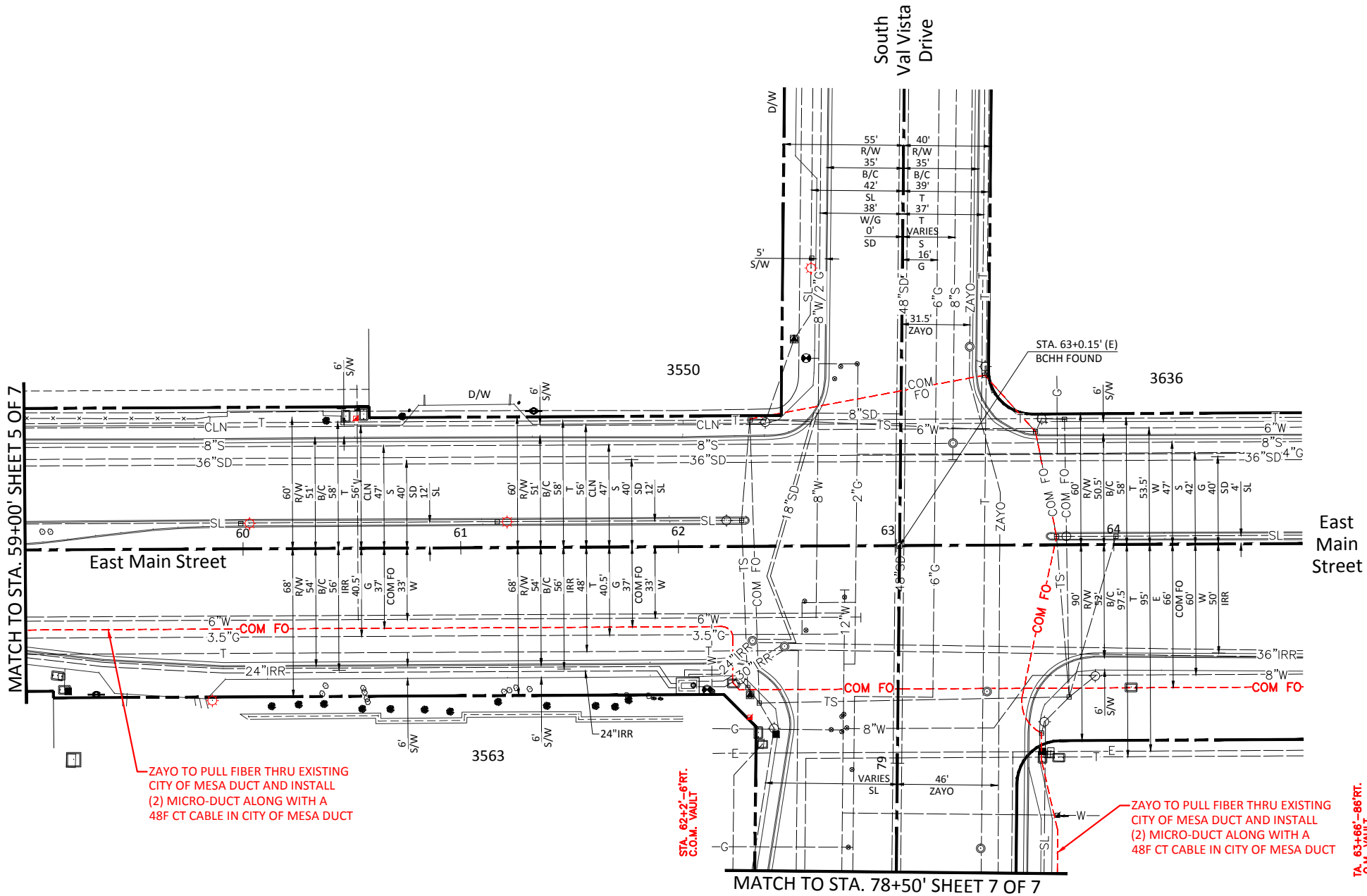
REVISION A	4/8/15 - REVISED R/L PER CITY CONFLICTS/ADDED SHEETS
REVISION B	
REVISION C	

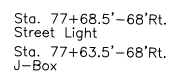
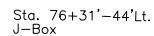
PROPOSED FOOTAGE	
ASPHALT CUT: -	TRENCH: -
BORE: -	TOTAL: -

<b>zayo GROUP</b>	
J Street North Val Vista Drive & East Main Street	
TOWNSHIP AND RANGE T1N-R6E 20NW, T1N-R6E 20SE	QUARTER SECTION NO. 6-63, 6-64 5-63, 5-64
CITY/TOWN/COUNTY City of Mesa	SUB N/A
DATE 2/10/15	DRAWING NO. E12754
SHEET NO. 5 of 7	





