

UMATILLA CITY PLANNING COMMISSION  
MEETING AGENDA  
May 22, 2018 - 6:30 P.M.  
Umatilla City Hall, Council Chambers

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- I. CALL TO ORDER & ROLL CALL
  
- II. APPROVAL OF MINUTES: April 24, 2018 minutes
  
- III. UNFINISHED BUSINESS: None
  
- IV. NEW BUSINESS:
  - A. **Zayo Conditional Use CU-4-18 (amended):** The applicant, Zayo Group LLC, requests approval to establish fiber optic lines. The applicant has received approval for the portion of the line within the existing rights of way of Brownell Boulevard, Columbia Boulevard, Willamette Avenue, Riverside Avenue, Wildwood Lane, Roxbury Road, Beach Access Road, Umatilla River Road, Lind Road, Highway 730 and Highway 395. The applicant is now requesting to amend the application to include the portion of the line that crosses private property. The property is identified as Tax Lots 1800, 1801 and 1802 on Assessor's Map 5N2822 and Tax Lot 2700 on Assessor's Map 5N2811. Zayo Group LLC, applicant. Port of Umatilla, Ronald Williams, Ken Bonney, Janet Bonney and Betty Hiatt, property owners.
  
- V. DISCUSSION ITEMS:
  
- VI. INFORMATIONAL ITEMS:
  
- VII. ADJOURNMENT

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**CITY OF UMATILLA  
PLANNING COMMISSION  
April 24, 2018  
\*\*\*Draft Minutes\*\*\*  
COUNCIL CHAMBERS**

- I. CALL TO ORDER:** Planning Commission, Chair, Smith called the meeting to order at 6:34 p.m.
- II. ROLL CALL:**
- A. **Present:** Chair, Lyle Smith, Vice Chair, Heidi Sipe, Commissioners Jodi Hinsley, Kelly Nobles, and Ramona Anderson.
  - B. **Absent:** Craig Simson.
  - C. **Late arrival:**
  - D. **Staff present:** City Planner Brandon Seitz and Community Development Coordinator, Esmeralda Horn
- III. APPROVAL OF MINUTES:** For March 27, 2018 approved upon review of hours of operation mentioned for Bunn Conditional Use CU-3-18.  
Motion to approve minutes for March 27, 2018 by Commissioner Sipe.  
Commissioner Nobles seconded the motion. Voted: 4-0. Motion carried.
- IV. UNFINISHED BUSINESS:**
- A. **Bunn Conditional Use CU-3-18:** The applicant, Steve Bunn, requests approval to establish a pool hall including similar recreational/amusement services.

Chair Smith, opened the public hearing for CU-3-18. Chair, Smith, read the procedures for the public hearing. Chair, Smith, requested a motion.

Motion to open hearing made by Commissioner Sipe, motioned second by Commissioner Anderson. Motion carried. Chair Smith, now calls for staff report.

City Planner, Brandon, stated requested use is to open pool hall and other games and also serve beer and food. This building has already met all design criteria when the existing use was established. Upon discussion with City Manager and Community Development Director it was determined that it is unfair to applicant to be the only one that is subject to annual review. Conclusion was to remove condition of approval and that the applicant submit a site plan which showed that at least 50% of floor space be dedicated for recreational use. This will allow him to continue to pursue the pool hall and will let us know that it will be used for it's intention. This is what Brandon believes to be fair.

Commissioner Nobles, questions if the gentlemen's ceases to operate is it possible that Mr. Bunn can bring it back.

City Planner, Brandon, states if he ceases or discontinues the business after 1 year he loses his right to reestablish. Mr. Bunn would carry the burden of proof to prove that it has been operating as a gentlemen's club, but he could add a condition to CU-3-18 if

need be. The clock starts when he ceases operation of gentlemen's club. Brandon believes it is reasonable after 6 months of operation if Mr. Bunn would like to go back to the gentlemen's club he would require Mr. Bunn to do the non-conforming use verification.

Commissioner Hinsley asked if the site plan stated there would be a kitchen or menu.

City Planner, Brandon states that is not required as part of the conditional use but that may be required for another entity such as County Environmental Health. Realistically he could open the pool hall without offering food. He can offer alcohol as a secondary use to pool hall.

Chair, Smith, opens for public testimony;

No testimony in support, opposition, neutral or rebuttal.

Chair, Smith, called for a motion. Motion to close the hearing by Commissioner Hinsley. Motion was second by Commissioner Anderson. Voted: 4-0. Motion carried. No further discussion.

Chair, Smith, calls for a motion to approve.

Motion to approve by Commissioner Nobles. Motion was seconded by Commissioner Anderson. Voted 3-1. Motion carried.

## V. NEW BUSINESS:

- A. **Zayo Conditional Use CU-4-18:** The applicant, Zayo Group LLC, requests approval to establish fiber optic lines primarily within existing rights of way. Fiber optic lines are considered a community services use under Chapter 6 of the City of Umatilla Zoning Ordinance which requires conditional use approval. The proposed fiber optic lines would be installed underground within existing rights of way of Brownell Boulevard, Columbia Boulevard, Willamette Avenue, Riverside Avenue, Wildwood Lane, Roxbury Road, Beach Access Road, Umatilla River Road, Lind Road, Highway 730 and Highway 395.

City Planner, Brandon, stated applicant is proposing to install fiber optic lines within city, county, and state rights of way. The line will cross private property in two locations. Since submittal of this application the applicant has obtained signatures from property owners so application will be amended in next months hearing. Fiber optic lines are considered community service use under our code which is allowed in any zoning. Primary consideration is impact during construction. Interruption should be minimal.

Chair, Smith, called for public testimony;

Dan Barcomb, 8516 Nash Drive Pasco, WA 99301. Mr. Barcomb representing Zayo Group, LLC states he is present to answer any questions that arise.

Question from audience to Mr. Barcomb addressing for timeframe for completion of work.

Mr. Barcomb states they have hit a roadblock at the moment but hopes to be completed with the work by end of year 2018. Keep in mind that he is waiting to hear from other agencies before he can cross their lines, so this is just an estimated time frame best case scenario it all goes as planned. Most work within City limits is anticipated to be finished by end of June 2018.

Chair Smith calls for testimony in support, opposition, neutral or rebuttal.

Ken Morris, 81985 Lind Rd. Mr. Morris is concerned about his well location which is 15' from where they are digging to his well and possibility of contamination.

Mr. Barcomb, representative for Zayo Group, LLC states best case scenario they don't damage any property while in construction. He will see if there is an alternative route or if they could possibly go out further. Mr. Barcomb said if there is any damage made he will make sure he does right and fix anything that is damaged.

Darla Huxel, Chief Police, representing public agency is concerned of construction on Columbia Blvd in McNary during school hours as it is a highly congested street.

Mr. Barcomb, representative for Zayo Group, LLC states because of the current setback he has he sees no problem in waiting to do construction in that area until after school is out. Should only take a week and they may commence work second week of June.

Chair, Smith, called for a motion. Motion to close the hearing by Commissioner Sipe. Motion was second by Commissioner Hinsley. Voted: 4-0. Motion carried. No further discussion.

Motion to approve made by Commissioner Sipe, motion was second by Commissioner Nobles. Voted: 4-0. Motion carried.

## **VI. DISCUSSION ITEMS:**

### **A. DLCD Guidance on implementing ADUs (SB 1051) DLCD Guidance on implementing ADUs (SB 1051)**

City Planner, Brandon Seitz, states City will need to amend its zoning ordinance to allow ADUs anywhere single-family residence is allowed. This packet serves as a guide for sizing standards, parking standards, etc. This bill has an affect of doubling our density of single family zoning within our City. You can convert sheds or put new one in but will need to meet Building Code Standards. You can do an ADU attached or detached.

## **II. INFORMATIONAL ITEMS:**

## **III. ADJOURNMENT**

Adjourned at 7: 28pm. Next Meeting May 22, 2018 at 6:30pm

**CITY OF UMATILLA PLANNING COMMISSION  
REPORT AND RECOMMENDATION  
FOR  
CONDITIONAL USE CU-4-18**

**DATE OF HEARING:** May 22, 2018

**REPORT PREPARED BY:** Brandon Seitz, City Planner

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**I. GENERAL INFORMATION AND FACTS**

**Applicant:** Zayo Group LLC, 18110 SE 34<sup>th</sup> St Building 1, Suite 100, Vancouver WA, 98683.

**Land Use Review:** Conditional use for a fiber optic system as a utility facility/community service use.

**Property Description:** Within existing rights of way of Brownell Boulevard, Columbia Boulevard, Willamette Avenue, Riverside Avenue, Wildwood Lane, Roxbury Road, Beach Access Road, Umatilla River Road, Lind Road, Highway 730 and Highway 395. The line will also cross private property identified as Tax Lots 1800, 1801 and 1802 on Assessor's Map 5N2822 and Tax Lot 2700 on Assessor's Map 5N281.

**Proposed Development:** The applicant intends to construct/install multiple conduits and vault systems in support of a new fiber optic system in the City of Umatilla and urban growth area.

**II. NATURE OF REQUEST AND GENERAL FACTS**

The applicant, Zayo Group LLC, requests approval of a conditional use permit to install/construct multiple conduits and vault systems to support a new fiber optic system in the City of Umatilla and connecting urban growth area. The proposed fiber optic line installation process would consist of trenching and directional drilling in City of Umatilla, Umatilla County and ODOT rights of way. The entire project will be installed underground and all vaults/handholes will be flush mounts.

The proposed fiber optic system is considered a community services use. Community service uses may be allowed in any zoning district as a conditional use. All community service uses are required to be reviewed as conditional uses according to the procedures and criteria of Chapters 12 and 14 of the City of Umatilla Zoning Ordinance (CUZO).

**III. ANALYSIS**

The criteria applicable to this request are shown in underlined text and the responses are shown in

standard text. All of the following criteria must be satisfied in order for this request to be approved.

**CUZO 10-12-1: AUTHORIZATION TO GRANT OR DENY:**

A. Approval Criteria: The applicant shall carry the burden of proof in demonstrating that the following review criteria are satisfied, in addition to any specific criteria and standards in this Chapter, other applicable chapters of this Title, and this Code. If any of the following criteria and other applicable standards cannot be satisfied by requiring conditions with the approval, the use shall be denied:

1. Applicable Plans: The conditional use application complies with applicable policies of the Umatilla City Comprehensive Plan.

**Findings:** The CUZO implements the comprehensive plan goals and policies. If a request is found to meet or be capable of meeting the applicable standards and criteria in the CUZO the request is considered to be consistent with the comprehensive plan.

**Conclusion:** This request is found to meet or be capable of meeting all of the applicable standards and criteria in the CUZO as addressed in this report.

2. Code Provisions: The proposal complies with all applicable provisions of this Code, including, but not limited to, provisions of this Chapter, the base district, and site review, as well as any other applicable provisions of this Code.

**Findings:** This report outlines the applicable provision of the CUZO. If the request is found to meet all of the criteria addressed in this report the request will comply with this standard.

**Conclusion:** The request is found to comply with all of the applicable criteria of the CUZO as addressed in this report.

3. Use Characteristics: If the proposed use is a community service, application shall include evidence to demonstrate that the proposed use is needed within the community to provide a social or technical benefit.

**Findings:** The proposed use is a utility facility which is considered a community service use. The applicant indicated that the fiber optic line is primarily passing through the community to serve a larger, regional population, but business, public institutions or other users within the city who need high-speed fiber optic cable would be able to connect to the new system. Access to additional fiber optic lines within the community will provide greater internet bandwidth for telecommunications at speed equal to those found in larger communities and will provide residents and businesses an alternative to existing providers.

**Conclusion:** The proposed use will benefit the community by providing additional bandwidth for internet service, which can help local businesses, governmental agencies and others be more productive in the local and regional economy and make personal internet use more enjoyable from an expanded, capable and reliable network. In addition, the new system will provide an alternative to existing providers.

4. Site Characteristics: The site is appropriate for the proposed use, considering, but not limited to, the following factors: neighboring land use, adequacy of transportation facilities and access, site size and configuration, adequacy of public facilities.

**Findings:** The proposed fiber optic lines will be installed underground within the street

rights-of-way such that, when completed, the use will not be visible. Existing neighboring land uses along either side of the affected street rights-of-way may experience disruption during construction activities but long-term impacts would be minimal. The proposed fiber lines would be installed within City of Umatilla, Umatilla County and ODOT rights of way. The applicant is required to obtain approval from the appropriate permitting authority prior to commencing any construction activity.

Staff received comment from the Bureau of Reclamation concerning the proposed fiber lines. The proposed lines will cross a Bureau maintained canal. The crossing will require a permit from the Bureau of Reclamation prior to construction.

**Conclusion:** The proposed site is an underground route within existing street rights of way. The use of street right of way for utility facilities is standard practice for many utility companies and is the City's preferred location for new utilities. Once construction of the proposed fiber lines is complete there are no anticipated negative impacts to adjacent or neighboring uses. As addressed above the application will be required to obtain all of the necessary permits from the appropriate jurisdictions prior to construction activities. Therefore, the proposed site, underground within existing rights of way, is considered an appropriate location for the proposed utility facility.

5. Impacts On The Neighborhood: Potential impacts on neighboring properties shall be identified. Mitigating measures shall be identified for unavoidable adverse impacts.
6. Impacts On The Community: Potential impacts on the community shall be identified, including, but not limited to, public facilities, land supply within the particular zoning district, impact on housing, etc. Potential benefits of a proposed use may outweigh potential impacts, but such benefits and impacts should be identified. Unavoidable adverse impacts should be mitigated to the extent possible.

**Findings:** Potential negative impacts would most likely be temporary and occur during construction. Such impacts might include temporarily displaced parking in front of residences or businesses within a street right-of-way and noise from construction equipment. The applicant indicated that the proposed fiber optic line is primarily intended to serve a much larger regional area, however, the line will also be capable of serving users within the City of Umatilla. Construction activities including digging or boring have the potential to negatively impact existing utilities or street surfaces.

Construction activities have the potential for unearthing artifacts of historic or cultural significance to the Confederated Tribes of the Umatilla Indian Reservation (CTUIR). If historic, cultural or other archaeological artifacts are discovered during construction the applicant will be required to cease construction activities and notify the appropriate agencies.

**Conclusion:** The conduit, cable and vaults for the proposed fiber optic line will all be placed underground within existing street rights-of-way and there should not be any noticeable long-term impacts on neighboring or nearby properties. Some impacts from construction activities, such as noise from equipment or displaced parking may occur but should be temporary.

#### **IV. SUMMARY AND RECOMMENDATION**

The applicant, Zayo Group LLC, is requesting approval of a conditional use to install/construct multiple conduits and vault systems to support a new fiber optic system in the City of Umatilla and connecting urban growth area. The request appears to meet all of the applicable criteria and standards for this type of use. Therefore, based on the information in Sections I and II of this report, and the above criteria, findings of fact and conclusions addressed in Section III, staff recommends approval of Conditional Use, CU-4-18, subject to the conditions of approval contained in Section

#### **V. CONDITIONS OF APPROVAL**

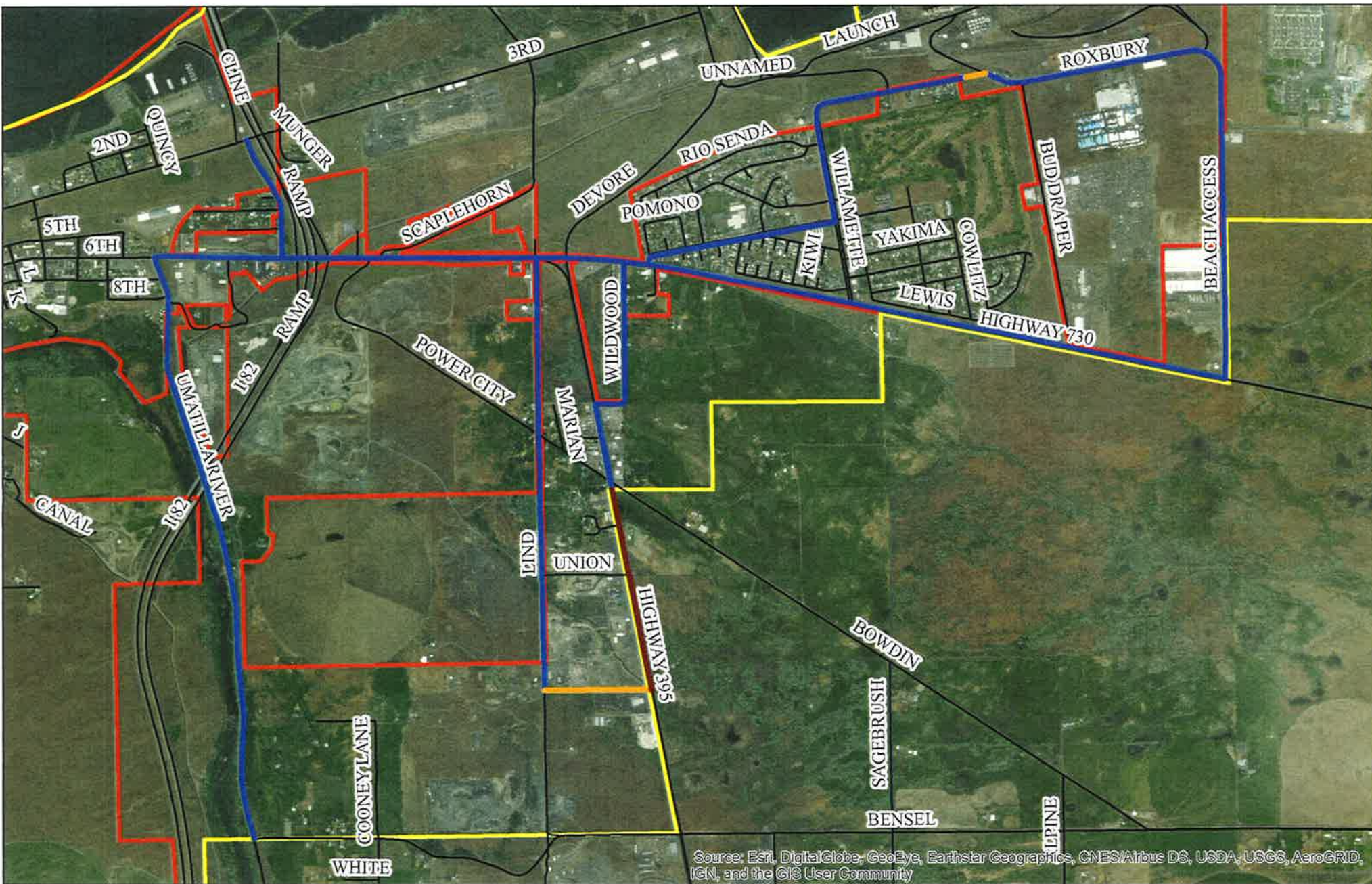
1. The applicant, or applicant's construction contractor, must obtain all federal, state and local permits, including but not limited to right-of-way permits and the applicable permit for crossing the Bureau of Reclamation canal, prior to starting construction.
2. The applicant shall be responsible for ensuring that locates for all pre-existing utilities are called for at least 48 hours in advance using the Oregon 1-800-332-2344 Call Before You Dig hotline.
3. If any historic, cultural or other archaeological artifacts, are discovered during construction and installation of the fiber optic cable or associated structures, the applicant shall immediately cease construction activity and notify the appropriate agencies including but not limited to the City of Umatilla and the Confederated Tribes of the Umatilla Indian Reservation (CTUIR) Cultural Resources Protection Program.
4. The applicant must begin construction of the proposed use within one year of the date of final approval of this request unless the applicant applies for and receives an extension prior to expiration of this approval.
5. Failure to comply with the conditions of approval established herein may result in revocation of this approval.

#### **VI. EXHIBITS**

Exhibit A – Public notice map

Exhibit B – Applicant's submitted construction plans (reduced)





Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

**Exhibit A**

**Zayo Conditional Use (CU-4-18)  
Zayo Group LLC, Applicant**

**Legend**

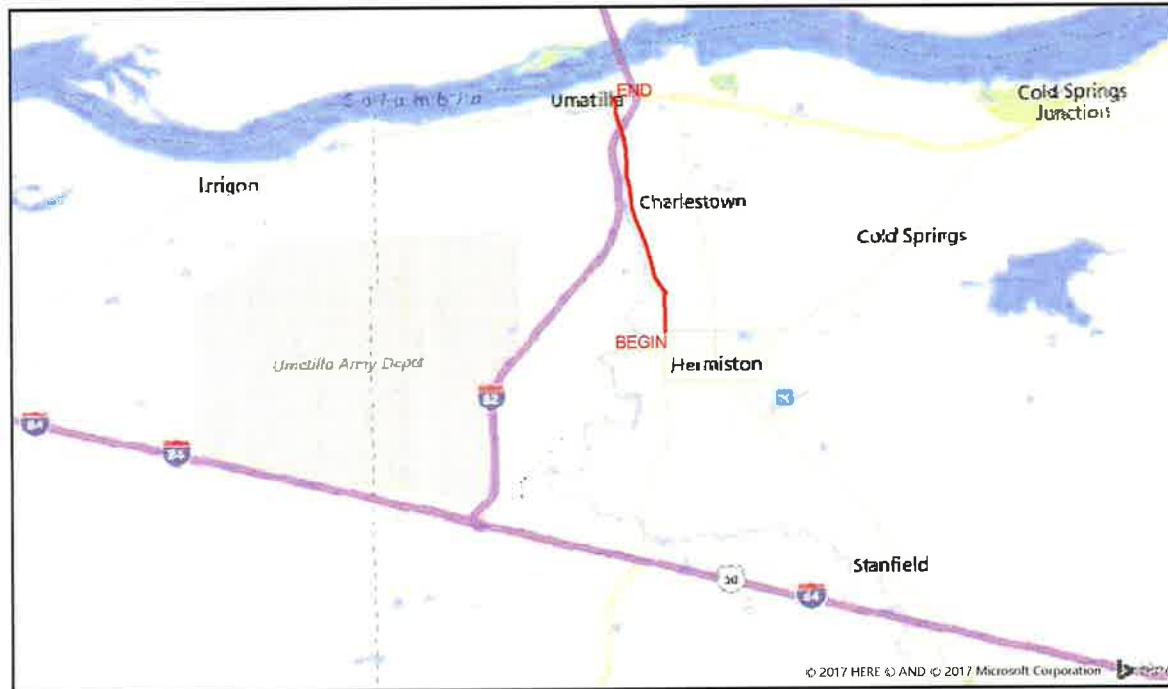
- Approved Fiber Lines
- Proposed Fiber Lines
- Not Part of Application
- Streets/Roads
- City Limits
- Urban Growth Boundary



MAP DISCLAIMER: No warranty is made as to the accuracy, reliability or completeness of this data. Map should be used for reference purposes only. Not survey grade or for legal use. Created by Brandon Seitz, on 5/2/2018

# Exhibit B

ADDRESS: 28723 WESTPORT RD, HERMISTON, OR 97838  
 PROJECT NAME: ZAYO - BOARDMAN TO UMATILLA - B1



## SITE LOCATION BILL OF MATERIALS

NEW AERIAL	=	XX FT.
OVERLASH	=	XX FT.
NEW UNDERGROUND	=	28,145 FT.
EXISTING UNDERGROUND	=	XX FT.
RISERS	=	XX FT.
ISP	=	XX FT.
TOTAL FOOTAGE	=	28,145 FT.



### CONTACTS

ZAYO CONTACT  
 DAN BARCOMB  
 22651 83RD AVE S  
 KENT, WA 98032  
 C: 509 727 3345  
 DAN.BARCOMB@ZAYO.COM

LEVI SPIRET  
 MGC TECHNICAL CONSULTING, INC.  
 6244 185TH AVE NE  
 REDMOND, WA 98052  
 C: 206 618 1603  
 LEVI@MGCTECHNICAL.COM

### SHEET INDEX

- 1 COVER SHEET / SITE LOCATION
- 2 LEGEND
- 3 GENERAL NOTES
- 4 -15 PLAN VIEW A-L
- 16 VAULT DIAGRAM
- 17 VAULT DETAILS
- 18 UNDERGROUND TYPICALS

### SCOPE OF WORK

BEGINNING AT HERMISTON CITY LIMITS,  
 PROPOSED BORE NEW (3) 2" AND (1) 1.25"  
 HDPE SDR 11 INNERDUCT, CONTINUE NORTH  
 EAST THROUGH HERMISTON TO UMATILLA  
 RIVER ROAD, HEAD NORTH ON UMATILLA  
 ROAD TO HWY 730, PULL FIBER CABLE  
 THROUGH PLACE VAULTS ALONG THE WAY

AS-BUILT				
NO.	DATE	ENGINEER	DRAWER	COMMENT
1	9/24/17	LS	JLB	ORIGINAL

**ZAYO GROUP**  
 ZAYO ENGINEER: DAN BARCOMB  
 ENGINEERING FIRM: MGC TECHNICAL CONSULTING, INC.  
 PROJECT NUMBER:  
 LOCATION: 28723 WESTPORT RD, HERMISTON, OR 97838  
 DRAWING NAME: ZAYO - BOARDMAN TO UMATILLA - B1 - PLANS 2.dwg  
 SCALE: NTS

# LEGEND

## LINETYPES

	AERIAL FIBER - EXISTING
	AERIAL FIBER - ATTACH
	AERIAL FIBER - OVERLASH
	STRAND - EXISTING
	STRAND - PROPOSED
	CONDUIT - EXISTING
	CONDUIT - PROPOSED
	INNERDUCT - EXISTING
	INNERDUCT - PROPOSED
	GAS
	WATER
	TELEPHONE
	FIBER OPTIC
	ELECTRIC
	SANITARY SEWER (SEW)
	STORM DRAIN
	CABLE TV
	STEAM
	OIL
	UNKNOWN UTILITY
	FENCE
	RIGHT OF WAY
	EDGE OF PAVEMENT

## ABBREVIATIONS

ASW	ASPHALT SIDEWALK
BIP	BLACK IRON PIPE
BSP	BLACK STEEL PIPE
CSW	CONCRETE SIDEWALK
ELECT.	ELECTRIC
EOP	EDGE OF PAVEMENT
EOTW	EDGE OF TRAVEL WAY
FOC	FACE OF CURB
F/O	FIBER OPTIC
HDPE	HIGH DENSITY POLYETHYLENE
HH	HANDHOLE
JB	JUNCTION BOX
MH	MANHOLE
MP	MILE POST
O/S	OFFSET
PR	POWER RISER
PVC	POLY VINYL CHLORIDE
RGS	RIGID GALVANIZED STEEL CONDUIT
ROW	RIGHT OF WAY
SEW	SANITARY SEWER
SD	STORM DRAIN
STA.	STATION
STM	STEAM
TEL	TELECOM

## SYMBOLS

	RISER - EXISTING		TRANSMISSION/DISTRIBUTION POLE
	RISER - PROPOSED		TRANSMISSION POLE
	CATCH BASIN/INLET (RECTANGULAR)		DISTRIBUTION POLE
	CATCH BASIN/INLET (ROUND)		GROUND/BOND
	FIRE HYDRANT		AERIAL STORAGE - EXISTING
	WATER/GAS VALVE		AERIAL STORAGE - PROPOSED
	LIGHT POST		VAULT/BUILDING STORAGE - EXISTING
	STREET LIGHT		VAULT/BUILDING STORAGE - PROPOSED
	TRAFFIC LIGHT ARM		POLE ANCHOR/DOWN GUY - EXISTING
	TREE		POLE ANCHOR/DOWN GUY - PROPOSED
	CULVERT		SPLICE POINT - EXISTING
	WING WALL		SPLICE POINT - PROPOSED
	BRIDGE		TERMINATION - EXISTING
	STREET SIGN		TERMINATION - PROPOSED
	ADA RAMP		PULLBOX - EXISTING
	UTILITY POLE - EXISTING		PULLBOX - PROPOSED
	UTILITY POLE - PROPOSED		CONSTRUCTION NOTE / RESTORATION CALLOUT
	TRAFFIC RATED VAULT - EXISTING (SIZE AND UTILITY TYPE MAY VARY)		PHOTO-MARKER
	TRAFFIC RATED VAULT - PROPOSED (SIZE MAY VARY)		NORTH ARROW
	HANDHOLE - EXISTING (SIZE AND UTILITY TYPE MAY VARY)		
	HANDHOLE - PROPOSED (SIZE MAY VARY)		
	PEDESTAL - EXISTING (SIZE AND UTILITY TYPE MAY VARY)		
	PEDESTAL - PROPOSED (SIZE MAY VARY)		
	WET UTILITY MANHOLE - EXISTING (SIZE AND UTILITY TYPE MAY VARY)		
	WET UTILITY MANHOLE - PROPOSED (SIZE AND UTILITY TYPE MAY VARY)		
	BORE PIT - PROPOSED (SIZE MAY VARY)		
	UTILITY POTHOLE		

## INFORMATION TABLES

POLE NUMBER	#	UTILITY POLE INFORMATION TABLE
EXISTING UTILITY	0'-0"	(NUMBER OF ATTACHMENTS MAY VARY)
PROPOSED ATTACH	0'-0"	

#F	IN:	SEQUENTIAL IN/OUT CALLOUT
	OUT:	

#F	IN:	SEQUENTIAL IN/TAIL CALLOUT
	TAIL:	

#F	TAIL:	SEQUENTIAL TAIL/OUT CALLOUT
	OUT:	

## HATCH PATTERNS

	CONCRETE SIDEWALK
	GRASS/VEGETATION
	GRAVEL
	WATER



AS-BUILT			
NO.	DATE	ENGINEER	REVISION / COMMENT
1	8/24/17	LS	JLB ORIGINAL
2			
3			
ZAYO ENGINEER DAN BAPCOARD ENGINEERING FIRM INC TECHNICAL CONSULTING INC PROJECT NUMBER LOCATION 3022 WESTPORT RD HERMISTON, OR 97338 DRAWING NAME ZAYO 811 AND 811 UTILITIES BY PLAN 2.dwg SHEET 2 OF 10			
CONFIDENTIAL/PROPRIETARY			

# GENERAL NOTES

**GENERAL NOTES:**

The locations of utilities shown on these drawing are only approximate. MGC TECHNICAL CONSULTING, INC hereby disclaims any responsibility to third parties for the accuracy of this information. Persons working in the area covered by this drawing must contact the statewide Call-Before-You-Dig System to ascertain the location of underground utilities prior to performing any excavation.

- 1 ALL MATERIALS, WORKMANSHIP AND CONSTRUCTION OF UTILITY IMPROVEMENTS SHALL MEET OR EXCEED SITE WORK STANDARDS AND THE STANDARDS AND SPECIFICATIONS SET FORTH IN THE COUNTY OF UMATILLA REGULATIONS AND APPLICABLE STATE AND FEDERAL REGULATIONS. WHERE THERE IS CONFLICT BETWEEN THESE PLANS AND THE SPECIFICATIONS, OR ANY APPLICABLE STANDARDS, THE HIGHER QUALITY STANDARD SHALL APPLY. ALL WORK WITHIN PUBLIC R.O.W OR EASEMENTS MAY REQUIRE INSPECTED AND APPROVED BY THE COUNTY OF UMATILLA INSPECTOR. INSPECTION SERVICES AND CONSTRUCTION CERTIFICATION TO BE PROVIDED BY DESIGNEE OF PROJECT SPONSOR/OWNER.
- 2 THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES, AS SHOWN ON THESE PLANS, IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED UPON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE LOCAL UTILITY LOCATION CENTER AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF EXISTING UTILITIES. THE CONTRACTOR SHALL VERIFY PERTINENT LOCATIONS AND ELEVATIONS, ESPECIALLY AT THE CONNECTION POINTS AND AT POTENTIAL UTILITY CONFLICTS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES THAT CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THESE PLANS.
- 3 THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM ALL APPLICABLE AGENCIES. THE CONTRACTOR SHALL NOTIFY THE COUNTY OF UMATILLA INSPECTOR AT LEAST 48 HOURS PRIOR TO THE START OF ANY EARTH DISTURBING ACTIVITY OR CONSTRUCTION ON ANY AND ALL PUBLIC IMPROVEMENTS IF REQUIRED.
- 4 THE CONTRACTOR SHALL COORDINATE AND COOPERATE WITH THE COUNTY OF UMATILLA AND ALL UTILITY COMPANIES WITH REGARD TO RELOCATIONS OR ADJUSTMENTS OF EXISTING UTILITIES DURING CONSTRUCTION. TO ASSURE THAT THE WORK IS ACCOMPLISHED IN A TIMELY FASHION, AND WITH A MINIMUM DISRUPTION OF SERVICE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL PARTIES AFFECTED BY ANY DISRUPTION OF ANY UTILITY SERVICE.
- 5 THE CONTRACTOR SHALL HAVE ONE (1) SIGNED COPY OF THE APPROVED PLANS, ONE (1) COPY OF THE APPROPRIATE STANDARDS AND SPECIFICATIONS, AND ONE (1) COPY OF ANY PERMITS AND EXTENSION AGREEMENTS NEEDED FOR THE JOB ON-SITE AT ALL TIMES.
- 6 THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ASPECTS OF SAFETY INCLUDING, BUT NOT LIMITED TO, EXCAVATION, TRENCHING, SHORING, TRAFFIC CONTROL, AND SECURITY.
- 7 IF DURING THE CONSTRUCTION PROCESS, CONDITIONS ARE ENCOUNTERED BY THE CONTRACTOR, HIS SUBCONTRACTORS, OR OTHER AFFECTED PARTIES WHICH COULD INDICATE A SITUATION THAT IS NOT IDENTIFIED IN THE PLANS OR SPECIFICATIONS, THE CONTRACTOR SHALL CONTACT THE ENGINEER IMMEDIATELY.
- 8 ALL REFERENCES TO ANY PUBLISHED STANDARDS SHALL REFER TO THE LATEST REVISION OF SAID STANDARD, UNLESS SPECIFICALLY STATED OTHERWISE.
- 9 FOR WORK AFFECTING PUBLIC ROADWAYS OR IF REQUIRED BY THE COUNTY OF UMATILLA, THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL AND PHASING PLAN IN ACCORDANCE WITH M.U.T.C.D. FOR APPROVAL PRIOR TO ANY CONSTRUCTION ACTIVITIES WITHIN OR AFFECTING THE RIGHT-OF-WAY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ANY AND ALL TRAFFIC CONTROL DEVICES AS MAY BE REQUIRED BY SAID PLANS. PRIOR TO INSTALLATION A PRECONSTRUCTION CONFERENCE SHALL BE HELD WITH COUNTY OF UMATILLA.
- 10 THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL LABOR AND MATERIALS NECESSARY FOR THE COMPLETION OF THE INTENDED IMPROVEMENTS SHOWN ON THESE DRAWINGS OR DESIGNATED TO BE PROVIDED, INSTALLED, CONSTRUCTED, REMOVED OR RELOCATED UNLESS SPECIFICALLY NOTED OTHERWISE.
- 11 PER AGENCY STANDARDS THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING ROADWAYS FREE AND CLEAR OF ALL CONSTRUCTION DEBRIS AND DIRT TRACKED FROM THE SITE.
- 12 THE CONTRACTOR SHALL BE RESPONSIBLE FOR RECORDING RECORD INFORMATION ON A SET OF RECORD DRAWINGS KEPT AT THE CONSTRUCTION SITE AND AVAILABLE TO THE COUNTY OF UMATILLA INSPECTOR AT ALL TIMES.
- 13 DIMENSIONS FOR LAYOUT AND CONSTRUCTION ARE NOT TO BE SCALED FROM ANY DRAWING. FOR ADDITIONAL INFORMATION CONTACT THE ENGINEER FOR CLARIFICATION AND NOTE ON THE RECORD DRAWINGS.
- 14 ALL EROSION AND SEDIMENT CONTROL (E.S.C.) MEASURES SHALL BE INSTALLED AT THE LIMITS OF CONSTRUCTION PRIOR TO GROUND DISTURBING ACTIVITY. ALL E.S.C. MEASURES SHALL BE MAINTAINED IN GOOD REPAIR BY THE CONTRACTOR UNTIL SUCH TIME AS THE ENTIRE DISTURBED AREAS ARE STABILIZED WITH HARD SURFACE OR LANDSCAPING.
- 15 ALL WORK WITHIN THE PUBLIC RIGHT-OF-WAY IS SUBJECT TO THE JURISDICTION OF THE COUNTY OF UMATILLA ENGINEERING DEPARTMENT STANDARD DETAILS AND SPECIFICATIONS.
- 16 ALL CONSTRUCTION OPERATIONS, INCLUDING THE WARMING UP, REPAIR, ARRIVAL, DEPARTURE OR RUNNING OF TRUCKS, EARTH MOVING EQUIPMENT, CONSTRUCTION EQUIPMENT AND ANY OTHER ASSOCIATED EQUIPMENT SHALL GENERALLY BE LIMITED TO THE TIME PERIOD APPROVED BY THE COUNTY OF UMATILLA.



Know what's below.  
Call before you dig.

NO.	DATE	ENGINEER	DRAFTER	COMMENT
1	8/24/17	LS	JLB	ORIGINAL
2				REVISION # 1

ZAYO GROUP		MGC TECHNICAL CONSULTING, INC.	
ZAYO ENGINEER: DAN BARONIS			
ENGINEERING FROM MGC TECHNICAL CONSULTING, INC.			
PROJECT NUMBER:			
LOCATION: 2672 WESTPORT RD HERMISTON, OR 97333			
DRAWING NAME: 2017 - REPAIRS TO UMATILLA ST - 154707.2.dwg			
CONFIDENTIAL/PROPRIETARY			SHEET 3 OF 11



PLAN VIEW A.1



PLAN VIEW A.2

- CONSTRUCTION NOTES**
- ① PROPOSED BORE NEW (3) 2" AND (1) 1.25" HDPE SDR 11 INNERDUCT. PULL FIBER CABLE THROUGH. REPAIR SURFACE PER LOCAL JURISDICTION STANDARDS. CONTRACTOR TO POTHOLE UTILITIES PRIOR TO CONSTRUCTION.
  - ② PROPOSED PLACE (1) 30"x48" BULK SERIES 7 VAULT. PROPOSED PLACE (1) 24"x36" BULK SERIES 4 VAULT. PULL FIBER THROUGH. WMP SUBJECT TO CHANGE LOCATION. SEE VAULT DIAGRAM V-2 ON SHEET 28. SEE VAULT DETAILS ON SHEET 29.
- CONTRACTOR NOTES**
- ADD 1" OF COMPACT GRAVEL AND WIRE MESH ON THE FLOOR OF EACH VAULT.



MATCH TO SHEET A.2

MATCH TO SHEET A.1

MATCH TO SHEET 5

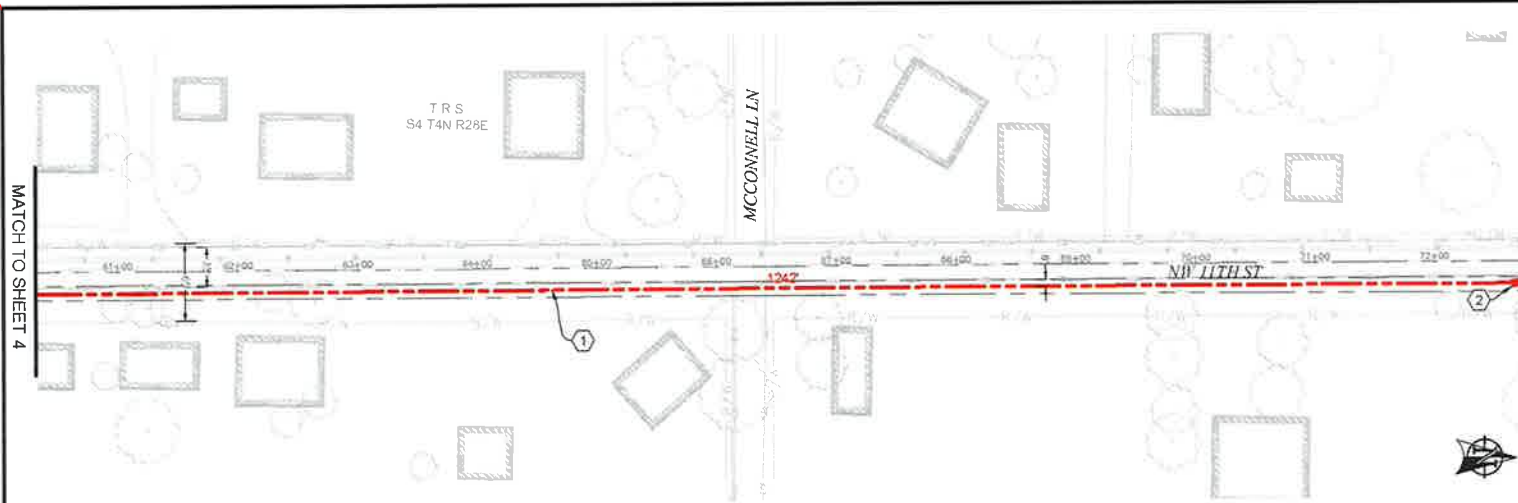
811  
Know what's below.  
Call before you dig.

SCALE: 1"=100'

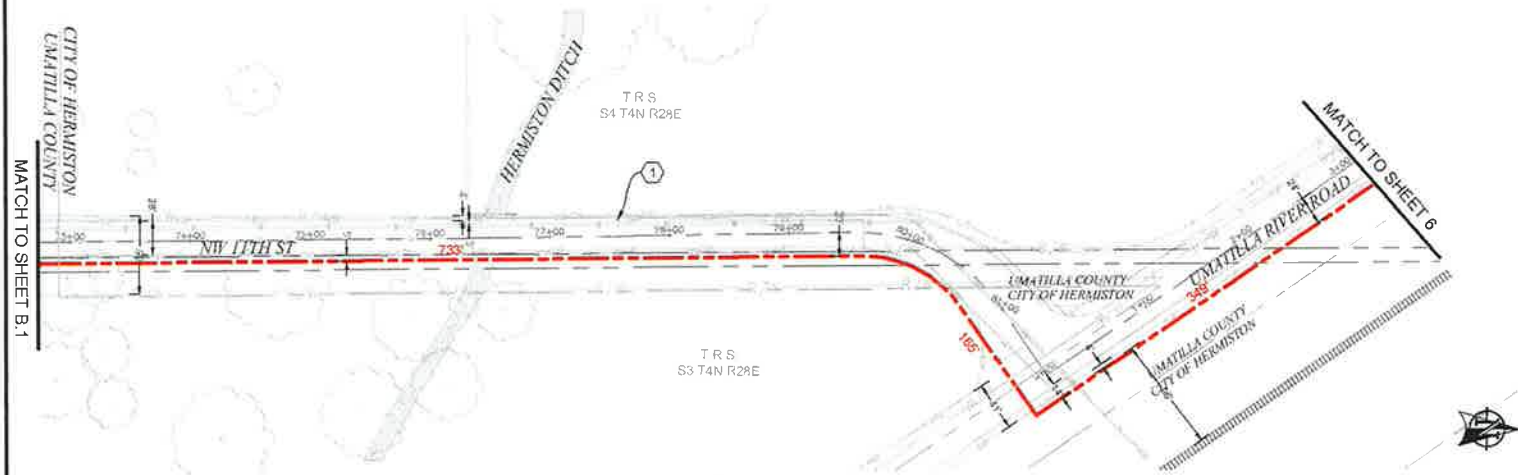
AS-BUILT			
NO.	DATE	ENGINEER	COMMENTS
1	8/24/17	LS	JLB ORIGINAL
2			JLB ORIGINAL

**Zayo GROUP** **MGS**

ZAYO ENGINEER DAN BRYAN  
 ENGINEERING FROM MGC TECHNICAL CONSULTING INC  
 PROJECT NUMBER  
 LOCATION 2022 WESTPORT RD  
 HERMISTON, OR 97130  
 DRAWN/TITLE ZAYO ENGINEERING/UMATILLA COUNTY PLANS 2.dwg  
 CONFIDENTIAL/PROPRIETARY SHEET 4 OF 10



PLAN VIEW B.1



PLAN VIEW B.2

- CONSTRUCTION NOTES**
- ① PROPOSED BORE NEW (3) 2" AND (1) 1.25" HDPE SDR 11 INNERDUCT, PULL FIBER CABLE THROUGH, REPAIR SURFACE PER LOCAL JURISDICTION STANDARDS, CONTRACTOR TO POT-HOLE UTILITIES PRIOR TO CONSTRUCTION.
  - ② PROPOSED PLACE (1) 30"x48" BULK SERIES 7 VAULT, PROPOSED PLACE (1) 24"x36" BULK SERIES 4 VAULT, PULL FIBER THROUGH, WMP SUBJECT TO CHANGE LOCATION, SEE VAULT DIAGRAM V-2 ON SHEET 28. SEE VAULT DETAILS ON SHEET 29.

**CONTRACTOR NOTES**  
 ADD 1" OF COMPACT GRAVEL AND WIRE MESH ON THE FLOOR OF EACH VAULT.

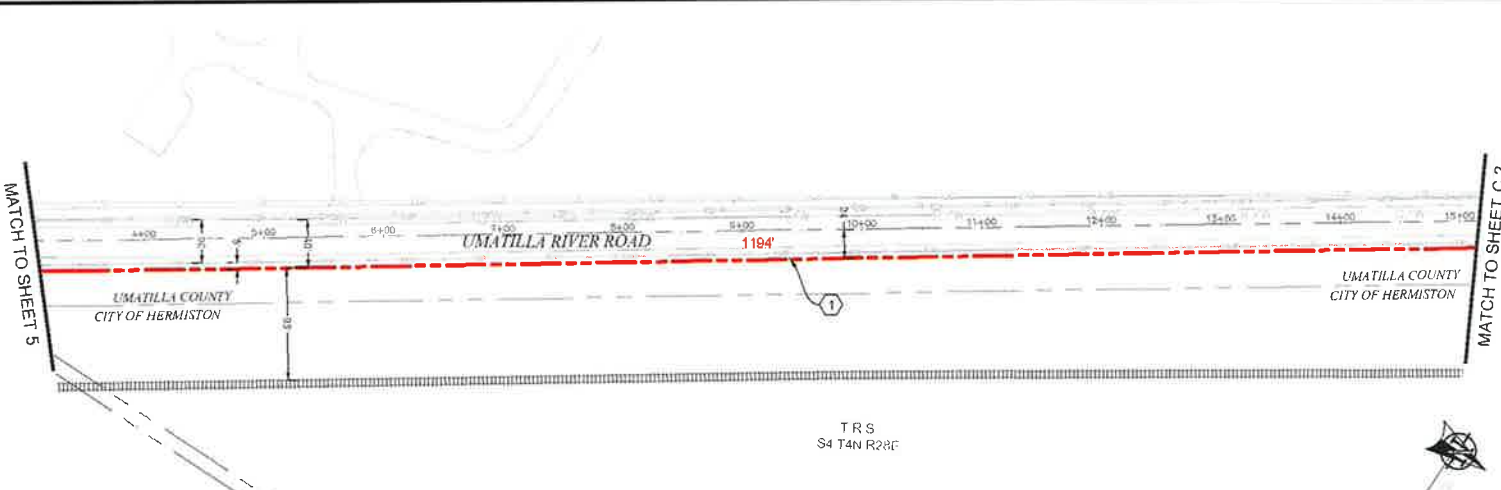
NO.	DATE	ENGINEER	DRAWER	COMMENT
1	9/24/17	LS	JLB	ORIGINAL
AS-BUILT REVISION # 1				

<b>zayo</b> GROUP		<b>MGE</b> METROPOLITAN CONSULTANTS INC.	
ZAYO ENGINEER: DAN BARDOME			
ENGINEERING FIRM: METROPOLITAN CONSULTANTS INC.			
PROJECT NAME: 2015 WESTPORT RD			
LOCATION: HERMISTON, OR 97103			
DRAWING FRAME: 2410 11/10/2017 TO 11/10/2017 - 11 - PLANS 2.mxd			
CONFIDENTIAL/PROPRIETARY SHEET 1 OF 12			

811  
 Know what's below.  
 Call before you dig.

SCALE: 1"=100'



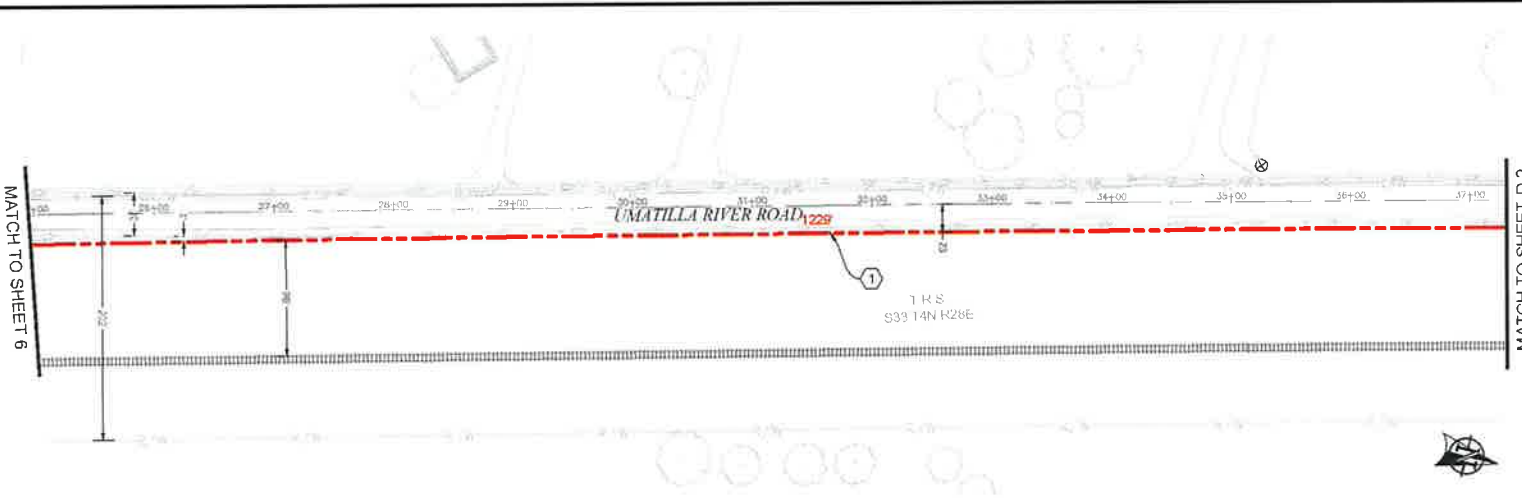
PLAN VIEW C.1



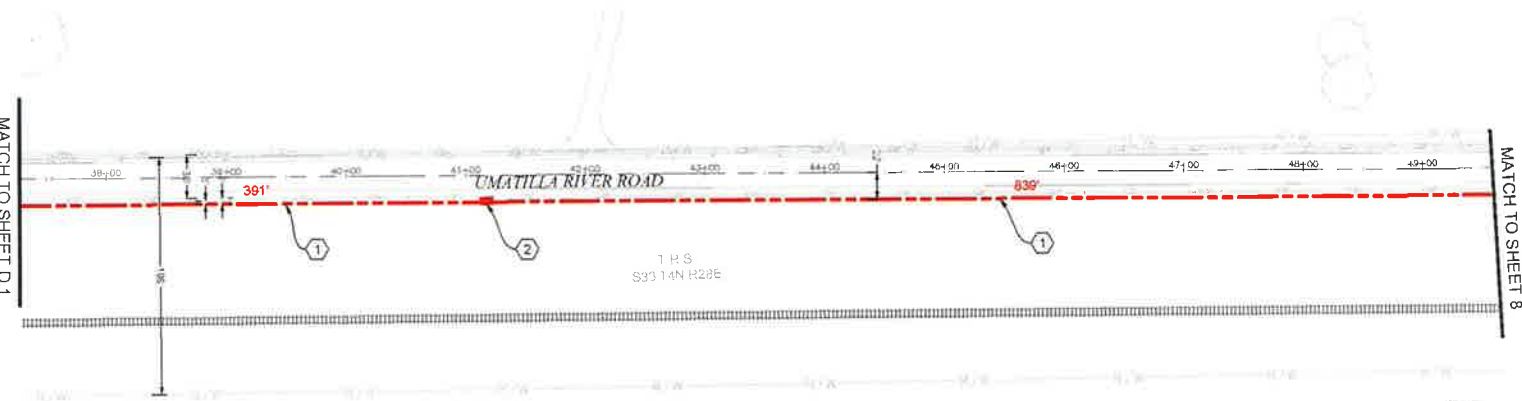
PLAN VIEW C.2

- CONSTRUCTION NOTES**
- ① PROPOSED BORE NEW (3) 2" AND (1) 1.25" HDPE SDR 11 INNERDUCT. PULL FIBER CABLE THROUGH. REPAIR SURFACE PER LOCAL JURISDICTION STANDARDS. CONTRACTOR TO POTHOLE UTILITIES PRIOR TO CONSTRUCTION.
  - ② PROPOSED PLACE (1) 30"x48" BULK SERIES 7 VAULT. PROPOSED PLACE (1) 24"x36" BULK SERIES 4 VAULT. PULL FIBER THROUGH. MMP SUBJECT TO CHANGE LOCATION. SEE VAULT DIAGRAM V-2 ON SHEET 28. SEE VAULT DETAILS ON SHEET 29.
- CONTRACTOR NOTES**
- ADD 1" OF COMPACT GRAVEL AND WIRE MESH ON THE FLOOR OF EACH VAULT.

AS-BUILT			
REVISION # 1			
8/24/17	LS	JLB	ORIGINAL
DATE	ENGINEER	DRAWER	COMMENT
<b>zayo</b>		<b>MGC</b>	
ZAYO ENGINEER - DATA/CABLE		ENGINEERING FIRM / M/G CONSULTING INC.	
PROJECT NUMBER			
LOCATION: 3873 WESTPORT RD, HERMISTON, OR 97138			
DRAWING NAME: ZAYO - BRANDBAN TO UMATILLA - BT - PLATE 2 (4x)			
CENTRAL PROPRIETARY		SHEET 6 OF 10	



PLAN VIEW D.1



PLAN VIEW D.2

**CONSTRUCTION NOTES**

- ① PROPOSED BORE NEW (3) 2" AND (1) 1.25" HDPE SDR 11 INNERDUCT. PULL FIBER CABLE THROUGH. REPAIR SURFACE PER LOCAL JURISDICTION STANDARDS. CONTRACTOR TO POTHOLE UTILITIES PRIOR TO CONSTRUCTION.
- ② PROPOSED PLACE (1) 30"x48" BULK SERIES 7 VAULT. PROPOSED PLACE (1) 24"x36" BULK SERIES 4 VAULT. PULL FIBER THROUGH. MWP SUBJECT TO CHANGE LOCATION. SEE VAULT DIAGRAM V-2 ON SHEET 28. SEE VAULT DETAILS ON SHEET 29.

**CONTRACTOR NOTES**

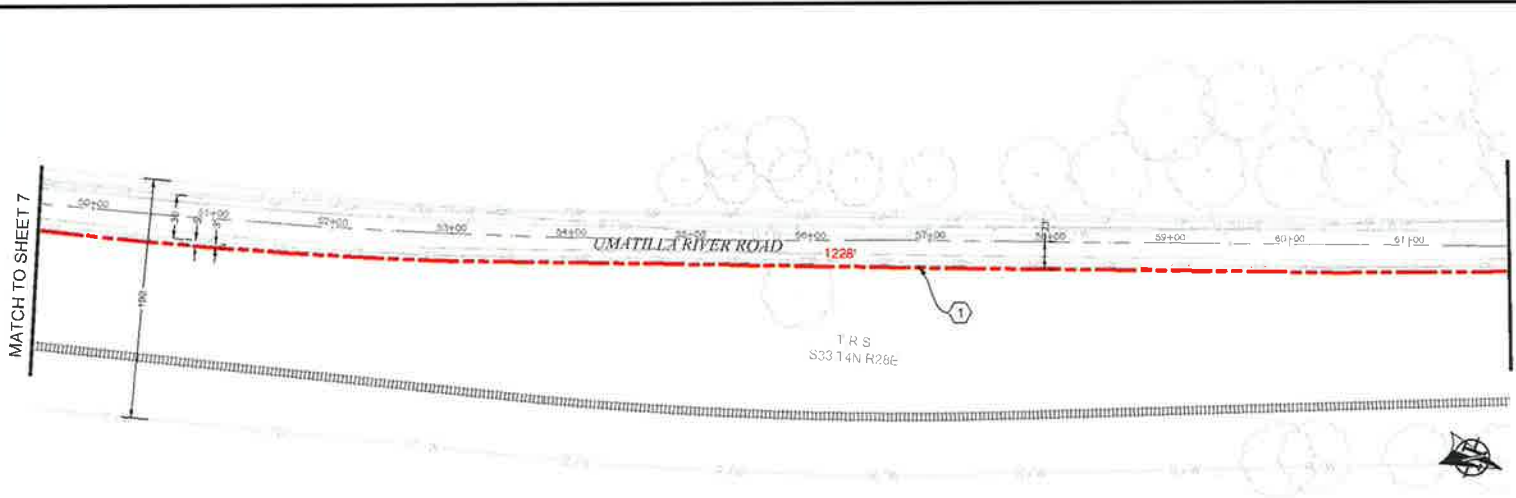
ADD 1" OF COMPACT GRAVEL AND WIRE MESH ON THE FLOOR OF EACH VAULT

AS-BUILT			
NO.	DATE	ENGINEER	COMMENTS
1			REVISION # 1
2	8/24/17	LS	JLB ORIGINAL
3			

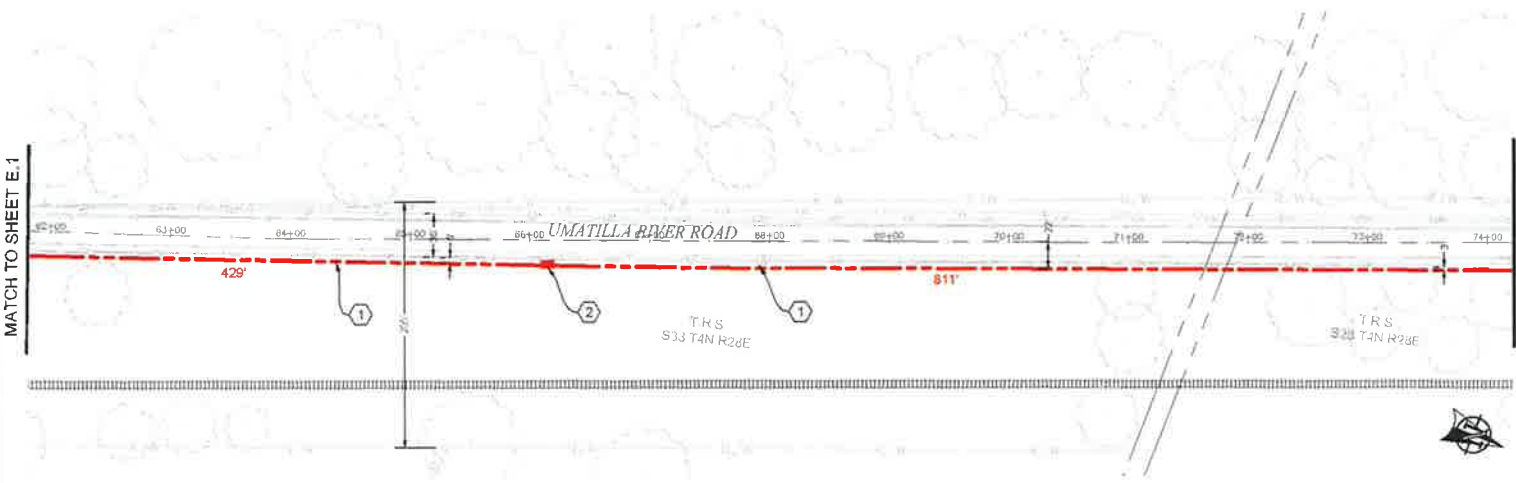
**zayo GROUP** **MGE**  
TECHNICAL CONSULTING INC.

ZAYO ENGINEER: DAN BAPCOBE  
 ENGINEERING FIRM: MGC TECHNICAL CONSULTING INC.  
 PROJECT NUMBER: \_\_\_\_\_  
 LOCATION: 2022 WESTPORT RD  
 HERBERT OR, 97238  
 DRAWING NAME: ZAYO SPANISH VALLEY UMATILLA ST PLAN D.1.dwg  
 CONFIDENTIAL/PROPRIETARY SHEET 2 OF 10





PLAN VIEW E.1



PLAN VIEW E.2

- CONSTRUCTION NOTES**
- ① PROPOSED BORE NEW (3) 2" AND (1) 1.25" HDPE SDR 11 INNERDUCT, PULL FIBER CABLE THROUGH. REPAIR SURFACE PER LOCAL JURISDICTION STANDARDS. CONTRACTOR TO POTHOLE UTILITIES PRIOR TO CONSTRUCTION.
  - ② PROPOSED PLACE (1) 30"x48" BULK SERIES 7 VAULT. PROPOSED PLACE (1) 24"x36" BULK SERIES 4 VAULT. PULL FIBER THROUGH. MMP SUBJECT TO CHANGE LOCATION. SEE VAULT DIAGRAM V-2 ON SHEET 28. SEE VAULT DETAILS ON SHEET 29.

**CONTRACTOR NOTES**

ADD 1" OF COMPACT GRAVEL AND WIRE MESH ON THE FLOOR OF EACH VAULT.

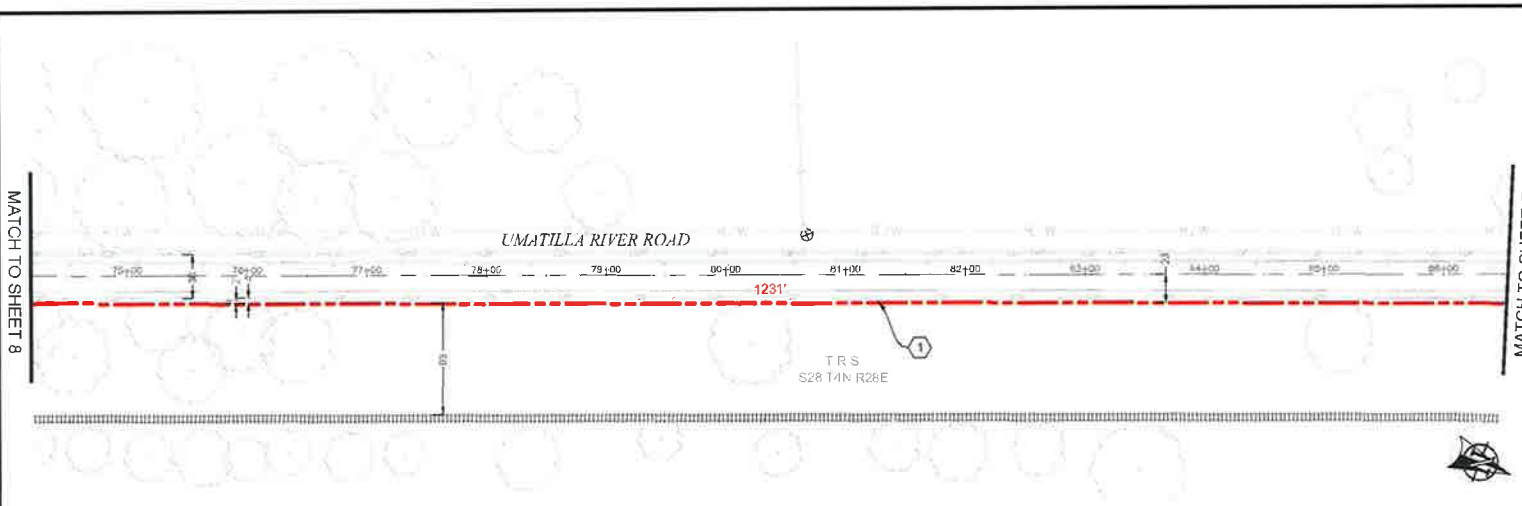
AS-BUILT			
REVISION # 1			
NO.	DATE	ENGINEER	DRAFTER
1	8/24/17	LS	JLB
COMMENT			
 			
ZAYO ENGINEER: DAN BARRY, CGSI			
ENGINEERING: BOB MCK, MGR, TECHNICAL CONSULTING, INC.			
PROJECT NUMBER: 17-001			
LOCATION: 26723 WESTPARK RD, HERMISTON, OR 97138			
DRAWING NAME: ZAYO INFRASTRUCTURE UMATILLA RD, PLANS E.1 & E.2			
CONFIDENTIAL/PROPRIETARY			

**811**

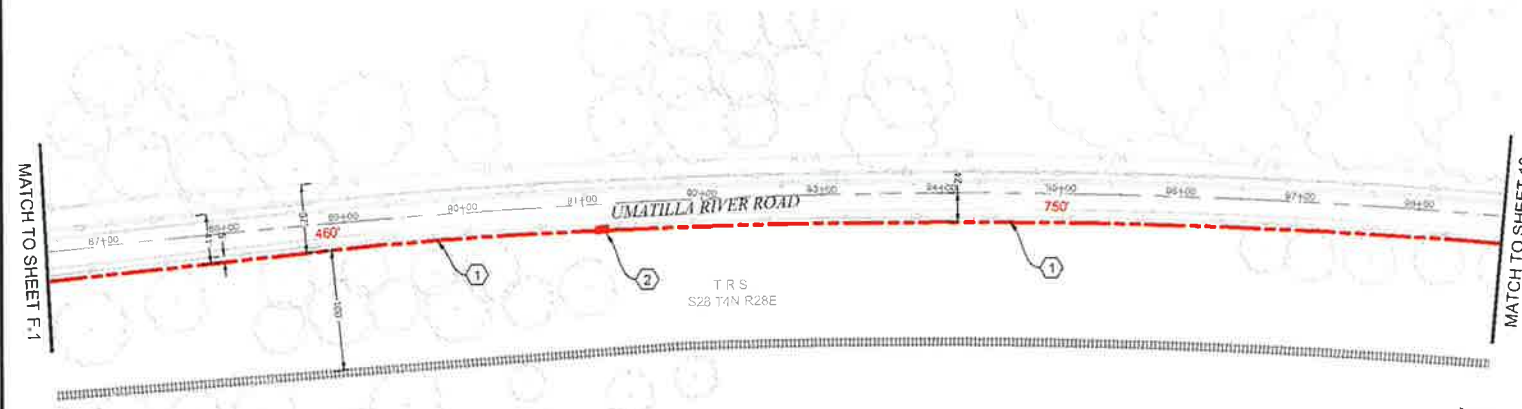
Know what's below.  
Call before you dig.



SCALE: 1"=100'



PLAN VIEW F.1



PLAN VIEW F.2

- CONSTRUCTION NOTES**
- ① PROPOSED BORE NEW (3) 2" AND (1) 1.25" HDPE SDR 11 INNERDUCT. PULL FIBER CABLE THROUGH. REPAIR SURFACE PER LOCAL JURISDICTION STANDARDS. CONTRACTOR TO POTHOLE UTILITIES PRIOR TO CONSTRUCTION.
  - ② PROPOSED PLACE (1) 30"x48" BULK SERIES 7 VAULT. PROPOSED PLACE (1) 24"x36" BULK SERIES 4 VAULT. PULL FIBER THROUGH, WMP SUBJECT TO CHANGE LOCATION. SEE VAULT DIAGRAM V-2 ON SHEET 28. SEE VAULT DETAILS ON SHEET 29.

**CONTRACTOR NOTES**

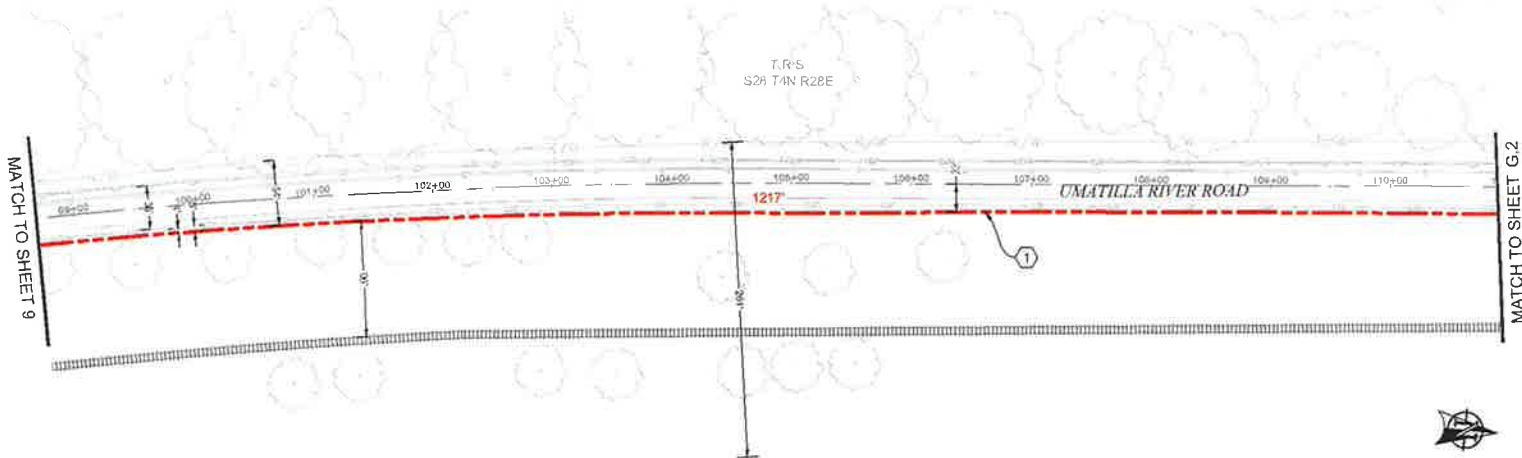
ADD 1" OF COMPACT GRAVEL AND WIRE MESH ON THE FLOOR OF EACH VAULT

AS-BUILT			
NO.	DATE	ENGINEER	REVISION # 1
1	8/24/17	LS	JLB ORIGINAL
2			JLB ORIGINAL

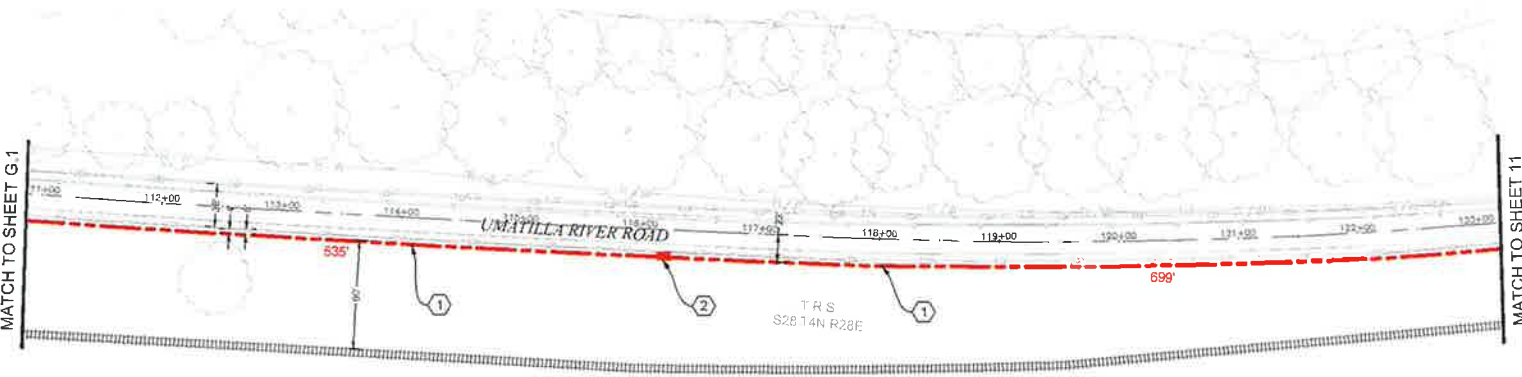



ZAYO ENGINEER - DALLAS/OAKS  
 ENGINEERED FROM MGC TECHNICAL CONSULTING INC  
 PROJECT NUMBER: ...  
 LOCATION: 2022 WESTPORT RD  
 HERMISTON OR 97131  
 DRAWING TITLE: ZAYO WORKSHEET UMATILLA RIVER PLAN F.1 & F.2  
 CONFIDENTIAL/PROPRIETARY

  
 Know what's below.  
 Call before you dig.  
  
 SCALE: 1"=100'



PLAN VIEW G.1



PLAN VIEW G.2

**CONSTRUCTION NOTES**

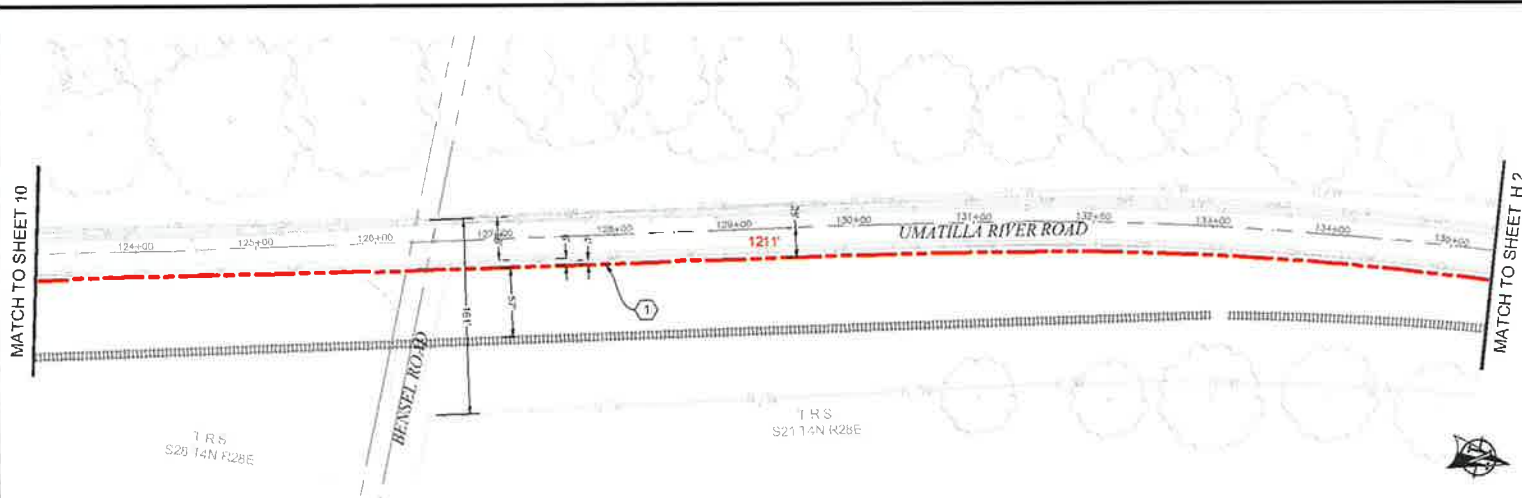
- ① PROPOSED BORE NEW (3) 2" AND (1) 1.25" HDPE SDR 11 INNERDUCT. PULL FIBER CABLE THROUGH. REPAIR SURFACE PER LOCAL JURISDICTION STANDARDS. CONTRACTOR TO POTHOLE UTILITIES PRIOR TO CONSTRUCTION.
- ② PROPOSED PLACE (1) 30"x48" BULK SERIES 7 VAULT. PROPOSED PLACE (1) 24"x36" BULK SERIES 4 VAULT. PULL FIBER THROUGH. MWP SUBJECT TO CHANGE LOCATION. SEE VAULT DIAGRAM V-2 ON SHEET 28. SEE VAULT DETAILS ON SHEET 29.

**CONTRACTOR NOTES**

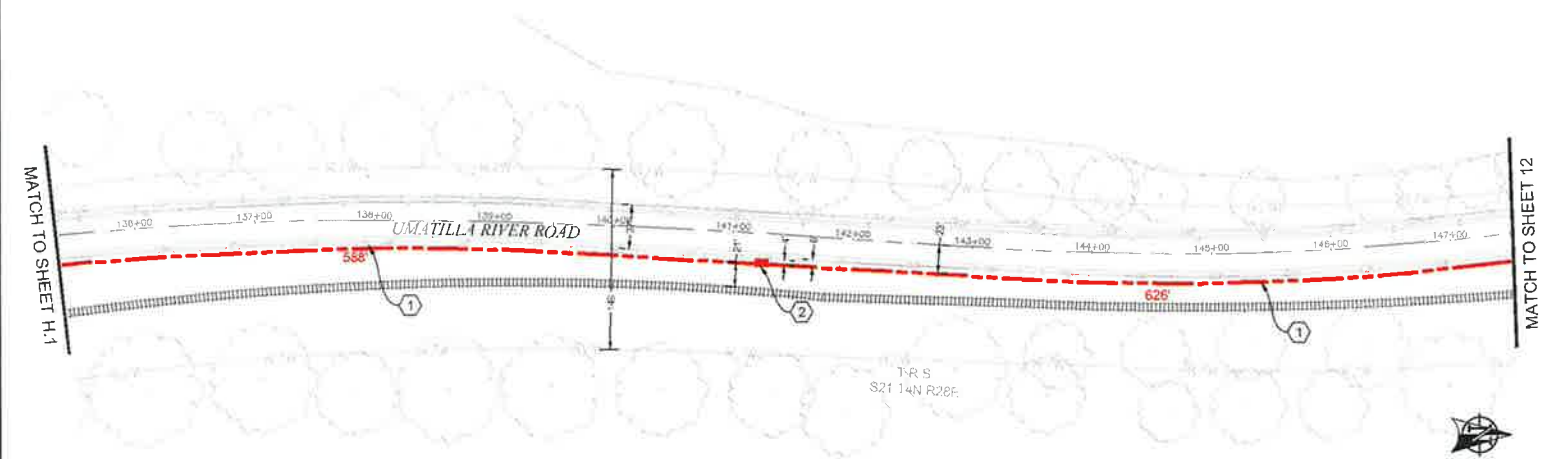
ADD 1" OF COMPACT GRAVEL AND WIRE MESH ON THE FLOOR OF EACH VAULT.

SCALE: 1"=100'

AS-BUILT			
REVISION # 1			
8/24/17	LS	JLB	ORIGINAL
DATE	ENGINEER	DRAFTER	COMMENT
<b>zayo</b>		<b>MGE</b>	
ZAYO ENGINEER: [UNRECOGNIZABLE]			
ENGINEERING FIRM: MGC TECHNICAL CONSULTING INC.			
PROJECT NUMBER: [UNRECOGNIZABLE]			
LOCATION: 2073 WESTPORT RD			
HEMLOCK, OR 97138			
FOR ANY TARIFF TAP TO SUBMIT TO UMATILLA BY 11:00AM 2 days			
CONFIDENTIAL/PROPRIETARY SHEET 10 OF 11			



PLAN VIEW H.1



PLAN VIEW H.2

- CONSTRUCTION NOTES**
- ① PROPOSED BORE HOLE (3) 2" AND (1) 1.25" HOPE SDR 11 INNERDUCT. PULL FIBER CABLE THROUGH. REPAIR SURFACE PER LOCAL JURISDICTION STANDARDS. CONTRACTOR TO POTHOLE UTILITIES PRIOR TO CONSTRUCTION.
  - ② PROPOSED PLACE (1) 30"x48" BULK SERIES 7 VAULT. PROPOSED PLACE (1) 24"x36" BULK SERIES 4 VAULT. PULL FIBER THROUGH. MMP SUBJECT TO CHANGE LOCATION. SEE VAULT DIAGRAM V-2 ON SHEET 28. SEE VAULT DETAILS ON SHEET 29.

**CONTRACTOR NOTES**  
 ADD 1" OF COMPACT GRAVEL AND WIRE MESH ON THE FLOOR OF EACH VAULT.



Know what's below.  
Call before you dig.



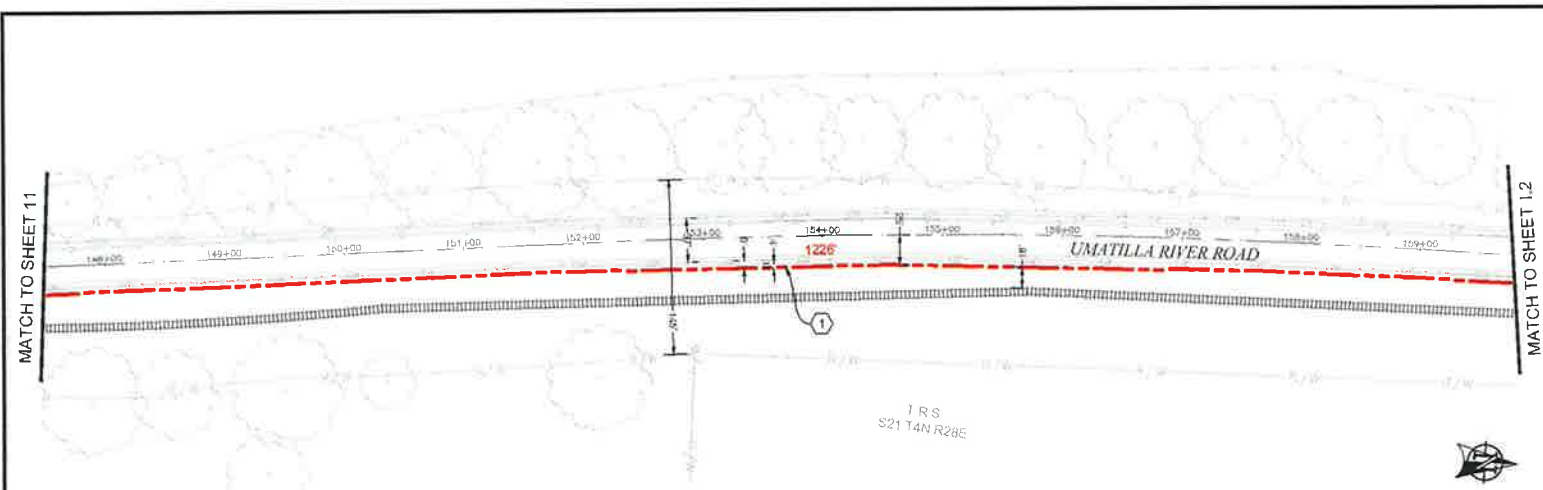
SCALE: 1"=100'

AS-BUILT			
NO	DATE	ENGINEER	DRAWN
1	8/24/17	LS	JLB
			REVISION # 1
			ORIGINAL

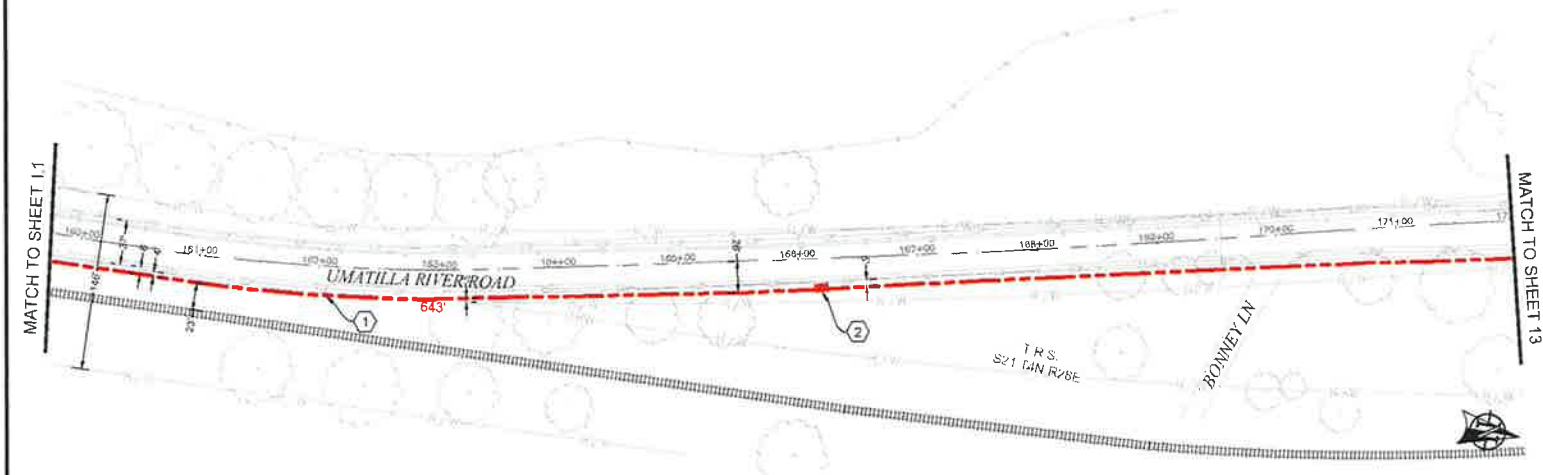



ZAYO ENGINEER DAN BARTON  
 ENGINEERING FROM MGC TECHNICAL CONSULTING INC  
 PROJECT NUMBER -  
 LOCATION: 26733 VESTPORT RD  
 HERMISTON, OR 97133  
 DRAWN/DATE: ZAYO/8/24/17 TO UMATILLA RIVER PLANS 28-30

CONFIDENTIAL/PROPRIETARY SHEET 11 OF 11



PLAN VIEW I.1



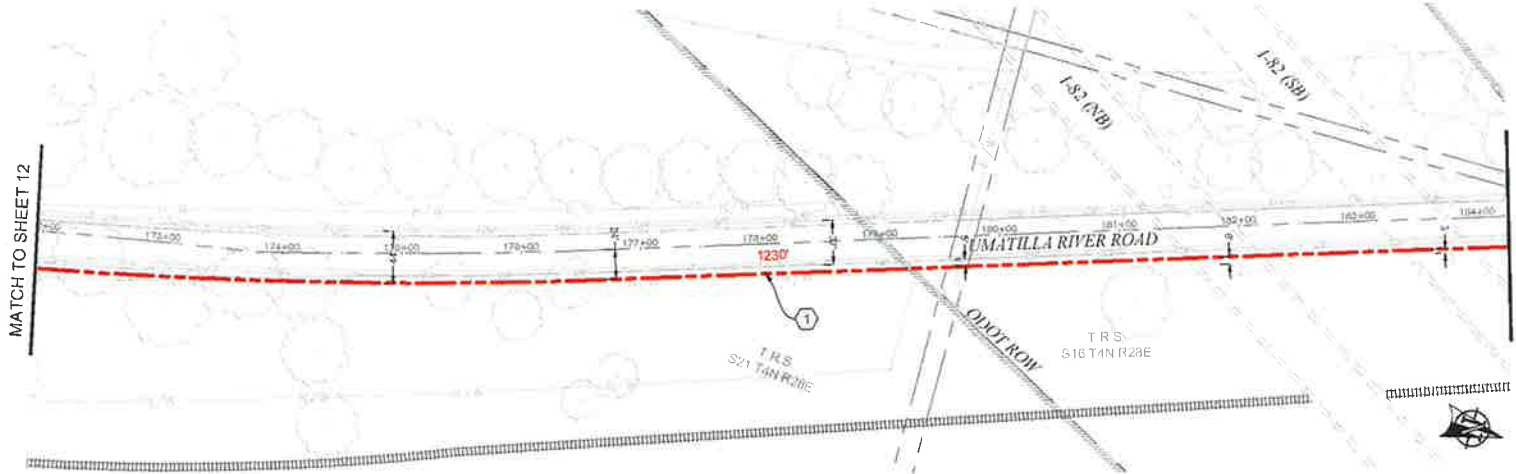
PLAN VIEW I.2

- CONSTRUCTION NOTES**
- ① PROPOSED BORE NEW (3) 2" AND (1) 1.25" HDPE SDR 11 INNERDUCT. PULL FIBER CABLE THROUGH. REPAIR SURFACE PER LOCAL JURISDICTION STANDARDS. CONTRACTOR TO POTHOLE UTILITIES PRIOR TO CONSTRUCTION.
  - ② PROPOSED PLACE (1) 30"x48" BULK SERIES 7 VAULT. PROPOSED PLACE (1) 24"x36" BULK SERIES 4 VAULT. PULL FIBER THROUGH. MWP SUBJECT TO CHANGE. LOCATION: SEE VAULT DIAGRAM V-2 ON SHEET 28. SEE VAULT DETAILS ON SHEET 29.

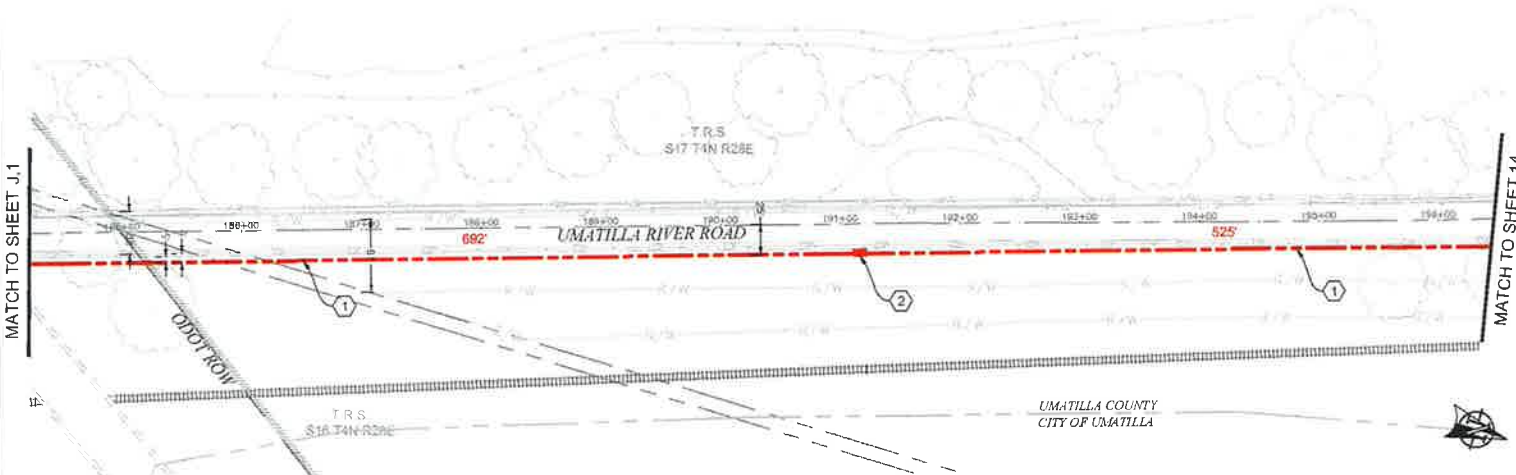
**CONTRACTOR NOTES**  
 ADD 1" OF COMPACT GRAVEL AND WIRE MESH ON THE FLOOR OF EACH VAULT.



AS-BUILT	REVISION # 1		
DATE	ENGINEER	DRAWN	COMMENT
8/24/17	LS	JLB	ORIGINAL
<b>zayo GROUP</b>		<b>MGE</b>	
ZAYO ENGINEER DAN BARCOVI			
ENGINEERING FIRM MGC TECHNICAL CONSULTING INC			
PROJECT ENGINEER			
LOCATION 2673 WESTPARK RD			
HEMAMSTON, OR 97331			
DRAWN/TABLER ZAYO ENGINEER DAN BARCOVI			
CONFIDENTIAL/PROPRIETARY			



PLAN VIEW J.1



PLAN VIEW J.2

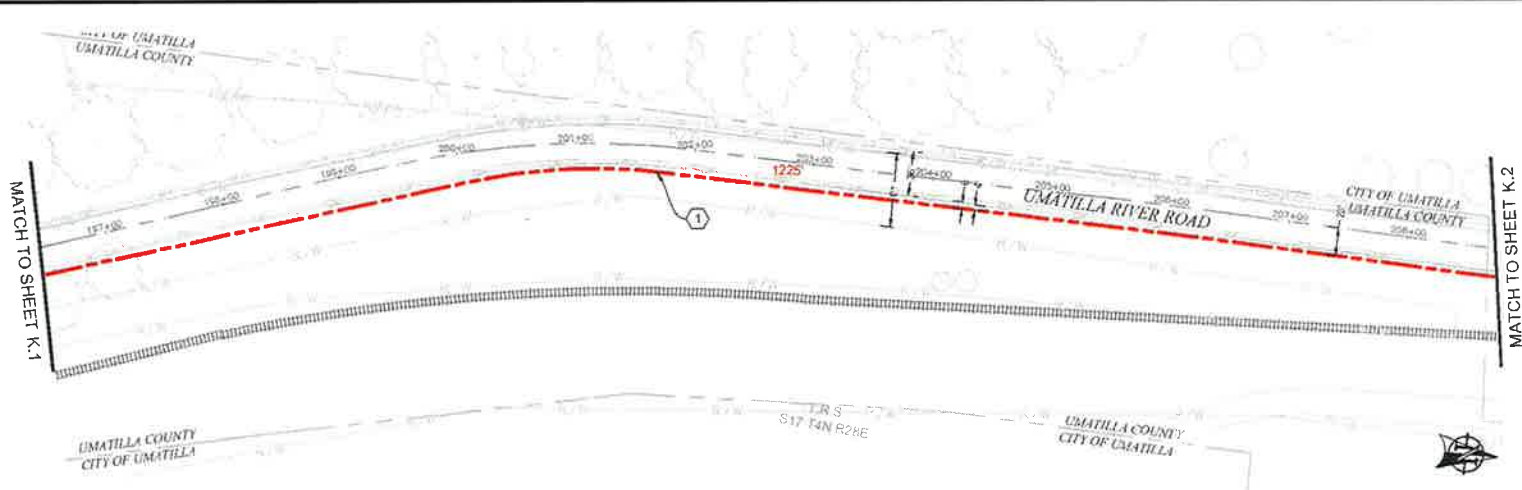
- CONSTRUCTION NOTES**
- ① PROPOSED BORE NEW (3) 2" AND (1) 1.25" HDPE SDR 11 INNERDUCT. PULL FIBER CABLE THROUGH. REPAIR SURFACE PER LOCAL JURISDICTION STANDARDS. CONTRACTOR TO POTHOLE UTILITIES PRIOR TO CONSTRUCTION.
  - ② PROPOSED PLACE (1) 30"x48" BULK SERIES 7 VAULT. PROPOSED PLACE (1) 24"x36" BULK SERIES 4 VAULT. PULL FIBER THROUGH. WMP SUBJECT TO CHANGE LOCATION. SEE VAULT DIAGRAM V-2 ON SHEET 28. SEE VAULT DETAILS ON SHEET 29.

**CONTRACTOR NOTES**

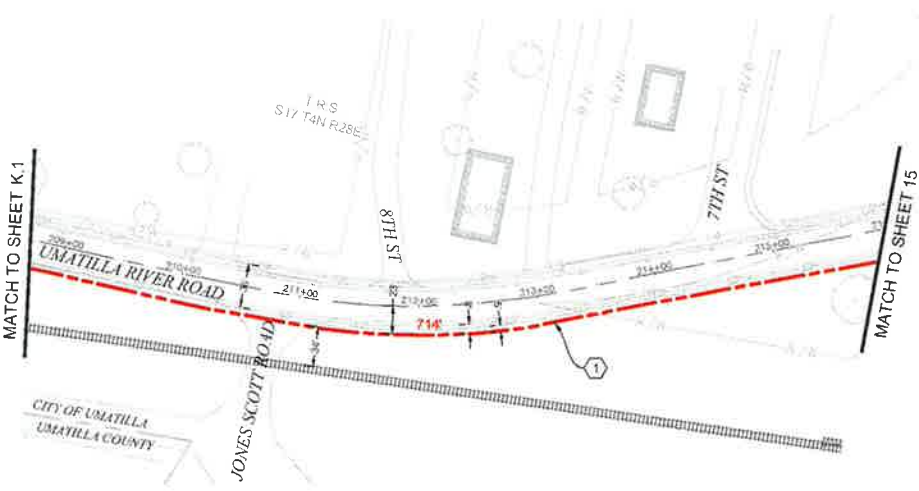
ADD 1" OF COMPACT GRAVEL AND WIRE MESH ON THE FLOOR OF EACH VAULT

1				AS-BUILT
2				REVISION # 1
1	8/24/17	LS	JLB	ORIGINAL
REV	DATE	ENGINEER	DRAWER	COMMENT
		<b>zayo</b> GROUP		<b>MGC</b> MEDICAL CONSULTING PC
ZAYO ENGINEER DAN BARCOBE				
ENGINEERING FIRM MGC TECHNICAL CONSULTING INC.				
PROJECT NUMBER				
LOCATION 2622 WESTPORT RD				
HEBARTON, OR 97133				
DRAWING DATE 2017 08 24 08 15 10 UMATILLA - BI - PLAN J.1 & J.2				
CONFIDENTIAL/PROPRIETARY				SHEET 33 OF 33

UMATILLA COUNTY  
CITY OF UMATILLA



PLAN VIEW K.1



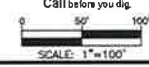
PLAN VIEW K.2

**CONSTRUCTION NOTES**

① PROPOSED BORE NEW (3) 2" AND (1) 1.25" HDPE SDR 11 INNERDUCT, PULL FIBER CABLE THROUGH, REPAIR SURFACE PER LOCAL JURISDICTION STANDARDS. CONTRACTOR TO PATCH UTILITIES PRIOR TO CONSTRUCTION.

**CONTRACTOR NOTES**

ADD 1" OF COMPACT GRAVEL AND WIRE MESH ON THE FLOOR OF EACH VAULT.



3				AS-BUILT
2				REVISION # 1
1	8/24/17	LS	JLB	ORIGINAL
NO	DATE	ENGINEER	DRAFTER	COMMENT
		<b>zayo</b> GROUP		<b>MGE</b> TECHNICAL CONSULTING INC
ZAYO ENGINEER: DAN BARCONE				
ENGINEERING FIRM: MGC TECHNICAL CONSULTING INC				
PROJECT NUMBER:				
LOCATION: 35733 WESTPORT RD HERMISTON, OR 97133				
DRAWING NAME: ZAYO BORING PLAN UMATILLA ST PLUMBING				
CONFIDENTIAL/PROPRIETARY				SHEET 14 OF 17



PLAN VIEW L.1

MATCH TO SHEET 14

CONSTRUCTION NOTES

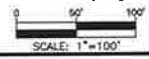
- ① PROPOSED BORE NEW (3) 2" AND (1) 1.25" HDPE SDR 11 INNERDUCT. PULL FIBER CABLE THROUGH. REPAIR SURFACE PER LOCAL JURISDICTION STANDARDS. CONTRACTOR TO POTHOLE UTILITIES PRIOR TO CONSTRUCTION.
- ② PROPOSED PLACE (1) 30"x48" BULK SERIES 7 VAULT. PROPOSED PLACE (1) 24"x36" BULK SERIES 4 VAULT. PULL FIBER THROUGH. WMP SUBJECT TO CHANGE LOCATION. SEE VAULT DIAGRAM V-2 ON SHEET 28. SEE VAULT DETAILS ON SHEET 29.

CONTRACTOR NOTES

ADD 1" OF COMPACT GRAVEL AND WIRE MESH ON THE FLOOR OF EACH VAULT



Keep what's below.  
Call before you dig.