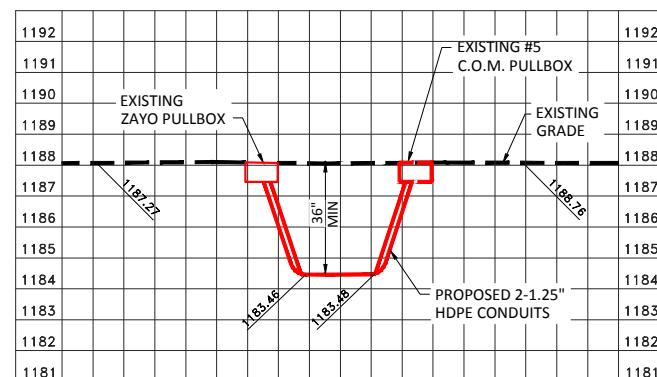




Sta. 76+93.5' - 75.5' Rt.  
Water Valve  
Sta. 76+84.5' - 28' Rt.  
Sewer Manhole

STA. 76+44.5'-74'RT.  
INTERCEPT EXISTING  
C.O.M. #5 PULLBOX & REPLACE  
WITH C.O.M. #9 PULLBOX  
STA. 76+40'-68.5'RT.  
FIELD BEND  
STA. 76+40'-46'RT.  
INTERCEPT EXISTING  
ZAYO PULLBOX

Sta. 76+35.5'-74'Rt.  
J-Box  
Sta. 76+30.5'-78'Rt.  
J-Box  
Sta. 76+20'-28'Rt.  
Sewer Manhole



South Val Vista Drive  
Looking North

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- ALL UTILITIES CROSSING STREETS MUST BE BORED OR PUNCHED UNLESS PERMISSION TO CUT HAS BEEN GIVEN IN WRITING BY THE CITY ENGINEER. ALL COMPANIES ARE TO COORDINATE ALL WORK WITH THE REFUSE SECTION.
- THE CITY ENGINEER SHALL CALL THE ENGINEERING DIVISION 48 HOURS IN ADVANCE TO FIELD EXISTING UTILITIES AND TO OBTAIN THE UTILITY NUMBER IN ORDER TO SCHEDULE INSPECTIONS.
- ALL WORK REQUIRING ASPHALT REPLACEMENT, CONCRETE AND CURB REPAIRS, OR ANY OTHER TYPE OF PAVEMENT REPAIRS, SHALL BE ACCOMPANIED BY A FINAL INSPECTION AT TIME OF COMPLETION WITH UTILITY COMPANY REPRESENTATIVE.
- ALL WORK PERFORMED IN THE CITY, TOWN OR COUNTY RIGHT OF WAY SHALL BE GOVERNED BY THE LATEST TRAFFIC CONTROL AND BARRICADE MANUAL.
- ALL CONSTRUCTION WILL BE PERFORMED ACCORDING TO MUNICIPALITY STANDARDS.
- ALL WORKERS AND SUPERVISORS MUST WEAR HARDBATS AND SAFETY VESTS WHEN WORKING IN THE STREETS AND RIGHT-OF-WAY.
- ALL EXISTING UTILITIES SHALL BE MAINTAINED AND NOT REMOVED. EXISTING FACILITIES UNLESS OTHERWISE AVOIDED IN ADVANCE.
- EXCAVATE WHEN WORKING 2' OR LESS FROM OTHER FACILITIES OR EXISTING CURB OR SIDEWALKS. EXCAVATE WHEN WORKING 2' OR MORE FROM OTHER FACILITIES OR EXISTING CURB OR SIDEWALKS.
- CUSTOMER AT ITS OWN COST AND EXPENSE SHALL RESTORE THE RIGHTS OF WAY TO ORIGINAL CONDITION. THE CITY ENGINEER SHALL BE REQUIRED TO INSPECT AND APPROVE ALL REPAIRS. REPAIRS SHALL INCLUDE LANDSCAPE, STREET, SIDEWALKS AND ALLWAYS.

## NOTICE TO PLANHOLDER:

THE UTILITY LOCATIONS AND OTHER FACILITIES SHOWN ON THIS DRAWING ARE REPRESENTATIVE OF INFORMATION FURNISHED BY OTHER PARTIES. IT IS INTENDED FOR REFERENCE ONLY. CONTRACTOR IS REQUIRED TO CONTACT BLUE STAKE CENTER, 602-263-1100 PRIOR TO STARTING CONSTRUCTION AND IS BOUND BY THEIR LAWS AND ORDINANCES.