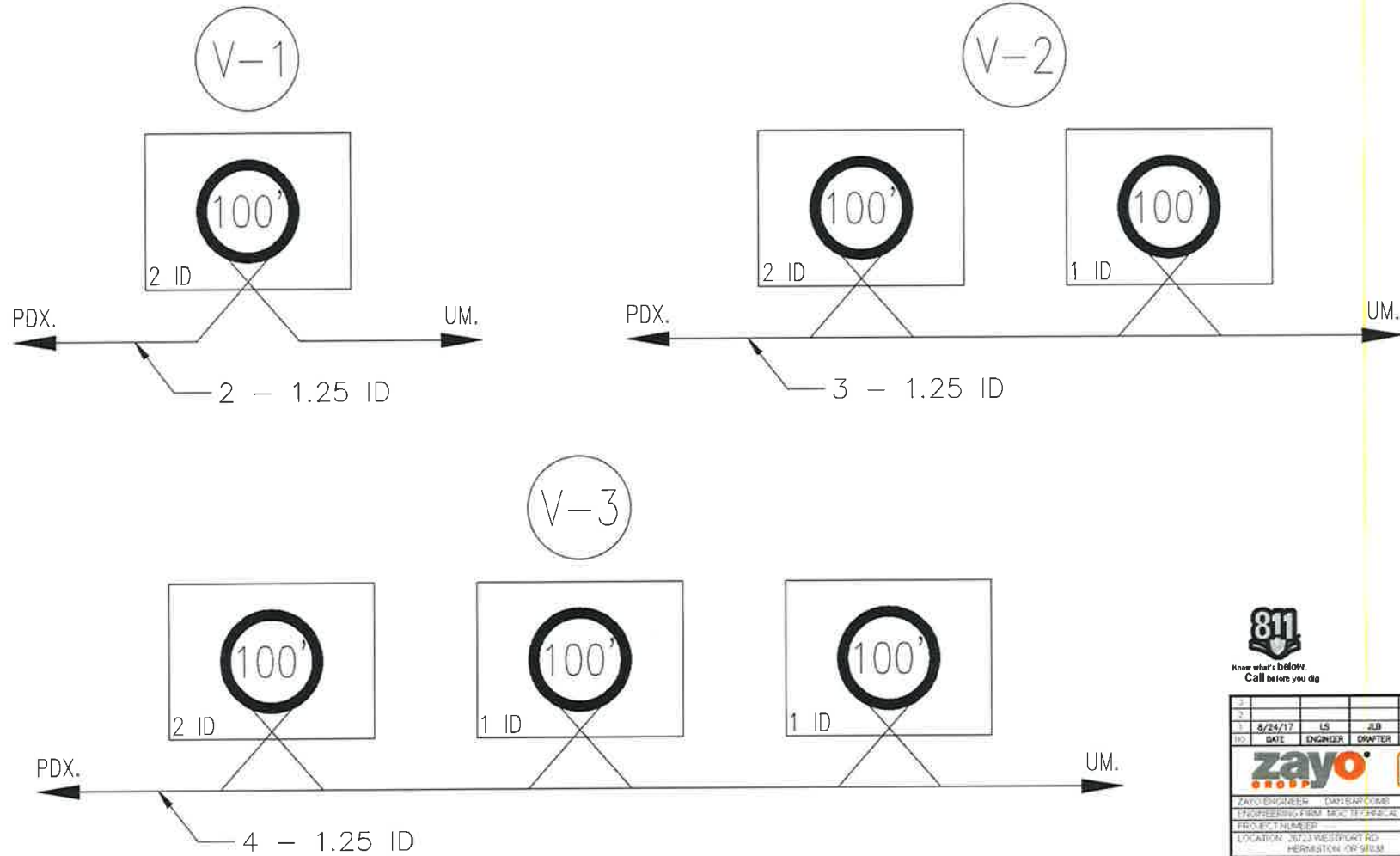
AS-BUILT			
REVISION # 1			
1	8/24/17	LS	JLB ORIGINAL
REV	DATE	ENGINEER	DRAWER COMMENT
<b>ZAYO GROUP</b>		<b>MGC</b>	
ZAYO ENGINEER DAN BARCOMB		ENGINEERING FIRM MGC TECHNICAL CONSULTING INC	
PROJECT NUMBER			
LOCATION 38723 WESTPORT RD			
HERMISTON OR 97838			
DRAWING FILE: 2412 38723WESTPORT.DWG BY: PLANE, JAY			
CONFIDENTIAL/PROPRIETARY			
SHEET 15 OF 31			



# VAULT DIAGRAM

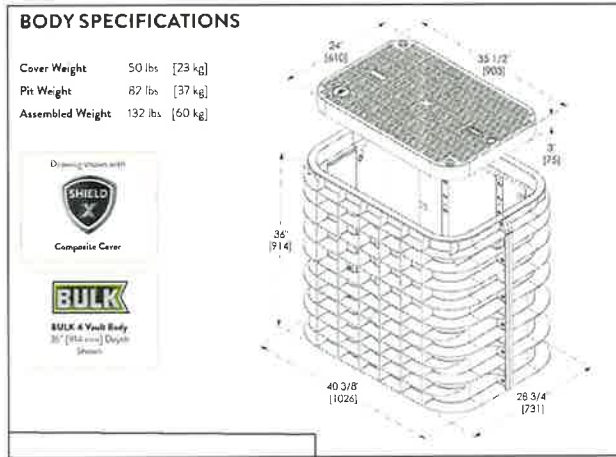
### NOTES:

- 1) PLACE 100' STORAGE IN EACH VAULT
- 2) STUB INNERDUCT (3) INCHES INTO VAULT

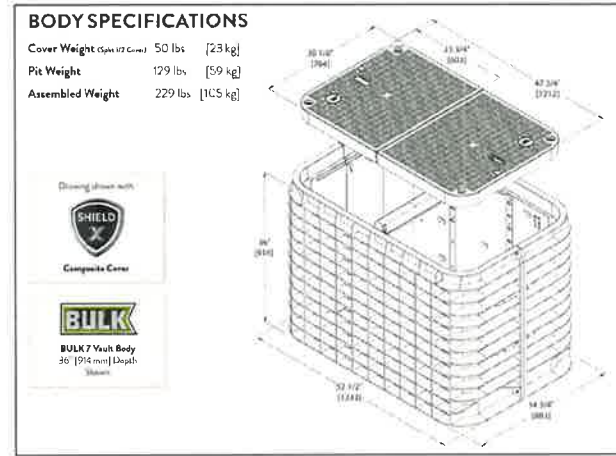


NO.	DATE	ENGINEER	DRAWER	COMMENT
1	8/24/17	LS	JLB	ORIGINAL
 				
ZAYO ENGINEER DAN BARR COBE				
ENGINEERING FROM MGC TECHNICAL CONSULTING INC.				
PROJECT NUMBER				
LOCATION 2673 WESTPORT RD HERNSTON OR 97103				
DRAWING NAME ZAYO - 10446500101MATELA 10 - PLANT 2-243				
CONFIDENTIAL/PROPRIETARY				

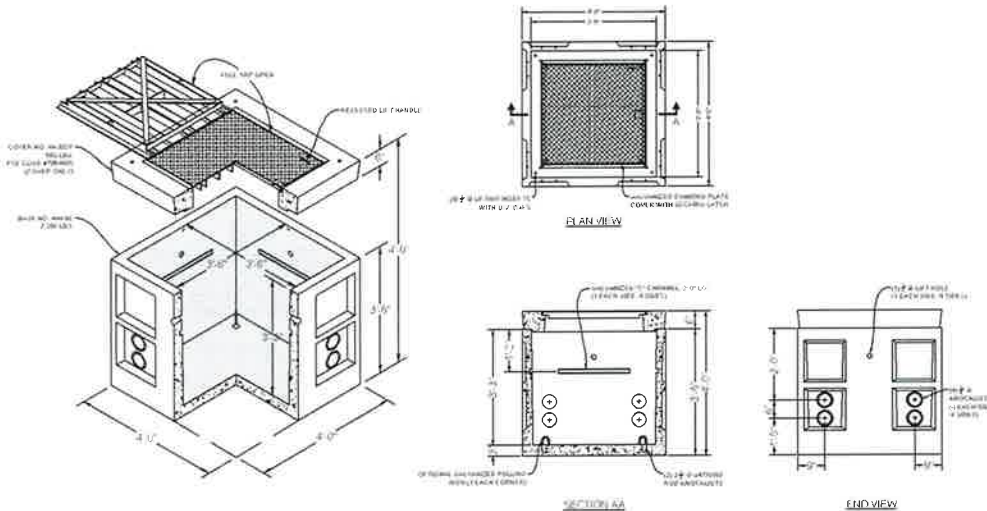
# VAULT DETAILS



TYPICAL BULK - SERIES 4 VAULT DETAIL  
SCALE: NTS



TYPICAL BULK - SERIES 7 VAULT DETAIL  
SCALE: NTS

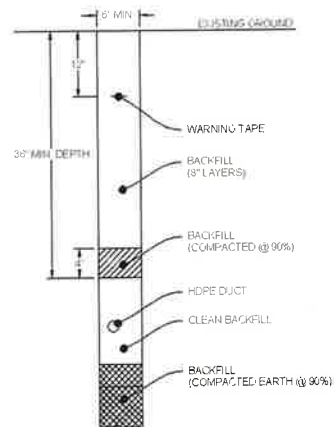


TYPICAL 444LA VAULT DETAIL  
SCALE: NTS

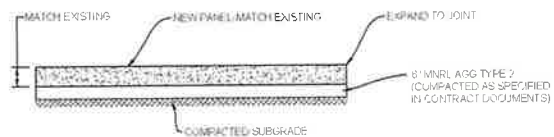


1				AS-BUILT
2				REVISION # 1
1	8/24/17	LS	JLB	ORIGINAL
REV	DATE	ENGINEER	DRAWER	COMMENT
<b>ZAYO GROUP</b>		<b>MGC</b>		
ZAYO ENGINEER DAN BARTOOME				
ENGINEERING FIRM MGC TECHNICAL CONSULTING INC				
PROJECT NUMBER				
LOCATION 2570 WESTPORT RD				
HEMAMSTON NH 03833				
DRAWING NAME ZAYO ENGINEER TO SUBMITTA OF PUMP 2 AND				
CONFIDENTIAL/PROPRIETARY				
				SHEET 07 OF 07

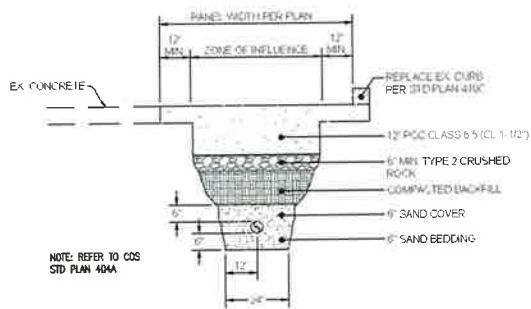
# UNDERGROUND TYPICALS



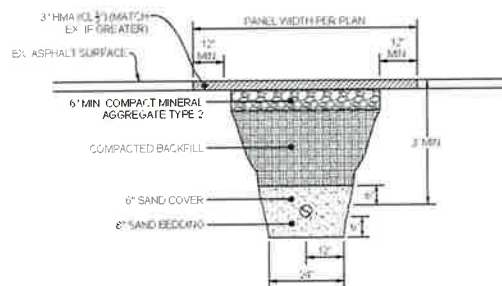
**TYPICAL TRENCH IN SOIL DETAIL**  
SCALE: NTS



**TYPICAL CONCRETE PANEL CROSS SECTION DETAIL**  
SCALE: NTS



**TYPICAL CONCRETE TRENCH DETAIL**  
SCALE: NTS



**TYPICAL PATCH TRENCH DETAIL**  
SCALE: NTS



Know what's Below.  
Call before you dig.

3				AS-BUILT
2				REVISION # 1
1	8/24/17	LS	JLB	ORIGINAL
NO.	DATE	ENGINEER	DRAFTER	COMMENT
ZAYO ENGINEER - DAN CAROMB				
ENGINEERING FIRM - MGS TECHNICAL CONSULTING INC.				
PROJECT NUMBER:				
LOCATION: 25723 WESTPARK RD				
HERMISTON, OR 97138				
DRAWING TITLE: ZAYO WARDEN (DUMATEL) (H - PLAN) 2/4/17				
CONFIDENTIAL/PROPRIETARY				
				SHEET 18 OF 18

ADDRESS: 82353 MUNGER LANE, UMATILLA, OR 97882  
 PROJECT NAME: ZAYO - BOARDMAN TO UMATILLA - ODOT - US 730 - SEG C2



**SITE LOCATION**  
 BILL OF MATERIALS

NEW AERIAL	=	0 FT.
OVERLASH	=	0 FT.
NEW UNDERGROUND	=	22578 FT.
EXISTING UNDERGROUND	=	0 FT.
RISERS	=	0 FT.
ISP	=	10 FT.
TOTAL FOOTAGE	=	22578 FT.



SCALE: NTS

CONTACTS

ZAYO CONTACT  
 DAN BARCOMB  
 22651 83RD AVE S  
 KENT WA 98032  
 C 509 727 3340  
 DAN.BARCOMB@ZAYO.COM

LEVI SPIRET  
 MGC TECHNICAL CONSULTING INC  
 8244 185TH AVE NE  
 REDMOND WA 98052  
 C 206 818 1903  
 LEVI@MGC-TECHNICAL.COM

SHEET INDEX

- 1 COVER SHEET / SITE LOCATION
- 2 LEGEND
- 3 GENERAL NOTES
- 4-17 PLAN VIEWS A - N
- 18 VAULT DIAGRAM
- 19 VAULT DETAIL
- 20 UNDERGROUND TYPICALS

SCOPE OF WORK

BEGINNING ON 3RD ST. EAST OF McNARY HWY. PROPOSED BORE NEW (3, 2' AND (1), 1.25' HDPE SDR 11 INNERDUCT ALONG 3RD ST. BROWNELL BLVD. HWY 139/6TH ST. BEACH ACCESS RD. ROXBURY RD. BUD DRAPER RD. RIVERSIDE AVE. WILLAMETTE AVE AND COLUMBIA BLVD. PULL FIBER CABLE THROUGH PLACE VAULTS ALONG THE WAY

AS-BUILT				
REVISION # 1				
DATE	ENGINEER	DW	DRAWER	COMMENT
0.14.17	LS	DW		
ZAYO ENGINEER: DAN BARCOMB				
ENGINEERING FIRM: MGC TECHNICAL CONSULTING INC				
PROJECT NUMBER:				
LOCATION: 82353 MUNGER LANE, UMATILLA, OR 97882				
DRAWING TITLE: ZAYO - BOARDMAN TO UMATILLA - ODOT - US730 - UMATILLA 800				
CONFIDENTIAL PROPRIETARY SHEET 1 OF 20				

# LEGEND

## LINETYPES

	AERIAL FIBER - EXISTING
	AERIAL FIBER - ATTACH
	AERIAL FIBER - OVERLASH
	STRAND - EXISTING
	STRAND - PROPOSED
	CONDUIT - EXISTING
	CONDUIT - PROPOSED
	INNERDUCT - EXISTING
	INNERDUCT - PROPOSED
	GAS
	WATER
	TELEPHONE
	FIBER OPTIC
	ELECTRIC
	SANITARY SEWER (SEW)
	STORM DRAIN
	CABLE TV
	STEAM
	OIL
	UNKNOWN UTILITY
	FENCE
	RIGHT OF WAY
	EDGE OF PAVEMENT

## ABBREVIATIONS

ASW	ASPHALT SIDEWALK
BIP	BLACK IRON PIPE
BSP	BLACK STEEL PIPE
CSW	CONCRETE SIDEWALK
ELECT.	ELECTRIC
EOP	EDGE OF PAVEMENT
EOTW	EDGE OF TRAVEL WAY
FOC	FACE OF CURB
F/O	FIBER OPTIC
HDPE	HIGH DENSITY POLYETHYLENE
HH	HANDHOLE
JB	JUNCTION BOX
MH	MANHOLE
MP	MILE POST
O/S	OFFSET
PR	POWER RISER
PVC	POLY VINYL CHLORIDE
RGS	RIGID GALVANIZED STEEL CONDUIT
ROW	RIGHT OF WAY
SEW	SANITARY SEWER
SD	STORM DRAIN
STA.	STATION
STM	STEAM
TEL	TELECOM

## SYMBOLS

	RISER - EXISTING		TRANSMISSION/DISTRIBUTION POLE
	RISER - PROPOSED		TRANSMISSION POLE
	CATCH BASIN/INLET (RECTANGULAR)		DISTRIBUTION POLE
	CATCH BASIN/INLET (ROUND)		GROUND/BOND
	FIRE HYDRANT		AERIAL STORAGE - EXISTING
	WATER/GAS VALVE		AERIAL STORAGE - PROPOSED
	LIGHT POST		VAULT/BUILDING STORAGE - EXISTING
	STREET LIGHT		VAULT/BUILDING STORAGE - PROPOSED
	TRAFFIC LIGHT ARM		POLE ANCHOR/DOWN GUY - EXISTING
	TREE		POLE ANCHOR/DOWN GUY - PROPOSED
	CULVERT		DOWN GUY TO EXISTING ANCHOR - PROPOSED
	WING WALL		SPLICE POINT - EXISTING
	BRIDGE		SPLICE POINT - PROPOSED
	STREET SIGN		TERMINATION - EXISTING
	ADA RAMP		TERMINATION - PROPOSED
	UTILITY POLE - EXISTING		PULLBOX - EXISTING
	UTILITY POLE - PROPOSED		PULLBOX - PROPOSED
	TRAFFIC RATED VAULT - EXISTING (SIZE AND UTILITY TYPE MAY VARY)		CONSTRUCTION NOTE / RESTORATION CALLOUT
	TRAFFIC RATED VAULT - PROPOSED (SIZE MAY VARY)		PHOTO-MARKER
	HANDHOLE - EXISTING (SIZE AND UTILITY TYPE MAY VARY)		NORTH ARROW
	HANDHOLE - PROPOSED (SIZE MAY VARY)		
	PEDESTAL - EXISTING (SIZE AND UTILITY TYPE MAY VARY)		
	PEDESTAL - PROPOSED (SIZE MAY VARY)		
	WET UTILITY MANHOLE - EXISTING (SIZE AND UTILITY TYPE MAY VARY)		
	WET UTILITY MANHOLE - PROPOSED (SIZE AND UTILITY TYPE MAY VARY)		
	BORE PIT - PROPOSED (SIZE MAY VARY)		
	UTILITY POTHOLE		

## INFORMATION TABLES

POLE NUMBER:		UTILITY POLE INFORMATION TABLE (NUMBER OF ATTACHMENTS MAY VARY)
EXISTING UTILITY	0'-0"	
PROPOSED ATTACH	0'-0"	

#F	IN:	OUT:	SEQUENTIAL IN/OUT CALLOUT
#F	IN:	TAIL:	SEQUENTIAL IN/TAIL CALLOUT
#F	TAIL:	OUT:	SEQUENTIAL TAIL/OUT CALLOUT

## HATCH PATTERNS

	CONCRETE SIDEWALK
	GRASS/VEGETATION
	GRAVEL
	WATER



3				AS-BUILT
2	8.14.17	LS	DW	REVISION # 1 ORIGINAL
1	GATE	ENGINEER	DRAFTER	COMMENT
<b>zayo</b> <b>MGS</b>				
ZAYO ENGINEERING 6233 BARCAB				
ENGINEERING FROM MGS TECHNICAL CONSULTING				
PROJECT NAME: 07-03 MURDER LANE				
LOCATION: 07-03 MURDER LANE				
MADISON, OH 43082				
DRAWING NAME: 07-03 BARCABAN THUNDERBOLT SWAY TAP				
DATE: 8/14/17				
CONFIDENTIAL/PROPRIETARY SHEET 2 OF 20				

# GENERAL NOTES

## GENERAL NOTES

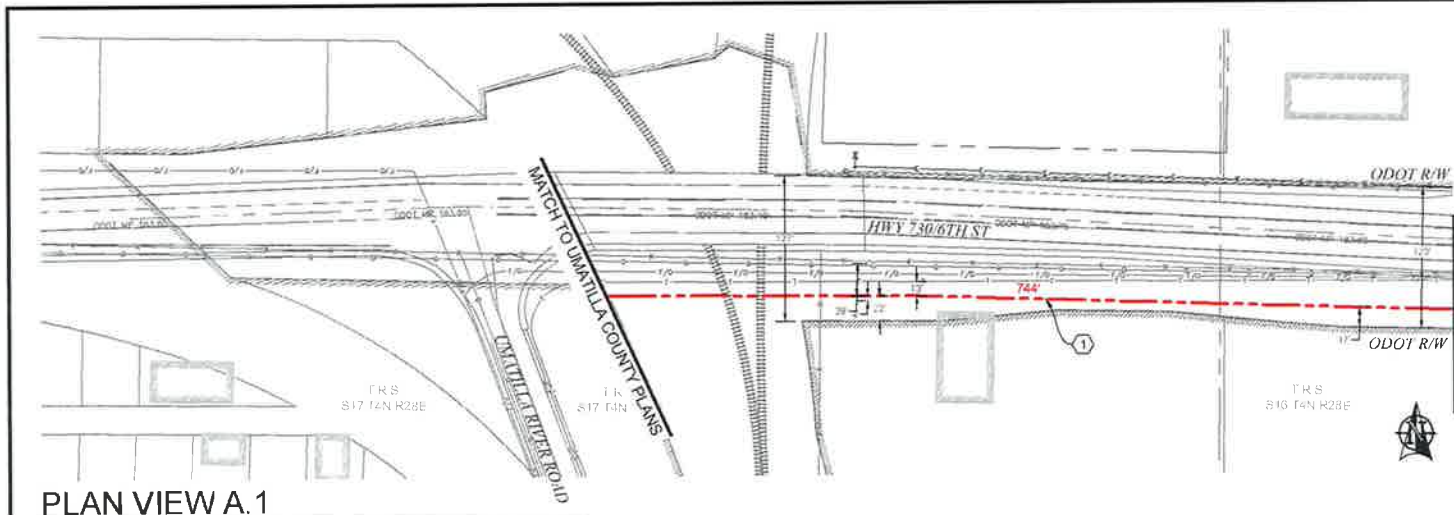
The locations of utilities shown on these drawing are only approximate. MGC TECHNICAL CONSULTING, INC. hereby disclaims any responsibility to third parties for the accuracy of this information. Persons working in the area covered by this drawing must contact the statewide Call-Before-You-Dig System to ascertain the location of underground utilities prior to performing any excavation.

1. ALL MATERIALS, WORKMANSHIP, AND CONSTRUCTION OF UTILITY IMPROVEMENTS SHALL MEET OR EXCEED SITE WORK STANDARDS AND THE STANDARDS AND SPECIFICATIONS SET FORTH IN THE ODOT REGULATIONS AND APPLICABLE STATE AND FEDERAL REGULATIONS. WHERE THERE IS CONFLICT BETWEEN THESE PLANS AND THE SPECIFICATIONS, OR ANY APPLICABLE STANDARDS, THE HIGHER QUALITY STANDARD SHALL APPLY. ALL WORK WITHIN PUBLIC R.O.W. OR EASEMENTS MAY REQUIRE INSPECTED AND APPROVED BY THE ODOT INSPECTOR. INSPECTION SERVICES AND CONSTRUCTION CERTIFICATION TO BE PROVIDED BY DESIGNEE OF PROJECT SPONSOR/OWNER.
2. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES, AS SHOWN ON THESE PLANS, IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED UPON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE LOCAL UTILITY LOCATION CENTER AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF EXISTING UTILITIES. THE CONTRACTOR SHALL VERIFY PERTINENT LOCATIONS AND ELEVATIONS, ESPECIALLY AT THE CONNECTION POINTS AND AT POTENTIAL UTILITY CONFLICTS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES THAT CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THESE PLANS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM ALL APPLICABLE AGENCIES. THE CONTRACTOR SHALL NOTIFY THE ODOT INSPECTOR AT LEAST 48 HOURS PRIOR TO THE START OF ANY EARTH DISTURBING ACTIVITY OR CONSTRUCTION ON ANY AND ALL PUBLIC IMPROVEMENTS IF REQUIRED.
4. THE CONTRACTOR SHALL COORDINATE AND COOPERATE WITH THE ODOT AND ALL UTILITY COMPANIES WITH REGARD TO RELOCATIONS OR ADJUSTMENTS OF EXISTING UTILITIES DURING CONSTRUCTION, TO ASSURE THAT THE WORK IS ACCOMPLISHED IN A TIMELY FASHION, AND WITH A MINIMUM DISRUPTION OF SERVICE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL PARTIES AFFECTED BY ANY DISRUPTION OF ANY UTILITY SERVICE.
5. THE CONTRACTOR SHALL HAVE ONE (1) SIGNED COPY OF THE APPROVED PLANS, ONE (1) COPY OF THE APPROPRIATE STANDARDS AND SPECIFICATIONS, AND ONE (1) COPY OF ANY PERMITS AND EXTENSION AGREEMENTS NEEDED FOR THE JOB ON-SITE AT ALL TIMES.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ASPECTS OF SAFETY INCLUDING, BUT NOT LIMITED TO: EXCAVATION, TRENCHING, SHORING, TRAFFIC CONTROL, AND SECURITY.
7. IF, DURING THE CONSTRUCTION PROCESS, CONDITIONS ARE ENCOUNTERED BY THE CONTRACTOR, HIS SUBCONTRACTORS, OR OTHER AFFECTED PARTIES WHICH COULD INDICATE A SITUATION THAT IS NOT IDENTIFIED IN THE PLANS OR SPECIFICATIONS, THE CONTRACTOR SHALL CONTACT THE ENGINEER IMMEDIATELY.
8. ALL REFERENCES TO ANY PUBLISHED STANDARDS SHALL REFER TO THE LATEST REVISION OF SAID STANDARD, UNLESS SPECIFICALLY STATED OTHERWISE.
9. FOR WORK AFFECTING PUBLIC ROADWAYS OR IF REQUIRED BY THE ODOT, THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL AND PHASING PLAN IN ACCORDANCE WITH M.U.T.C.D. FOR APPROVAL PRIOR TO ANY CONSTRUCTION ACTIVITIES WITHIN OR AFFECTING THE RIGHT-OF-WAY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ANY AND ALL TRAFFIC CONTROL DEVICES AS MAY BE REQUIRED BY SAID PLANS. PRIOR TO INSTALLATION A PRECONSTRUCTION CONFERENCE SHALL BE HELD WITH ODOT.
10. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL LABOR AND MATERIALS NECESSARY FOR THE COMPLETION OF THE INTENDED IMPROVEMENTS SHOWN ON THESE DRAWINGS OR DESIGNATED TO BE PROVIDED, INSTALLED, CONSTRUCTED, REMOVED OR RELOCATED UNLESS SPECIFICALLY NOTED OTHERWISE.
11. PER AGENCY STANDARDS THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING ROADWAYS FREE AND CLEAR OF ALL CONSTRUCTION DEBRIS AND DIRT TRACKED FROM THE SITE.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RECORDING RECORD INFORMATION ON A SET OF RECORD DRAWINGS KEPT AT THE CONSTRUCTION SITE AND AVAILABLE TO THE ODOT INSPECTOR AT ALL TIMES.
13. DIMENSIONS FOR LAYOUT AND CONSTRUCTION ARE NOT TO BE SCALED FROM ANY DRAWING. FOR ADDITIONAL INFORMATION CONTACT THE ENGINEER FOR CLARIFICATION AND NOTE ON THE RECORD DRAWINGS.
14. ALL EROSION AND SEDIMENT CONTROL (E.S.C.) MEASURES SHALL BE INSTALLED AT THE LIMITS OF CONSTRUCTION PRIOR TO GROUND DISTURBING ACTIVITY. ALL E.S.C. MEASURES SHALL BE MAINTAINED IN GOOD REPAIR BY THE CONTRACTOR UNTIL SUCH TIME AS THE ENTIRE DISTURBED AREAS ARE STABILIZED WITH HARD SURFACE OR LANDSCAPING.
15. ALL WORK WITHIN THE PUBLIC RIGHT-OF-WAY IS SUBJECT TO THE JURISDICTION OF THE ODOT ENGINEERING DEPARTMENT STANDARD DETAILS AND SPECIFICATIONS.
16. ALL CONSTRUCTION OPERATIONS, INCLUDING THE WARMING UP, REPAIR, ARRIVAL, DEPARTURE OR RUNNING OF TRUCKS, EARTH MOVING EQUIPMENT, CONSTRUCTION EQUIPMENT AND ANY OTHER ASSOCIATED EQUIPMENT SHALL GENERALLY BE LIMITED TO THE TIME PERIOD APPROVED BY THE ODOT.



Know what's below.  
Call before you dig.

				AS-BUILT
#	DATE	BY	REVISION	#
1	9.14.17	LS	DN	1
Rev	DATE	ENGINEER	DRAFTER	REVISION COMMENT
		<b>zayo</b> GROUP		<b>MGC</b> TECHNICAL CONSULTING, INC.
DATE ENGINEER		DATE DRAFTER		
ENGINEERING FROM MGC TECHNICAL CONSULTING, INC.				
PROJECT NUMBER				
LOCATION: 8015 MIDCOURT LANE SMITHVILLE, MO 65750				
DRAWN BY: JNT/LS CHECKED BY: JNT/LS				
CONFIDENTIAL/PROPRIETARY				SHEET 8 OF 20

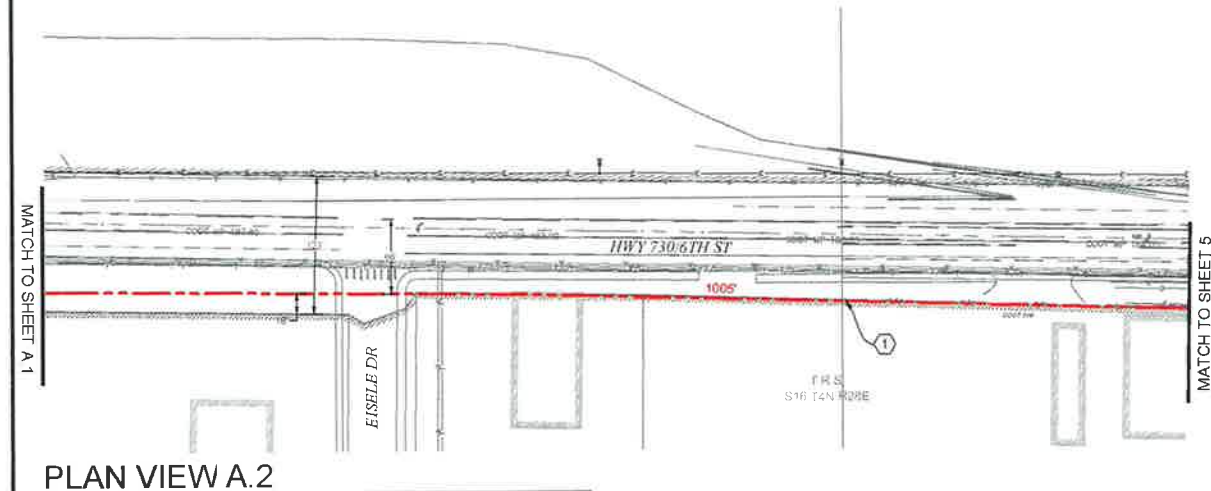


PLAN VIEW A.1

- CONSTRUCTION NOTES**
- ① PROPOSED BORE NEW (3) 2" AND (1) 1.25" HDPE SDR 11 INNERDUCT, PULL FIBER CABLE THROUGH. REPAIR SURFACE PER LOCAL JURISDICTION STANDARDS. CONTRACTOR TO POTHOLE UTILITIES PRIOR TO CONSTRUCTION.
  - ② PROPOSED PLACE (1) 30" X 48" BULK SERIES 7 VAULT. PROPOSED PLACE (1) 24" X 48" BULK SERIES 4 VAULT. PULL FIBER THROUGH. SEE VAULT DIAGRAM V-2 ON SHEET 16. SEE VAULT DETAILS ON SHEET 19.

**CONTRACTOR NOTES**

ADD 1" OF COMPACT GRAVEL AND WIRE MESH ON THE FLOOR OF EACH VAULT.



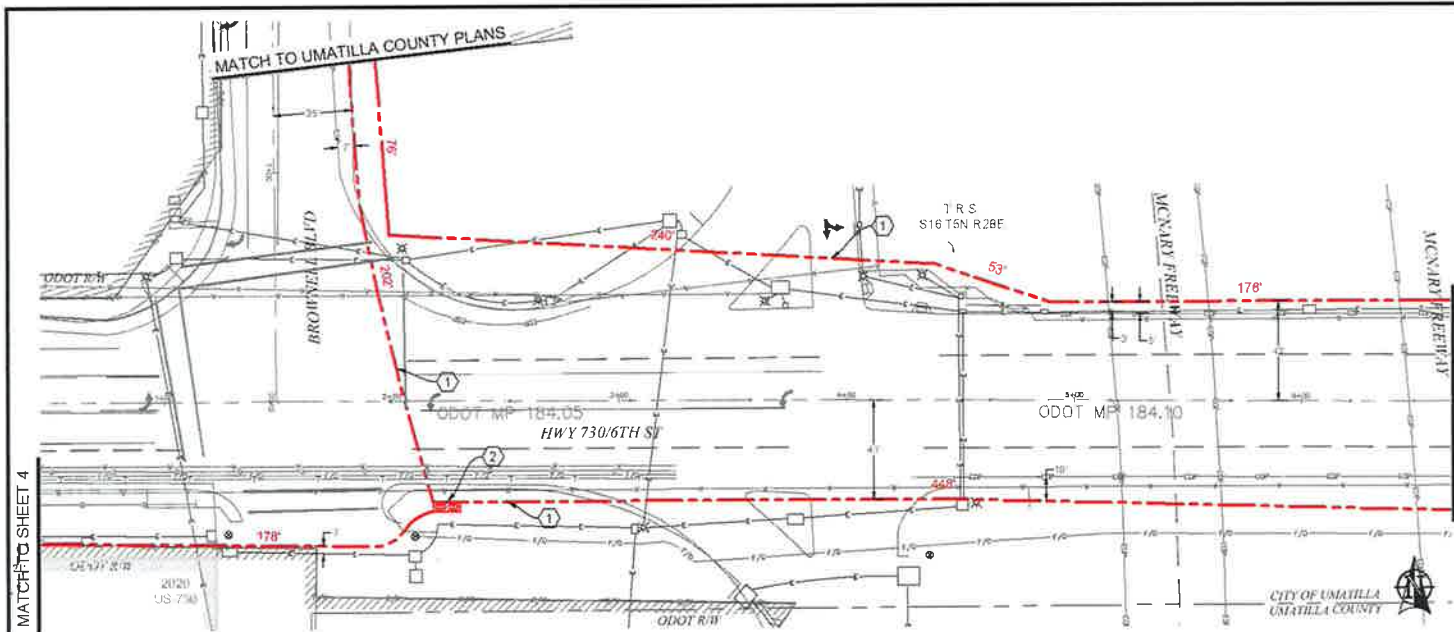
PLAN VIEW A.2



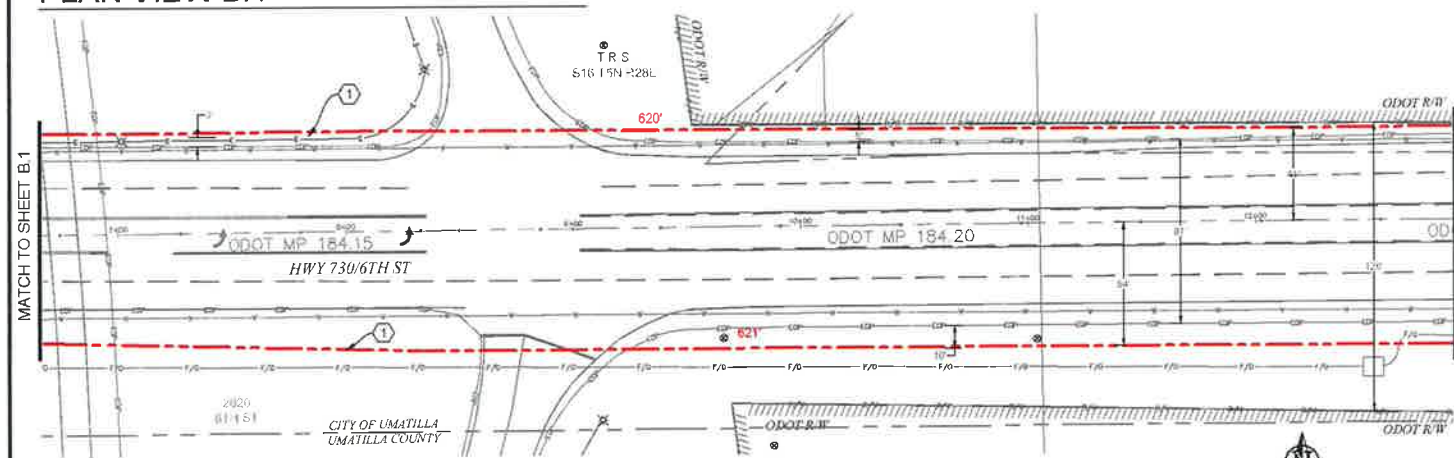
**811**  
Know what's below.  
Call before you dig.

SCALE: 1"=100'

NO.	DATE	ENGINEER	LS	DRW	CREATED	REVISION #	REVISION # 1	
1	8/14/17						ORIGINAL	
							<b>zayo</b>	<b>MGE</b>
ZAYO ENGINEER - DAN BARNUM								
ENGINEERING TEAM - MDC TECHNICAL CONSULTING								
PROJECT NUMBER								
LOCATION - 8253 MINGER LANE								
UMATILLA, OR 97130								
DRAWING NAME - 24" X 48" BULKHEAD TO UMATILLA (04) - FINI								
DATE: 8/14/17								
CONFIDENTIAL/PROPRIETARY								



PLAN VIEW B.1



PLAN VIEW B.2

CONSTRUCTION NOTES

- ① PROPOSED BORE NEW (3) 2" AND (1) 1.25" HDPE SDR 11 INNERDUCT. PULL FIBER CABLE THROUGH. REPAIR SURFACE PER LOCAL JURISDICTION STANDARDS. CONTRACTOR TO POTHOLE UTILITIES PRIOR TO CONSTRUCTION.
- ② PROPOSED PLACE (1) 30" X 48" BULK SERIES 7 VAULT. PROPOSED PLACE (1) 24" X 48" BULK SERIES 4 VAULT. PULL FIBER THROUGH. SEE VAULT DIAGRAM V-2 ON SHEET 1B. SEE VAULT DETAILS ON SHEET 1B.

CONTRACTOR NOTES

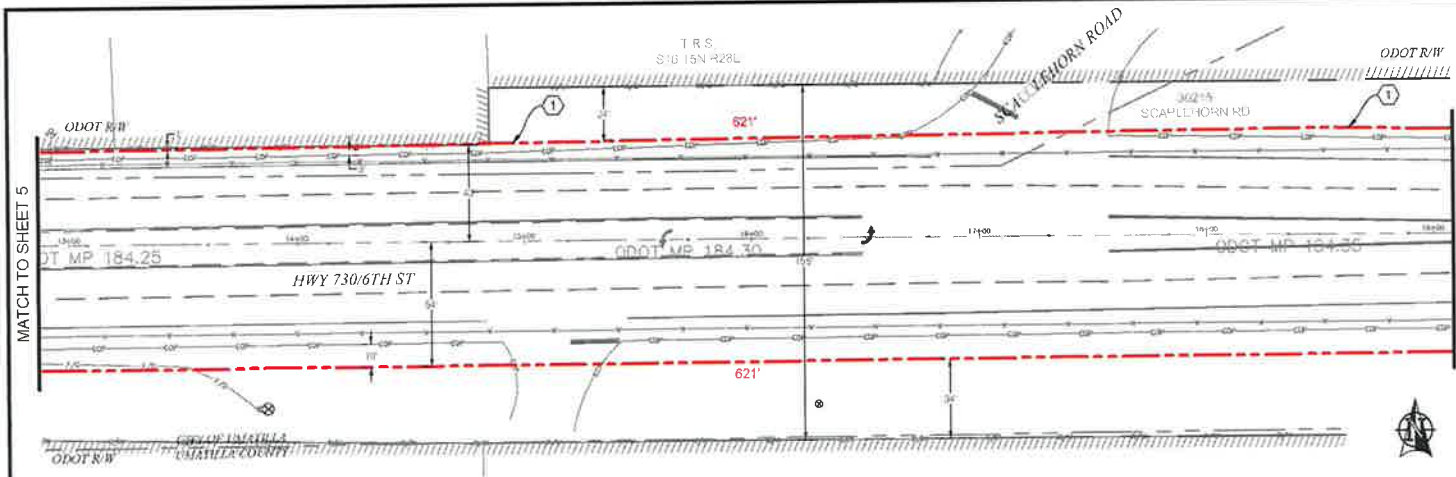
ADD 1" OF COMPACT GRAVEL AND WIRE MESH ON THE FLOOR OF EACH VAULT.



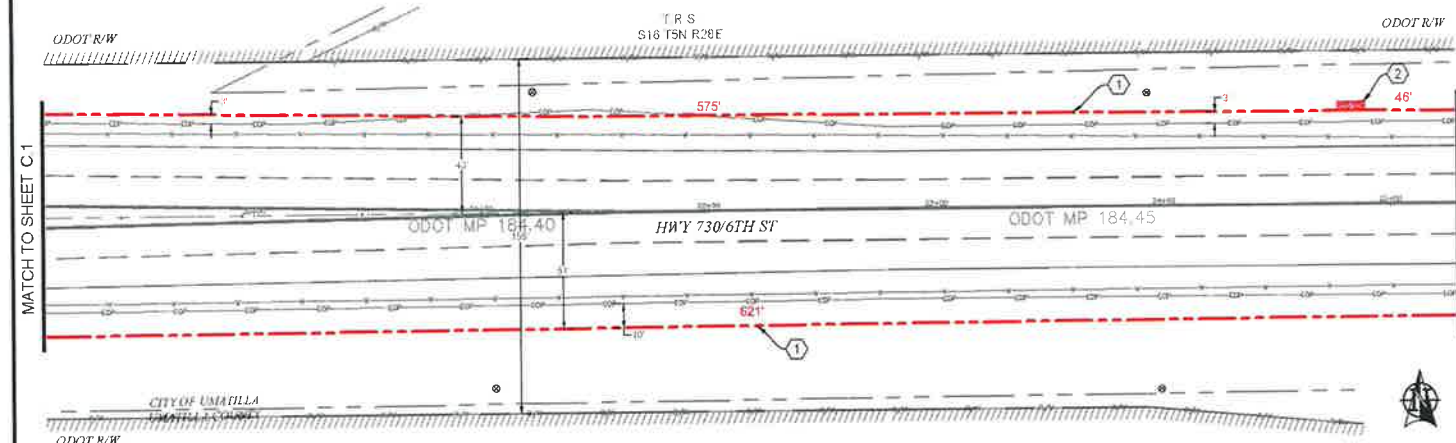
NO.	DATE	ENGINEER	DRAWER	REVISION	REASON
1	9.14.17	LS	DW	AS-BUILT	REVISION # 1
2				ORIGINAL	COMMENT

ZAYO ENGINEER DAN BARCOMBE  
 ENGINEERING FIRM MGC TECHNICAL CONSULTING INC.  
 PROJECT NUMBER  
 LOCATION: 8735 WINDYBUSH LANE  
 UMATILLA, OR 97142  
 DRAWING NAME: ZAYO - WINDYBUSH TR UMATILLA - 6041 - PART 1  
 DRAWN BY: MGC  
 CONFIDENTIAL/PROPRIETARY SHEET 8 OF 20





PLAN VIEW C.1



PLAN VIEW C.2

**CONSTRUCTION NOTES**

① PROPOSED BORE NEW (3) 2" AND (1) 1.25" HDPE SDR 11 INNERDUCT. PULL FIBER CABLE THROUGH. REPAIR SURFACE PER LOCAL JURISDICTION STANDARDS. CONTRACTOR TO POTHOLE UTILITIES PRIOR TO CONSTRUCTION.

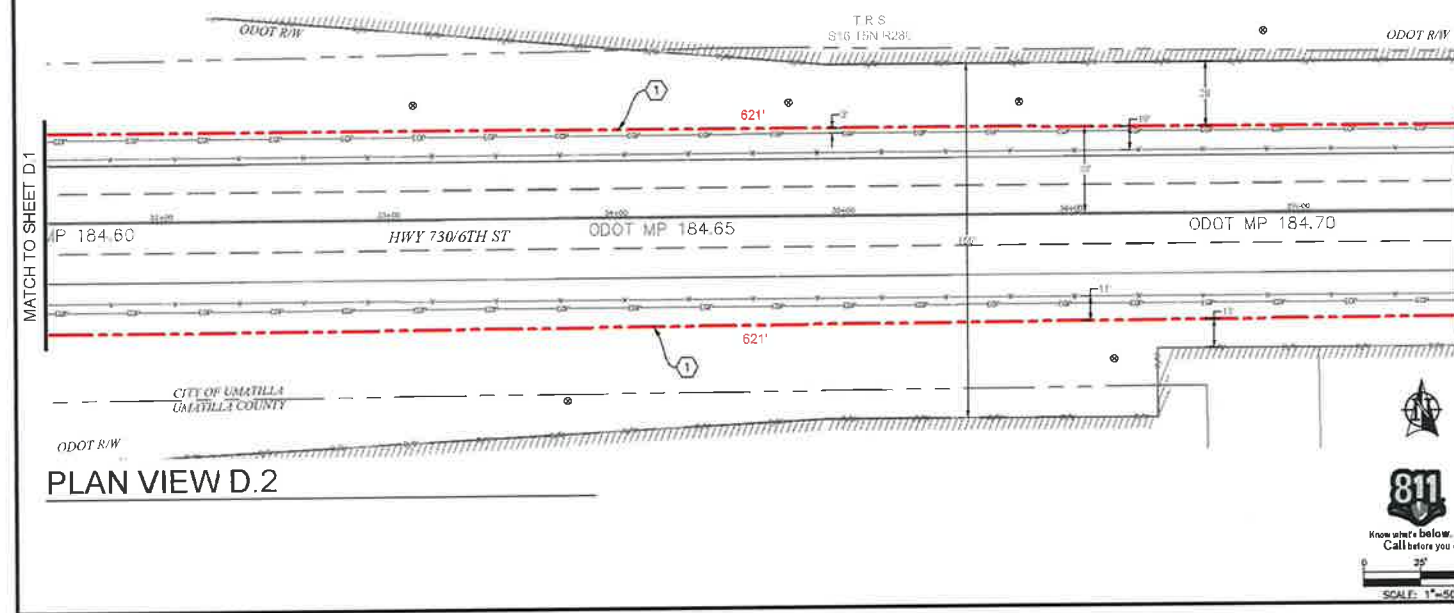
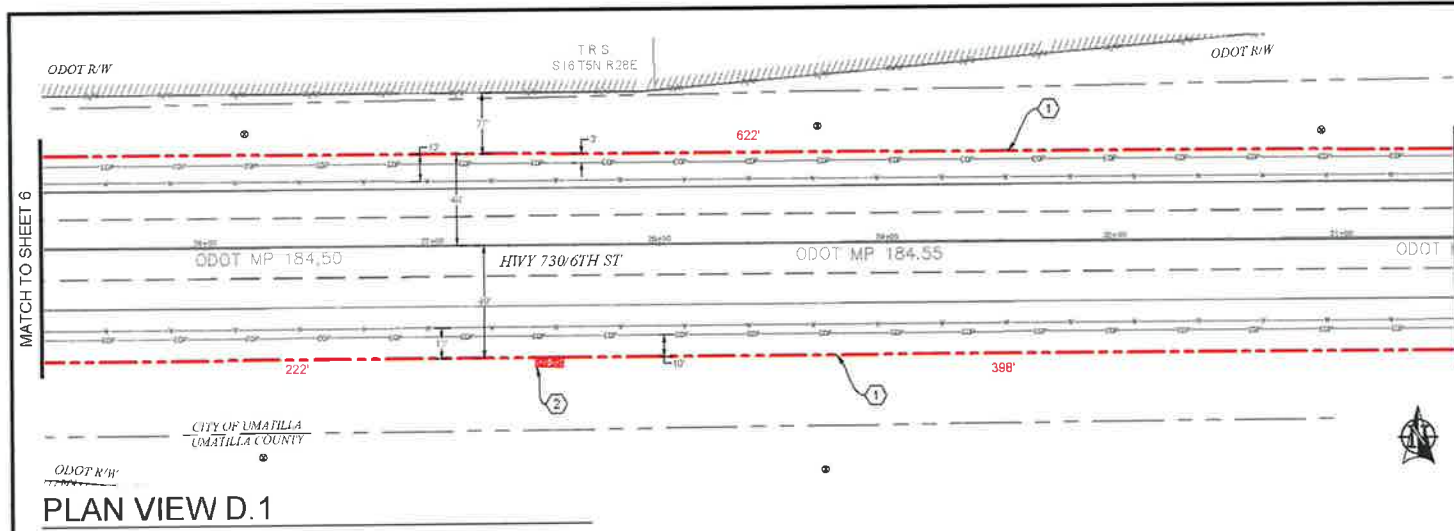
② PROPOSED PLACE (1) 30" X 48" BULK SERIES 7 VAULT. PROPOSED PLACE (1) 24" X 48" BULK SERIES 4 VAULT. PULL FIBER THROUGH. SEE VAULT DIAGRAM V-2 ON SHEET 18. SEE VAULT DETAILS ON SHEET 19.

**CONTRACTOR NOTES**

ADD 1" OF COMPACT GRAVEL AND WIRE MESH ON THE FLOOR OF EACH VAULT.

NO.	DATE	ENGINEER	DRAWN	COMMON	AS-BUILT
1	9.14.17	LS	DW	ORIGINAL	REVISION # 1
2					

**zayo** **MGE**  
 ZAYO ENGINEER Dan Barclay  
 ENGINEERING FIRM MGC TECHNICAL CONSULTING, INC.  
 SINGLE CITY DESIGN  
 LOCATION: 8255 MINGER LANE  
 UMATILLA, OR 97150  
 DRAWING NAME: 24111 8255MINGER LANE UMATILLA ODOT 730/6  
 24111 8255MINGER LANE  
 CONFIDENTIAL/PRIORITARY SHEET 8 OF 33



**CONSTRUCTION NOTES**

① PROPOSED BORE NEW (3) 2" AND (1) 1.25" HDPE SDR 11 INNERDUCT. PULL FIBER CABLE THROUGH. REPAIR SURFACE PER LOCAL JURISDICTION STANDARDS. CONTRACTOR TO POTHOLE UTILITIES PRIOR TO CONSTRUCTION.

② PROPOSED PLACE (1) 30" X 48" BULK SERIES 7 VAULT. PROPOSED PLACE (1) 24" X 48" BULK SERIES 4 VAULT. PULL FIBER THROUGH. SEE VAULT DIAGRAM V-2 ON SHEET 18. SEE VAULT DETAILS ON SHEET 19.

**CONTRACTOR NOTES**

ADD 1" OF COMPACT GRAVEL AND WIRE MESH ON THE FLOOR OF EACH VAULT.



**811**  
Know what's below.  
Call before you dig

SCALE: 1"=50'

NO.	DATE	ENGINEER	DRAWER	AS-BUILT	REVISION #
1	2.14.17	LS	DN		ORIGINAL
REV					COMMENT

**zayo** **MGC**

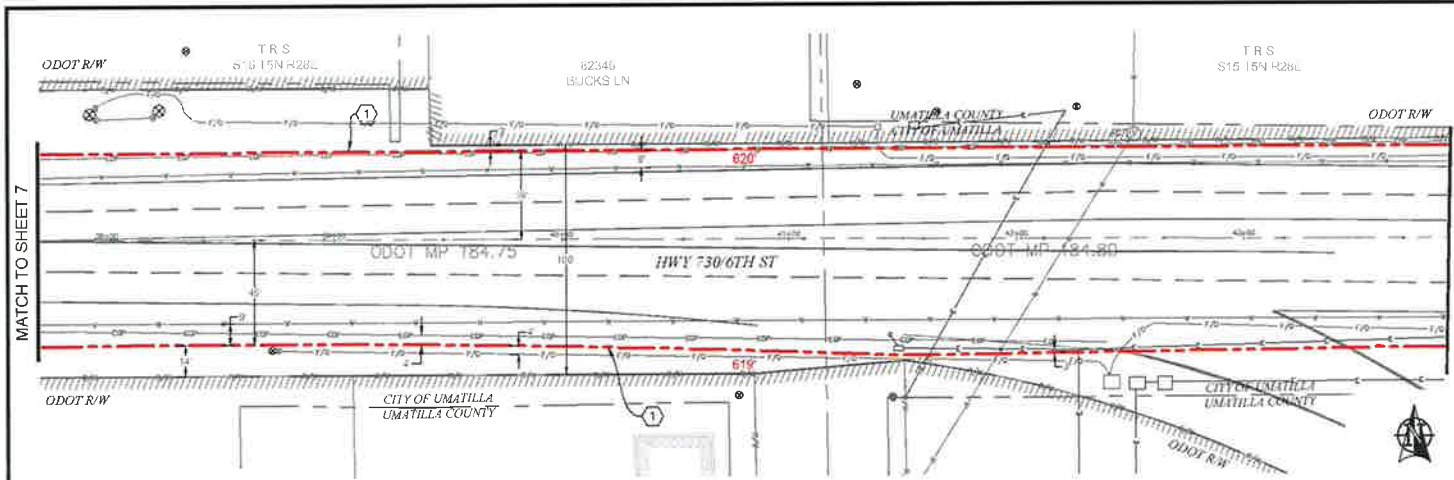
ZAYO ENGINEERING UMN (ARPCOM)  
ENGINEERING FIRM MGC TECHNICAL CONSULTING INC.

PROJECT NUMBER:  
LOCATION: 87255 MARGER LANE  
UMATILLA, OR 97182

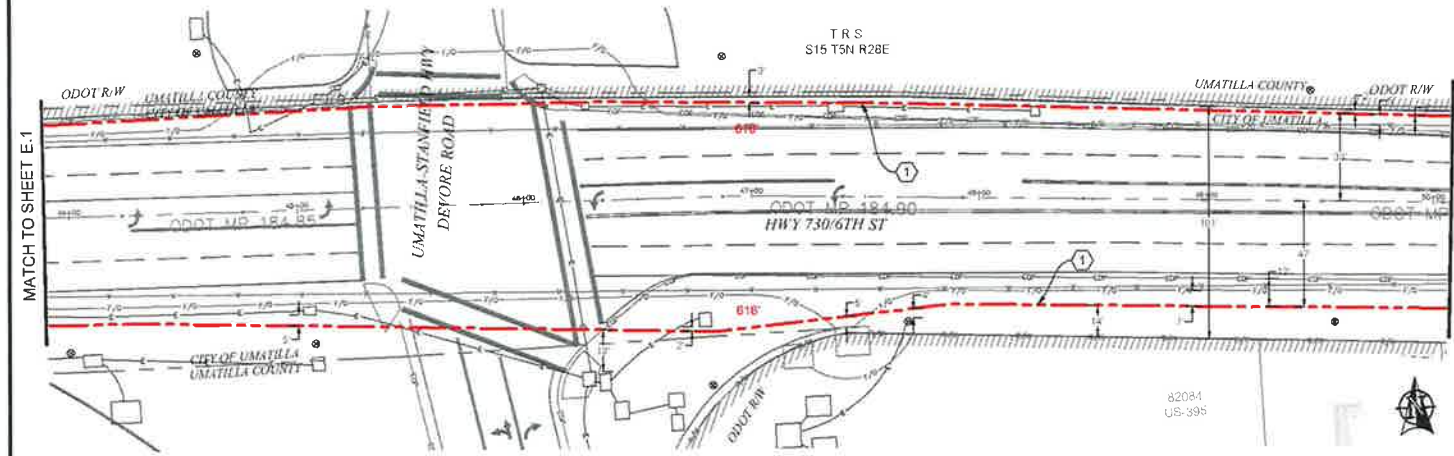
DRAWING NAME: 2410 - HIGHWAY 730 UMATILLA - ODOT 7.8L TO UMATILLA RD

CONFIDENTIAL/PROPRIETARY

DWLT 1-54-20



PLAN VIEW E.1



PLAN VIEW E.2

CONSTRUCTION NOTES

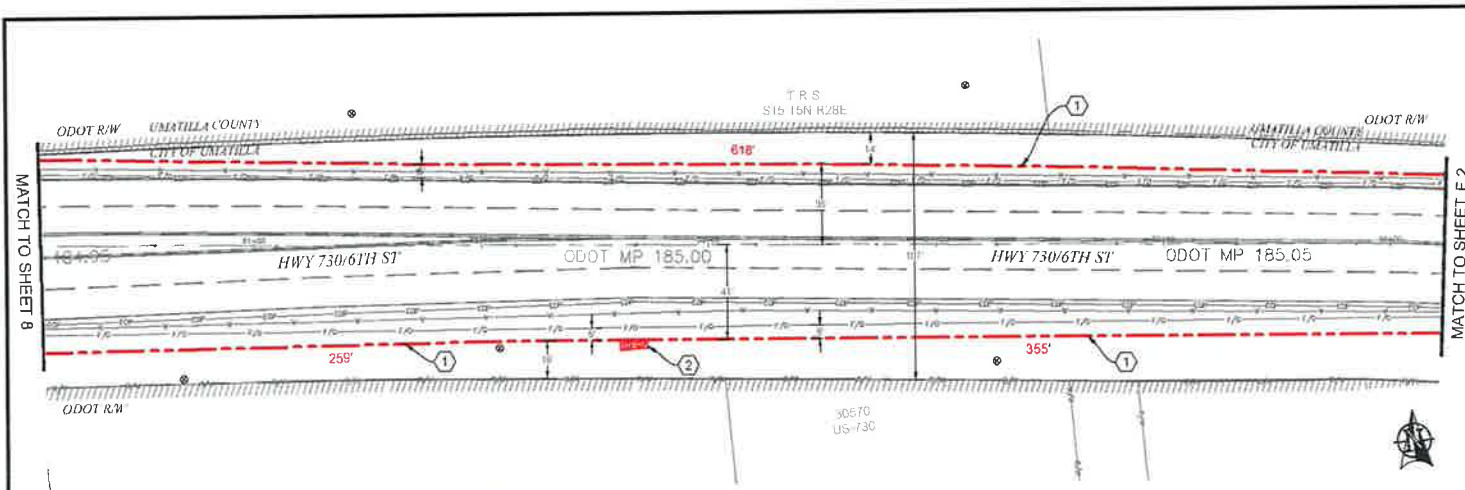
- ① PROPOSED BORE NEW (3) 2" AND (1) 1.25" HDPE SDR 11 INNERDUCT, PULL FIBER CABLE THROUGH SURFACE PER LOCAL JURISDICTION STANDARDS. CONTRACTOR TO POT-HOLE UTILITIES PRIOR TO CONSTRUCTION.

1				AS-BUILT
1	9.14.17	LS	DW	REVISION # 1 ORIGINAL
NO.	DATE	ENGINEER	DRAFTER	COMMENT
  				
DRAWN BY: DW				
CHECKED BY: LS				
PROJECT NUMBER: 184.00				
LOCATION: 80250 M-1080R LANE				
UMATILLA, OR 97102				
DRAWING NAME: DATA TRANSMISSION UMATILLA ODOT 730/6TH ST				
UMATILLA, OR				
CONFIDENTIAL/PROPRIETARY SHEET 2 OF 2				

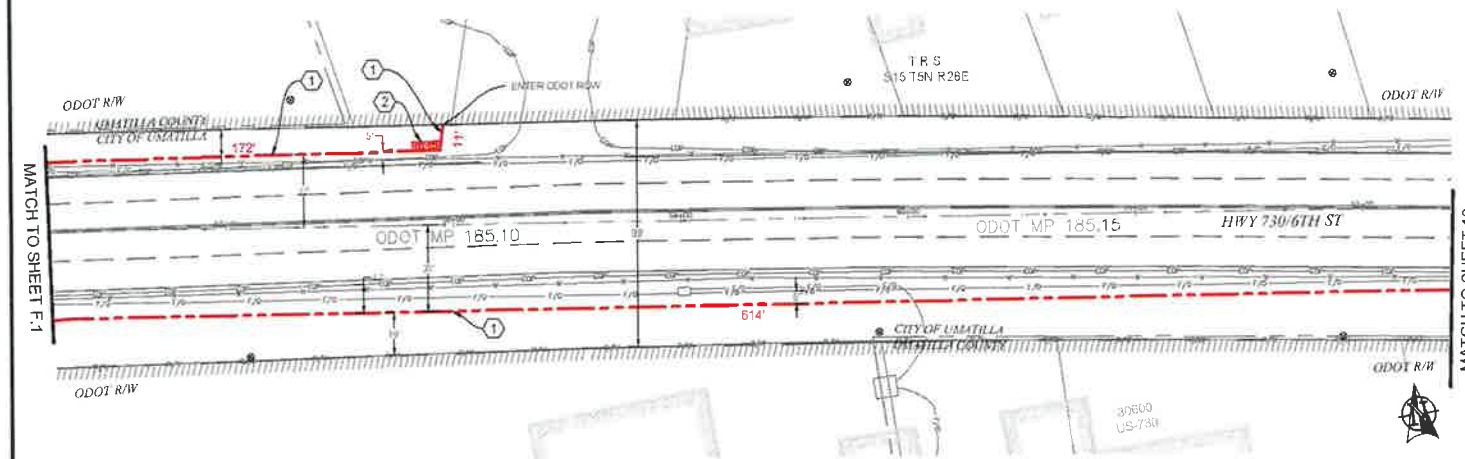
811  
Know what's below.  
Call before you dig.



SCALE: 1"=50'



PLAN VIEW F.1



PLAN VIEW F.2

- CONSTRUCTION NOTES**
- ① PROPOSED BORE NEW (3) 2" AND (1) 1.25" HDPE SDR 11 INNERDUCT. PULL FIBER CABLE THROUGH. REPAIR SURFACE PER LOCAL JURISDICTION STANDARDS. CONTRACTOR TO POTHOLE UTILITIES PRIOR TO CONSTRUCTION.
  - ② PROPOSED PLACE (1) 30" X 48" BULK SERIES 7 VAULT. PROPOSED PLACE (1) 24" X 48" BULK SERIES 4 VAULT. PULL FIBER THROUGH. SEE VAULT DIAGRAM V-2 ON SHEET 1B. SEE VAULT DETAILS ON SHEET 19.

**CONTRACTOR NOTES**

ADD 1" OF COMPACT GRAVEL AND WIRE MESH ON THE FLOOR OF EACH VAULT.

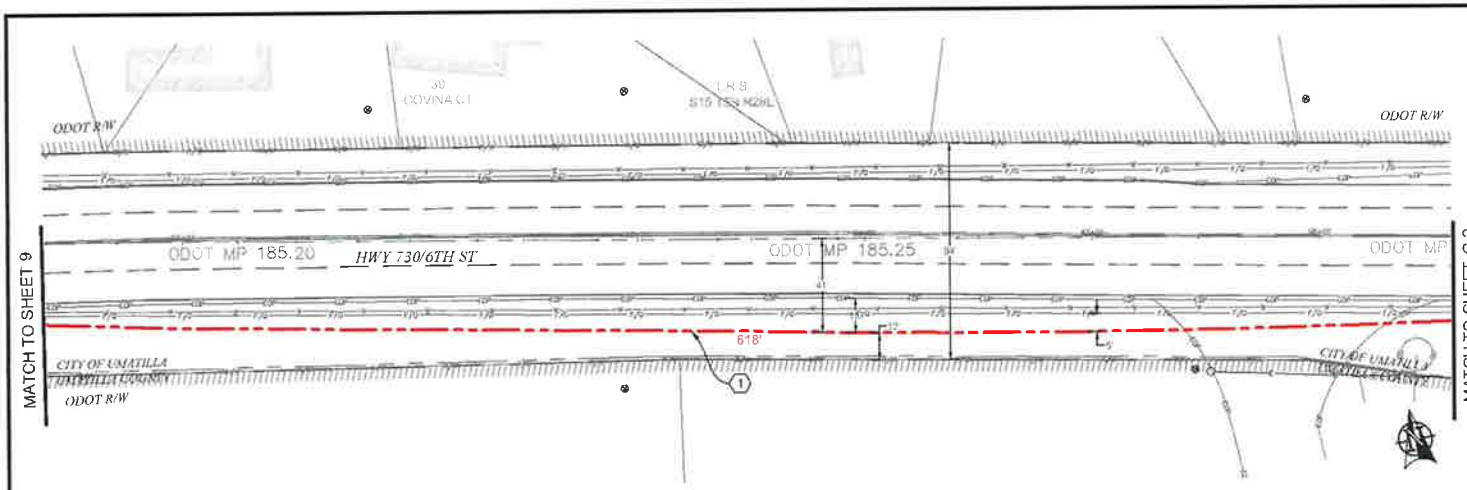
811  
Know what's below.  
Call before you dig.

NO.	DATE	BY	CHKD.	REVISION #	COMMENT
1	8.14.17	LS	DW	AS-BUILT	REVISION # 1 ORIGINAL

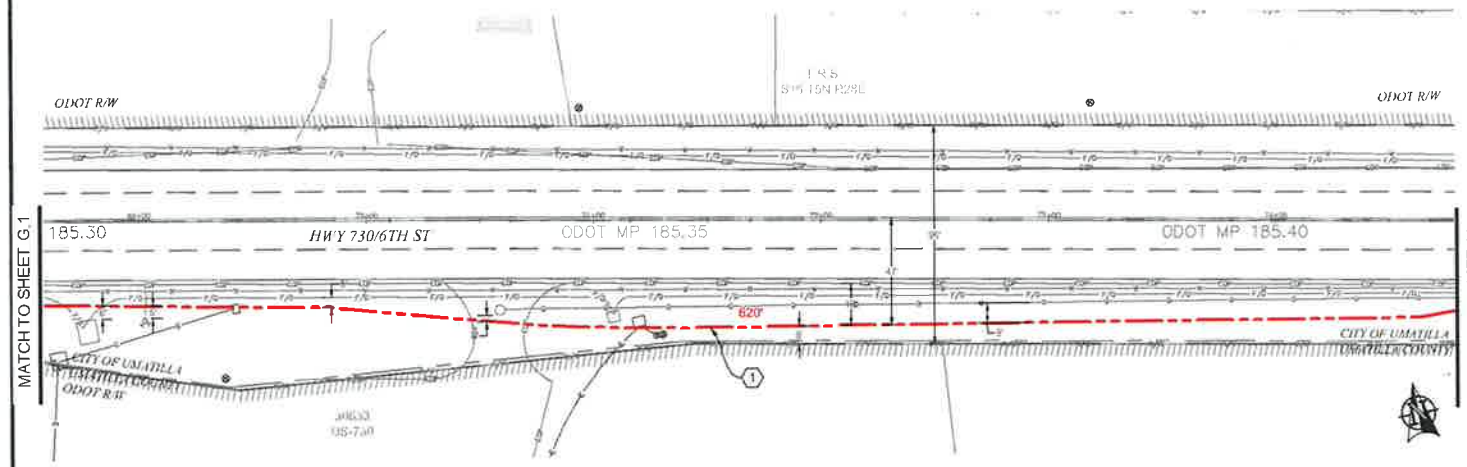
**zayo** **MGE**

ZAYO ENGINEER: DAN BARCLAY  
 DESIGN: ZAYO ENGINEER; MGE TECHNICAL CONSULTING INC.  
 PROJECT NUMBER:  
 LOCATION: 8233 MINGER LANE  
 UMATILLA, OR 97187  
 DRAWING NAME: 811F - BORROWMAN TO UMATILLA ROAD TRAFFIC  
 UMATILLA, OR

CONFIDENTIAL/PROPRIETARY SHEET 8 OF 20



PLAN VIEW G.1



PLAN VIEW G.2

**CONSTRUCTION NOTES**

① PROPOSED BORE NEW (3) 2" AND (1) 1.25" HDPE SDR 11 INNERDUCT. PULL FIBER CABLE THROUGH. REPAIR SURFACE PER LOCAL JURISDICTION STANDARDS. CONTRACTOR TO POTHOLE UTILITIES PRIOR TO CONSTRUCTION.



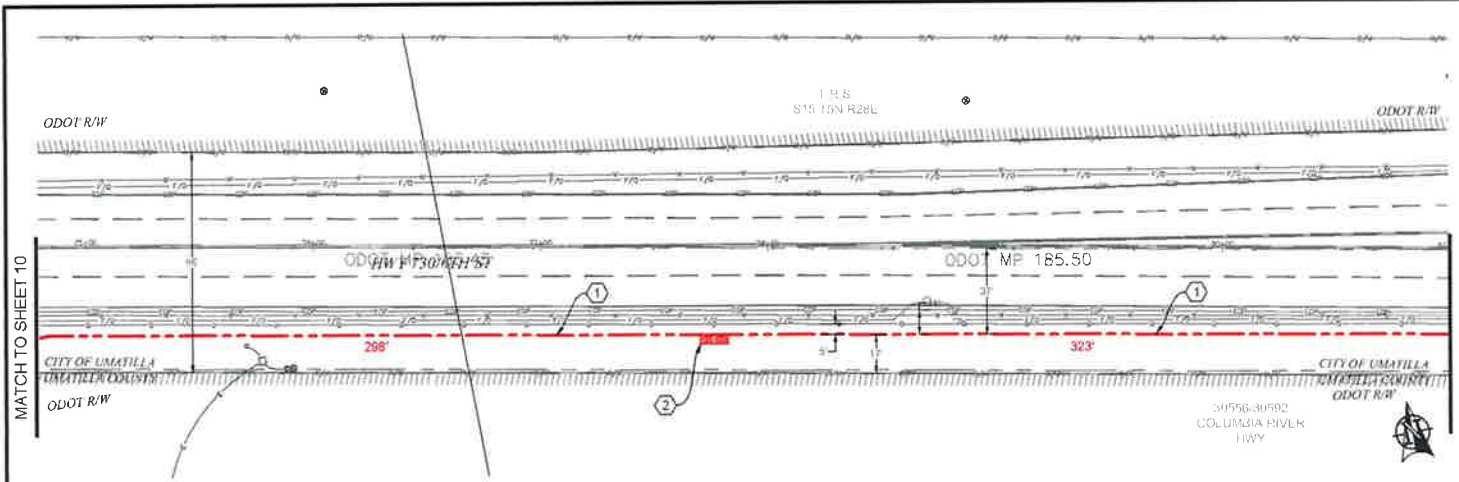
**811**  
Know what's below.  
Call before you dig.

SCALE: 1"=50'

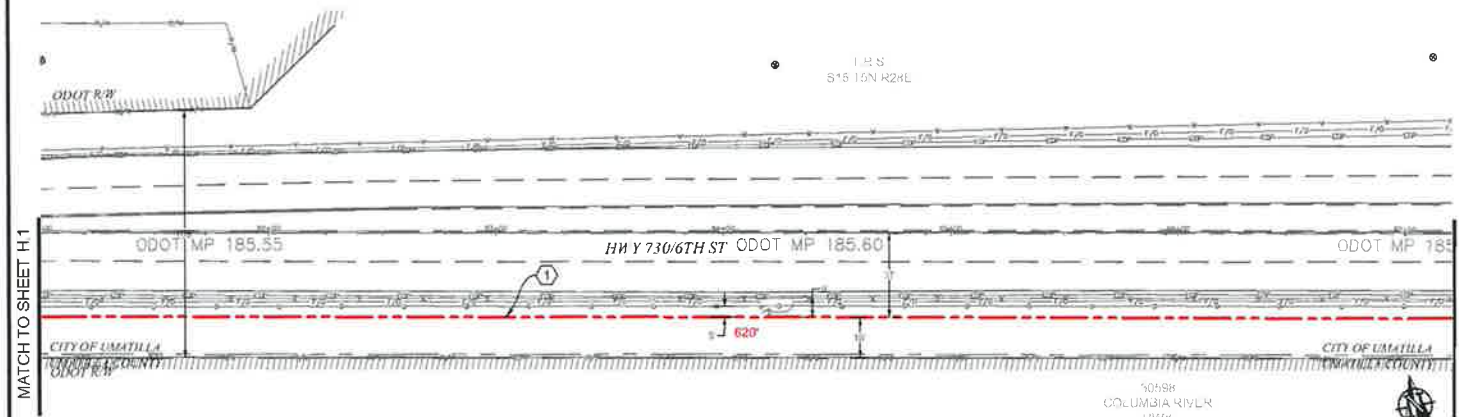
NO.	DATE	BY	CHKD.	REVISION
1	8.14.17	LS	DW	REVISION # 1
2		ENGINEER	DRAWER	ORIGINAL COMMENT

ZAYO ENGINEERING  
ENGINEER: JEFF STINE - MGC TECHNICAL CONSULTING  
PROJECT NUMBER:  
LOCATION: EDWARDS BRIDGE LANE  
UMATILLA, OH 45782  
DRAWN BY: JAYE BURKHARDT / MATILDA SCOTT / JEFF STINE  
UMATILLA, OH

CONFIDENTIAL/PROPRIETARY SHEET 18 OF 28



PLAN VIEW H.1

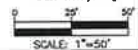


PLAN VIEW H.2

- CONSTRUCTION NOTES**
- ① PROPOSED BORE NEW (3) 2" AND (1) 1.25" HDPE SDR 11 INNERDUCT, PULL FIBER CABLE THROUGH. REPAIR SURFACE PER LOCAL JURISDICTION STANDARDS. CONTRACTOR TO PATCH UTILITIES PRIOR TO CONSTRUCTION.
  - ② PROPOSED PLACE (1) 30" X 48" BULK SERIES 7 VAULT. PROPOSED PLACE (1) 24" X 48" BULK SERIES 4 VAULT. PULL FIBER THROUGH. SEE VAULT DIAGRAM V-2 ON SHEET 18. SEE VAULT DETAILS ON SHEET 19.

**CONTRACTOR NOTES**

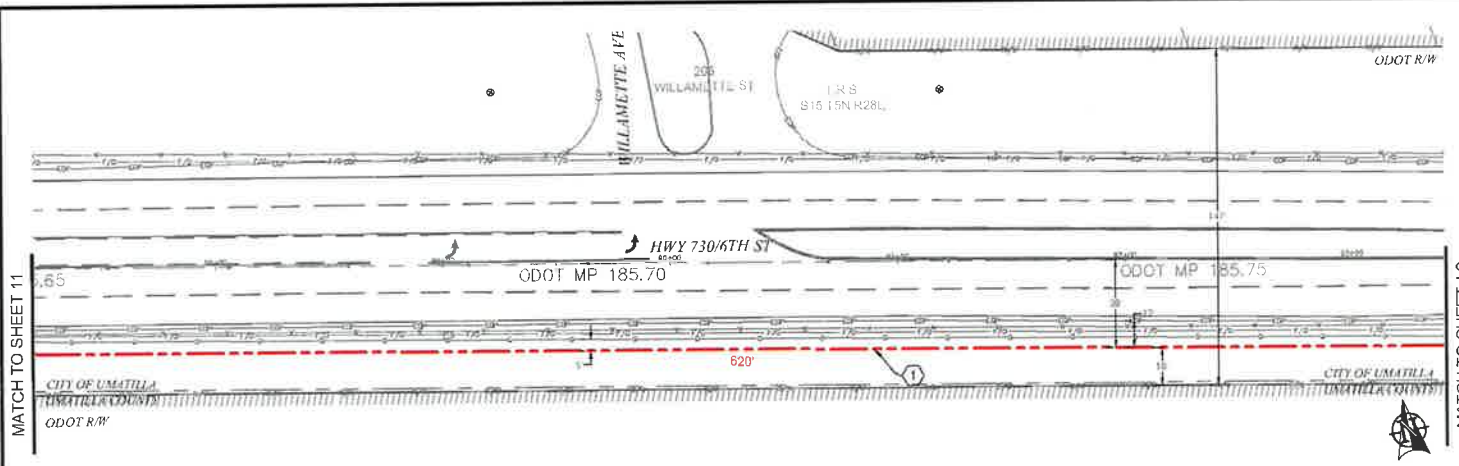
ADD 1" OF COMPACT GRAVEL AND WIRE MESH ON THE FLOOR OF EACH VAULT.



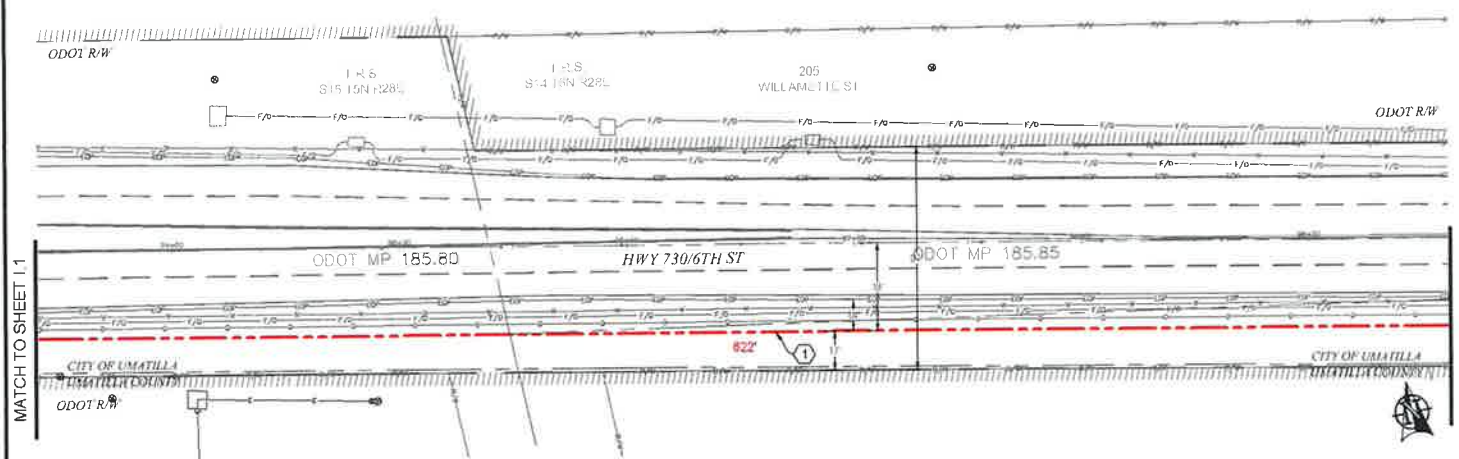
AS-BUILT			
NO.	DATE	ENGINEER	REVISION # 1
1	9.14.17	LSW	CHUNK
2		ENGINEER	CHUNK
3		DATE	COMMENT
ZAYO ENGINEER CHL BAP/CAMI			
ENGINEERING FIRM MXX TECHNICAL CONSULTING			
PROJECT NUMBER			
LOCATION 8155 AMBER LANE			
UMATILLA, OR 97102			
DRAWING SCALE 1/8\"/>			
CONFIDENTIAL/PROPRIETARY SHEET 11 OF 26			

CONSTRUCTION NOTES

- ① PROPOSED BORE NEW (3) 2" AND (1) 1.25" HDPE SDR 11 INNERDUCT. PULL FIBER CABLE THROUGH. REPAIR SURFACE PER LOCAL JURISDICTION STANDARDS. CONTRACTOR TO POTHOLE UTILITIES PRIOR TO CONSTRUCTION.



PLAN VIEW I.1



PLAN VIEW I.2



**811**  
Know what's below  
Call before you dig

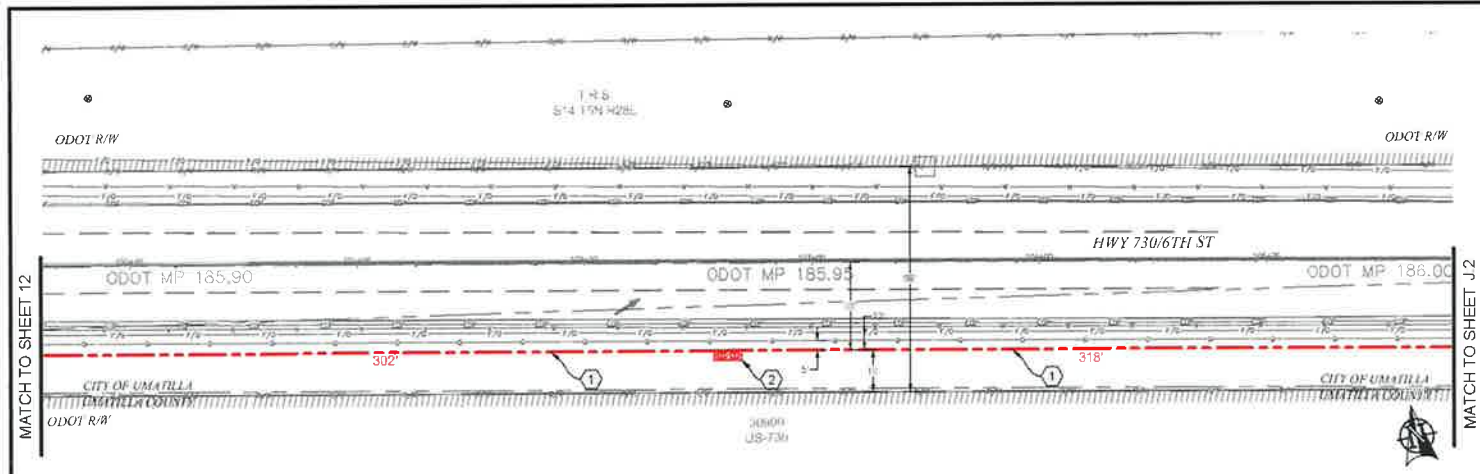
SCALE: 1"=50'

NO.	DATE	ENGINEER	DW	CHARTER	AS-BUILT REVISION # 1 ORIGINAL
1	8.14.17	LS	DW		

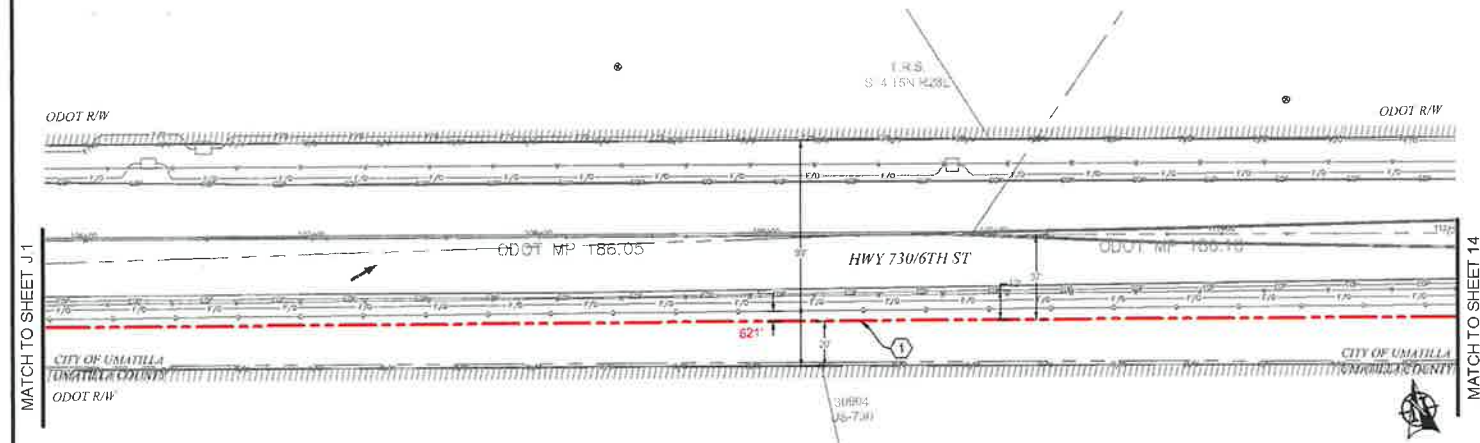
**zayo GROUP** **MGS**

ZAYO ENGINEER OF RECORD (BAR/COM) MGS TECHNICAL CONSULTING LLC  
 PROJECT NUMBER: 07-53 MUNDER LANE  
 LOCATION: 07-53 MUNDER LANE, UMATILLA, OR 97142  
 DRAWING TITLE: 2017 WORKSHOP UMATILLA ODOT 730/6  
 UMATILLA, OR

CONFIDENTIAL/PROPRIETARY SHEET 11 OF 20



PLAN VIEW J.1



PLAN VIEW J.2

**CONSTRUCTION NOTES**

① PROPOSED BORE NEW (3) 2" AND (1) 1.25" HDPE SDR 11 INNERDUCT. PULL FIBER CABLE THROUGH. REPAIR SURFACE PER LOCAL JURISDICTION STANDARDS. CONTRACTOR TO POTHOLE UTILITIES PRIOR TO CONSTRUCTION.

② PROPOSED PLACE (1) 30" X 48" BULK SERIES 7 VAULT. PROPOSED PLACE (1) 24" X 48" BULK SERIES 4 VAULT. PULL FIBER THROUGH. SEE VAULT DIAGRAM V-2 ON SHEET 18. SEE VAULT DETAILS ON SHEET 19.

**CONTRACTOR NOTES**

ADD 1" OF COMPACT GRAVEL AND WIRE MESH ON THE FLOOR OF EACH VAULT.

NO.	DATE	ENGINEER	DRAFTER	REVISION #	COMMENT
1	8.14.17	ES	DM	AS-BUILT	REVISION # 1
2				ORIGINAL	





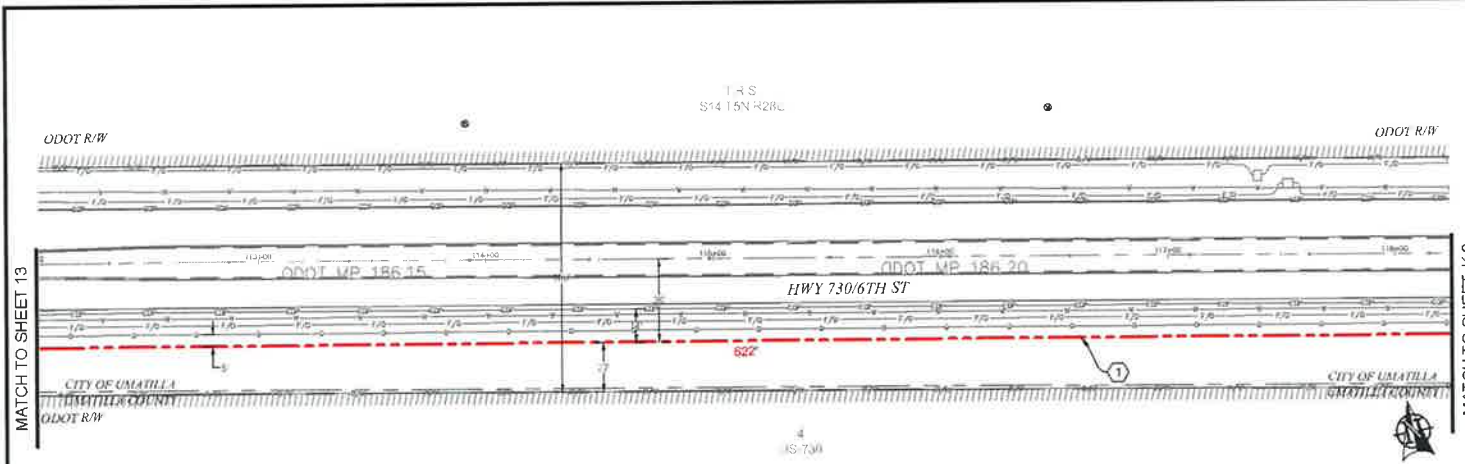
CALL CENTER: 800 844 6666  
 ENGINEERING FROM MISC. TECHNICAL CONSULTING  
 PROJECT NUMBER:  
 LOCATION: 6755 MURKERT LANE  
 UMATILLA, OR 97182  
 DRAWING NUMBER: 2017-00000000-UMATILLA-6755 MURKERT LANE  
 UMATILLA, OR  
 CONFIDENTIAL/PROPRIETARY

SCALE: 1"=50'  
 SHEET 13 OF 24

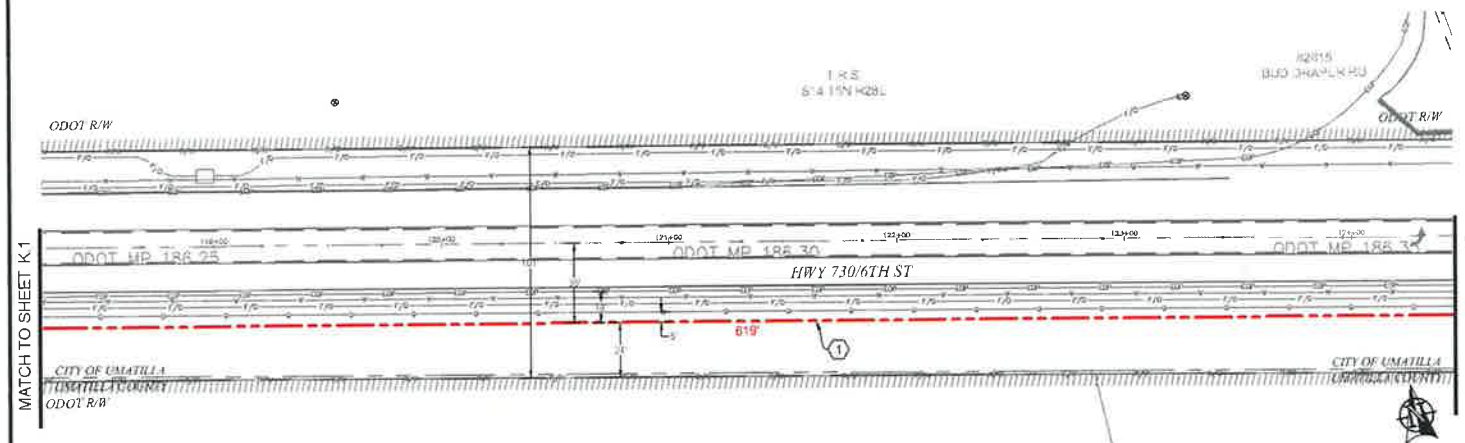


CONSTRUCTION NOTES

- ① PROPOSED BORE NEW (3) 2" AND (1) 1.25" HDPE. SDR 11 INNERDUCT. PULL FIBER CABLE THROUGH. REPAIR SURFACE PER LOCAL JURISDICTION STANDARDS. CONTRACTOR TO POTHOLE UTILITIES PRIOR TO CONSTRUCTION.

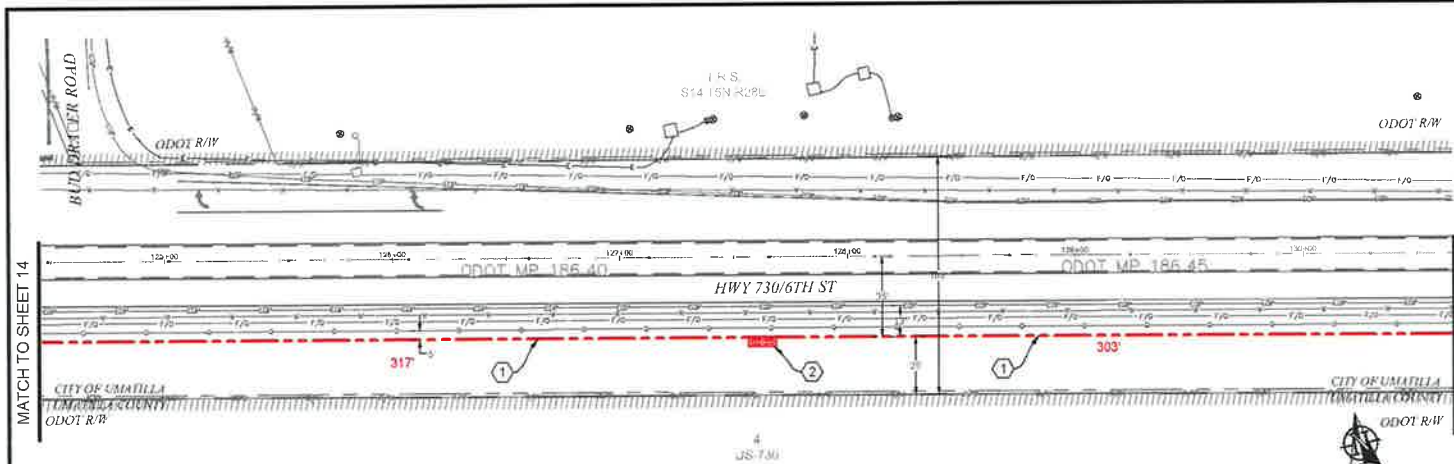


PLAN VIEW K.1

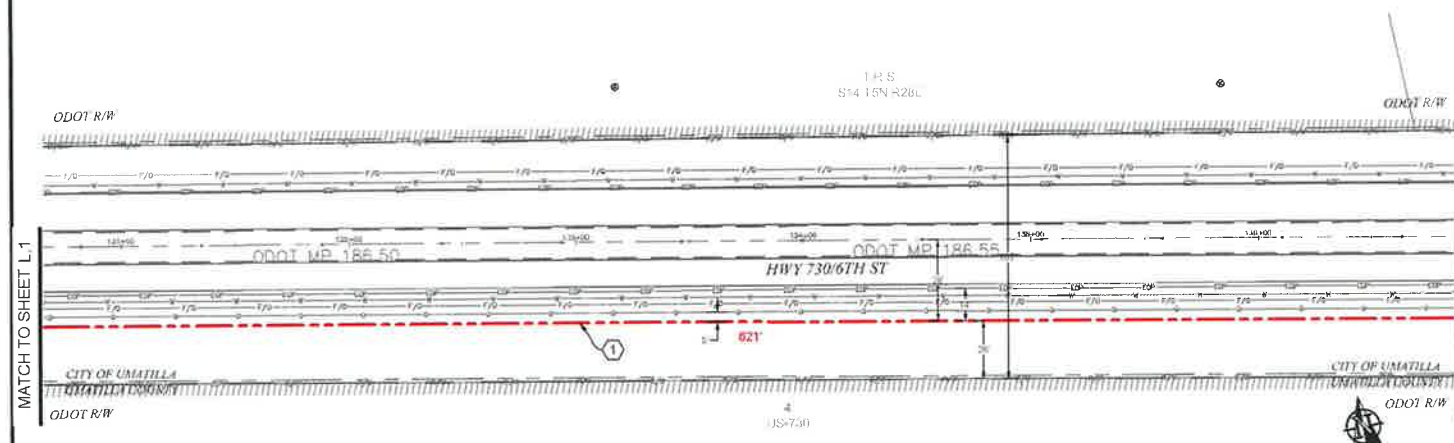


PLAN VIEW K.2

NO.	DATE	ENGINEER	DRAWN	AS-BUILT REVISION # 1
1	9.14.17	LS	OW	ORIGINAL COMMENT
ZAYO ENGINEER: TWA BIRCHME				
ENGINEERING FIRM: MGC TECHNICAL CONSULTING LLC				
PROJECT ID: MGS				
LOCATION: 87.53 MILE R/L, UMATILLA, OR 97103				
DRAWING NAME: ZAYO WAPORONG TO UMATILLA 100T 100T0				
DRAWING NO: 08418L 000				
CONFIDENTIAL/PROPRIETARY				SHEET 14 OF 20



PLAN VIEW L.1



PLAN VIEW L.2

- CONSTRUCTION NOTES**
- ① PROPOSED BORE NEW (3) 2" AND (1) 1.25" HDPE SDR 11 INNERDUCT. PULL FIBER CABLE THROUGH. REPAIR SURFACE PER LOCAL JURISDICTION STANDARDS. CONTRACTOR TO FORTHOLE UTILITIES PRIOR TO CONSTRUCTION.
  - ② PROPOSED PLACE (1) 30" X 48" BULK SERIES 7 VAULT. PROPOSED PLACE (1) 24" X 48" BULK SERIES 4 VAULT. PULL FIBER THROUGH. SEE VAULT DIAGRAM V-2 ON SHEET 18. SEE VAULT DETAILS ON SHEET 19.

**CONTRACTOR NOTES**  
 ADD 1' OF COMPACT GRAVEL AND WIRE MESH ON THE FLOOR OF EACH VAULT.

MATCH TO SHEET 14

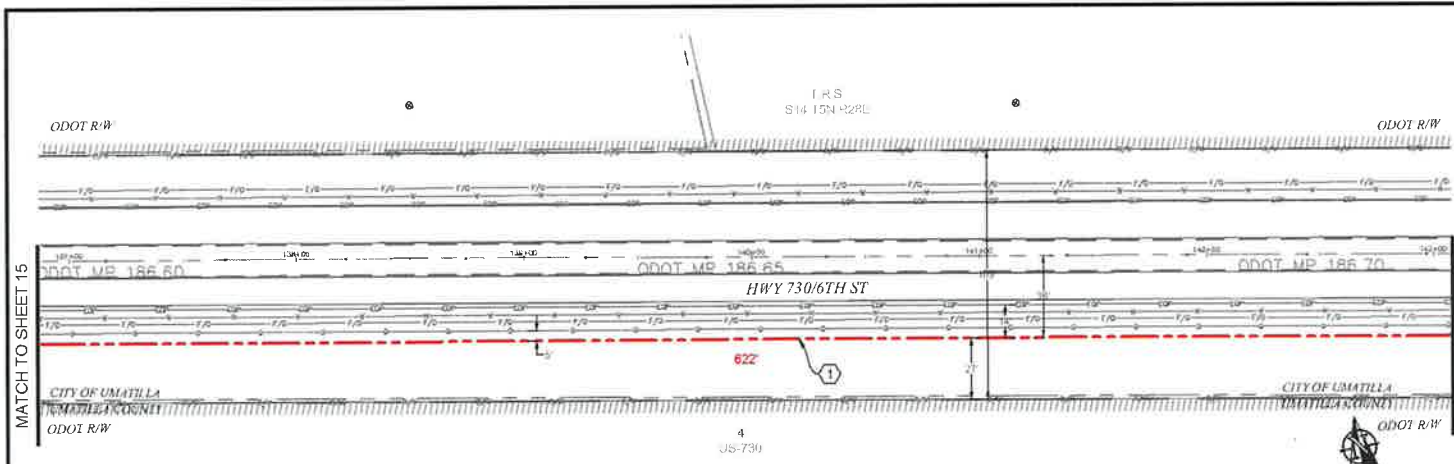
MATCH TO SHEET L.2

MATCH TO SHEET L.1

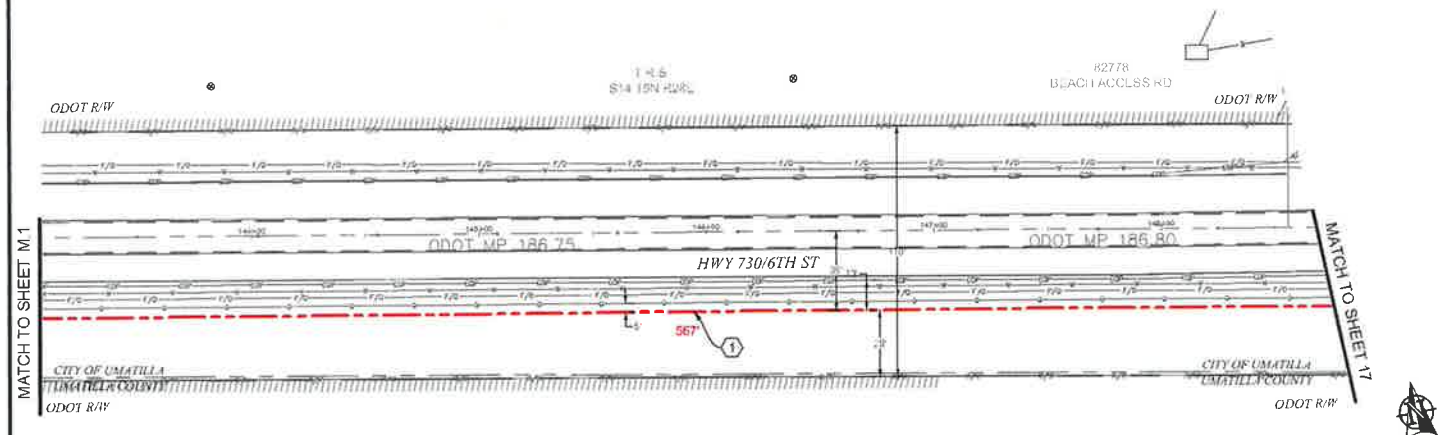
MATCH TO SHEET 16



NO.	DATE	ENGINEER	DRAWN	AS-BUILT REVISION # 1
1	8.14.17	LS	DW	ORIGINAL
NO.	DATE	ENGINEER	DRAWN	COMMENT
LAY/ENGINEER: DEN BARCLAY ENGINEERING FIRM: MGC TECHNICAL CONSULTING INC PROJECT NUMBER: LOCATION: 8133 MURGER LANE UMATILLA, OH 97182 DRAWING NAME: 24TH ENGINEERING UMATILLA - G007 - 730 UMATILLA, OH CONFIDENTIAL/PROPRIETARY				
				SHEET 15 OF 21



PLAN VIEW M.1



PLAN VIEW M.2

- CONSTRUCTION NOTES**
- ① PROPOSED BORE NEW (3) 2" AND (1) 1.25" HDPE SDR 11 INNERDUCT. PULL FIBER CABLE THROUGH. REPAIR SURFACE PER LOCAL JURISDICTION STANDARDS. CONTRACTOR TO POTHOLE UTILITIES PRIOR TO CONSTRUCTION.
  - ② PROPOSED PLACE (1) 30" X 48" BULK SERIES 7 VAULT. PROPOSED PLACE (1) 24" X 48" BULK SERIES 4 VAULT. PULL FIBER THROUGH. SEE VAULT DIAGRAM V-2 ON SHEET 1B. SEE VAULT DETAILS ON SHEET 1B.

**CONTRACTOR NOTES**

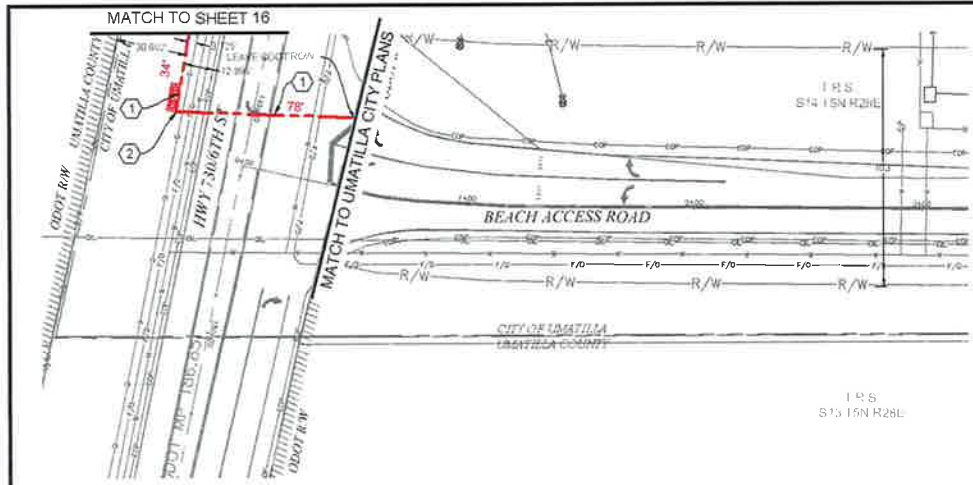
ADD 1" OF COMPACT GRAVEL AND WIRE MESH ON THE FLOOR OF EACH VAULT.