CONSTRUCTION NOTES:

INSTALL WARNING TAPE IN ALL TRENCHES (A MINIMUM OF 18"-BUT NOT TO EXCEED 30" BELOW EXISTING GRADE) AS PER MAG SPEC. 360.3



### LEGEND

PROPOSED		EXISTING	
	RISER		FIRE HYDRANT
	BORE FOOTAGE		UTILITY VALVE
	TRENCH FOOTAGE		UTILITY METER
	ASPHALT CUT FOOTAGE		BRASS CAP
	ASPHALT CUT		UTILITY MANHOLE
	BORE		CATV PEDESTAL
	TRENCH		UTILITY PEDESTAL
	1/8"		TRAFFIC SIGNAL
	1/4"		STREET LIGHT
	3/8"		POWER SUPPLY
	1/2"		WOOD POWER POLE
	3/4"		STEEL POWER POLE
	1"		WOOD TRANSMISSION POLE
	1 1/8"		STEEL TRANSMISSION POLE
	1 1/4"		UTILITY CABINET
	1 3/8"		JUNCTION BOX
	1 1/2"		VAULT
	1 3/4"		BACK FLOW PREVENTER
	2"		REGULATION CONTROL VALVE
	2 1/8"		GATE VALVE
	2 1/4"		FENCE
	2 3/8"		BLOCK WALL
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## UTILITY RESEARCH

DESCRIPTION	MAP NUMBER
RIGHT OF WAY	5-63, 5-64, 6-63, 6-64
WATER	5-63, 5-64, 6-63, 6-64
SEWER	5-63, 5-64, 6-63, 6-64
GAS	5-63, 5-64, 6-63, 6-64
STORM DRAIN	PER FIELD
ELECTRIC	5-63, 5-64, 6-63, 6-64
TELEPHONE	5-63, 5-64, 6-63, 6-64
CATV	PER FIELD
TRAFFIC SIGNALS	PER FIELD
RWCD/SRP/RID/ARRG	A-099.0515

REVISION A	4/8/15 - REVISED R/L PER CITY CONFLICTS/ADDED SHEETS
REVISION B	
REVISION C	

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PROPOSED FOOTAGE

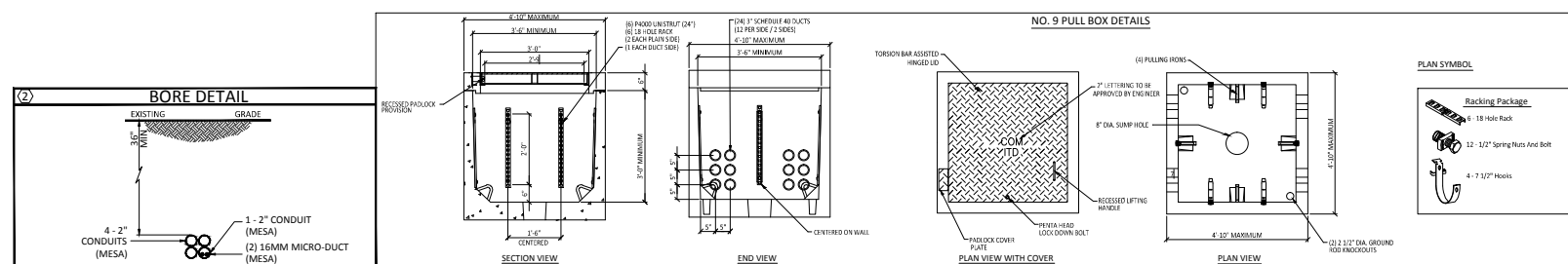
ASPHALT CUT: -	TRENCH: 29'
BORE: -	TOTAL: 29'



J Street  
North Val Vista Drive  
& East Main Street

TOWNSHIP AND RANGE T1N-R6E 20NW, T1N-R6E 20NE T1N-R6E 20SW, T1N-R6E 20SE		QUARTER SECTION NO. 6-63, 6-64 5-63, 5-64
CITY/TOWN/COUNTY <b>City of Mesa</b>		HUB N/A
DATE <b>2/10/15</b>	SHEET NO. <b>7 OF 7</b>	DRAWING NO. <b>E12754</b>

DRAWN BY **EPG** 7307 SOUTH HARL AVENUE, SUITE  
TEMPE, AZ. 85283  
(602)954-2223 FAX (602)954-0600  
WWW.BROOKSHAW.COM



GENERAL NOTE:

2. U/S SHALL OPEN 200 OR EQUIV. WITH A TORQSON BRILLIT ADJUST.
3. U/S SHALL BE ENHANCED PLATE AND HAVE GALVANIZED FORM.
4. CORROSION-INHIBITIVE SHALL BE CHROMIUM PLATED.
5. RECESSED PLATE/COVER MATERIAL LOCATION/REPAIRS SHALL BE ON THE OPENING SIDE OF THE COVER.
6. PULLING RODS SHALL BE IDENTIFIED AS SHOWN IN PLAN VIEW, NO IDENTIFIERS EXCEPTED.
7. PULLING RODS SHALL BE:

STRUCTURAL NOTES:

1. CONCRETE: 28-DAY COMPRESSIVE STRENGTH  $F'_c = 4500$  PSI
2. REINSTEEL: A603 GR60 DE
3. WELD: A574-4.0S GR60 DE
4. DESIGNING: 168-90 BULBING CODE
5. LOADS: HS 20 TRUCK WEIRHS WITH 10% IMPACT PER AASHTO  
A18.83-1971; 18 IN. MIN. SLAB THICK. USING DESIGN JOINTS ON  
UNDERGROUND PRECAST CONCRETE UTILITY STRUCTURES