3				AS-BUILT
2				REVISION # 1
1	8.14.17	LS	DW	ORIGINAL
NO.	GATE	ENGINEER	DRAFTER	COMMENT
<b>zayo</b>		<b>MGS</b>		
2420 ENGINEER		2420 ENGINEER		
ENGINEERING FROM MISC. TECHNICAL CONSULTING INC.				
PROJECT NUMBER				
LOCATION 8753 MINDER LAKE				
UMATILLA OR 97882				
DRAWN BY NAME: DWY 3048888 TO UMATILLA-DEPT 781P				
DATE: 8/14/17				
CONFIDENTIAL/PROPRIETARY SHEET 1B OF 2B				

811

Know what's below.  
Call before you dig.

SCALE 1"=50'



PLAN VIEW N

CONSTRUCTION NOTES

- ① PROPOSED BORE NEW (3) 2" AND (1) 1.25" HDPE SDR 11 INNERDUCT. PULL FIBER CABLE THROUGH. REPAIR SURFACE PER LOCAL JURISDICTION STANDARDS. CONTRACTOR TO POTHOLE UTILITIES PRIOR TO CONSTRUCTION.
- ② PROPOSED PLACE (1) 30" X 48" BULK SERIES 7 VAULT. PROPOSED PLACE (1) 24" X 48" BULK SERIES 4 VAULT. PULL FIBER THROUGH. SEE VAULT DIAGRAM V-2 ON SHEET 1B. SEE VAULT DETAILS ON SHEET 1B.

CONTRACTOR NOTES

ADD 1" OF COMPACT GRAVEL AND WIRE MESH ON THE FLOOR OF EACH VAULT.

1				AS-BUILT
2				REVISION # 1
3	9.14.17	LS	DW	ORIGINAL
101	DATE	ENGINEER	DRAFTER	COMMENT
<b>811</b>		<b>zayo</b> <b>MGE</b>		
STATE ENGINEER		STATE ENGINEER		
ENGINEERING FIRM		MTR, TECHNICAL CONSULTING		
PROJECT NUMBER				
LOCATION		8233 MINGER LANE		
		UMATILLA, OR 97192		
DRAWING NAME		24" & 30" BULKHEAD UTILITY (100' - 150' TO UMATILLA RD)		
CONFIDENTIAL/PROPRIETARY		SHEET 12 OF 20		

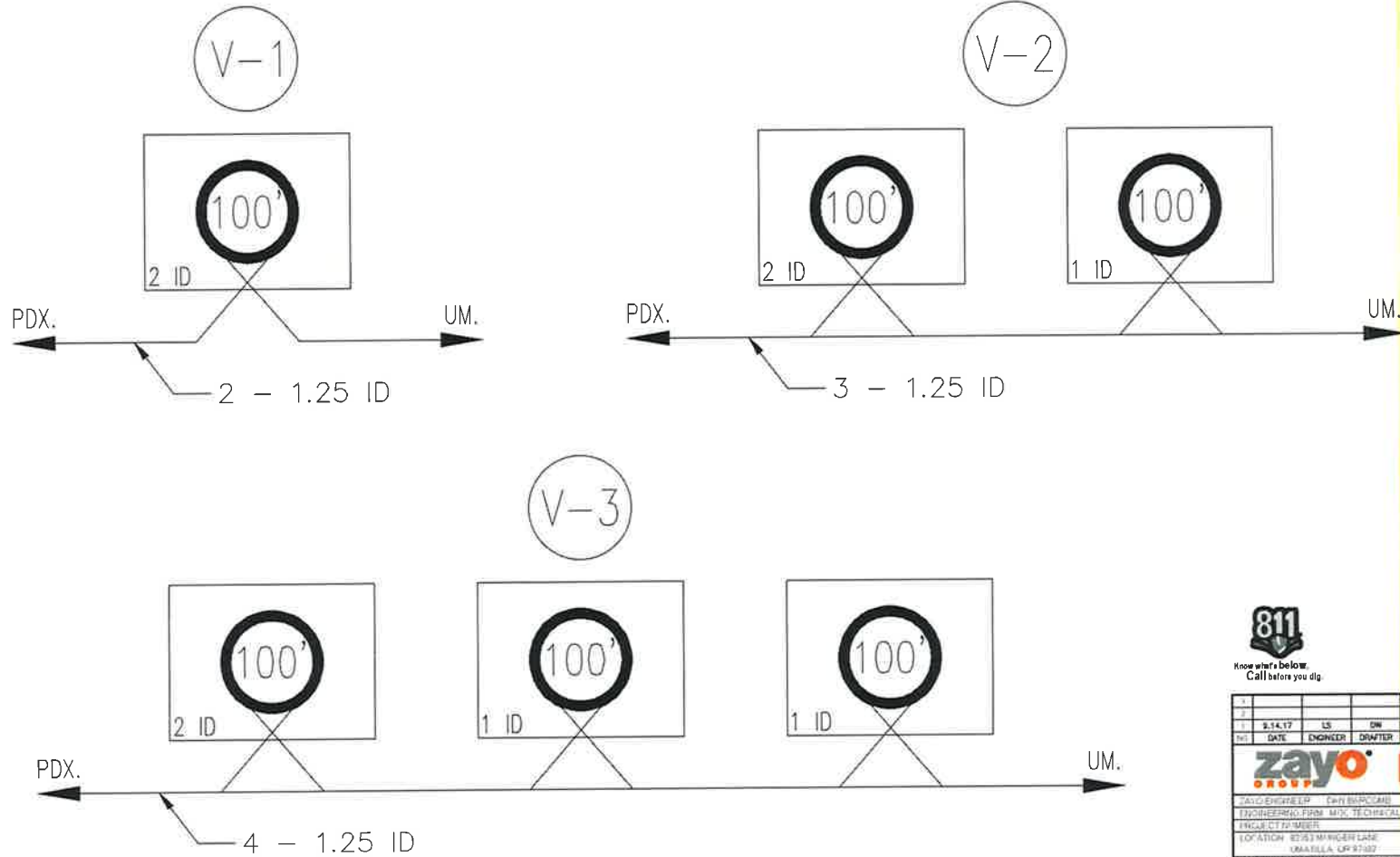
Know what's below.  
Call before you dig

SCALE: 1"=50'

# VAULT DIAGRAM

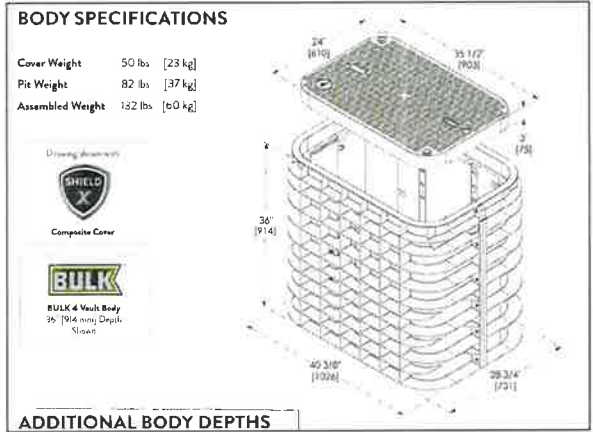
NOTES:

- 1) PLACE 100' STORAGE IN EACH VAULT
- 2) STUB INNERDUCT (3) INCHES INTO VAULT

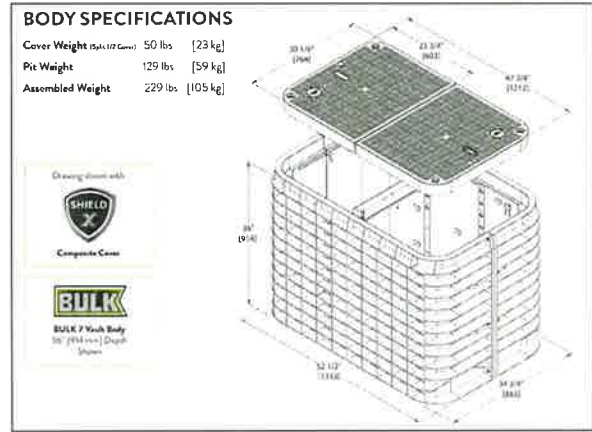


				AS-BUILT
NO.	DATE	ENGINEER	DRAWER	REVISION # 1
1	8.14.17	LS	DN	ORIGINAL
ZAYO ENGINEERING INC. (BY BPO/CMS)				
ENGINEERING FIRM: MGC TECHNICAL CONSULTING INC.				
PROJECT: 171217-0001				
LOCATION: 8753 MANDER LANE				
UMATELLA, OR 97142				
DRAWING TITLE: ZAYO - PARALLEL TO MATELLA - 100' TIE IN				
DRAWN BY: DN				
CONFIDENTIAL/PROPRIETARY				

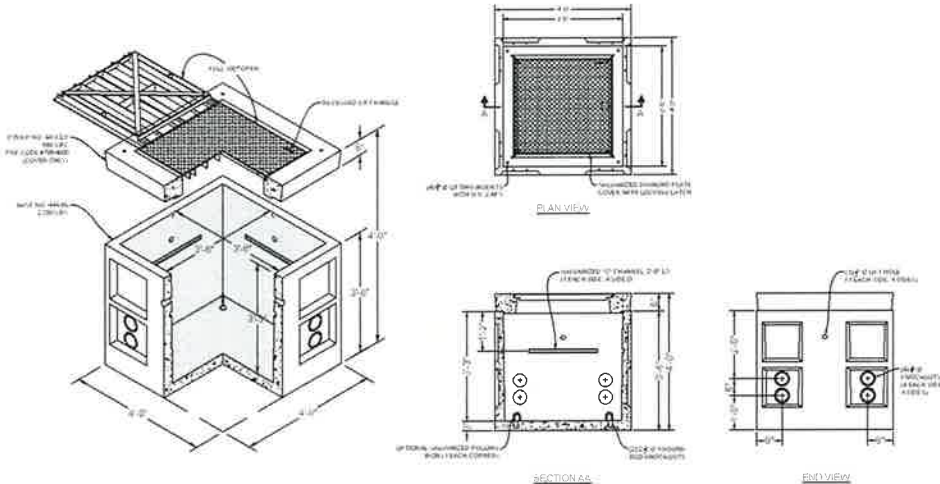
# VAULT DETAILS



TYPICAL BULK - SERIES 4 VAULT DETAIL  
SCALE: NTS



TYPICAL BULK - SERIES 7 VAULT DETAIL  
SCALE: NTS

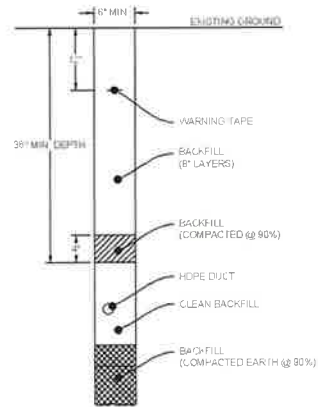


TYPICAL 444LA VAULT DETAIL  
SCALE: NTS

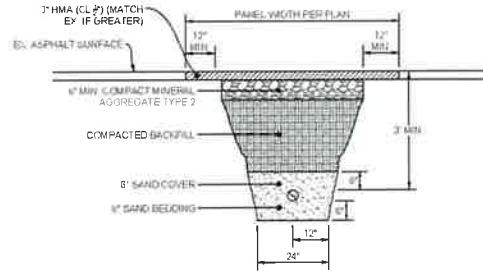
**811**  
Know what's below  
Call before you dig

AS-BUILT				
1	0.14.17	LS	DM	REVISION # 1 ORIGINAL
NO.	DATE	ENGINEER	DRAFTER	COMMENT
<b>zayo</b>		<b>MGE</b>		
ZAYO PROJECT SP (CITY BARCONE)				
ENGINEERING FIRM: MGE TECHNICAL CONSULTING INC.				
PROJECT NUMBER:				
LOCATION: 8705 N HANCOCK LANE				
UMATILLA, OR 97182				
DRAWING TITLE: ZAYO - BARRONVILLE UMATILLA VAULT TYPICAL				
CONFIDENTIAL/PROPRIETARY SHEET 13 OF 28				

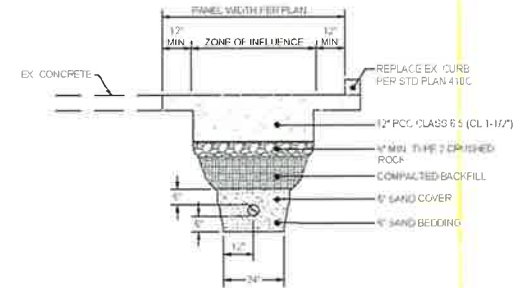
# UNDERGROUND TYPICALS



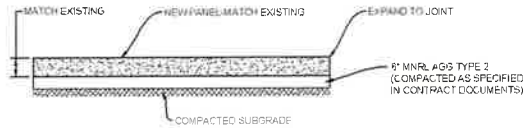
**TYPICAL TRENCH IN SOIL DETAIL**  
SCALE: NTS



**TYPICAL PATCH TRENCH DETAIL**  
SCALE: NTS



**TYPICAL CONCRETE TRENCH DETAIL**  
SCALE: NTS



**TYPICAL CONCRETE PANEL CROSS SECTION DETAIL**  
SCALE: NTS



Know what's below.  
Call before you dig.

NO.	DATE	ENGINEER	DRAFTER	COMMENT
1	9.14.17	LS	DW	ORIGINAL
				REVISION # 1

AS-BUILT

**zayo** GROUP

**MGE**

ZAYO ENGINEER: DWJ/BAP/COMB  
 PROJECT NUMBER:  
 LOCATION: 36255 MIMCO BLVD  
 TAMPA, FL 33618  
 DRAWING NAME: ZAYO - BRICKMAN TO TAMPA - HOV 3 FIBER  
 UWA/MSA-100  
 CONFIDENTIAL/PROPRIETARY SHEET 26 OF 26

ADDRESS: 82353 MUNGER LANE, UMATILLA, OR 97882  
 PROJECT NAME: BOARDMAN TO UMATILLA - ODOT - SEG C2 - 730 TO UMATILLA - BULK CONDUIT



### SITE LOCATION BILL OF MATERIALS

NEW AERIAL	=	0 FT.
OVERLASH	=	0 FT.
NEW UNDERGROUND	=	11,339 FT.
EXISTING UNDERGROUND	=	0 FT.
RISERS	=	0 FT.
ISP	=	0 FT.
TOTAL FOOTAGE	=	11,339 FT.

#### CONTACTS

ZAYO CONTACT:  
 DAN BARCOMB  
 22851 83RD AVE S  
 KENT, WA 98032  
 C 509 727 3345  
 DAN.BARCOMB@ZAYO.COM

BRYSON BAILY  
 MGC TECHNICAL CONSULTING, INC  
 6244 185TH AVE NE  
 REDMOND, WA 98052  
 C 206 799 3001  
 BRYSON@MGCTECHNICAL.COM

#### SHEET INDEX

- 1 COVER SHEET / SITE LOCATION
- 2 LEGEND
- 3 GENERAL NOTES
- 4-13 PLAN VIEWS A - J
- 15 VAULT DETAIL
- 16 DUCT SYSTEM DETAIL
- 17 UNDERGROUND TYPICALS

#### SCOPE OF WORK:

BORE AND PLACE PROPOSED CONDUIT AND VAULTS ALONG HWY 730 FROM LND RD TO BEACH ACCESS RD. FULL FIBER CABLE THROUGHOUT.



SCALE: NTS

NO	DATE	ENGINEER	DRAWER	COMMENT
1	3/1/18	BB	CH	ORIGINAL

AS-BUILT  
 REVISION # 1

**ZAYO** GROUP  
 ENGINEERING FIRM DAN BARCOMB

**MGC**  
 TECHNICAL CONSULTING INC

ZAYO ENGINEER DAN BARCOMB  
 ENGINEERING FIRM MGC TECHNICAL CONSULTING INC  
 PROJECT NUMBER  
 LOCATION 82353 MUNGER LANE  
 UMATILLA OR 97882

DRAWING TITLE ZAYO - BOARDMAN TO UMATILLA - 730 TO UMATILLA - BULK CONDUIT  
 DRAWING DATE 3/1/18  
 DRAWING NUMBER ZAYO - BOARDMAN TO UMATILLA - 730 TO UMATILLA - BULK CONDUIT.dwg  
 SHEET 1 OF 11



# LEGEND

## LINETYPES

	AERIAL FIBER - EXISTING
	AERIAL FIBER - ATTACH
	AERIAL FIBER - OVERLASH
	STRAND - EXISTING
	STRAND - PROPOSED
	CONDUIT - EXISTING
	CONDUIT - PROPOSED
	INNERDUCT - EXISTING
	INNERDUCT - PROPOSED
	GAS
	WATER
	TELEPHONE
	FIBER OPTIC
	ELECTRIC
	SANITARY SEWER (SEW)
	STORM DRAIN
	CABLE TV
	STEAM
	OIL
	UNKNOWN UTILITY
	FENCE
	RIGHT OF WAY
	EDGE OF PAVEMENT

## ABBREVIATIONS

ASW	ASPHALT SIDEWALK
BIP	BLACK IRON PIPE
BSP	BLACK STEEL PIPE
CSW	CONCRETE SIDEWALK
ELECT.	ELECTRIC
EOP	EDGE OF PAVEMENT
EOTW	EDGE OF TRAVEL WAY
FOC	FACE OF CURB
F/O	FIBER OPTIC
HDPE	HIGH DENSITY POLYETHYLENE
HH	HANDHOLE
JB	JUNCTION BOX
MH	MANHOLE
MP	MILE POST
O/S	OFFSET
PR	POWER RISER
PVC	POLY VINYL CHLORIDE
RGS	RIGID GALVANIZED STEEL CONDUIT
ROW	RIGHT OF WAY
SEW	SANITARY SEWER
SD	STORM DRAIN
STA.	STATION
STM	STEAM
TEL	TELECOM

## SYMBOLS

	RISER - EXISTING		TRANSMISSION/DISTRIBUTION POLE
	RISER - PROPOSED		TRANSMISSION POLE
	CATCH BASIN/INLET (RECTANGULAR)		DISTRIBUTION POLE
	CATCH BASIN/INLET (ROUND)		GROUND/BOND
	FIRE HYDRANT		AERIAL STORAGE - EXISTING
	WATER/GAS VALVE		AERIAL STORAGE - PROPOSED
	LIGHT POST		VAULT/BUILDING STORAGE - EXISTING
	STREET LIGHT		VAULT/BUILDING STORAGE - PROPOSED
	TRAFFIC LIGHT ARM		POLE ANCHOR/DOWN GUY - EXISTING
	TREE		POLE ANCHOR/DOWN GUY - PROPOSED
	CULVERT		SPLICE POINT - EXISTING
	WING WALL		SPLICE POINT - PROPOSED
	BRIDGE		TERMINATION - EXISTING
	STREET SIGN		TERMINATION - PROPOSED
	ADA RAMP		PULLBOX - EXISTING
	UTILITY POLE - EXISTING		PULLBOX - PROPOSED
	UTILITY POLE - PROPOSED		CONSTRUCTION NOTE / RESTORATION CALLOUT
	TRAFFIC RATED VAULT - EXISTING (SIZE AND UTILITY TYPE MAY VARY)		PHOTO-MARKER
	TRAFFIC RATED VAULT - PROPOSED (SIZE MAY VARY)		NORTH ARROW
	HANDHOLE - EXISTING (SIZE AND UTILITY TYPE MAY VARY)		
	HANDHOLE - PROPOSED (SIZE MAY VARY)		
	PEDESTAL - EXISTING (SIZE AND UTILITY TYPE MAY VARY)		
	PEDESTAL - PROPOSED (SIZE MAY VARY)		
	WET UTILITY MANHOLE - EXISTING (SIZE AND UTILITY TYPE MAY VARY)		
	BORE PIT - PROPOSED (SIZE MAY VARY)		
	UTILITY POTHOLE		

## INFORMATION TABLES

POLE NUMBER	UTILITY POLE INFORMATION TABLE (NUMBER OF ATTACHMENTS MAY VARY)	
EXISTING UTILITY	0'-0"	
PROPOSED ATTACH	0'-0"	

#F	IN-	SEQUENTIAL IN/OUT CALLOUT
	OUT-	

#F	IN-	SEQUENTIAL IN/TAI CALLOUT
	TAIL-	

#F	TAIL-	SEQUENTIAL TAIL/OUT CALLOUT
	OUT-	

## HATCH PATTERNS

	CONCRETE SIDEWALK
	GRASS/VEGETATION
	GRAVEL
	WATER



3				AS-BUILT
2				REVISION # 1
1	3/1/18	BB	CH	ORIGINAL
NO.	GATE	ENGINEER	DRAFTER	COMMENT
ZAYO ENGINEER DAN BARKER ENGINEERING FIRM ASSOCIATES, TECHNICAL CONSULTANTS, INC. PROJECT NUMBER LOCATION: 6300 MUNGER LANE UMATILLA, OR 97142 LOCATION: TRAILER ZAYO COURTYARD TO UMATILLA ROAD, FORTY UMATILLA, OR 97142 CONFIDENTIAL/PROPRIETARY SHEET 3 OF 18				

# GENERAL NOTES

**GENERAL NOTES:**

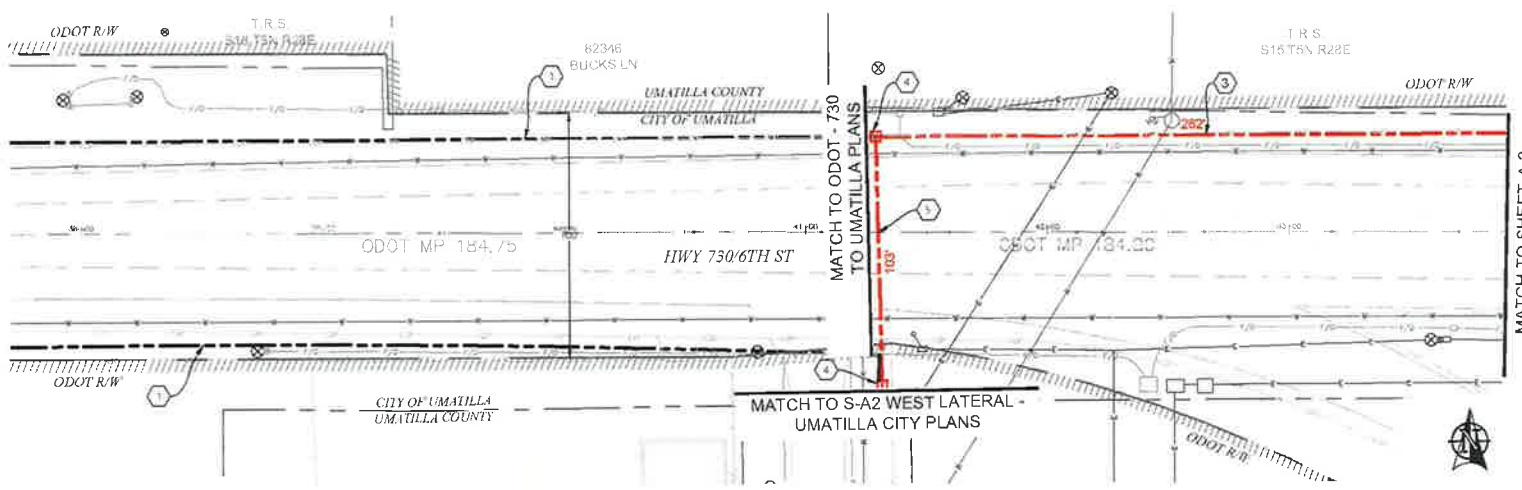
The locations of utilities shown on these drawing are only approximate. MGC TECHNICAL CONSULTING, INC. hereby disclaims any responsibility to third parties for the accuracy of this information. Persons working in the area covered by this drawing must contact the statewide Call-Before-You-Dig System to ascertain the location of underground utilities prior to performing any excavation.

1. ALL MATERIALS, WORKMANSHIP, AND CONSTRUCTION OF UTILITY IMPROVEMENTS SHALL MEET OR EXCEED SITE WORK STANDARDS AND THE STANDARDS AND SPECIFICATIONS SET FORTH IN THE ODOT REGULATIONS AND APPLICABLE STATE AND FEDERAL REGULATIONS. WHERE THERE IS CONFLICT BETWEEN THESE PLANS AND THE SPECIFICATIONS, OR ANY APPLICABLE STANDARDS, THE HIGHER QUALITY STANDARD SHALL APPLY. ALL WORK WITHIN PUBLIC R.O.W. OR EASEMENTS MAY REQUIRE INSPECTION AND APPROVED BY THE ODOT INSPECTOR. INSPECTION SERVICES AND CONSTRUCTION CERTIFICATION TO BE PROVIDED BY DESIGNEE OF PROJECT SPONSOR/OWNER.
2. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES, AS SHOWN ON THESE PLANS, IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED UPON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE LOCAL UTILITY LOCATION CENTER AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF EXISTING UTILITIES. THE CONTRACTOR SHALL VERIFY PERTINENT LOCATIONS AND ELEVATIONS, ESPECIALLY AT THE CONNECTION POINTS AND AT POTENTIAL UTILITY CONFLICTS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES THAT CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THESE PLANS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM ALL APPLICABLE AGENCIES. THE CONTRACTOR SHALL NOTIFY THE ODOT INSPECTOR AT LEAST 48 HOURS PRIOR TO THE START OF ANY EARTH DISTURBING ACTIVITY OR CONSTRUCTION ON ANY AND ALL PUBLIC IMPROVEMENTS IF REQUIRED.
4. THE CONTRACTOR SHALL COORDINATE AND COOPERATE WITH THE ODOT AND ALL UTILITY COMPANIES WITH REGARD TO RELOCATIONS OR ADJUSTMENTS OF EXISTING UTILITIES DURING CONSTRUCTION, TO ASSURE THAT THE WORK IS ACCOMPLISHED IN A TIMELY FASHION, AND WITH A MINIMUM DISRUPTION OF SERVICE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL PARTIES AFFECTED BY ANY DISRUPTION OF ANY UTILITY SERVICE.
5. THE CONTRACTOR SHALL HAVE ONE (1) SIGNED COPY OF THE APPROVED PLANS, ONE (1) COPY OF THE APPROPRIATE STANDARDS AND SPECIFICATIONS, AND ONE (1) COPY OF ANY PERMITS AND EXTENSION AGREEMENTS NEEDED FOR THE JOB ON-SITE AT ALL TIMES.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ASPECTS OF SAFETY INCLUDING, BUT NOT LIMITED TO: EXCAVATION, TRENCHING, SHORING, TRAFFIC CONTROL, AND SECURITY.
7. IF, DURING THE CONSTRUCTION PROCESS, CONDITIONS ARE ENCOUNTERED BY THE CONTRACTOR, HIS SUBCONTRACTORS, OR OTHER AFFECTED PARTIES WHICH COULD INDICATE A SITUATION THAT IS NOT IDENTIFIED IN THE PLANS OR SPECIFICATIONS, THE CONTRACTOR SHALL CONTACT THE ENGINEER IMMEDIATELY.
8. ALL REFERENCES TO ANY PUBLISHED STANDARDS SHALL REFER TO THE LATEST REVISION OF SAID STANDARD, UNLESS SPECIFICALLY STATED OTHERWISE.
9. FOR WORK AFFECTING PUBLIC ROADWAYS OR IF REQUIRED BY THE ODOT, THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL AND PHASING PLAN IN ACCORDANCE WITH M.U.T.C.D. FOR APPROVAL PRIOR TO ANY CONSTRUCTION ACTIVITIES WITHIN OR AFFECTING THE RIGHT-OF-WAY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ANY AND ALL TRAFFIC CONTROL DEVICES AS MAY BE REQUIRED BY SAID PLANS. PRIOR TO INSTALLATION A PRECONSTRUCTION CONFERENCE SHALL BE HELD WITH ODOT.
10. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL LABOR AND MATERIALS NECESSARY FOR THE COMPLETION OF THE INTENDED IMPROVEMENTS SHOWN ON THESE DRAWINGS OR DESIGNATED TO BE PROVIDED, INSTALLED, CONSTRUCTED, REMOVED OR RELOCATED UNLESS SPECIFICALLY NOTED OTHERWISE.
11. PER AGENCY STANDARDS THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING ROADWAYS FREE AND CLEAR OF ALL CONSTRUCTION DEBRIS AND DIRT TRACKED FROM THE SITE.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RECORDING RECORD INFORMATION ON A SET OF RECORD DRAWINGS KEPT AT THE CONSTRUCTION SITE AND AVAILABLE TO THE ODOT INSPECTOR AT ALL TIMES.
13. DIMENSIONS FOR LAYOUT AND CONSTRUCTION ARE NOT TO BE SCALED FROM ANY DRAWING. FOR ADDITIONAL INFORMATION CONTACT THE ENGINEER FOR CLARIFICATION AND NOTE ON THE RECORD DRAWINGS.
14. ALL EROSION AND SEDIMENT CONTROL (E.S.C.) MEASURES SHALL BE INSTALLED AT THE LIMITS OF CONSTRUCTION PRIOR TO GROUND DISTURBING ACTIVITY. ALL E.S.C. MEASURES SHALL BE MAINTAINED IN GOOD REPAIR BY THE CONTRACTOR UNTIL SUCH TIME AS THE ENTIRE DISTURBED AREAS ARE STABILIZED WITH HARD SURFACE OR LANDSCAPING.
15. ALL WORK WITHIN THE PUBLIC RIGHT-OF-WAY IS SUBJECT TO THE JURISDICTION OF THE ODOT ENGINEERING DEPARTMENT STANDARD DETAILS AND SPECIFICATIONS.
16. ALL CONSTRUCTION OPERATIONS, INCLUDING THE WARMING UP, REPAIR, ARRIVAL, DEPARTURE OR RUNNING OF TRUCKS, EARTH MOVING EQUIPMENT, CONSTRUCTION EQUIPMENT AND ANY OTHER ASSOCIATED EQUIPMENT SHALL GENERALLY BE LIMITED TO THE TIME PERIOD APPROVED BY THE ODOT.



Know what's below.  
Call before you dig.

NO.	DATE	ENGINEER	DRAFTER	COMMENT
1	3/1/18	BB	CH	ORIGINAL
 				
ZAYO ENGINEER: CARL HARCAS				
ESTABLISHED: 1988 INC., TECHNICAL CONSULTING INC.				
PROJECT NUMBER:				
LOCATION: 02353 MURDER LANE UMATELLA, GA 31782				
DRAWING TITLE: ZAYO - DRAINAGE TO UMATELLA - FOOT, 7.8110 UMATELLA, GA - GREAT BAY				
CONFIDENTIAL/NO RELEASE SHEET 1 OF 16				



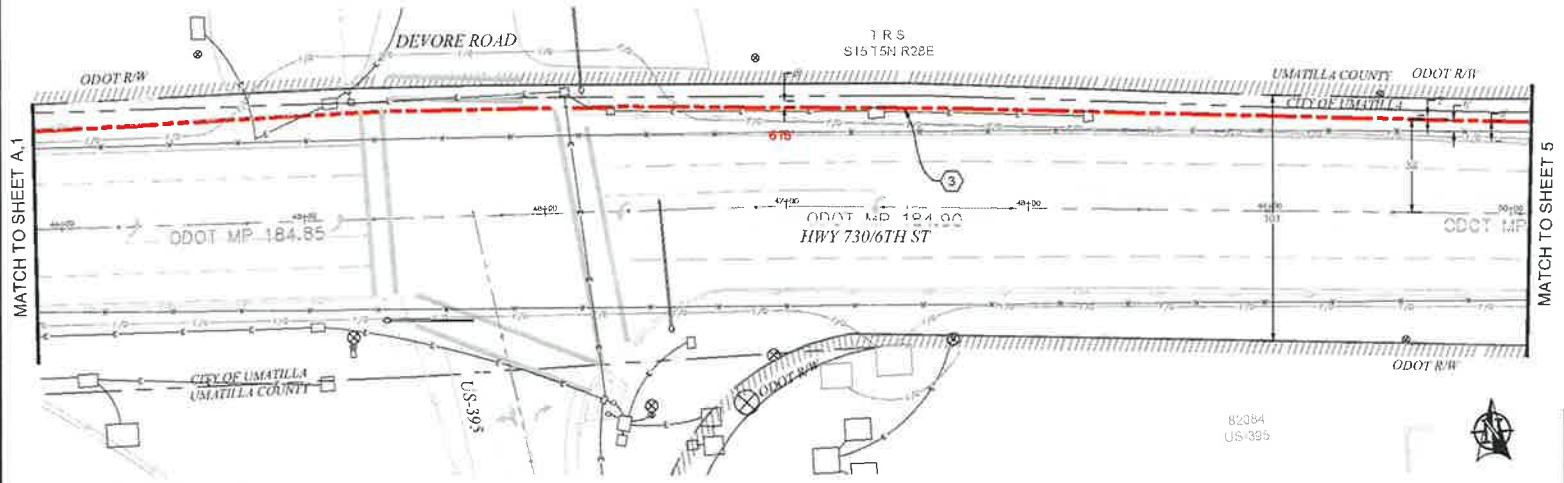
- CONSTRUCTION NOTES**
- 1 PROPOSED CONDUIT SHOWN ON SEPARATE PERMIT.
  - 3 PROPOSED BORE (24) 2" CONDUITS AND (1) 1 1/2" CONDUITS. PULL FIBER CABLE THROUGH. REPAIR SURFACE PER LOCAL JURISDICTION STANDARDS. CONTRACTOR TO POTHOLE UTILITIES PRIOR TO CONSTRUCTION.
  - 4 PROPOSED PLACE (1) 676-LA VAULT. COIL 100 OF FIBER THROUGH. SEE VAULT DETAILS ON SHEET 7.
  - 5 PROPOSED BORE (31) 2" CONDUIT AND (1) 1.25" CONDUIT. PULL FIBER CABLE THROUGH. REPAIR SURFACE PER LOCAL JURISDICTION STANDARDS. CONTRACTOR TO POTHOLE UTILITIES PRIOR TO CONSTRUCTION.

**CONTRACTOR NOTES**

LINE OF SIGHT MARKERS REQUIRED EVERY 500'

ADD 1" OF COMPACT GRAVEL AND WIRE MESH ON THE FLOOR OF EACH VAULT.

PLAN VIEW A.1

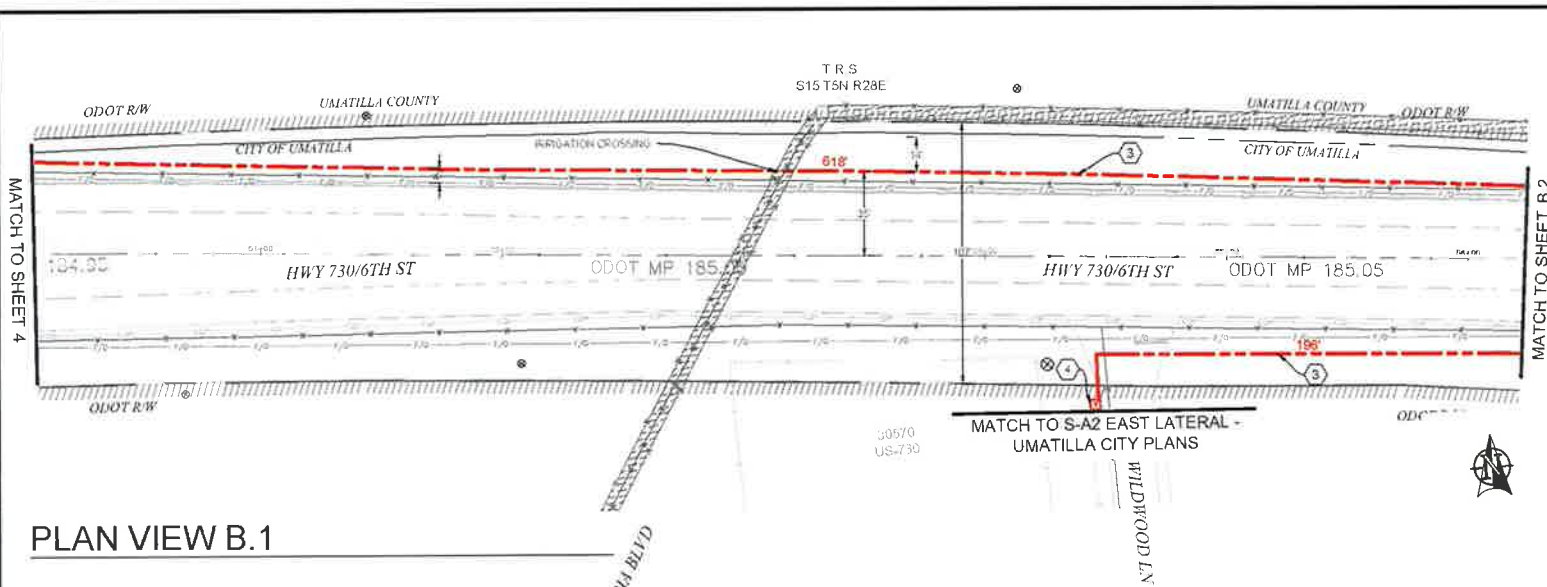


PLAN VIEW A.2

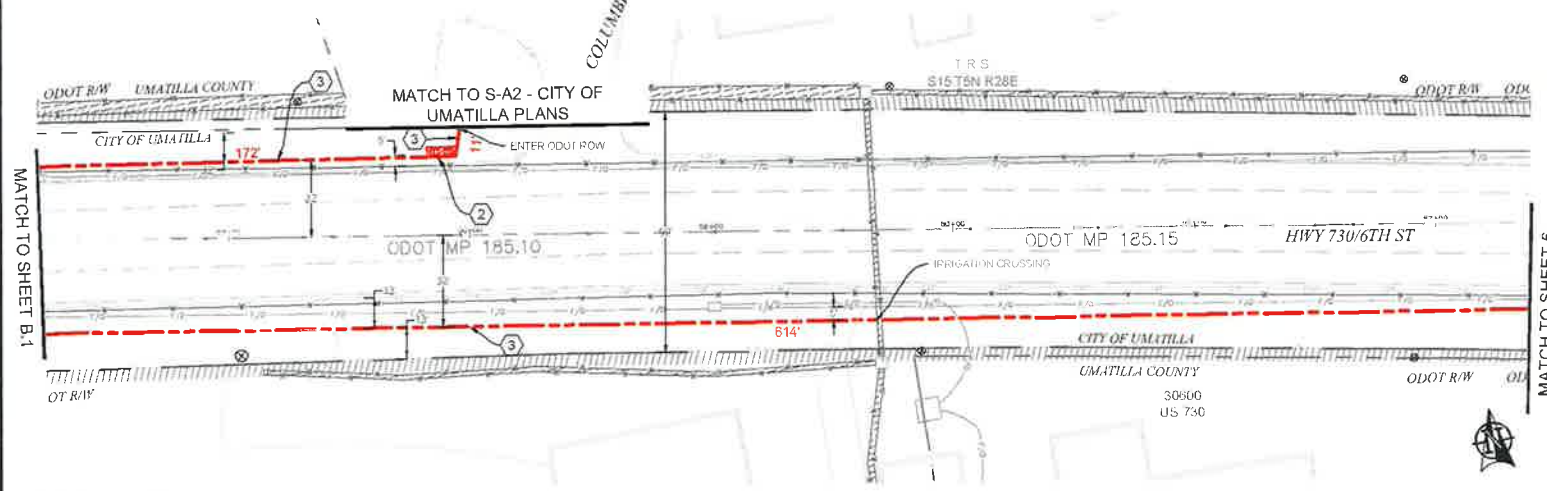
811  
Know what's Below.  
Call before you dig.

SCALE: 1"=50'

1				AS-BUILT
2				REVISION # 1
1	3/1/18	BB	CH	ORIGINAL
NO.	DATE	ENGINEER	DRAWER	COMMENT
<b>zayo GROUP</b> <b>MGE</b>				
ZAYO ENGINEER: DAN BARCLAY				
ENGINEERING FIRM: MGE TECHNICAL CONSULTING INC				
PROJECT NUMBER:				
LOCATION: 62553 MUNGER LANE UMATILLA, OR 97882				
DRAWING FIRM: ZAYO - FORWARD TO UMATILLA - ODOT - 730 TO UMATILLA AREA - CHECK 989				
CONFIDENTIAL/PROPRIETARY				
				SHEET 4 OF 16



PLAN VIEW B.1



PLAN VIEW B.2

CONSTRUCTION NOTES

- 2 PROPOSED PLACE (1) 30" X 48" BULK SERIES 7 VAULT. PROPOSED PLACE (1) 24" X 48" BULK SERIES 4 VAULT. COIL 100' OF FIBER THROUGH. SEE VAULT DETAILS ON SHEET 14.
- 3 PROPOSED BORE (24) 2" CONDUITS AND (1) 1 1/2" CONDUITS. PULL FIBER CABLE THROUGH. REPAIR SURFACE PER LOCAL JURISDICTION STANDARDS. CONTRACTOR TO POT-HOLE UTILITIES PRIOR TO CONSTRUCTION.
- 4 PROPOSED PLACE (1) 676-LA VAULT. COIL 100' OF FIBER THROUGH. SEE VAULT DETAILS ON SHEET 2.

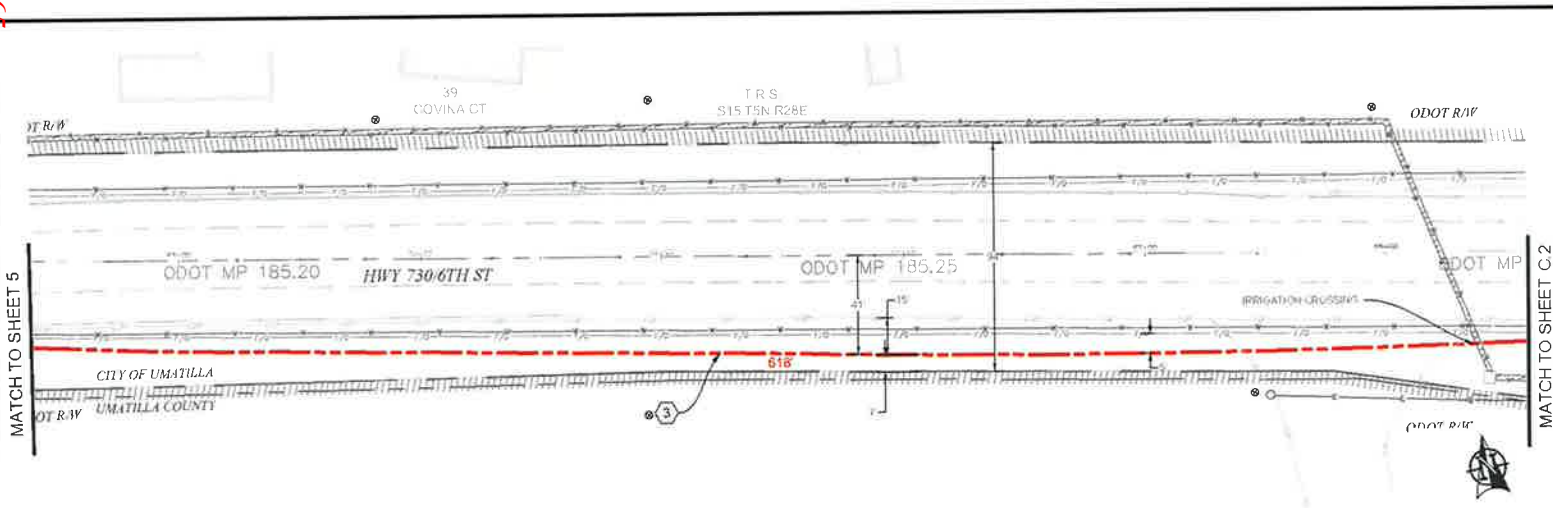
CONTRACTOR NOTES

LINE OF SIGHT MARKERS REQUIRED EVERY 500'  
 ADD 1' OF COMPACT GRAVEL AND WIRE MESH ON THE FLOOR OF EACH VAULT.

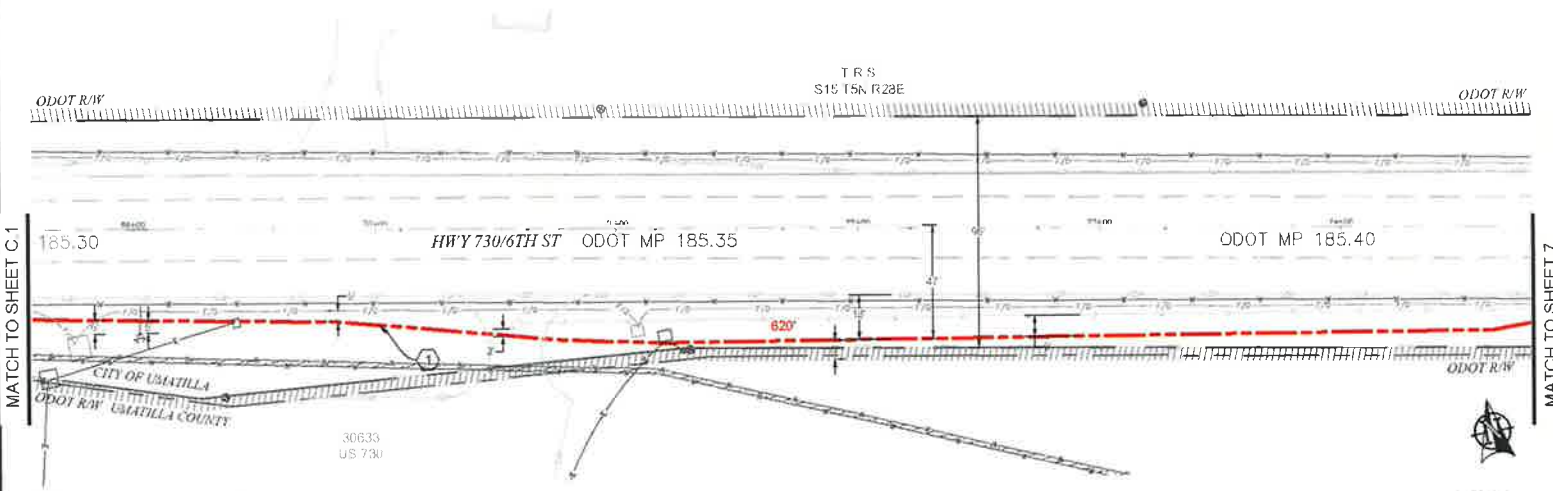
1				AS-BUILT
2				REVISION # 1
3	3/1/16	BB	CH	ORIGINAL
NO	DATE	ENGINEER	DRAFTER	COMMENT

ZAYO GROUP    DAN BARCAME  
 ENGINEERING FIRM INC. TECHNICAL CONSULTING INC.  
 PROJECT NUMBER  
 LOCATION: CROSS STREET LINE  
 UMATILLA, OR 97852  
 DRAWING NAME: ZAYO - FIBER OPTIC UMATILLA - FOOT PATH  
 UMATILLA 0315 (2016) 404  
 CONFIDENTIAL/PROPRIETARY    SHEET 11 OF 16

SCALE: 1"=50'



PLAN VIEW C.1



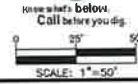
PLAN VIEW C.2

**CONSTRUCTION NOTES**

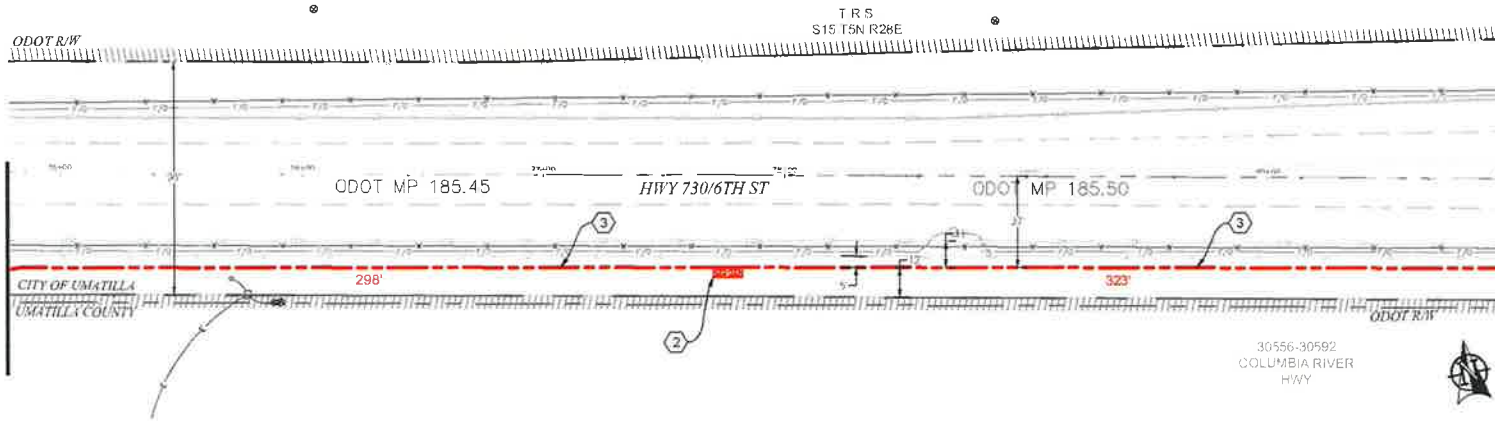
3 PROPOSED BORE (24) 2" CONDUITS AND (1) 1 1/4" CONDUITS. PULL FIBER CABLE THROUGH. REPAIR SURFACE PER LOCAL JURISDICTION STANDARDS. CONTRACTOR TO POTHOLE UTILITIES PRIOR TO CONSTRUCTION.

**CONTRACTOR NOTES**

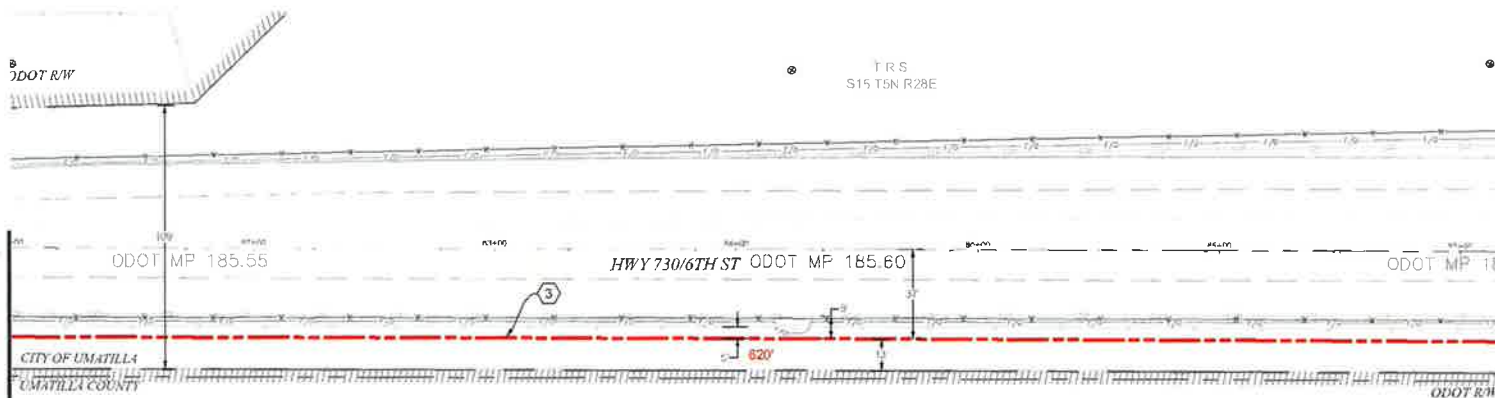
LINE OF SIGHT MARKERS REQUIRED EVERY 500'



				AS-BUILT
NO.	DATE	ENGINEER	DRAWER	REVISION # 1
1	3/1/18	BB	CH	ORIGINAL
ZAYO ENGINEER: LAM BARCANE				
ENGINEERING FIRM: MGE TECHNICAL CONSULTING INC				
PROJECT NUMBER				
LOCATION: 4250 MURKOP LANE				
UMATILLA, OR 97160				
DRAWING NAME: ZAYO PROPOSAL TO UMATILLA - ODOT F.W.H.				
UMATILLA LOCAL FOREST DIST.				
CONFIDENTIAL/PROPRIETARY				SHEET 12 OF 16



PLAN VIEW D.1



PLAN VIEW D.2

CONSTRUCTION NOTES

- 2 PROPOSED PLACE (1) 30" X 48" BULK SERIES 7 VAULT.  
PROPOSED PLACE (1) 24" X 48" BULK SERIES 4 VAULT.  
COIL 100' OF FIBER THROUGH. SEE VAULT DETAILS ON SHEET 14.
- 3 PROPOSED BORE (24) 2" CONDUITS AND (1) 1 1/2" CONDUITS. PULL FIBER CABLE THROUGH. REPAIR SURFACE PER LOCAL JURISDICTION STANDARDS. CONTRACTOR TO POT-HOLE UTILITIES PRIOR TO CONSTRUCTION.

CONTRACTOR NOTES

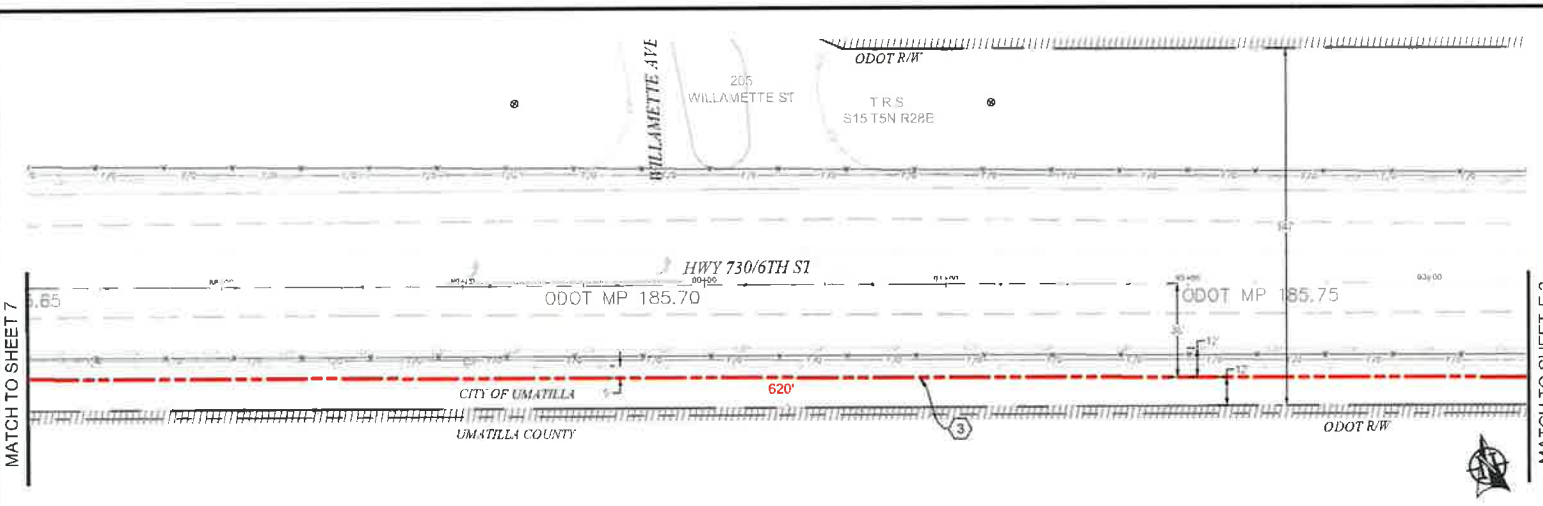
LINE OF SIGHT MARKERS REQUIRED EVERY 500'  
ADD 1" OF COMPACT GRAVEL AND WIRE MESH ON THE FLOOR OF EACH VAULT.



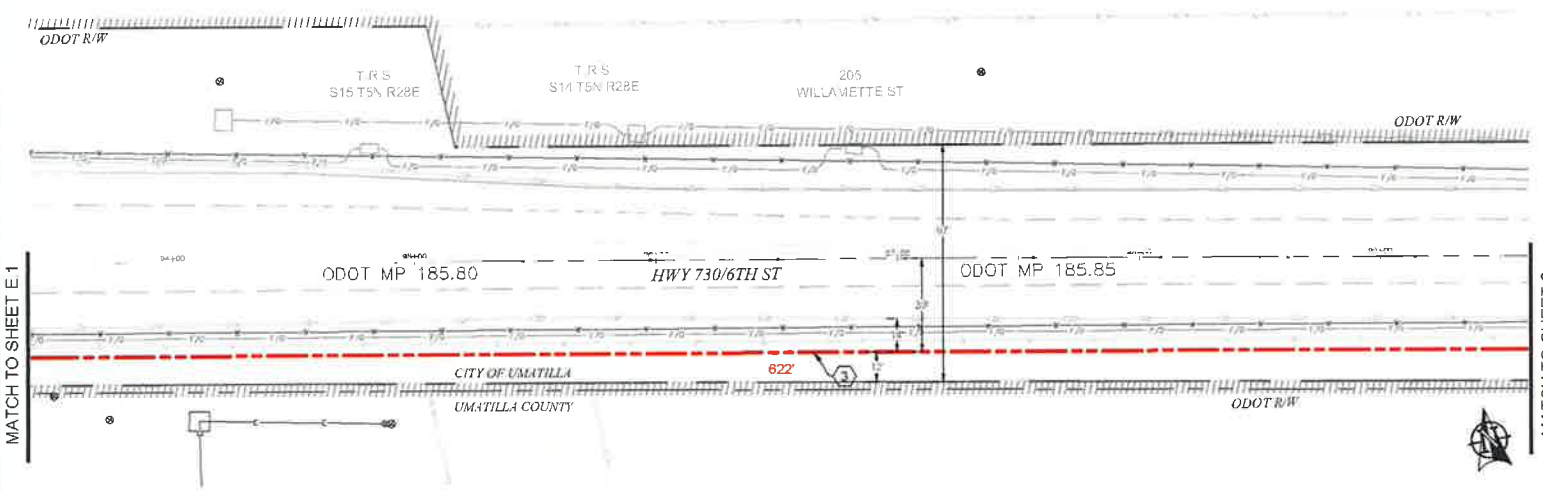
AS-BUILT			
REVISION # 1			
NO	DATE	ENGINEER	COMMENTS
1	3/1/18	BB	OH
2			

**zayo** **MGE**

zayo ENGINEER DAN BANCARE  
 FIELD ENGINEER FIRM TRS, T5N, R28E, S15  
 PROJECT NUMBER  
 LOCATION: US35 MILLER LAKE  
 UMATILLA, OR 97882  
 DRAWING TITLE: zayo - OVERPASS TO UMATILLA - CDDT - D.010  
 UMATILLA - OVERPASS - CONSULTING  
 CONFIDENTIAL AND PROPRIETARY SHEET 7 OF 16



PLAN VIEW E.1



PLAN VIEW E.2

**CONSTRUCTION NOTES**

5 PROPOSED BORE (24) 2" CONDUITS AND (1) 1 1/2" CONDUITS. PULL FIBER CABLE THROUGH. REPAIR SURFACE PER LOCAL JURISDICTION STANDARDS. CONTRACTOR TO POTHOLE UTILITIES PRIOR TO CONSTRUCTION.

**CONTRACTOR NOTES**

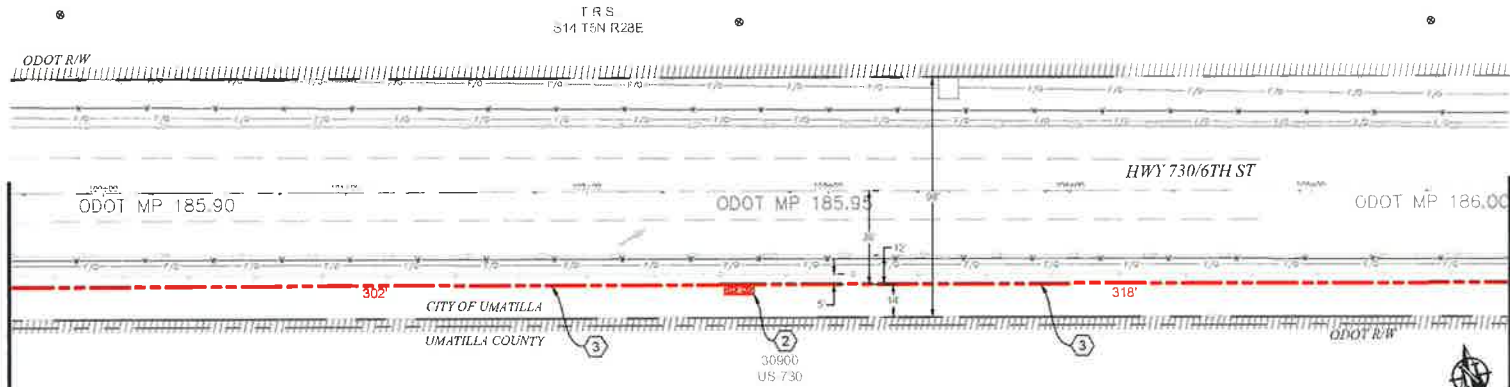
LINE OF SIGHT MARKERS REQUIRED EVERY 500'



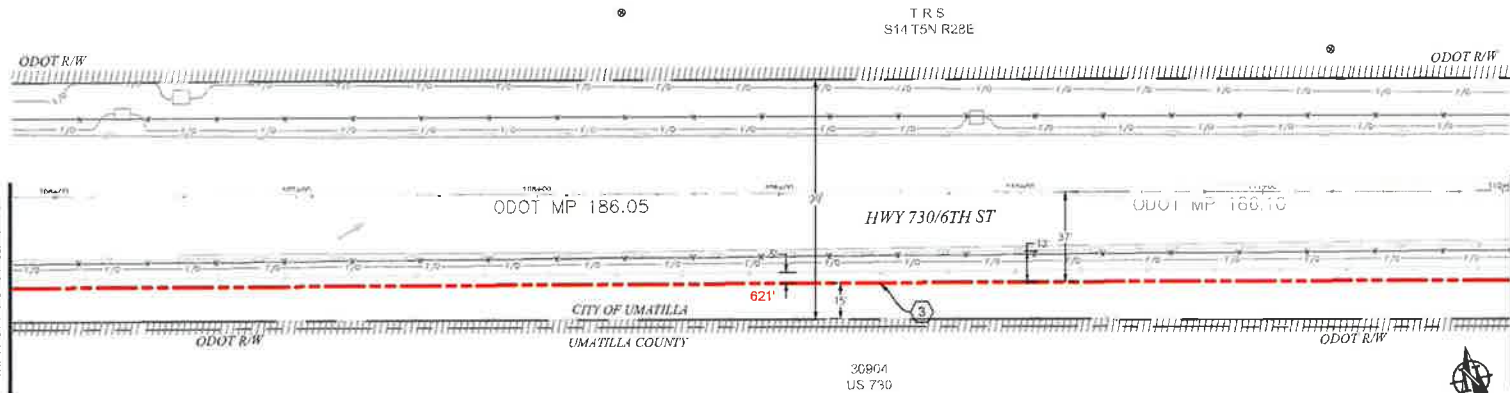
**811**  
 Know what's below.  
 Call before you dig.

SCALE: 1"=50'

1				AS-BUILT
2				REVISION # 1
3	3/1/18	BR	CH	ORIGINAL
REV	DATE	ENGINEER	DRAWER	COMMENT
<b>ZAYO GROUP</b> <b>MGG</b>				
ZAYO ENGINEER DAN DARCUM				
ENGINEERING FIRM TRIC TECHNICAL CONSULTING INC				
PROJECT NUMBER				
LOCATION: 4225 MUMFORD AVE				
UMATILLA, OR 97152				
DRAWING'S NAME: ZAYO - EQUIPMENT TO UMATILLA - ODOT FIBER				
UMATILLA AREA CONTACT.dwg				
DATE: 02/14/2018 10:57:47 AM				SHEET: 11 OF 11



PLAN VIEW F.1



PLAN VIEW F.2

- CONSTRUCTION NOTES**
- ② PROPOSED PLACE (1) 30" X 48" BULK SERIES 7 VAULT. PROPOSED PLACE (1) 24" X 48" BULK SERIES 4 VAULT. COIL 100 OF FIBER THROUGH. SEE VAULT DETAILS ON SHEET 14.
  - ③ PROPOSED BORE (24) 2" CONDUITS AND (1) 1 1/4" CONDUITS. PULL FIBER CABLE THROUGH. REPAIR SURFACE PER LOCAL JURISDICTION STANDARDS. CONTRACTOR TO POTHOLE UTILITIES PRIOR TO CONSTRUCTION.

- CONTRACTOR NOTES**
- LINE OF SIGHT MARKERS REQUIRED EVERY 500'
  - ADD 1' OF COMPACT GRAVEL AND WIRE MESH ON THE FLOOR OF EACH VAULT.

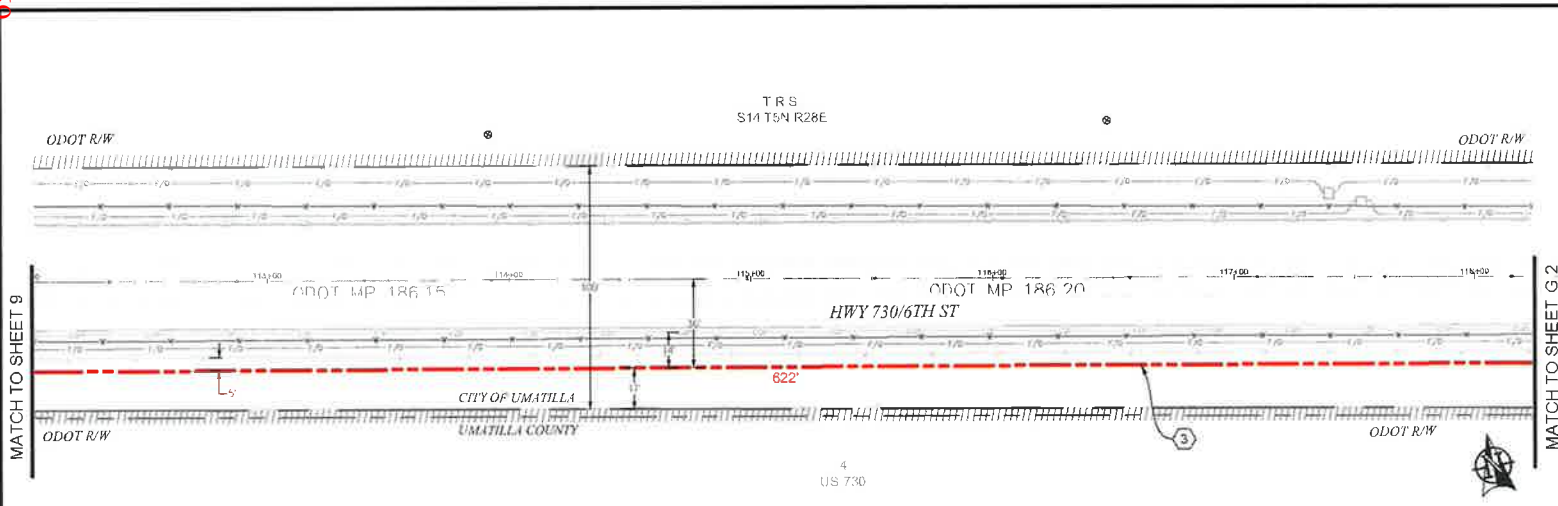
1				AS-BUILT
2				REVISION # 1
1	3/1/18	BB	CH	ORIGINAL
NO	DATE	ENGINEER	DRAFTER	COMMENT
 				
ZAYO ENGINEER: EMMY BARCLAY				
ENGINEERING FIRM: MCG TECHNICAL CONSULTING INC.				
PROJECT NUMBER:				
LOCATION: 6250 MURDER LANE				
UMATILLA OR 97882				
LOCATION/STATE: ZAYO - OREGONIAN TO UMATILLA ROAD 730 TO UMATILLA ROAD CREATING				
CONFIDENTIAL/PROPRIETARY				
				SHEET # OF 16

**811**  
Know what's below.  
Call before you dig.

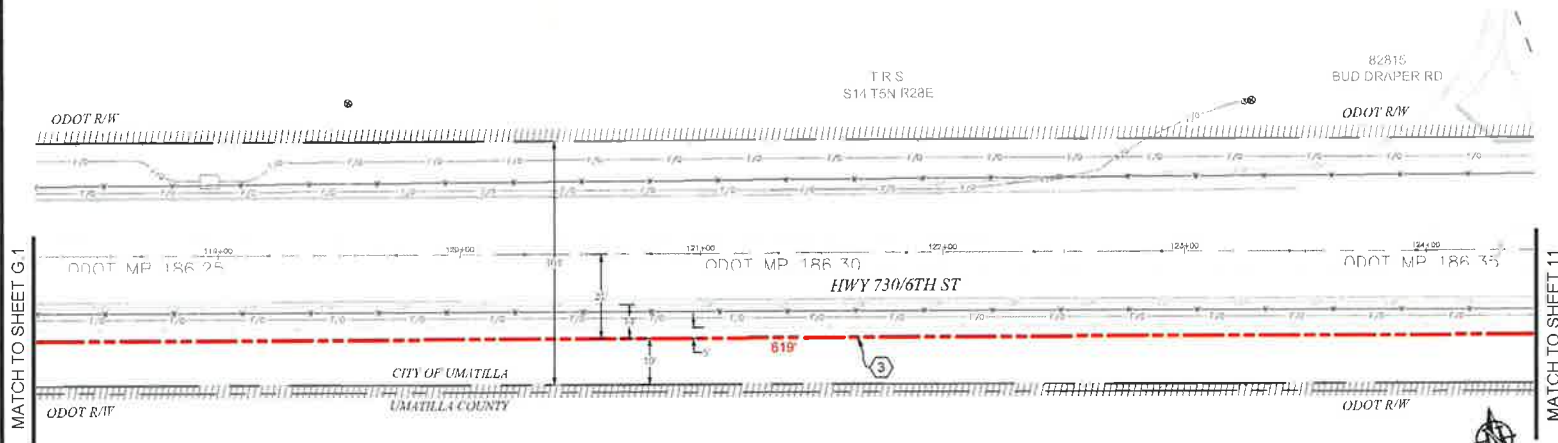


SCALE: 1"=50'





PLAN VIEW G.1



PLAN VIEW G.2

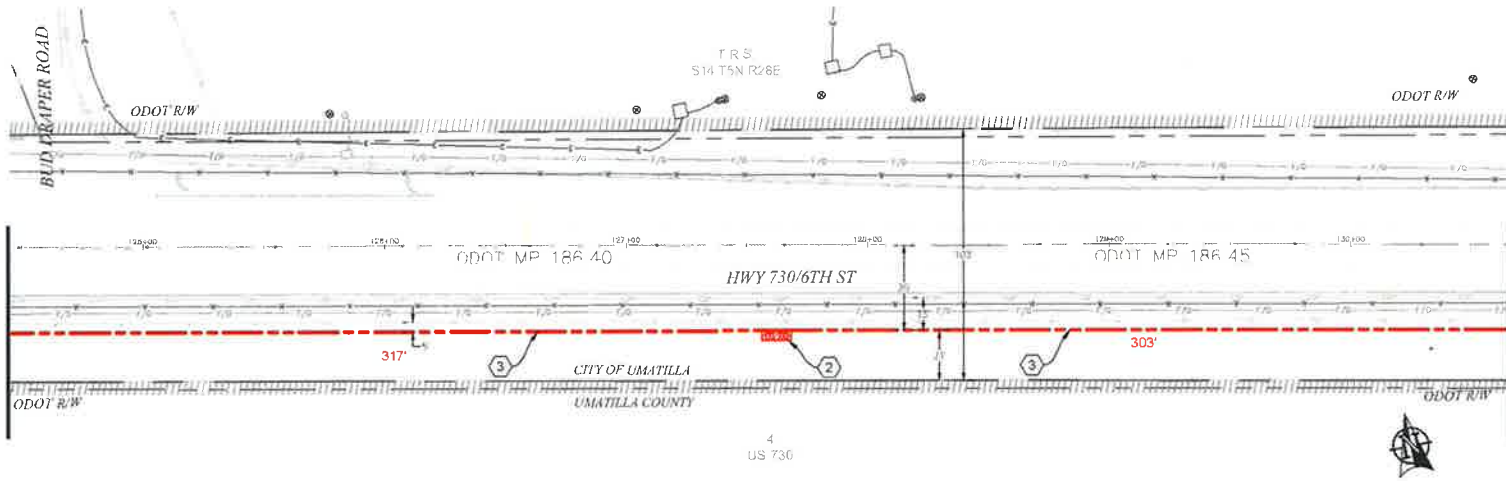
**CONSTRUCTION NOTES**  
 (3) PROPOSED BORE (24) 2" CONDUITS AND (1) 1 1/4" CONDUITS. PULL FIBER CABLE THROUGH. REPAIR SURFACE PER LOCAL JURISDICTION STANDARDS. CONTRACTOR TO POTHOLE UTILITIES PRIOR TO CONSTRUCTION.

**CONTRACTOR NOTES**  
 LINE OF SIGHT MARKERS REQUIRED EVERY 500'

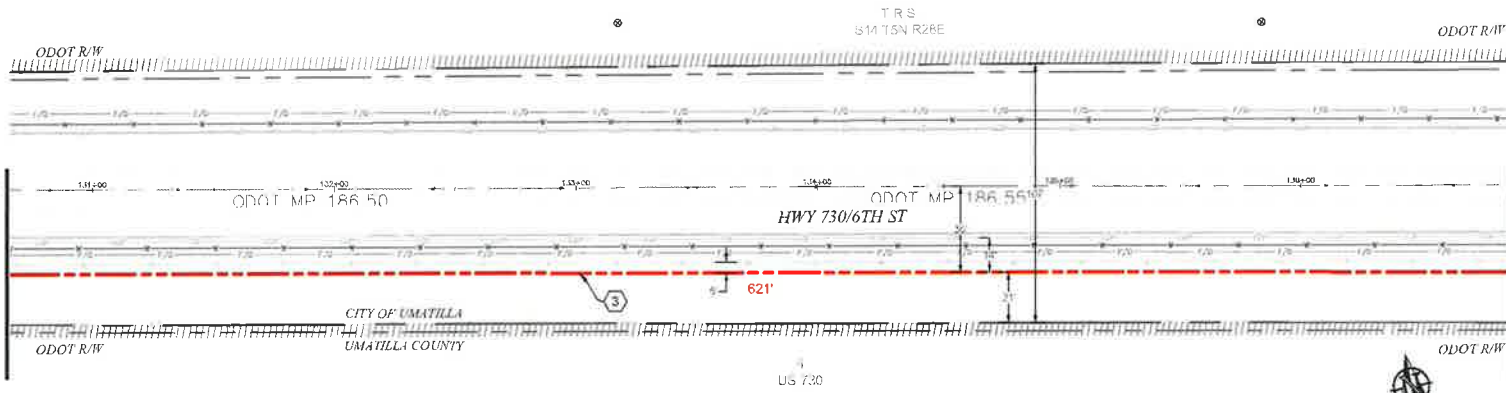
AS-BUILT			
NO.	DATE	ENGINEER	COMMENTS
1	3/1/10	BB	CH ORIGINAL

<b>zayo</b> GROUP	<b>MGS</b> TECHNICAL CONSULTING INC
ZAYO ENGINEER: LAIN BARCLAY	
PROJECT NUMBER:	
LOCATION: 12300 MUNKER LANE UMATILLA, OR 97802	
EXAMINER: ZAYO - UMATILLA TO UMATILLA - 0001 (2) TO UMATILLA TO UMATILLA - 0001.dwg	
CONFIDENTIAL/PROPRIETARY	SHEET 10 OF 10



PLAN VIEW H.1



PLAN VIEW H.2

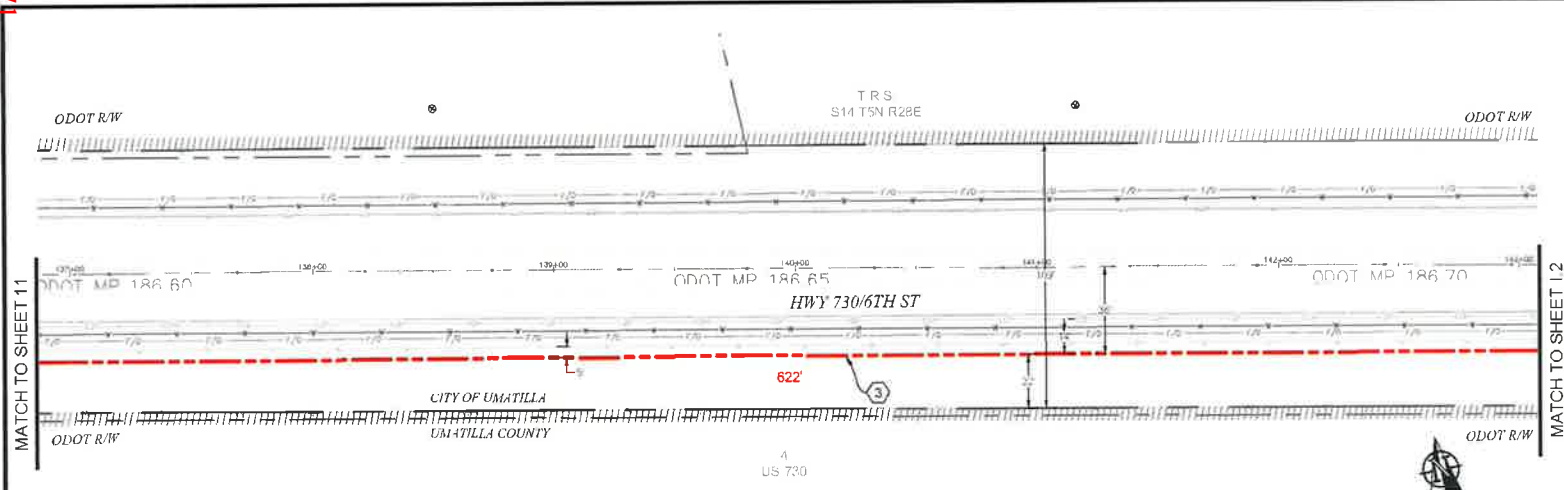
- CONSTRUCTION NOTES**
- ② PROPOSED PLACE (1) 30" X 48" BULK SERIES 7 VAULT. PROPOSED PLACE (1) 24" X 48" BULK SERIES 4 VAULT. COIL 100 OF FIBER THROUGH. SEE VAULT DETAILS ON SHEET 14.
  - ③ PROPOSED BORE (24) 2" CONDUITS AND (1) 1 1/4" CONDUITS. PULL FIBER CABLE THROUGH. REPAIR SURFACE PER LOCAL JURISDICTION STANDARDS. CONTRACTOR TO POTHOLE UTILITIES PRIOR TO CONSTRUCTION.

- CONTRACTOR NOTES**
- LINE OF SIGHT MARKERS REQUIRED EVERY 500'
  - ADD 1" OF COMPACT GRAVEL AND WIRE MESH ON THE FLOOR OF EACH VAULT.

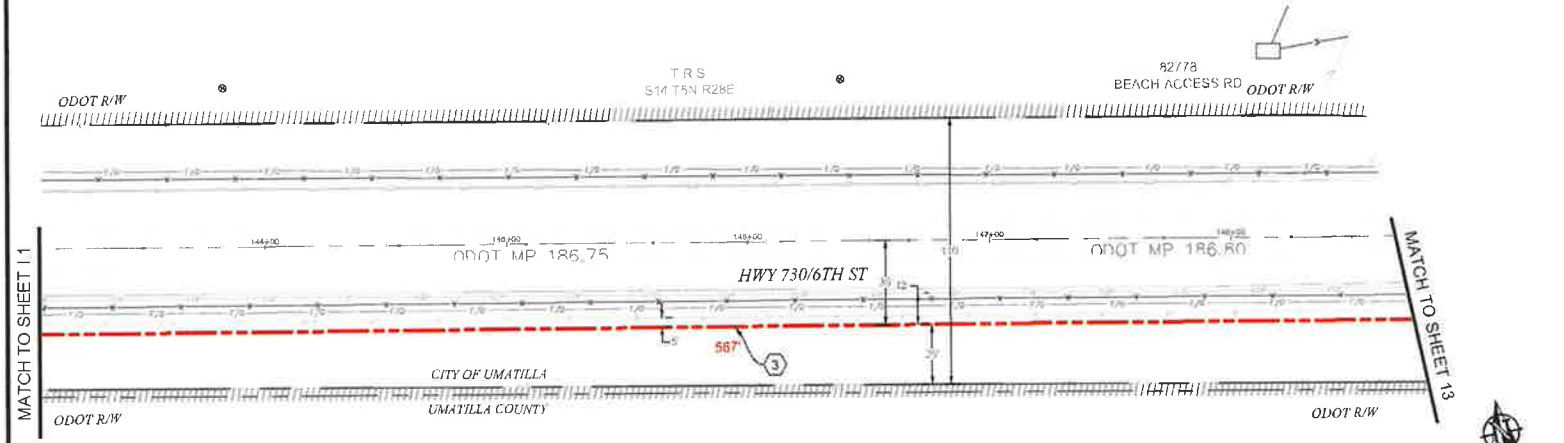
1				AS-BUILT
2				REVISION # 1
3	3/1/18	BB	CH	ORIGINAL
NO	DATE	ENGINEER	DRAFTER	COMMENT
		<b>zayo</b> GROUP		<b>MGC</b> TECHNICAL CONSULTING INC.
ZAYO NUMBER: DAN BARKER				
ENGINEERING FIRM: MGC TECHNICAL CONSULTING INC				
PROJECT NUMBER:				
LOCATION: 82353 MURDER LANE UMATILLA, OR 97152				
DRAWING NAME: ZAYO EQUIPMENT TO UMATILLA - ODOT 730 RD UMATILLA, OR 97152				
CONFIDENTIAL/PROPRIETARY SHEET 11 OF 14				

**811**  
Keep what's below.  
Call before you dig.

7



PLAN VIEW I.1



PLAN VIEW I.2

**CONSTRUCTION NOTES**

3 PROPOSED BORE (24) 2" CONDUITS AND (1) 1 1/2" CONDUITS. PULL FIBER CABLE THROUGH. REPAIR SURFACE PER LOCAL JURISDICTION STANDARDS. CONTRACTOR TO FORTHOLO UTILITIES PRIOR TO CONSTRUCTION.

**CONTRACTOR NOTES**

LINE OF SIGHT MARKERS REQUIRED EVERY 500'

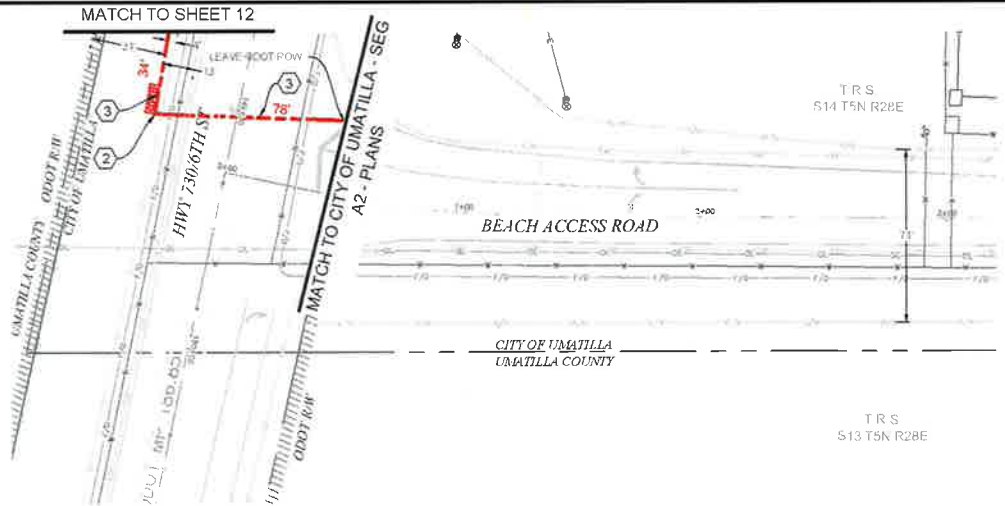


**811**

Know what's below.  
Call before you dig.

SCALE: 1"=50'

AS-BUILT			
NO	DATE	ENGINEER	REVISION # 1
1	3/1/18	BB	ORIGINAL
NO		ENGINEER	COMMENTS
		DRFTER	
ZAYO ENGINEER DAN BARCOAS			
ENGINEERING FIRM MGC TECHNICAL CONSULTING INC			
PROJECT NUMBER			
LOCATION 4295 MURDER LAKE			
UMATILLA, OR 97137			
DRAWING NAME ZAYO - ENGINEERING TO UMATILLA - 1807 - 7 (11)			
UMATILLA - 1807 - 7 (11)			
CONFIDENTIAL/PROPRIETARY SHEET 11 OF 16			



PLAN VIEW J

- CONSTRUCTION NOTES**
- 2 PROPOSED PLACE (1) 30" X 48" BULK SERIES 7 VAULT. PROPOSED PLACE (1) 24" X 48" BULK SERIES 4 VAULT. COIL 100 OF FIBER THROUGH. SEE VAULT DETAILS ON SHEET 14.
  - 3 PROPOSED BORE (24) 2" CONDUITS AND (1) 1 1/2" CONDUITS. PULL FIBER CABLE THROUGH. REPAIR SURFACE PER LOCAL JURISDICTION STANDARDS. CONTRACTOR TO POTHOLE UTILITIES PRIOR TO CONSTRUCTION.

**CONTRACTOR NOTES**

LINE OF SIGHT MARKERS REQUIRED EVERY 500'

ADD 1' OF COMPACT GRAVEL AND WIRE MESH ON THE FLOOR OF EACH VAULT.



**811**  
Know what's below.  
Call before you dig.

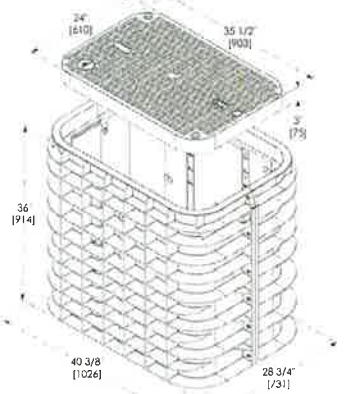
SCALE: 1"=50'

2				AS-BUILT
3				REVISION # 1
1	3/1/18	BB	CH	ORIGINAL
NO	DATE	ENGINEER	DRAFTER	COMMENT
ZAYO ENGINEER: DAN BARKER				
ENGINEERING FIRM: SAC TECHNICAL CONSULTING INC				
PROJECT NUMBER:				
LOCATION: 12353 MURDER LANE				
UMATILLA, OR 97152				
DRAWING NAME: ZAYO - ENVIROGRAPH TO UMATILLA - 10501 - 730/6				
UMATILLA PUBLIC CONDUIT Sys				
SUPPLEMENTAL PROPRIETARY				SHEET 13 OF 16

# VAULT DETAILS

## BODY SPECIFICATIONS

Cover Weight 50 lbs [23 kg]  
 Pit Weight 82 lbs [37 kg]  
 Assembled Weight 132 lbs [60 kg]

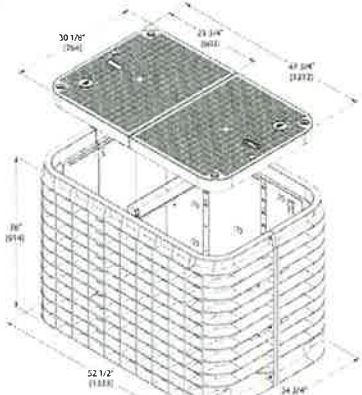


### ADDITIONAL BODY DEPTHS

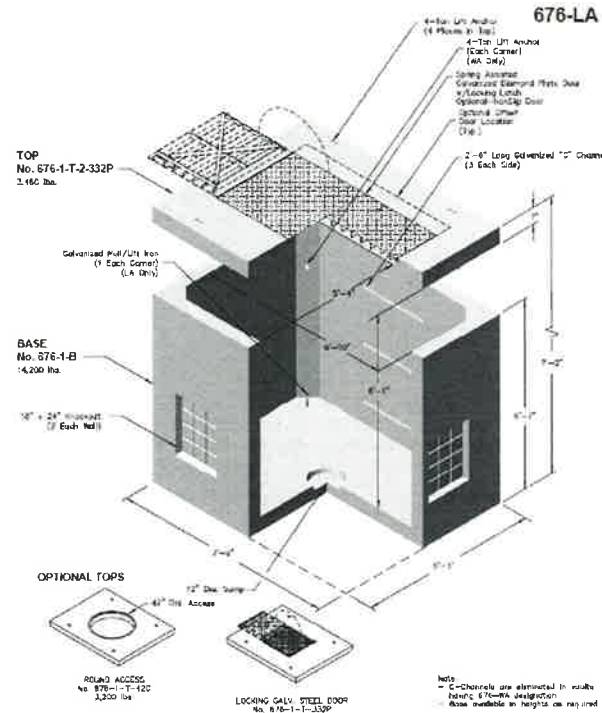
TYPICAL BULK - SERIES 4 VAULT DETAIL  
 SCALE: NTS

## BODY SPECIFICATIONS

Cover Weight (54 1/2\"/>



TYPICAL BULK - SERIES 7 VAULT DETAIL  
 SCALE: NTS



Note: Designed for 6\"/>

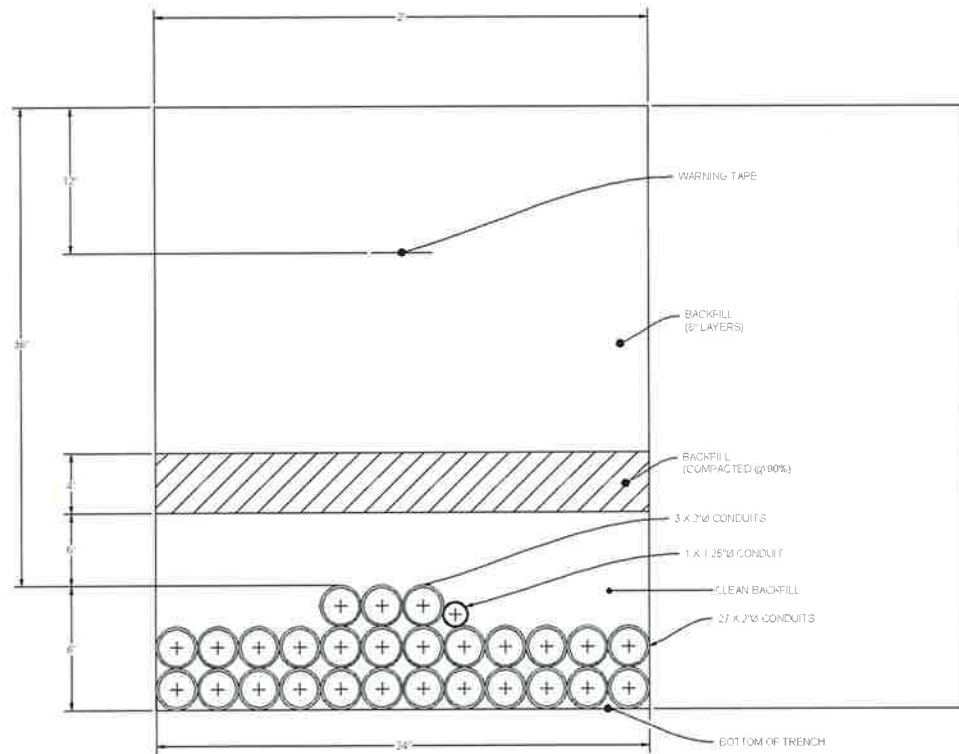
 PO Box 323 Wilsonville Oregon 97130-0323 Tel: (503) 682-2844 Fax: (503) 682-2857	<b>676-LA</b> File Name: 020-676-LA Issue Date: 2/15/18 Drawing Location: oldcastleprecast.com/wilsonville	<b>676-LA</b> 6 x 7 x 6 POWER WATER GAS
	Note: C-Channels are eliminated in vaults having 6\"/>	

TYPICAL 676LA VAULT  
 SCALE: NTS



3				AS-BUILT
2				REVISION # 1
1	3/1/18	DB	CH	ORIGINAL
REV	DATE	ENGINEER	DRAFTER	COMMENT
ZAYO ENGINEER - DUNBAR, OREGON ENGINEERING FIRM INC. TECHNICAL CONSULTING INC. PROJECT NUMBER LOCATION: 12353 MURPHY LAKE UMATILLA OR 97882 DRAWING NAME: ZAYO DUNBAR TO UNPLATE 10031 7/8/18 DRAWN BY: JAMES J. (JIM) JONES				
CONFIDENTIAL/PROPRIETARY SHEET 14 OF 20				

# DUCT SYSTEM DETAILS



**DUCT BANK TRENCH DETAIL #1**  
SCALE: NTS



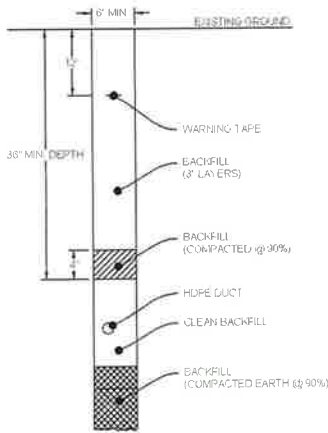
Know what's below.  
Call before you dig.

NO.	DATE	ENGINEER	DRAFTER	REVISION	COMMENT
1	3/1/16	BB	CH	ORIGINAL	
2				AS-BUILT	

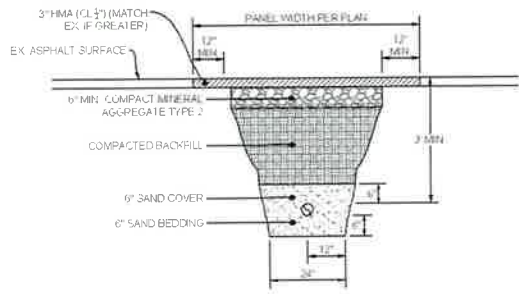
  

ZAYO ENGINEER: DRI (BAR, LMS)			
ENGINEERING FROM: SAC, TECHNICAL CONSULTING INC.			
PROJECT NUMBER:			
LOCATION: 12353 MURDER LAKE			
UMATILLA, OR 97382			
DRAWING FRAME: ZAYO - ENGINEER TO UMATILLA 1001 - 3.16.16			
UMATILLA FILE: 100101.dwg			
CONFIDENTIAL/PROPRIETARY			

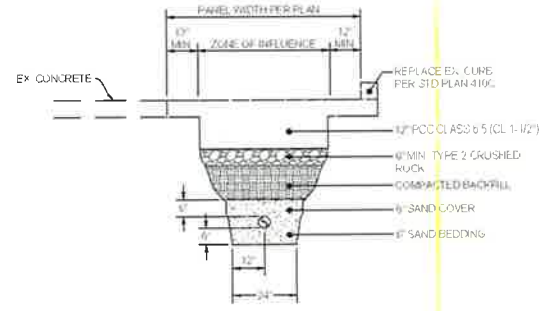
# UNDERGROUND TYPICALS



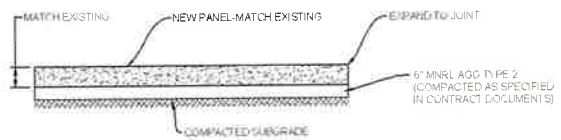
**TYPICAL TRENCH IN SOIL DETAIL**  
SCALE: NTS



**TYPICAL PATCH TRENCH DETAIL**  
SCALE: NTS



**TYPICAL CONCRETE TRENCH DETAIL**  
SCALE: NTS



**TYPICAL CONCRETE PANEL CROSS SECTION DETAIL**  
SCALE: NTS



Know what's below.  
Call before you dig.

3				AS-BUILT
2				REVISION # 1
1	3/1/10	GB	CH	ORIGINAL
NO	DATE	ENGINEER	DRAFTER	COMMENT
<b>zayo</b>		<b>MGE</b>		
ZAYO ENGINEER: CHU BANGKANG				
DRAWN FROM: MGP TECHNICAL CONSULTING INC.				
PROJECT NUMBER:				
LOCATION: 6295 MURPHY LANE				
UMATILLA, OR 97152				
DRAWING NAME: ZAYO EQUIPMENT TO UMATILLA FOOTPRINT				
UMATILLA ELECTRIC COMPANY				
CONFIDENTIAL/PROPRIETARY				
				SHEET 16 OF 26

ADDRESS: 709 WILLAMETTE ST, UMATILLA, OR 97882  
 PROJECT NAME: BOARDMAN TO UMATILLA - CITY OF UMATILLA - SEG A2 - BULK CONDUIT



### SITE LOCATION BILL OF MATERIALS

NEW AERIAL	=	0 FT.
OVERLASH	=	0 FT.
NEW UNDERGROUND	=	16,211 FT.
EXISTING UNDERGROUND	=	0 FT.
RISERS	=	0 FT.
ISP	=	0 FT.
TOTAL FOOTAGE	=	16,211 FT.



#### CONTACTS

ZAYO CONTACT  
 DAN BARCUMB  
 22651 8RD AVE S  
 KENT WA 98032  
 C 509 737 3245  
 DAN.BARCUMB@ZAYO.COM

LEVI SPRIET  
 MGC TECHNICAL CONSULTING INC  
 6244 185TH AVE NE  
 REDMOND, WA 98052  
 C 206 518 1603  
 LEVI@MGC-TECHNICAL.COM

#### SHEET INDEX

- 1 COVER SHEET / SITE LOCATION
- 2 LEGEND
- 3 GENERAL NOTES
- 4-17 PLAN VIEW A-N
- 18 VAULT DETAIL
- 19 DUCT SYSTEM DETAIL
- 20 UNDERGROUND TYPICALS

#### SCOPE OF WORK:

PLACE CONDUIT AND VAULTS FROM NORTHWEST CORNER OF HWY 730 AND BEACH ACCESS RD NORTH ON THE WEST SIDE OF BEACH ACCESS RD. WEST ON THE SOUTH SIDE OF ROXBURY RD. WEST ON THE SOUTH SIDE OF BIG DRAPER RD. WEST ON THE NORTH SIDE OF RIVERSIDE AVE. SOUTH ON WILLAMETTE AVE. WEST ON COLUMBIA BLVD. SOUTH ON THE WEST SIDE OF POWANO DR. PULL FIBER CABLE THROUGHOUT.

NO	DATE	ENGINEER	DRAFTER	COMMENT
1	3/17/18	DB	CH	AS-BUILT REVISION # 1
2	3/13/17	LS	DW	ORIGINAL

ZAYO ENGINEER DAN BARCUMB  
 ENGINEERING FIRM MGC TECHNICAL CONSULTING INC  
 PROJECT NUMBER  
 LOCATION 709 WILLAMETTE ST  
 UMATILLA, OR 97882  
 DRAWING TITLE ZAYO BOARDMAN TO UMATILLA - CITY OF UMATILLA - SEG A2 - BULK CONDUIT  
 SHEET 1 OF 20  
 CONFIDENTIAL/PROPRIETARY



# LEGEND

## LINETYPES

	AERIAL FIBER - EXISTING
	AERIAL FIBER - ATTACH
	AERIAL FIBER - OVERLASH
	STRAND - EXISTING
	STRAND - PROPOSED
	CONDUIT - EXISTING
	CONDUIT - PROPOSED
	INNERDUCT - EXISTING
	INNERDUCT - PROPOSED
	GAS
	WATER
	TELEPHONE
	FIBER OPTIC
	ELECTRIC
	SANITARY SEWER (SEW)
	STORM DRAIN
	CABLE TV
	STEAM
	OIL
	UNKNOWN UTILITY
	FENCE
	RIGHT OF WAY
	EDGE OF PAVEMENT

## ABBREVIATIONS

ASW	ASPHALT SIDEWALK
BIP	BLACK IRON PIPE
BSP	BLACK STEEL PIPE
CSW	CONCRETE SIDEWALK
ELECT.	ELECTRIC
EOP	EDGE OF PAVEMENT
EOTW	EDGE OF TRAVEL WAY
FOC	FACE OF CURB
F/O	FIBER OPTIC
HDPE	HIGH DENSITY POLYETHYLENE
HH	HANDHOLE
JB	JUNCTION BOX
MH	MANHOLE
MP	MILE POST
O/S	OFFSET
PR	POWER RISER
PVC	POLY VINYL CHLORIDE
RGS	RIGID GALVANIZED STEEL CONDUIT
ROW	RIGHT OF WAY
SEW	SANITARY SEWER
SD	STORM DRAIN
STA.	STATION
STM	STEAM
TEL	TELECOM

## SYMBOLS

	RISER - EXISTING		TRANSMISSION/DISTRIBUTION POLE
	RISER - PROPOSED		TRANSMISSION POLE
	CATCH BASIN/INLET (RECTANGULAR)		DISTRIBUTION POLE
	CATCH BASIN/INLET (ROUND)		GROUND/BOND
	FIRE HYDRANT		AERIAL STORAGE - EXISTING
	WATER/GAS VALVE		AERIAL STORAGE - PROPOSED
	LIGHT POST		VAULT/BUILDING STORAGE - EXISTING
	STREET LIGHT		VAULT/BUILDING STORAGE - PROPOSED
	TRAFFIC LIGHT ARM		POLE ANCHOR/DOWN GUY - EXISTING
	TREE		POLE ANCHOR/DOWN GUY - PROPOSED
	CULVERT		DOWN GUY TO EXISTING ANCHOR - PROPOSED
	WING WALL		SPLICE POINT - EXISTING
	BRIDGE		SPLICE POINT - PROPOSED
	STREET SIGN		TERMINATION - EXISTING
	ADA RAMP		TERMINATION - PROPOSED
	UTILITY POLE - EXISTING		PULLBOX - EXISTING
	UTILITY POLE - PROPOSED		PULLBOX - PROPOSED
	TRAFFIC RATED VAULT - EXISTING (SIZE AND UTILITY TYPE MAY VARY)		CONSTRUCTION NOTE / RESTORATION CALLOUT
	TRAFFIC RATED VAULT - PROPOSED (SIZE MAY VARY)		PHOTO-MARKER
	HANDHOLE - EXISTING (SIZE AND UTILITY TYPE MAY VARY)		NORTH ARROW
	HANDHOLE - PROPOSED (SIZE MAY VARY)		
	PEDESTAL - EXISTING (SIZE AND UTILITY TYPE MAY VARY)		
	PEDESTAL - PROPOSED (SIZE MAY VARY)		
	WET UTILITY MANHOLE - EXISTING (SIZE AND UTILITY TYPE MAY VARY)		
	BORE PIT - PROPOSED (SIZE MAY VARY)		
	UTILITY POTHOLE		

## INFORMATION TABLES

POLE NUMBER	#	UTILITY POLE INFORMATION TABLE (NUMBER OF ATTACHMENTS MAY VARY)
EXISTING UTILITY	0'-0"	
PROPOSED ATTACH	0'-0"	

#F	IN:	OUT:	SEQUENTIAL IN/OUT CALLOUT
#F	IN:	TAIL:	SEQUENTIAL IN/TAIL CALLOUT
#F	TAIL:	OUT:	SEQUENTIAL TAIL/OUT CALLOUT

## HATCH PATTERNS

	CONCRETE SIDEWALK
	GRASS/VEGETATION
	GRAVEL
	WATER



AS-BUILT			
NO.	DATE	ENGINEER	DRAWER
1	3/1/18	BB	CH
2	9/15/17	LS	OW
3			
4			

REVISION # 1 ORIGINAL

ZAYO GROUP MGC

ZAYO ENGINEERING, INC. DATA ENGINEERING  
 ENGINEERING FROM AS/2 TECHNICAL CONSULTING  
 PROJECT NUMBER:  
 LOCATION: 309 WILLAMETTE ST  
 UMATILLA, OR 97152  
 CLIENT: FORDS EXPO - ENGINEERED TO UMATILLA CITY OF UMATILLA  
 PLANS SHEET  
 CONFIDENTIAL/PROPRIETARY SHEET 2 OF 28

# GENERAL NOTES

## GENERAL NOTES

The locations of utilities shown on these drawings are only approximate. MGC TECHNICAL CONSULTING, INC. hereby disclaims any responsibility to third parties for the accuracy of this information. Persons working in the area covered by this drawing must contact the statewide Call-Before-You-Dig System to ascertain the location of underground utilities prior to performing any excavation.

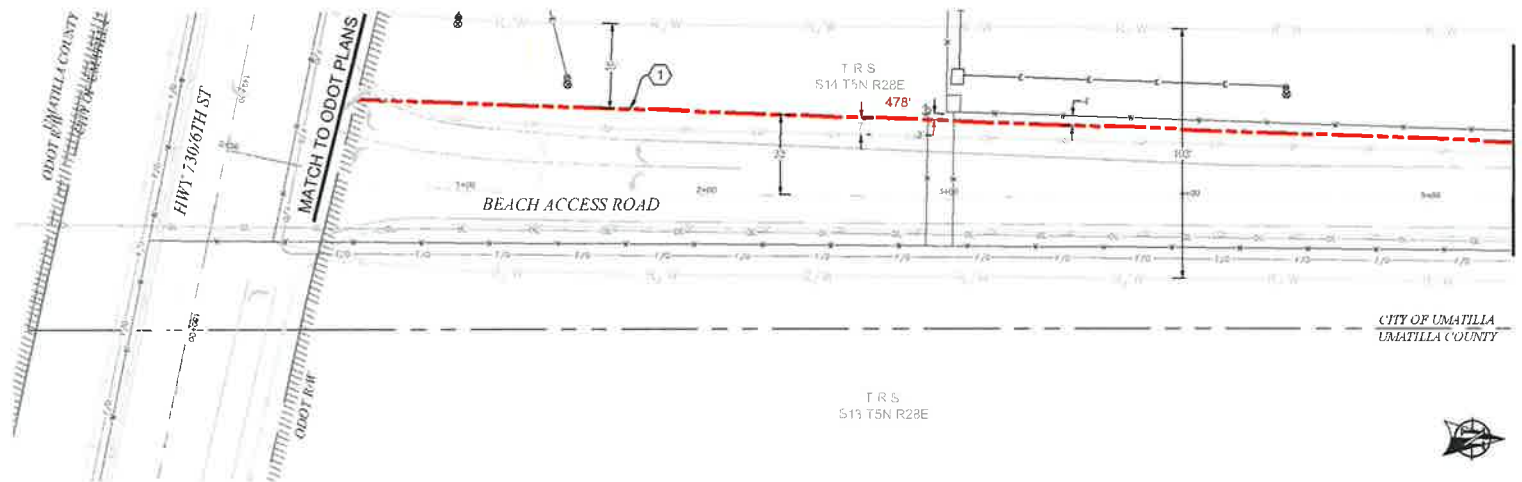
- 1 ALL MATERIALS, WORKMANSHIP, AND CONSTRUCTION OF UTILITY IMPROVEMENTS SHALL MEET OR EXCEED SITE WORK STANDARDS AND THE STANDARDS AND SPECIFICATIONS SET FORTH IN THE CITY OF UMATILLA REGULATIONS AND APPLICABLE STATE AND FEDERAL REGULATIONS. WHERE THERE IS CONFLICT BETWEEN THESE PLANS AND THE SPECIFICATIONS, OR ANY APPLICABLE STANDARDS, THE HIGHER QUALITY STANDARD SHALL APPLY. ALL WORK WITHIN PUBLIC R.O.W. OR EASEMENTS MAY REQUIRE INSPECTION AND APPROVAL BY THE CITY OF UMATILLA INSPECTOR. INSPECTION SERVICES AND CONSTRUCTION CERTIFICATION TO BE PROVIDED BY DESIGNEE OF PROJECT SPONSOR/OWNER.
- 2 THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES, AS SHOWN ON THESE PLANS, IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED UPON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE LOCAL UTILITY LOCATION CENTER AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF EXISTING UTILITIES. THE CONTRACTOR SHALL VERIFY PERTINENT LOCATIONS AND ELEVATIONS, ESPECIALLY AT THE CONNECTION POINTS AND AT POTENTIAL UTILITY CONFLICTS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES THAT CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THESE PLANS.
- 3 THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM ALL APPLICABLE AGENCIES. THE CONTRACTOR SHALL NOTIFY THE CITY OF UMATILLA INSPECTOR AT LEAST 48 HOURS PRIOR TO THE START OF ANY EARTH DISTURBING ACTIVITY OR CONSTRUCTION ON ANY AND ALL PUBLIC IMPROVEMENTS IF REQUIRED.
- 4 THE CONTRACTOR SHALL COORDINATE AND COOPERATE WITH THE CITY OF UMATILLA AND ALL UTILITY COMPANIES WITH REGARD TO RELOCATIONS OR ADJUSTMENTS OF EXISTING UTILITIES DURING CONSTRUCTION, TO ASSURE THAT THE WORK IS ACCOMPLISHED IN A TIMELY FASHION, AND WITH A MINIMUM DISRUPTION OF SERVICE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL PARTIES AFFECTED BY ANY DISRUPTION OF ANY UTILITY SERVICE.
- 5 THE CONTRACTOR SHALL HAVE ONE (1) SIGNED COPY OF THE APPROVED PLANS, ONE (1) COPY OF THE APPROPRIATE STANDARDS AND SPECIFICATIONS, AND ONE (1) COPY OF ANY PERMITS AND EXTENSION AGREEMENTS NEEDED FOR THE JOB ON-SITE AT ALL TIMES.
- 6 THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ASPECTS OF SAFETY INCLUDING, BUT NOT LIMITED TO: EXCAVATION, TRENCHING, SHORING, TRAFFIC CONTROL, AND SECURITY.
- 7 IF, DURING THE CONSTRUCTION PROCESS, CONDITIONS ARE ENCOUNTERED BY THE CONTRACTOR, HIS SUBCONTRACTORS, OR OTHER AFFECTED PARTIES WHICH COULD INDICATE A SITUATION THAT IS NOT IDENTIFIED IN THE PLANS OR SPECIFICATIONS, THE CONTRACTOR SHALL CONTACT THE ENGINEER IMMEDIATELY.
- 8 ALL REFERENCES TO ANY PUBLISHED STANDARDS SHALL REFER TO THE LATEST REVISION OF SAID STANDARD, UNLESS SPECIFICALLY STATED OTHERWISE.
- 9 FOR WORK AFFECTING PUBLIC ROADWAYS OR IF REQUIRED BY THE CITY OF UMATILLA, THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL AND PHASING PLAN IN ACCORDANCE WITH M.U.T.C.D. FOR APPROVAL PRIOR TO ANY CONSTRUCTION ACTIVITIES WITHIN OR AFFECTING THE RIGHT-OF-WAY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ANY AND ALL TRAFFIC CONTROL DEVICES AS MAY BE REQUIRED BY SAID PLANS. PRIOR TO INSTALLATION A PRECONSTRUCTION CONFERENCE SHALL BE HELD WITH CITY OF UMATILLA.
- 10 THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL LABOR AND MATERIALS NECESSARY FOR THE COMPLETION OF THE INTENDED IMPROVEMENTS SHOWN ON THESE DRAWINGS OR DESIGNATED TO BE PROVIDED, INSTALLED, CONSTRUCTED, REMOVED OR RELOCATED UNLESS SPECIFICALLY NOTED OTHERWISE.
- 11 PER AGENCY STANDARDS THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING ROADWAYS FREE AND CLEAR OF ALL CONSTRUCTION DEBRIS AND DIRT TRACKED FROM THE SITE.
- 12 THE CONTRACTOR SHALL BE RESPONSIBLE FOR RECORDING RECORD INFORMATION ON A SET OF RECORD DRAWINGS KEPT AT THE CONSTRUCTION SITE AND AVAILABLE TO THE CITY OF UMATILLA INSPECTOR AT ALL TIMES.
- 13 DIMENSIONS FOR LAYOUT AND CONSTRUCTION ARE NOT TO BE SCALED FROM ANY DRAWING. FOR ADDITIONAL INFORMATION CONTACT THE ENGINEER FOR CLARIFICATION AND NOTE ON THE RECORD DRAWINGS.
- 14 ALL EROSION AND SEDIMENT CONTROL (E.S.C.) MEASURES SHALL BE INSTALLED AT THE LIMITS OF CONSTRUCTION PRIOR TO GROUND DISTURBING ACTIVITY. ALL E.S.C. MEASURES SHALL BE MAINTAINED IN GOOD REPAIR BY THE CONTRACTOR UNTIL SUCH TIME AS THE ENTIRE DISTURBED AREAS ARE STABILIZED WITH HARD SURFACE OR LANDSCAPING.
- 15 ALL WORK WITHIN THE PUBLIC RIGHT-OF-WAY IS SUBJECT TO THE JURISDICTION OF THE CITY OF UMATILLA ENGINEERING DEPARTMENT STANDARD DETAILS AND SPECIFICATIONS.
- 16 ALL CONSTRUCTION OPERATIONS, INCLUDING THE WARMING UP, REPAIR, ARRIVAL, DEPARTURE OR RUNNING OF TRUCKS, EARTH MOVING EQUIPMENT, CONSTRUCTION EQUIPMENT AND ANY OTHER ASSOCIATED EQUIPMENT SHALL GENERALLY BE LIMITED TO THE TIME PERIOD APPROVED BY THE CITY OF UMATILLA.



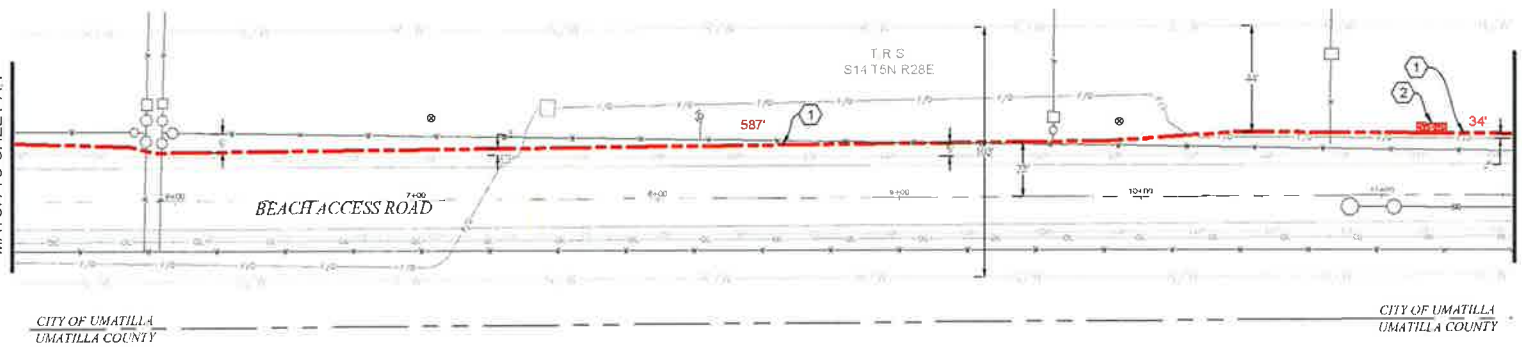
NO.	DATE	ENGINEER	DRAWER	COMMENT
3				AS-BUILT
2	3/1/18	BB	CH	REVISION # 1
1	9/15/17	LS	OW	ORIGINAL

<b>zayo</b> GROUP		<b>MGE</b> TECHNICAL CONSULTING INC.	
ZAYO ENGINEER: GARY BARKLAND			
ENGINEERING FIRM: MGC TECHNICAL CONSULTING INC.			
PROJECT NUMBER:			
LOCATION: 104 WILLIAM TUE ST UMATILLA, OR 97882			
DRAWING TITLE: SANITARY SEWER MAIN TO UMATILLA - CITY OF UMATILLA			
DRAWING NO: 17-000-001			
CONFIDENTIAL/PROPRIETARY			



PLAN VIEW A.1



PLAN VIEW A.2

- CONSTRUCTION NOTES**
- ① PROPOSED NEW (27) 2" CONDUITS AND (1) 1 X' CONDUITS. PULL FIBER CABLE THROUGH SURFACE PER LOCAL JURISDICTION STANDARDS. CONTRACTOR TO POTHOLE UTILITIES PRIOR TO CONSTRUCTION.
  - ② PROPOSED PLACE (1) 30" X 48" BULK SERIES 7 VAULT. PROPOSED PLACE (1) 24" X 48" BULK SERIES 4 VAULT. PULL FIBER THROUGH. SEE VAULT DIAGRAM V-2 ON SHEET 18. SEE VAULT DETAILS ON SHEET 19.

**CONTRACTOR NOTES**

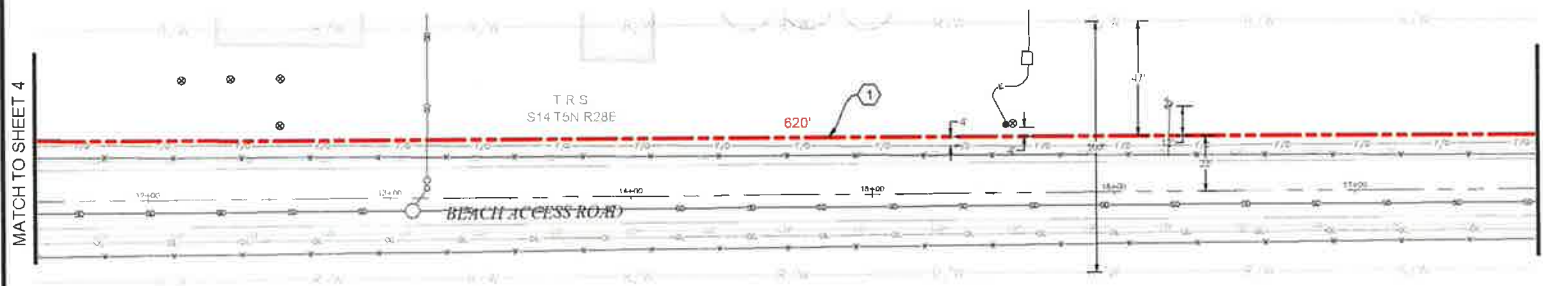
LINE OF SIGHT MARKERS REQUIRED EVERY 500'

ADD 1' OF COMPACT GRAVEL AND WIRE MESH ON THE FLOOR OF EACH VAULT.

NO	DATE	ENGINEER	DRAFTER	COMMENT
2	3/1/18	BB	CH	AS-BUILT REVISION # 1
1	9/13/17	LS	GW	ORIGINAL

**zayo GROUP** **MGE**

ZAYO ENGINEER DAN BARR, C.E.  
 ENGINEER FROM MGT. TECHNOLOGICAL CONSULTING INC.  
 PROJECT NUMBER  
 LOCATION: 735 WILLAMETTE ST  
 UMATILLA, OR 97882  
 DRAWING FRAME: 2017-03-01 10:48:10 AM TO 2018-03-01 10:48:10 AM  
 PLANS.dwg  
 CONFIDENTIAL PROPRIETARY SHEET 4 OF 20

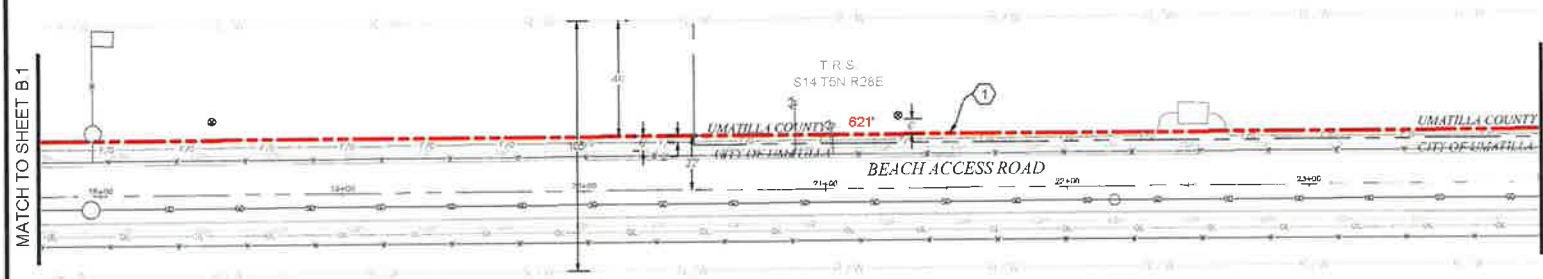


CITY OF UMATILLA  
UMATILLA COUNTY

T R S  
S13 T5N R28E



PLAN VIEW B.1



CITY OF UMATILLA  
UMATILLA COUNTY

T R S  
S13 T5N R26E



PLAN VIEW B.2

**CONSTRUCTION NOTES**

1 PROPOSED NEW (27) 2" CONDUITS AND (1) 1 1/2" CONDUITS. PULL FIBER CABLE THROUGH. REPAIR SURFACE PER LOCAL JURISDICTION STANDARDS. CONTRACTOR TO PATCH UTILITIES PRIOR TO CONSTRUCTION.

**CONTRACTOR NOTES**

LINE OF SIGHT MARKERS REQUIRED EVERY 500'

NO.	DATE	ENGINEER	DRAFTER	COMMENT
2	3/1/18	BB	CH	AS-BUILT REVISION # 1
1	9/13/17	LS	DM	ORIGINAL

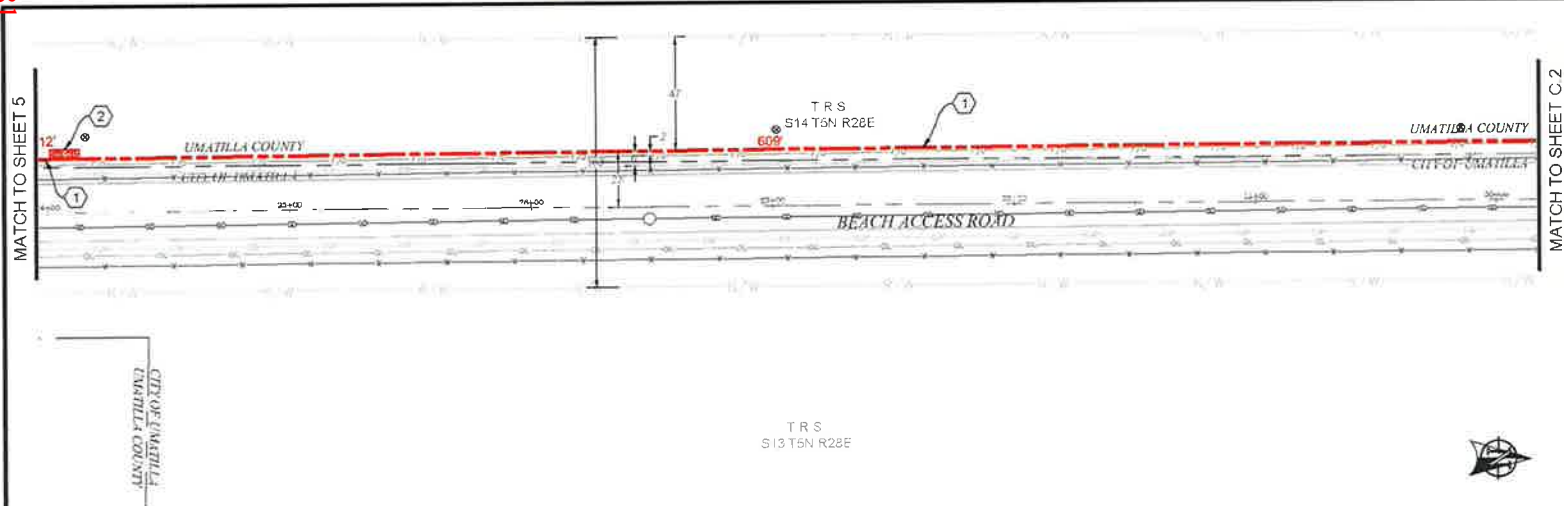
  

ZAYO ENGINEER: DAN BARCLAS			
ENGINEERING FIRM: MGC TECHNICAL CONSULTING INC			
PROJECT NUMBER:			
LOCATION: 709 WILLAMETTE ST UMATILLA OR 97182			
DRAWING FRAME: ZAYO - DRAWING TO UMATILLA - CITY OF UMATILLA PLANS			
CONFIDENTIAL/PROPRIETARY			

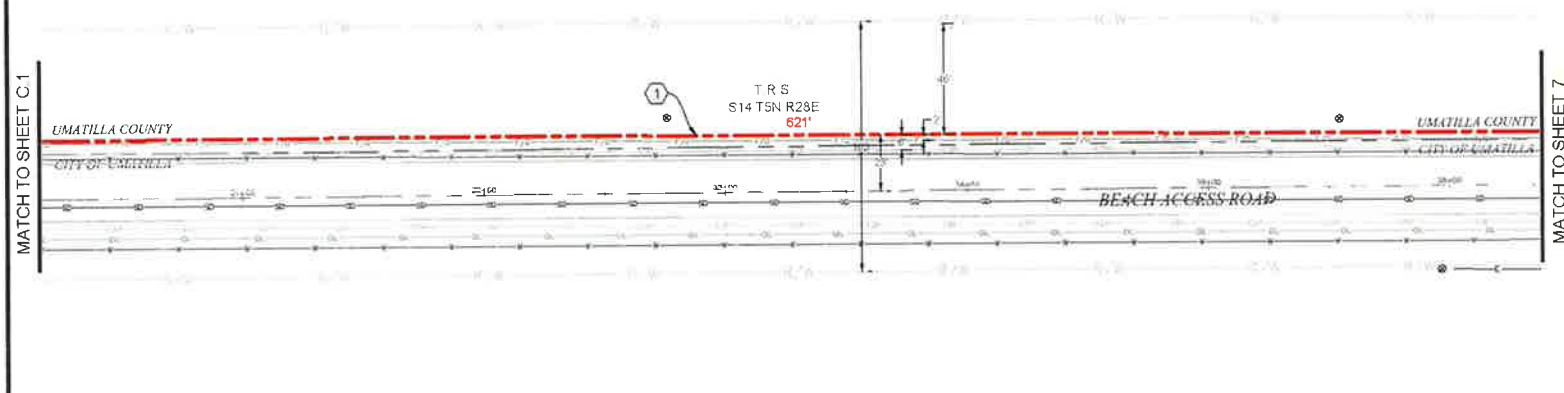
811

Know what's below.  
Call before you dig.

SCALE: 1"=50'



PLAN VIEW C.1



PLAN VIEW C.2

- CONSTRUCTION NOTES**
- ① PROPOSED NEW (27) 2" CONDUITS AND (1) 1 1/2" CONDUITS. PULL FIBER CABLE THROUGH. REPAIR SURFACE PER LOCAL JURISDICTION STANDARDS. CONTRACTOR TO PATCH UTILITIES PRIOR TO CONSTRUCTION.
  - ② PROPOSED PLACE (1) 30" X 48" BULK SERIES 7 VAULT. PROPOSED PLACE (1) 24" X 48" BULK SERIES 4 VAULT. PULL FIBER THROUGH. SEE VAULT DIAGRAM V-2 ON SHEET 18. SEE VAULT DETAILS ON SHEET 19.

**CONTRACTOR NOTES**

LINE OF SIGHT MARKERS REQUIRED EVERY 500'

ADD 1' OF COMPACT GRAVEL AND WIRE MESH ON THE FLOOR OF EACH VAULT.

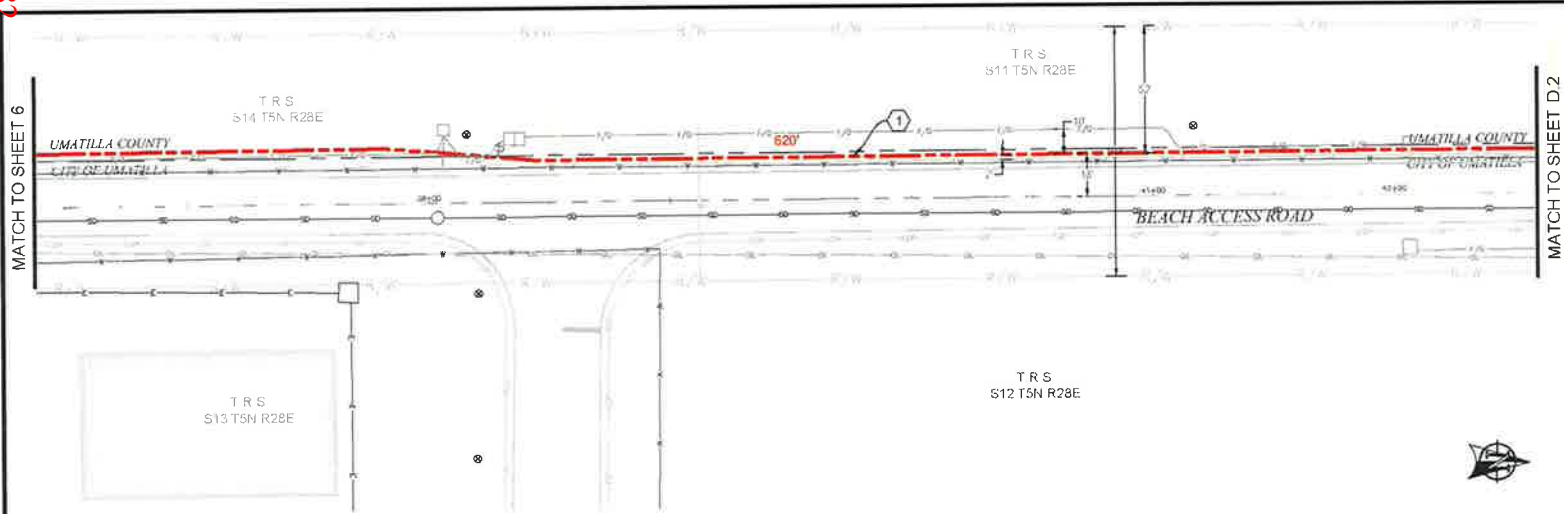
NO.	DATE	ENGINEER	DRAWER	REVISION #
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2	9/13/17	LS	DW	ORIGINAL

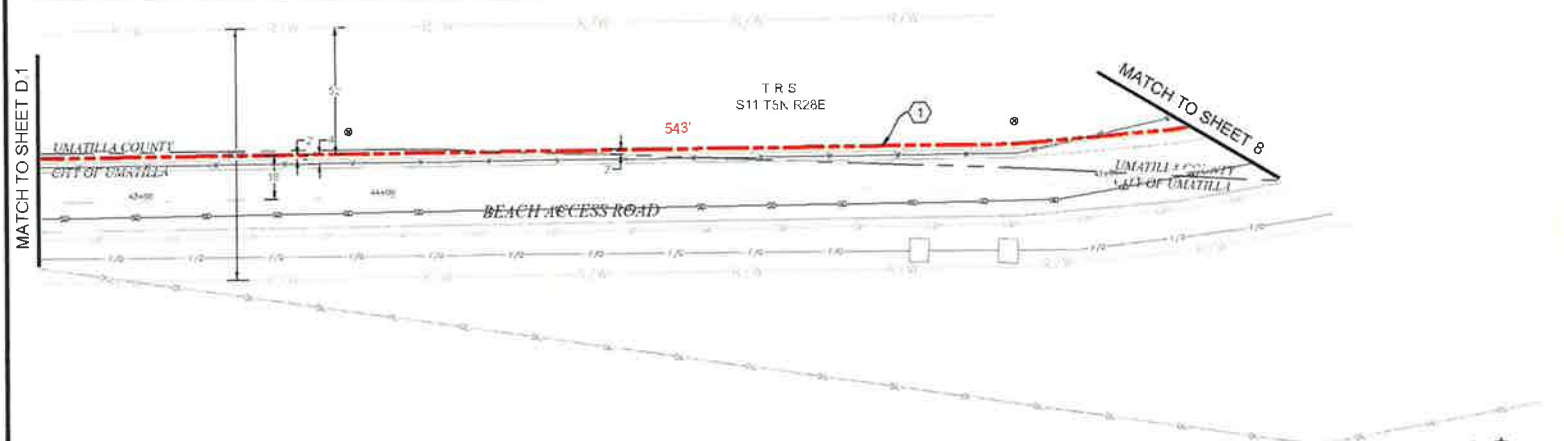
ZAYO ENGINEER: DAN BARCONE ENGINEERING FIRM: MGC TECHNICAL CONSULTING, INC. PROJECT NUMBER: LOCATION: 700 WILLAMETTE ST, UMATILLA, OR 97142 DRAWING FRAME: ZYO-D:\PROJECTS\UMATILLA-CITY OF UMATILLA-18-0001.dwg CONFIDENTIAL/PROPRIETARY			

Know what's below.  
Call before you dig.

SCALE: 1"=50'



PLAN VIEW D.1



PLAN VIEW D.2

**CONSTRUCTION NOTES**

1 PROPOSED NEW (27) 2" CONDUITS AND (1) 1 1/2" CONDUITS. PULL FIBER CABLE THROUGH. REPAIR SURFACE PER LOCAL JURISDICTION STANDARDS. CONTRACTOR TO POTHOLE UTILITIES PRIOR TO CONSTRUCTION.

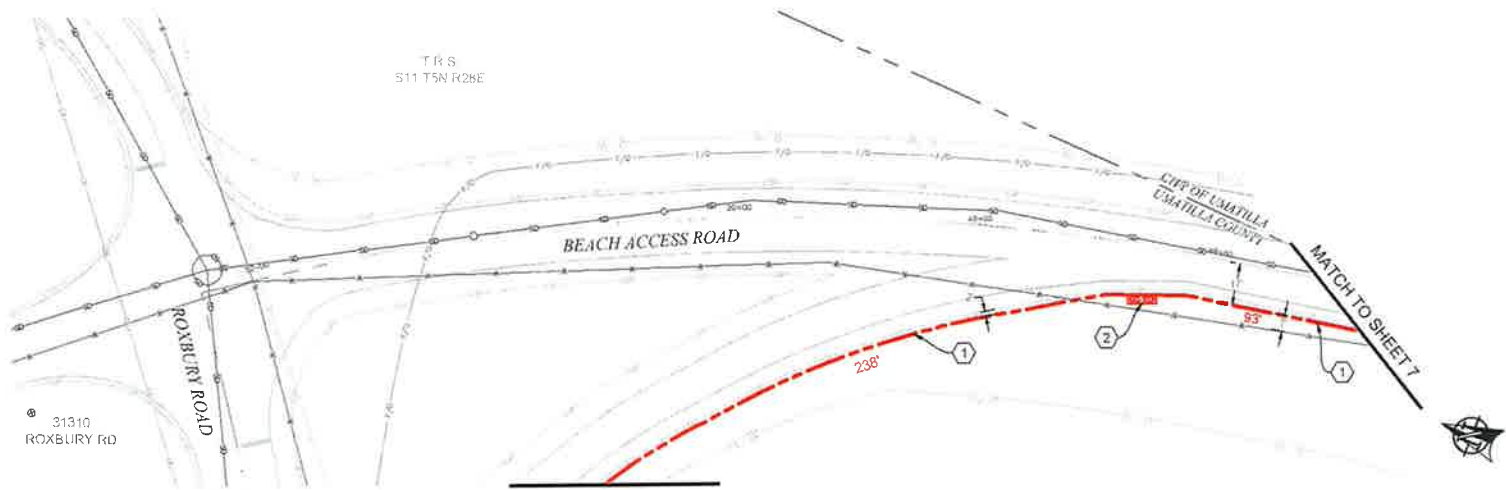
**CONTRACTOR NOTES**

LINE OF SIGHT MARKERS REQUIRED EVERY 500'

NO.	DATE	ENGINEER	DRAFTER	COMMENT
1	3/1/18	BB	CH	AS-BUILT REVISION # 1
2	9/13/17	LS	DW	ORIGINAL

<p>Know what's below. Call before you dig.</p>	<p>zayo GROUP</p>	<p>MGC</p>
ZAYO ENGINEER: EMIL BARCOAS ENGINEERING FIRM INC. TECHNICAL CONSULTING PROJECT NUMBER: LOCATION: 709 WILLOWETTE ST UMATILLA, OR 97152 DRAWING SCALE: 2" = 100' (MATCH TO UMATILLA CITY OF UMATILLA PLANS)		
SCALE: 1" = 50' 		SUSPENSORY PROPRIETARY SHEET 7 OF 20



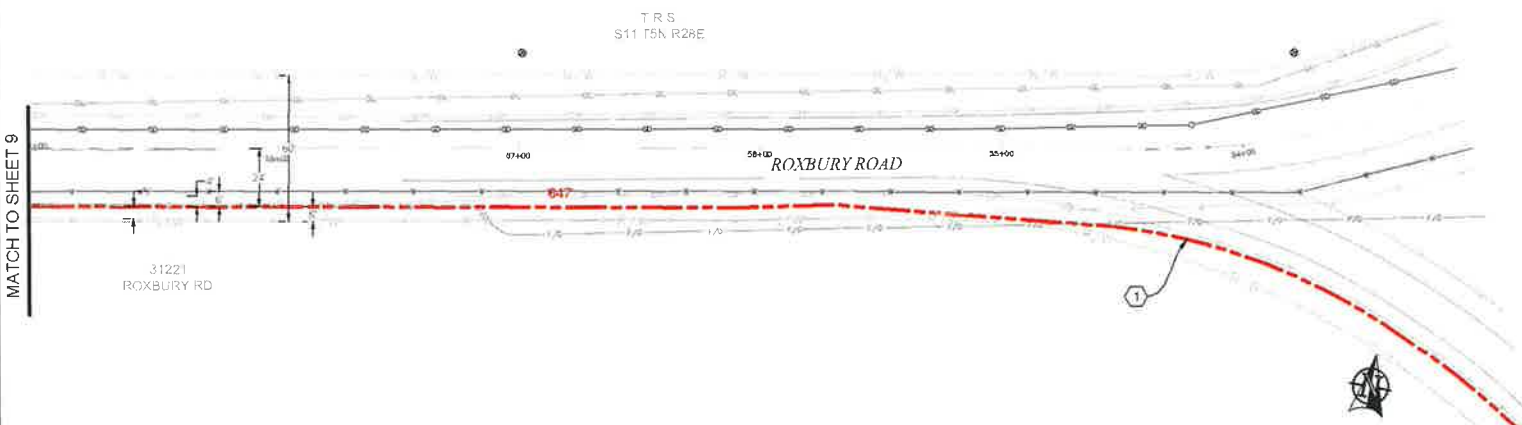
- CONSTRUCTION NOTES**
- ① PROPOSED NEW (27) 2" CONDUITS AND (1) 1 1/2" CONDUITS. PULL FIBER CABLE THROUGH. REPAIR SURFACE PER LOCAL JURISDICTION STANDARDS. CONTRACTOR TO POTHOLE UTILITIES PRIOR TO CONSTRUCTION.
  - ② PROPOSED PLACE (1) 30" X 48" BULK SERIES 7 VAULT. PROPOSED PLACE (1) 24" X 48" BULK SERIES 4 VAULT. PULL FIBER THROUGH. SEE VAULT DIAGRAM V-2 ON SHEET 18. SEE VAULT DETAILS ON SHEET 19.

**CONTRACTOR NOTES**

LINE OF SIGHT MARKERS REQUIRED EVERY 50'

ADD 1' OF COMPACT GRAVEL AND WIRE MESH ON THE FLOOR OF EACH VAULT.

PLAN VIEW E.1



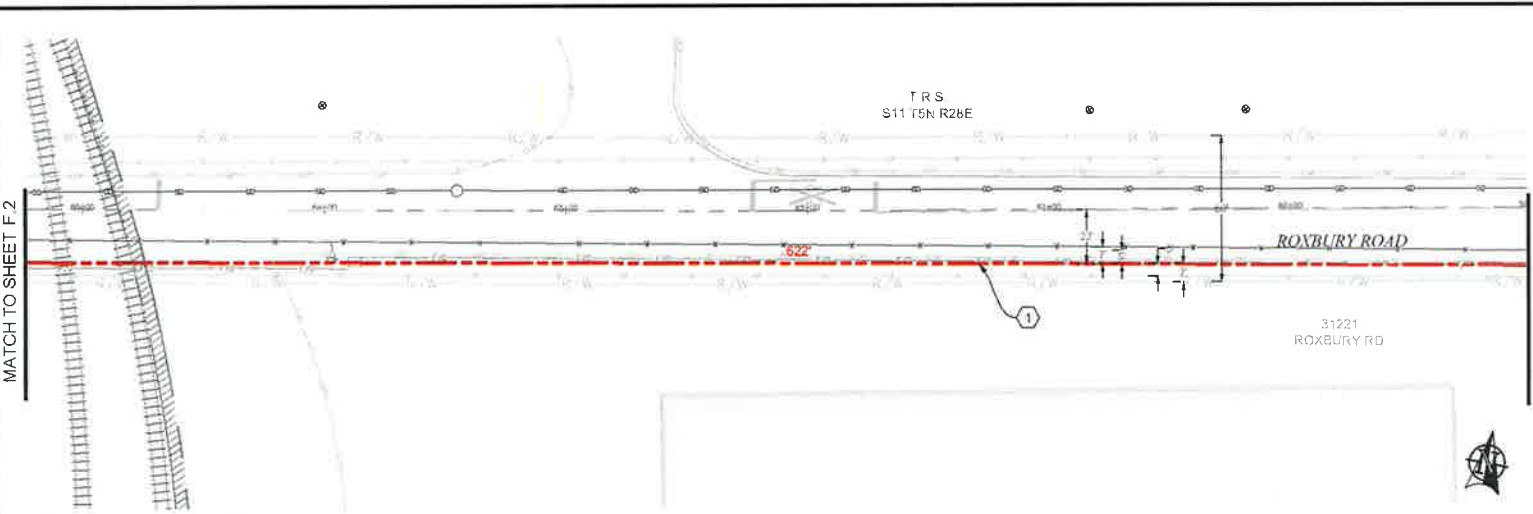
PLAN VIEW E.2



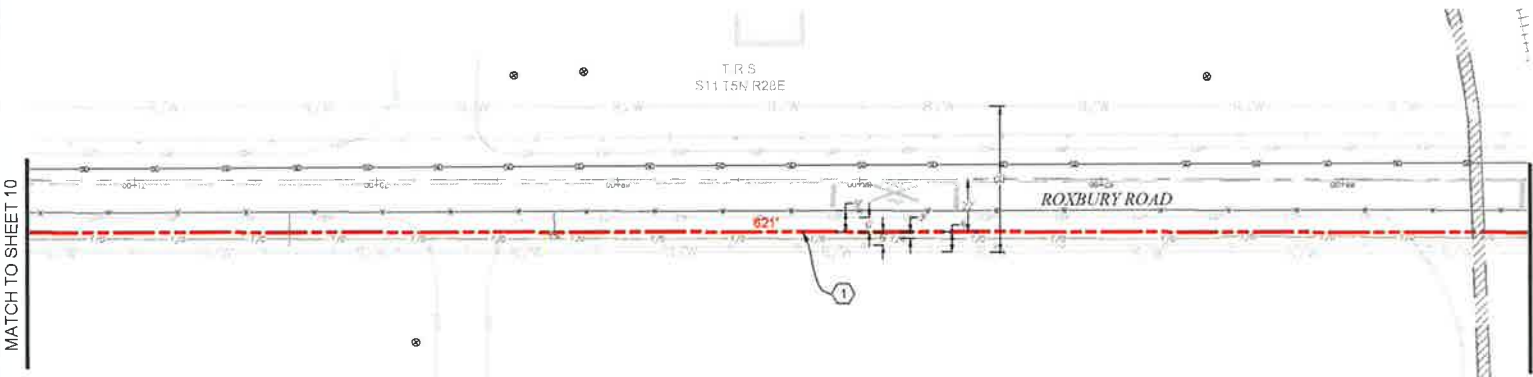
NO	DATE	ENGINEER	DRAWER	COMMENT
1	3/1/18	BB	CH	AS-BUILT REVISION # 1
2	9/13/17	LS	DM	ORIGINAL

<b>ZAYO GROUP</b>	<b>MGC</b>
ZAYO ENGINEER: EMU BAROCABE	TECHNICAL CONSULTING INC.
ENGINEERING FIRM: MGC TECHNICAL CONSULTING INC.	
PROJECT NUMBER:	
LOCATION: 705 WILLAMETTE ST UMATILLA, OR 97136	
DRAWING TITLE: ZAYO - OVERHEAD FIBER OPTIC - CITY OF UMATILLA	
DATE: 9/13/17	
DESIGNED BY: JAY	DRAWN BY: JAY
CHECKED BY: JAY	SCALE: 1"=50'
SHEET 3 OF 30	



PLAN VIEW F.1



PLAN VIEW F.2

**CONSTRUCTION NOTES**

1 PROPOSED NEW (27) 2" CONDUITS AND (1) 1 1/2" CONDUITS. PULL FIBER CABLE THROUGH. REPAIR SURFACE PER LOCAL JURISDICTION STANDARDS. CONTRACTOR TO POTHOLE UTILITIES PRIOR TO CONSTRUCTION.

**CONTRACTOR NOTES**

LINE OF SIGHT MARKERS REQUIRED EVERY 500'

NO.	DATE	ENGINEER	DRAWER	REVISION #	COMMENT
1	3/1/18	BB	CH	1	AS-BUILT
2	9/13/17	LS	DW	0	ORIGINAL

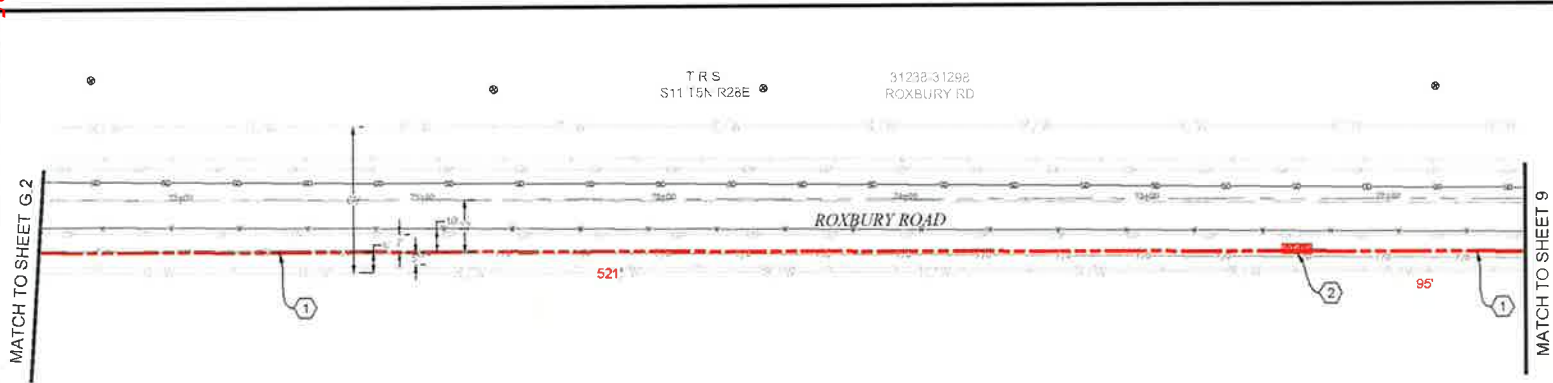
  

<b>zayo</b> GROUP		<b>MGE</b> TELECOMMUNICATIONS INC.	
ZAYO ENGINEER: DAN BAROCAL			
ENGINEER'S FIRM: M.V. TROVATI & ASSOCIATES			
PROJECT NUMBER:			
LOCATION: 705 WILMABETTE ST UMATELA, OR 97162			
DRAWING NAME: ZAYO - FIBER FROM TO UMATELA - CITY OF UMATELA - PLANS 800			
COORDINATE: PROJEKTARY			SHEET 5 OF 20

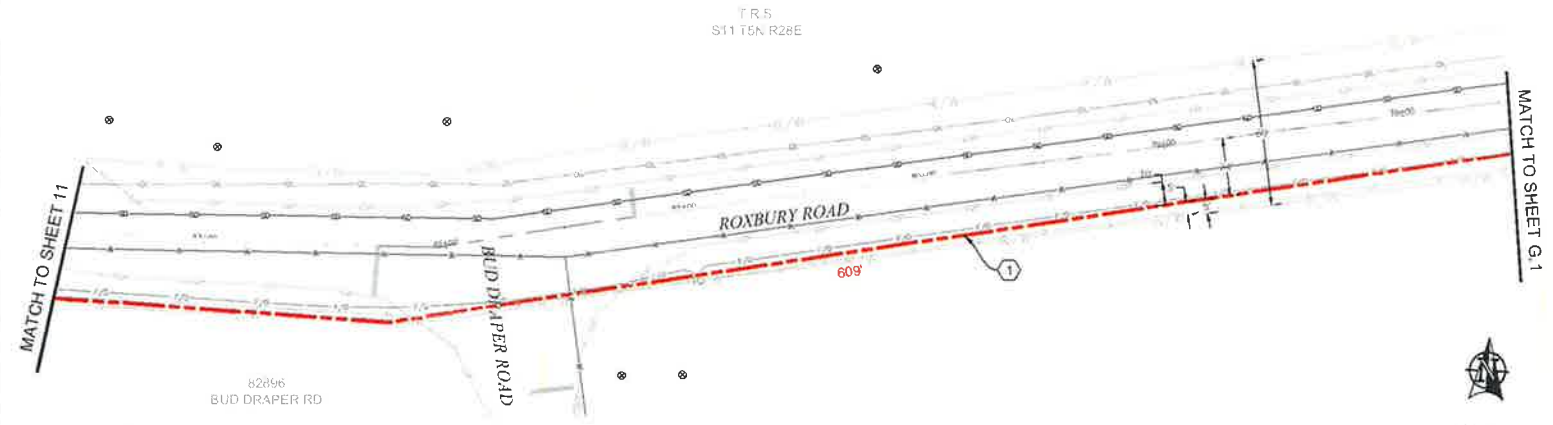
**811**  
Know what's below!  
Call before you dig

SCALE: 1"=50'





PLAN VIEW G.1



PLAN VIEW G.2

- CONSTRUCTION NOTES**
- ① PROPOSED NEW (27) 2" CONDUITS AND (1) 1 1/4" CONDUITS. PULL FIBER CABLE THROUGH. REPAIR SURFACE PER LOCAL JURISDICTION STANDARDS. CONTRACTOR TO POTHOLE UTILITIES PRIOR TO CONSTRUCTION.
  - ② PROPOSED PLACE (1) 30" X 48" BULK SERIES 7 VAULT. PROPOSED PLACE (1) 24" X 48" BULK SERIES 4 VAULT. PULL FIBER THROUGH. SEE VAULT DIAGRAM V-2 ON SHEET 1B. SEE VAULT DETAILS ON SHEET 1B.

**CONTRACTOR NOTES**

LINE OF SIGHT MARKERS REQUIRED EVERY 500'

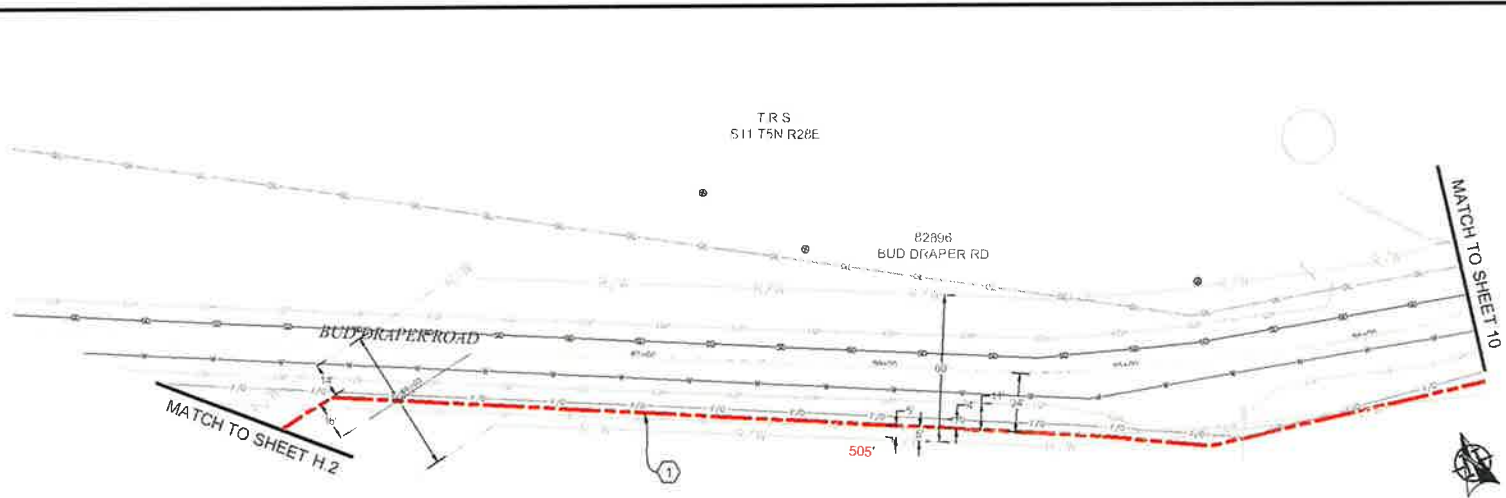
ADD 1' OF COMPACT GRAVEL AND WIRE MESH ON THE FLOOR OF EACH VAULT.

NO	DATE	ENGINEER	DRAFTER	COMMENT
3				AS-BUILT
2	3/1/18	BB	CH	REVISION # 1
1	9/13/17	LS	DW	ORIGINAL

<b>811</b> Know what's below. Call before you dig.	<b>zayo</b> GROUP	<b>MGE</b> TECHNICAL CONSULTING INC
DRAWING ENGINEER: DAN BARLOWE		
ENGINEERING FIRM: MGT. TECHNICAL CONSULTING INC		
PROJECT NUMBER:		
LOCATION: 704 WILLAMETTE ST UMATILLA, OR 97582		
DRAWING TITLE: ZAYO DRAINAGE TO GRADE CA - CITY OF UMATILLA		
QUADRANTAL PROPERTY TAX		





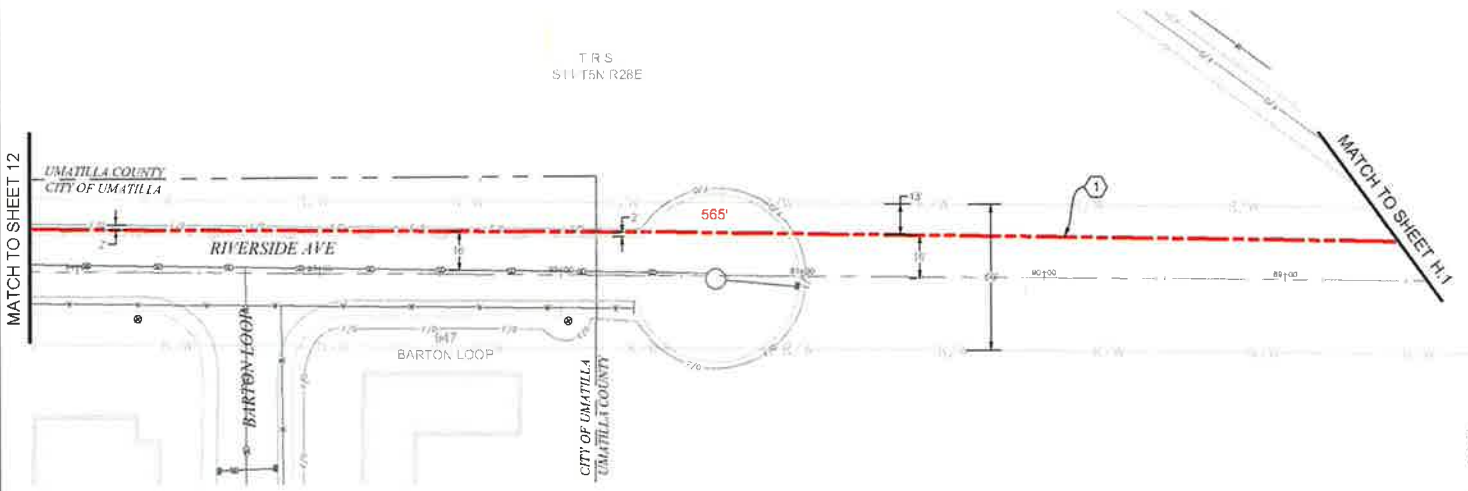
PLAN VIEW H.1

**CONSTRUCTION NOTES**

① PROPOSED NEW (27) 2" CONDUITS AND (1) 1 1/2" CONDUITS. PULL FIBER CABLE THROUGH. REPAIR SURFACE PER LOCAL JURISDICTION STANDARDS. CONTRACTOR TO POTHOLE UTILITIES PRIOR TO CONSTRUCTION.

**CONTRACTOR NOTES**

LINE OF SIGHT MARKERS REQUIRED EVERY 500'



PLAN VIEW H.2

1				AS-BUILT
2	3/1/18	BB	CH	REVISION # 1
1	9/13/17	LS	DW	ORIGINAL
REV	DATE	ENGINEER	DRAFTER	COMMENT

**811**  
Know what's below. Call before you dig.

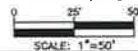
**ZAYO GROUP**  
ZAYO ENGINEER LARRY BARRONS  
ENGINEERING FIRM MGS TECHNICAL CONSULTING INC

**MGE**  
MGE GROUP

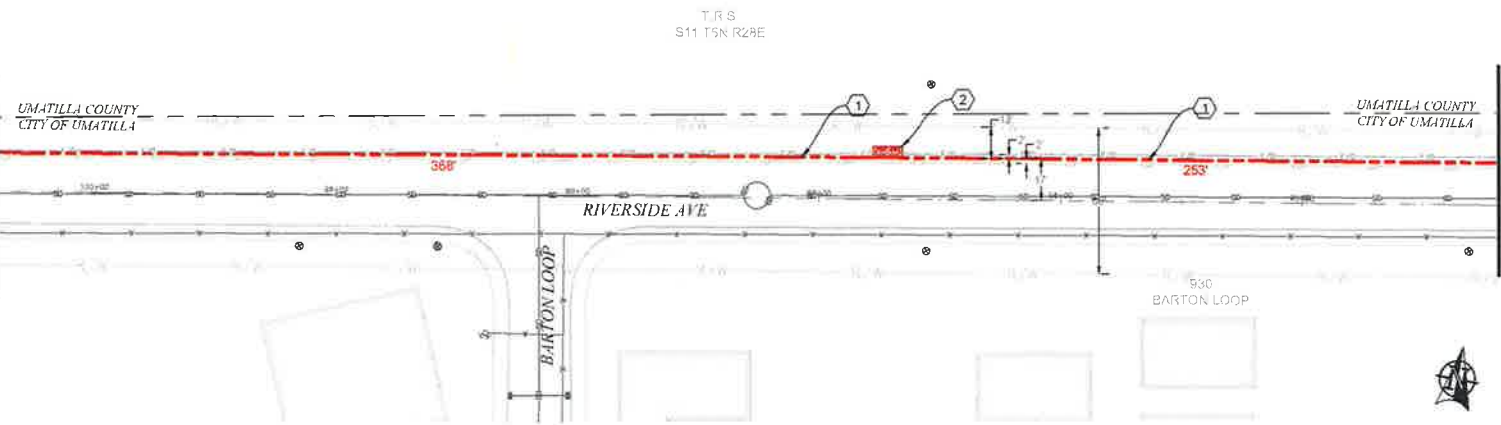
PROJECT NUMBER:  
LOCATION: 704 WILLAMETTE ST  
UMATILLA, OR 97482

DRAWING NAME: ZAYO - UMBRAN TO UMATILLA - CITY OF UMATILLA  
DATE: 9/13/17

CONFIDENTIAL - PROPRIETARY

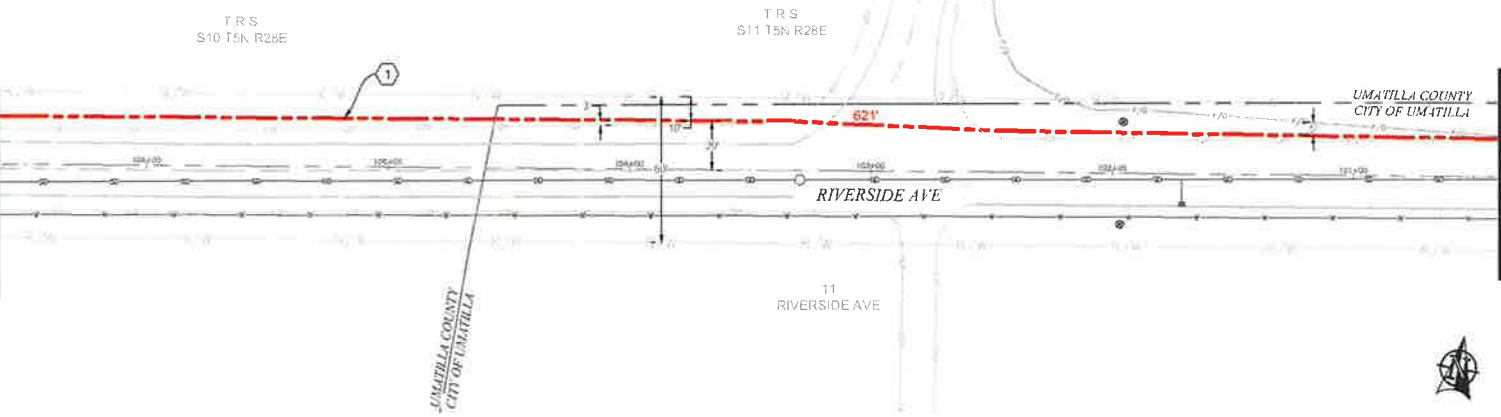


MATCH TO SHEET 12



PLAN VIEW I.1

MATCH TO SHEET 13



PLAN VIEW I.2

MATCH TO SHEET 11

CONSTRUCTION NOTES

- 1 PROPOSED NEW (27) 2" CONDUITS AND (1) 1 1/2" CONDUITS. PULL FIBER CABLE THROUGH. REPAIR SURFACE PER LOCAL JURISDICTION STANDARDS. CONTRACTOR TO POTHOLE UTILITIES PRIOR TO CONSTRUCTION.
- 2 PROPOSED PLACE (1) 30" X 48" BULK SERIES 7 VAULT. PROPOSED PLACE (1) 24" X 48" BULK SERIES 4 VAULT. PULL FIBER THROUGH. SEE VAULT DIAGRAM V-2 ON SHEET 18. SEE VAULT DETAILS ON SHEET 19.

CONTRACTOR NOTES

LINE OF SIGHT MARKERS REQUIRED EVERY 500'

ADD 1' OF COMPACT GRAVEL AND WIRE MESH ON THE FLOOR OF EACH VAULT.



**811**  
Know what's Below.  
Call before you dig.

SCALE: 1"=50'

NO.	DATE	ENGINEER	DRAFTER	COMMENT
1	3/1/18	BB	CH	AS-BUILT REVISION # 1
2	9/13/17	LS	DW	ORIGINAL

**zayo** GROUP  
TECHNICAL SUPPORT 800-441-4411

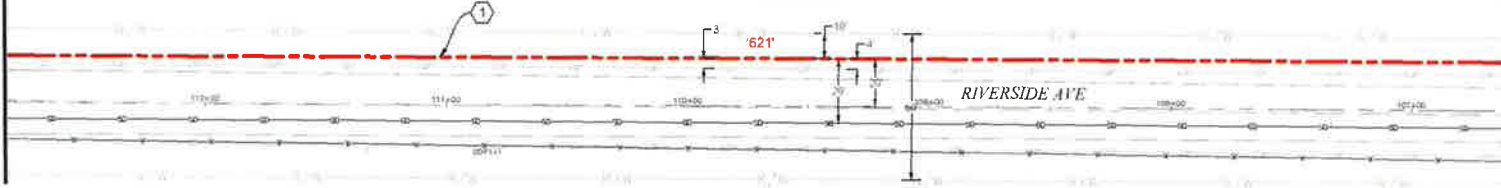
**MGC**  
TECHNICAL SUPPORT 800-441-4411

ZAYO ENGINEER: DAN BARRETT  
ENGINEERING FROM MEX. TECHNICAL CONSULTING INC.  
PROJECT NUMBER:  
LOCATION: 705 WILLAMETTE ST  
UMATILLA, OR 97382  
DRAWN BY: ZAYO ENGINEERING TO UMATILLA - CITY OF UMATILLA  
PLANS 188  
CONFIDENTIAL/PROPRIETARY SHEET 12 OF 20

MATCH TO SHEET J.2

MATCH TO SHEET J.2

T R S  
S10 T5N R26E



11  
RIVERSIDE AVE

**CONSTRUCTION NOTES**

1 PROPOSED NEW (2) 2" CONDUITS AND (1) 1 1/2" CONDUITS. PULL FIBER CABLE THROUGH. REPAIR SURFACE PER LOCAL JURISDICTION STANDARDS. CONTRACTOR TO POTHOLE UTILITIES PRIOR TO CONSTRUCTION.

**CONTRACTOR NOTES**

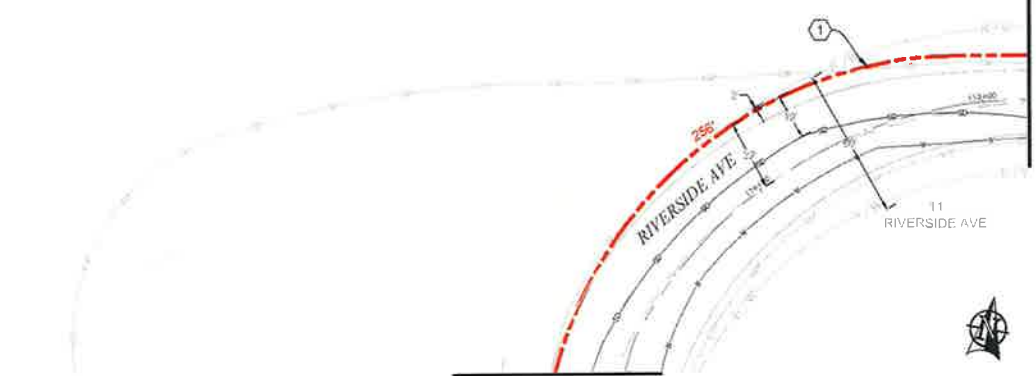
LINE OF SIGHT MARKERS REQUIRED EVERY 500'



PLAN VIEW J.1

T R S  
S10 T5N R26E

MATCH TO SHEET J.1



MATCH TO SHEET 14



PLAN VIEW J.2

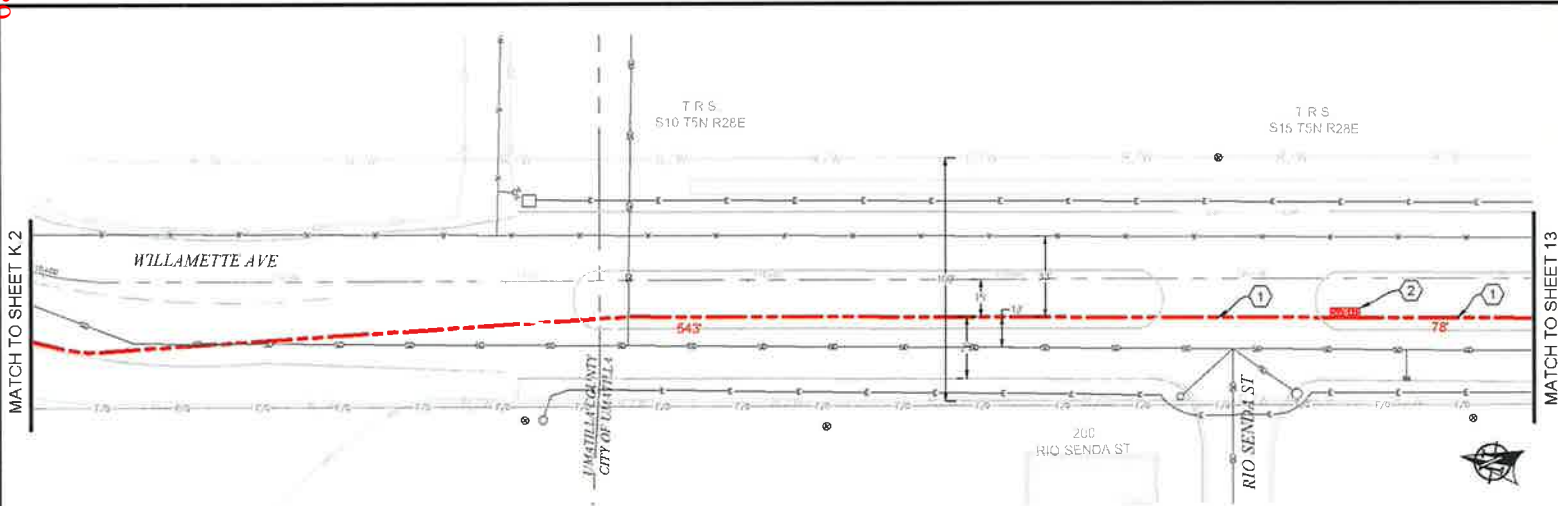
**811**  
Know what's below.  
Call before you dig.

SCALE: 1"=50'

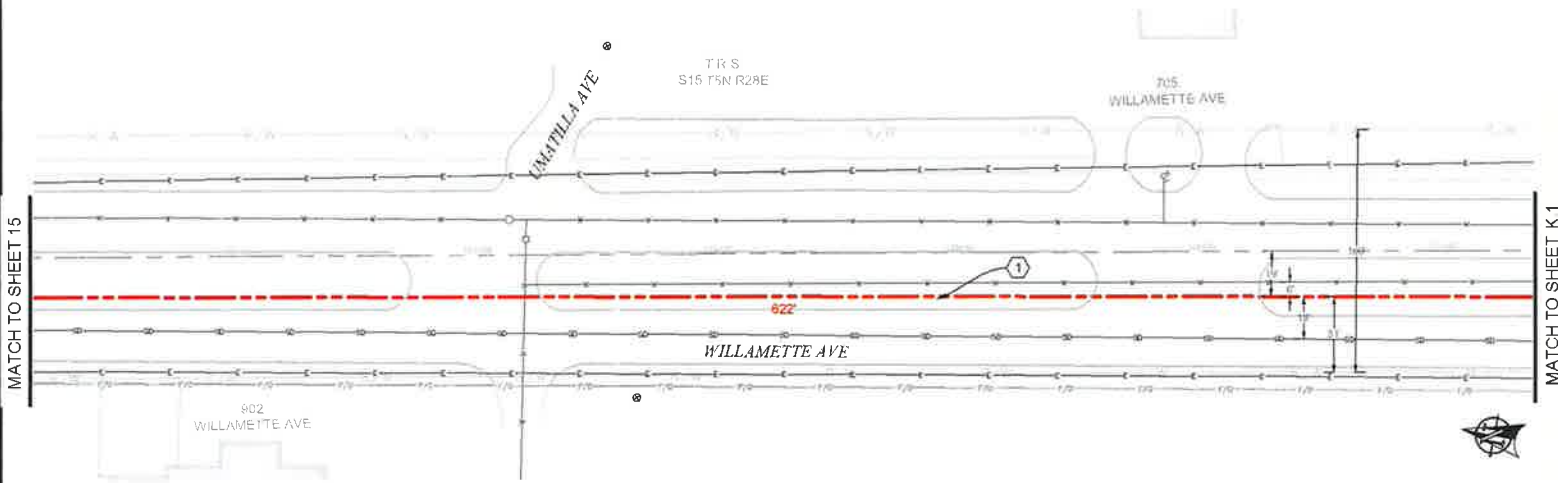
NO	DATE	ENGINEER	DRAWN	COMMENT
1	3/1/18	BS	CH	AS-BUILT REVISION # 1
1	9/13/17	LS	DM	ORIGINAL

**zayo GROUP** **MGE**  
INDUSTRIAL CONSTRUCTION INC.

ZAYO ENGINEER: DAN BARKER  
ENGINEERING FIRM: MGE TECHNICAL CONSULTING INC  
PROJECT NUMBER:  
LOCATION: TOY WILLAMETTE ST  
EMATELLA, OR 97137  
DRAWING NAME: ZAYO - DOWNDAWN TO UMATELLA - CITY OF UMATELLA  
PLANS - 844  
CONFIDENTIAL/PROPRIETARY SHEET 12 OF 20



PLAN VIEW K.1



PLAN VIEW K.2

- CONSTRUCTION NOTES**
- ① PROPOSED NEW (2) 2" CONDUITS AND (1) 1 1/2" CONDUITS. PULL FIBER CABLE THROUGH. REPAIR SURFACE PER LOCAL JURISDICTION STANDARDS. CONTRACTOR TO POT HOLE UTILITIES PRIOR TO CONSTRUCTION.
  - ② PROPOSED PLACE (1) 30" X 48" BULK SERIES 7 VAULT. PROPOSED PLACE (1) 24" X 48" BULK SERIES 4 VAULT. PULL FIBER THROUGH. SEE VAULT DIAGRAM V-2 ON SHEET 18. SEE VAULT DETAILS ON SHEET 19.

**CONTRACTOR NOTES**

LINE OF SIGHT MARKERS REQUIRED EVERY 500'

ADD 1' OF COMPACT GRAVEL AND WIRE MESH ON THE FLOOR OF EACH VAULT.

NO	DATE	ENGINEER	DRAFTER	COMMENT
2	3/1/18	BB	CH	AS-BUILT REVISION # 1
1	9/13/17	LS	OW	ORIGINAL

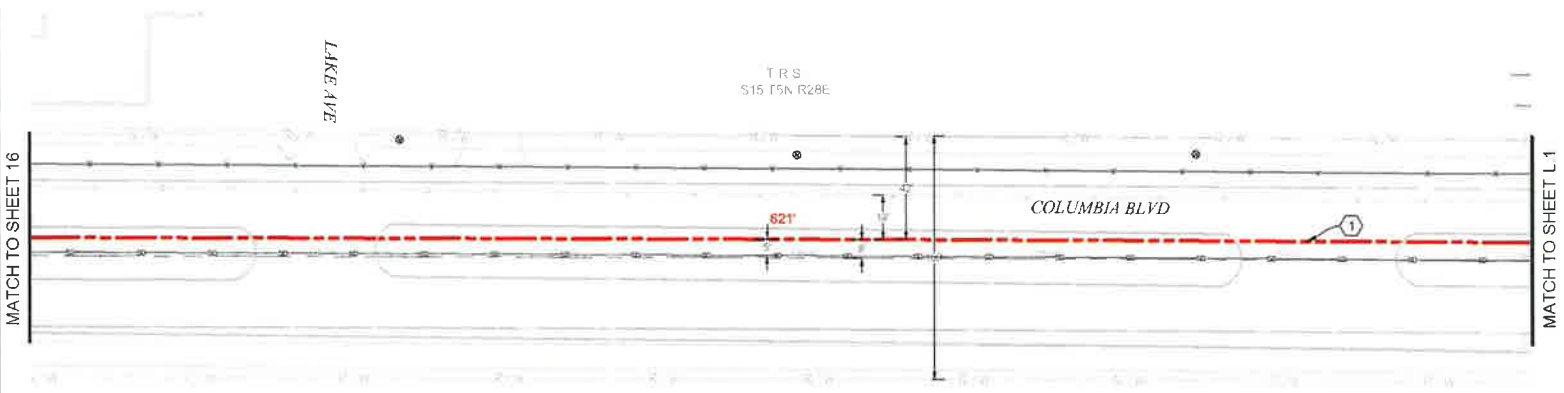
  

<b>811</b> Know what's below. Call before you dig.		<b>zayo</b> GROUP	<b>MGE</b> TECHNICAL CONSULTING INC
ZAYO ENGINEER: DAN BARCCOMB			
ENGINEERING FIRM: MGC TECHNICAL CONSULTING INC			
PROJECT NUMBER:			
LOCATION: 705 WILLAMETTE ST UMATILLA, OR 97182			
DRAWN BY: ZAYO (DWG) DRAWN BY: UMATILLA CITY OF UMATILLA			
DATE: 3/1/18			
CONFIDENTIAL PROPOSED PLAN SHEET 14 OF 20			





PLAN VIEW L.1



PLAN VIEW L.2

**CONSTRUCTION NOTES**

1 PROPOSED NEW (27) 2" CONDUITS AND (1) 1 1/4" CONDUITS. PULL FIBER CABLE THROUGH. REPAIR SURFACE PER LOCAL JURISDICTION STANDARDS. CONTRACTOR TO PATCH POTHOLE UTILITIES PRIOR TO CONSTRUCTION.

**CONTRACTOR NOTES**

LINE OF SIGHT MARKERS REQUIRED EVERY 500'

NO	DATE	ENGINEER	DRAFTER	COMMENT
1	9/13/17	LS	DW	ORIGINAL
2	3/1/18	DB	CH	REVISION # 1

AS-BUILT

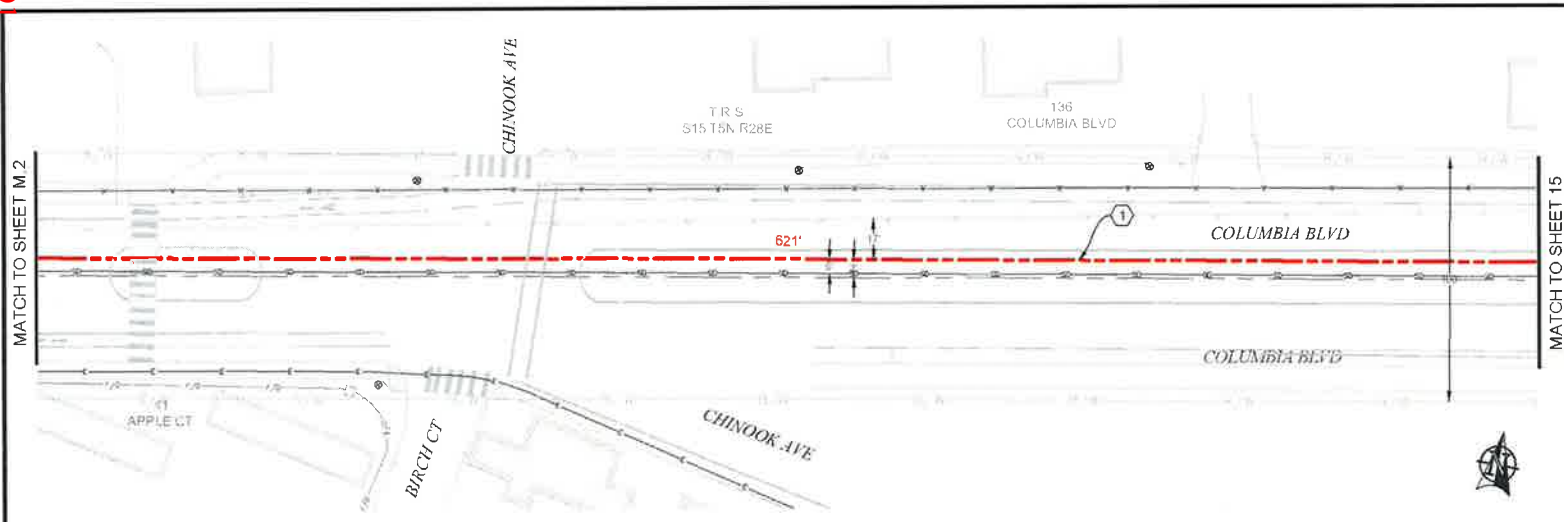
**zayo** **MGG**

zayo ENGINEER: DAN BARKER  
 EXISTING FROM MGC TECHNICAL CONSULTING  
 PROJECT NUMBER: 109 WILLAMETTE ST  
 LOCATION: 109 WILLAMETTE ST  
 PORTLAND, OR 97202  
 DRAWING SCALE: ZAYO FOUNDATION TO UNITS: CITY OF PORTLAND  
 PROJECT: 109  
 CONFIDENTIAL AND PROPRIETARY SHEET 10 OF 35

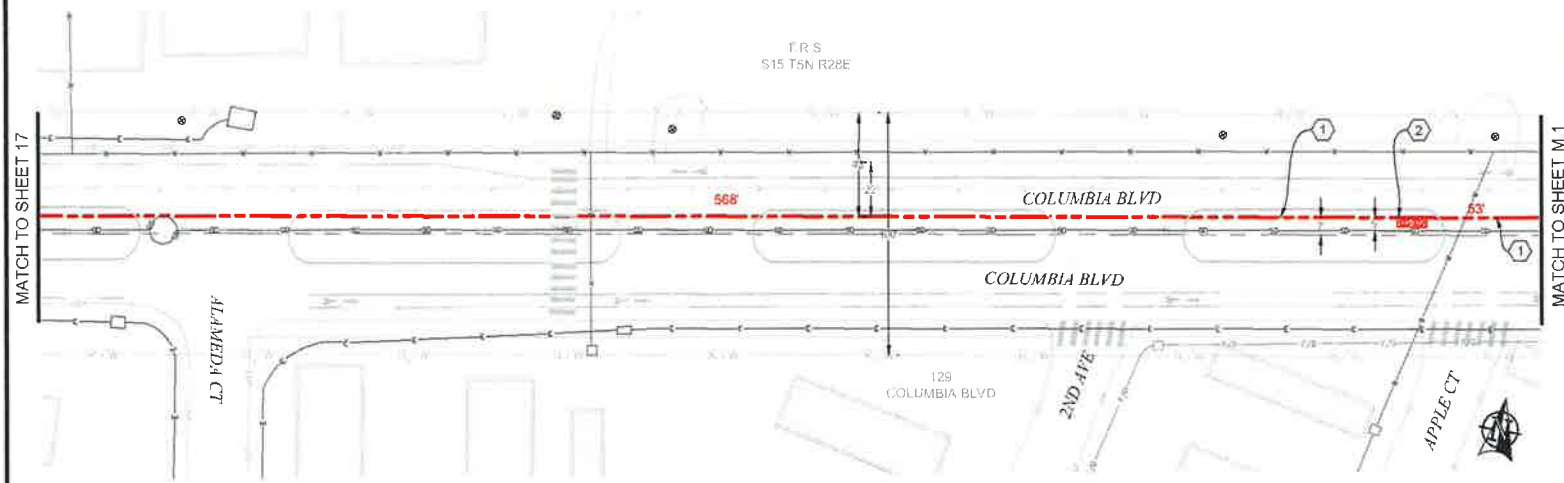
811

Know what's below.  
Call before you dig.

SCALE: 1"=50'



PLAN VIEW M.1



PLAN VIEW M.2

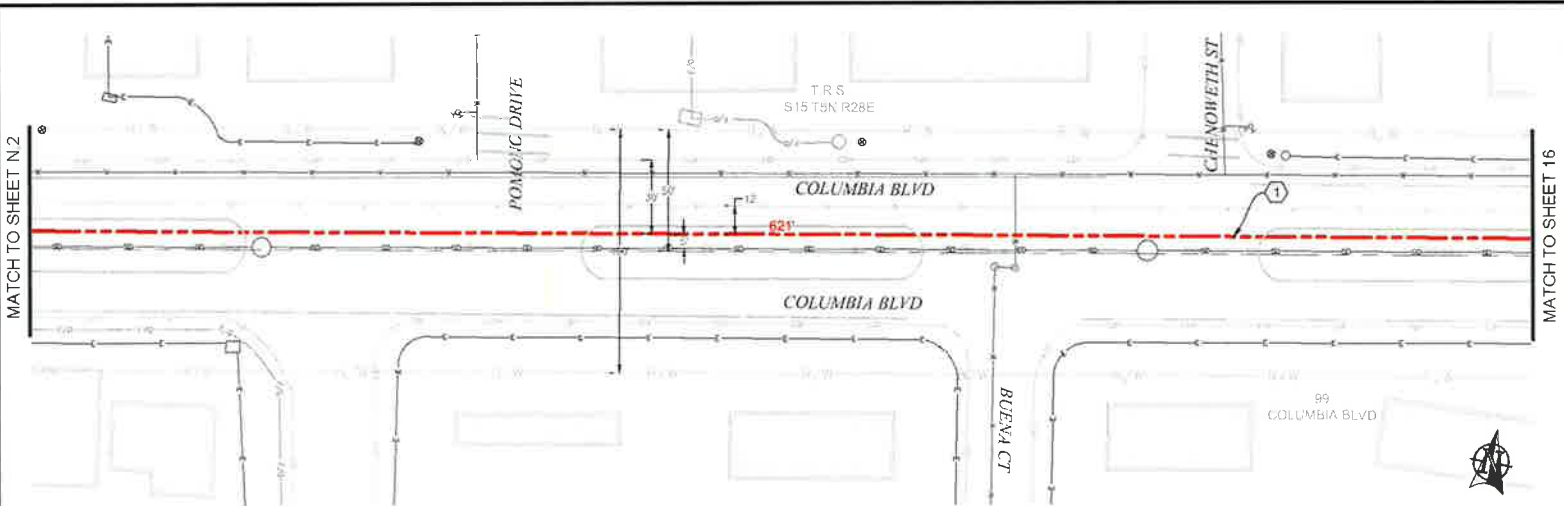
- CONSTRUCTION NOTES**
- ① PROPOSED NEW (27) 2" CONDUITS AND (1) 1 1/4" CONDUITS. PULL FIBER CABLE THROUGH. REPAIR SURFACE PER LOCAL JURISDICTION STANDARDS. CONTRACTOR TO POTHOLE UTILITIES PRIOR TO CONSTRUCTION.
  - ② PROPOSED PLACE (1) 30" X 48" BULK SERIES 7 VAULT. PROPOSED PLACE (1) 24" X 48" BULK SERIES 4 VAULT. PULL FIBER THROUGH. SEE VAULT DIAGRAM V-2 ON SHEET 18. SEE VAULT DETAILS ON SHEET 19.

**CONTRACTOR NOTES**

LINE OF SIGHT MARKERS REQUIRED EVERY 500'

ADD 1" OF COMPACT GRAVEL AND WIRE MESH ON THE FLOOR OF EACH VAULT.

3				AS-BUILT
2	3/1/18	BB	OH	REVISION # 1
1	9/15/17	LS	OW	ORIGINAL
NO	DATE	ENGINEER	DRAFTER	COMMENT
		<b>zayo</b>		<b>MGC</b>
ZAYO GROUP				
ZAYO GROUP INC. 1201 BARCLAY				
ENGINEERING FROM MGC TECHNICAL CONSULTING INC.				
PROJECT NUMBER				
LOCATION: 700 WILLAMETTE ST				
UMATILLA OR 97182				
DRAWING FRAME: ZAYO - OREGONIAN TO UMATILLA - CITY OF UMATILLA				
PLANS.dwg				
CORPORATE/ALPHANUMERICALLY SHEET 18 OF 20				



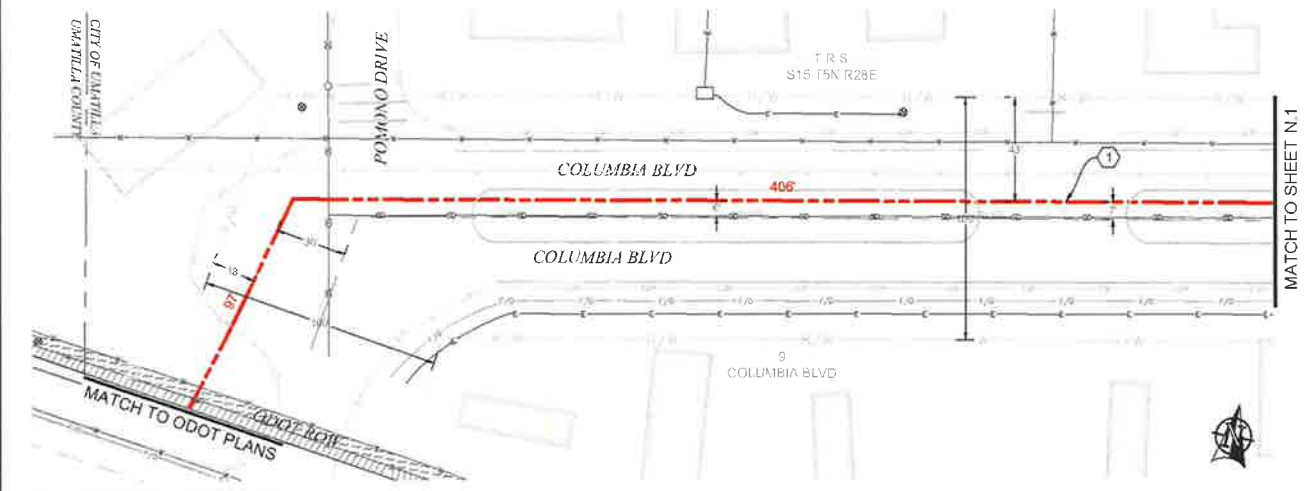
PLAN VIEW N.1

**CONSTRUCTION NOTES**

1 PROPOSED NEW (27) 2" CONDUITS AND (1) 1 1/2" CONDUITS. PULL FIBER CABLE THROUGH. REPAIR SURFACE PER LOCAL JURISDICTION STANDARDS. CONTRACTOR TO POTHOLE UTILITIES PRIOR TO CONSTRUCTION.

**CONTRACTOR NOTES**

LINE OF SIGHT MARKERS REQUIRED EVERY 500'

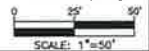


PLAN VIEW N.2

NO.	DATE	ENGINEER	DRAFTER	COMMENT
3				AS-BUILT
2	3/1/18	BB	CH	REVISION # 1
1	9/15/17	LS	DW	ORIGINAL

<b>811</b> Know what's Below Call before you dig	<b>Zayo Group</b> ZAYO ENTERPRISES - DATA CENTER CABLE ENGINEERING FROM 3M/7 TECHNICAL CENTER TRIVOLI, NC	<b>MGC</b> MIDWEST CONSULTING GROUP, INC. PROFESSIONAL ENGINEERS AND ARCHITECTS
PROJECT NUMBER: 1704		
LOCATION: 104 WILANETTE ST UMATILLA, OR 97557		
DRAWN BY: TUNSE ZAYO - DATA CENTER TO UMATILLA - CITY OF UMATILLA		
CHECKED BY: [blank]		
COMPONENTS: [blank]		
SCALE: 1"=50'		SHEET 11 OF 20





# VAULT DETAILS

## BODY SPECIFICATIONS

Cover Weight 50 lbs [23 kg]  
 Pit Weight 82 lbs [37 kg]  
 Assembled Weight 132 lbs [60 kg]

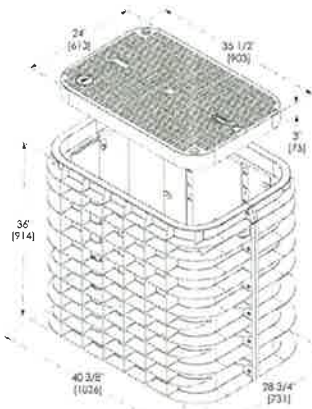
Drawing shown with:



Composite Cover



**BULK 4** Vault Body  
 36" (914 mm) Depth  
 Shown



TYPICAL BULK - SERIES 4 VAULT DETAIL

SCALE: NTS

## BODY SPECIFICATIONS

Cover Weight (Composite Cover) 50 lbs [23 kg]  
 Pit Weight 129 lbs [59 kg]  
 Assembled Weight 229 lbs [105 kg]

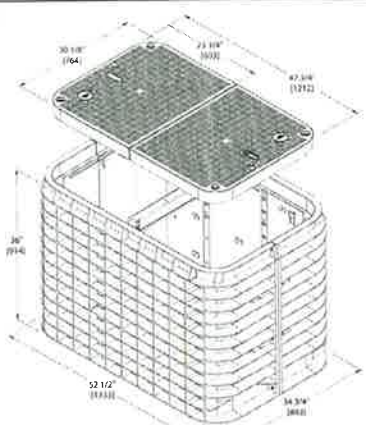
Drawing shown with:



Composite Cover

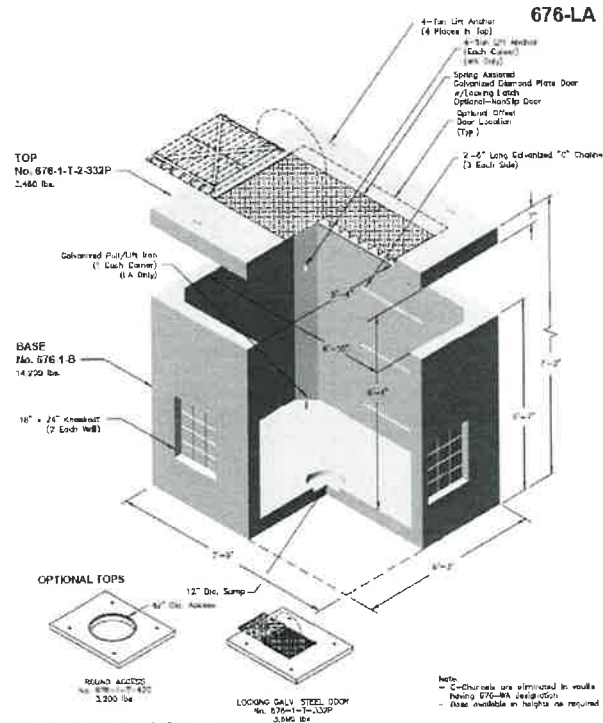


**BULK 7** Vault Body  
 36" (914 mm) Depth  
 Shown



TYPICAL BULK - SERIES 7 VAULT DETAIL

SCALE: NTS



Note: Designed for 0 to 5'-0" of Cover



676-LA  
 File Name: 000-676-LA  
 Issue Date: 2016  
 oldcastleprecast.com/wilco/villa

676-LA  
 5 x 6  
 POWER WATER GAS

TYPICAL 676LA VAULT

SCALE: NTS



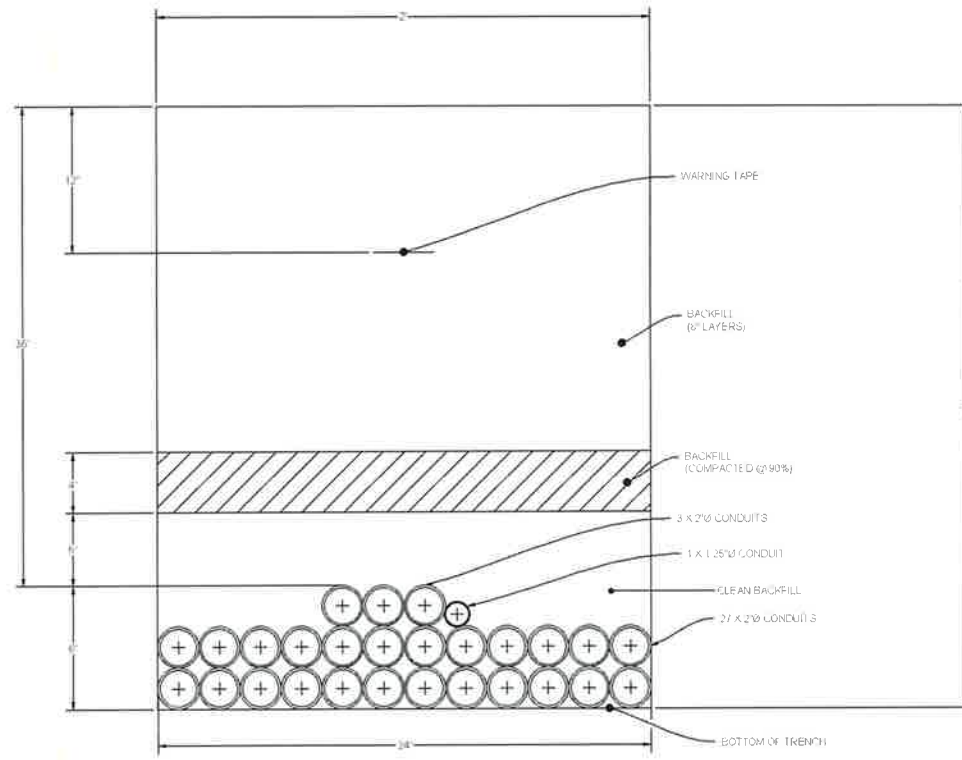
Know what's below.  
 Call before you dig.

NO	DATE	ENGINEER	DRAFTER	COMMENT
2	3/1/16	BB	CH	AS-BUILT REVISION # 1
1	9/13/17	LS	DN	ORIGINAL

<b>ZAYO GROUP</b>		<b>MGE</b>	
ZAYO ENGINEER - DIAN BARROCA			
ENGINEERING FIRM - WCC TECHNICAL CONSULTING INC			
PROJECT NUMBER			
LOCATION: 705 WILLAMETTE ST UMATILLA, OR 97162			
DRAWING NAME: ZAYO - FORWARD TO UMATILLA - 101' OF UMATILLA			
STATUS: 101' OF UMATILLA			
CONFIDENTIAL/PROPRIETARY			
			SHEET 18 OF 20

# DUCT SYSTEM DETAILS



**DUCT BANK TRENCH DETAIL #1**  
SCALE: NTS

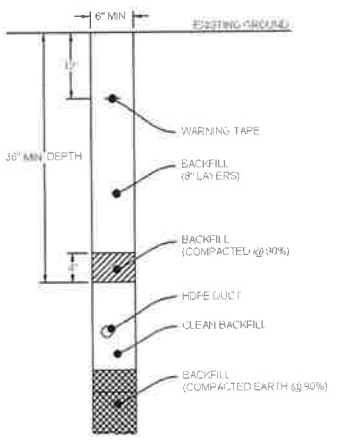


NO	DATE	ENGINEER	DRAFTER	COMMENT
1	3/1/18	BB	CH	AS-BUILT REVISION # 1
2	9/13/17	LS	DM	ORIGINAL

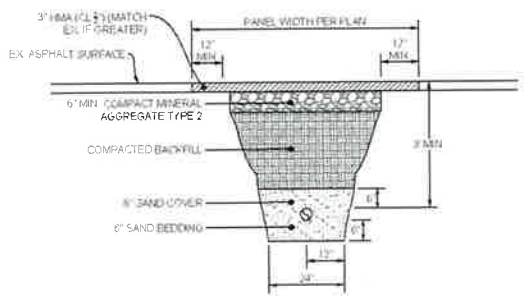
  

<b>zayo</b> GROUP		<b>MGE</b> TECHNICAL CONSULTING INC	
ZAYO PROJECT: OAH BANK CASE			
ENGINEERING FIRM: MGC TECHNICAL CONSULTING INC			
PROJECT NUMBER:			
LOCATION: 704 WILLAMETTE ST UMATILLA, OR 97882			
ENGINEER/DATE: ZAYO - 01/11/2017 TO UMATILLA, CITY OF UMATILLA, OR			
CONFIDENTIAL/PROPRIETARY			

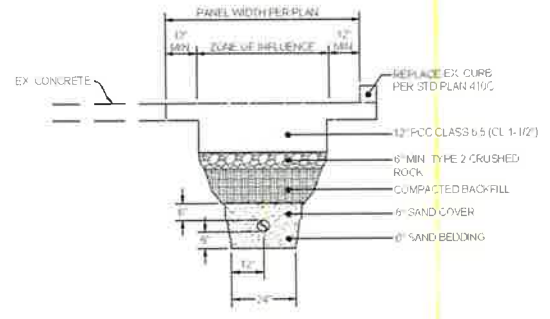
# UNDERGROUND TYPICALS



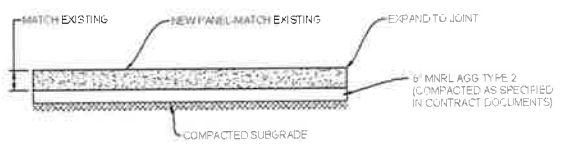
**TYPICAL TRENCH IN SOIL DETAIL**  
SCALE: NTS



**TYPICAL PATCH TRENCH DETAIL**  
SCALE: NTS



**TYPICAL CONCRETE TRENCH DETAIL**  
SCALE: NTS



**TYPICAL CONCRETE PANEL CROSS SECTION DETAIL**  
SCALE: NTS



Know what's below.  
Call before you dig.

NO	DATE	ENGINEER	DRAFTER	COMMIT
2	3/1/18	BB	CH	AS-BUILT
1	9/13/17	LS	DW	REVISION # 1 ORIGINAL

**zayo** GROUP  
ENGINEERING FIRM MGC TECHNICAL CONSULTING INC  
PROJECT NUMBER  
LOCATION: 709 WILLAMETTE ST  
UMATILLA, OR 97182  
DRAWING TITLE: ZAYO - EXPANSION TO UMATILLA - CITY OF UMATILLA  
DATE: 09/13/17  
CONFIDENTIAL/PROPRIETARY

ADDRESS: 82353 MUNGER LANE, UMATILLA, OR 97882

PROJECT NAME: BOARDMAN TO UMATILLA - CITY OF UMATILLA - SEG A2 - EAST LATERAL - BULK CONDUIT



## SITE LOCATION BILL OF MATERIALS

NEW AERIAL	=	0 FT.
OVERLASH	=	0 FT.
NEW UNDERGROUND	=	2,050 FT.
EXISTING UNDERGROUND	=	0 FT.
RISERS	=	0 FT.
ISP	=	0 FT.
TOTAL FOOTAGE	=	2,050 FT.

### CONTACTS

ZAYO CONTACT:  
DAN BARCUMB  
22651 83RD AVE S  
KENT WA 98032  
C 509 727 3345  
DAN.BARCUMB@ZAYO.COM

BRYSON BAILY  
MGC TECHNICAL CONSULTING, INC.  
6244 185TH AVE NE  
REDMOND, WA 98052  
C 206.799.3001  
BRYSON@MGCTECHNICAL.COM

### SHEET INDEX

1. COVER SHEET / SITE LOCATION
2. LEGEND
3. GENERAL NOTES
- 4-5. PLAN VIEWS A-B
6. DUCT SYSTEM DETAILS
7. UNDERGROUND TYPICALS

### SCOPE OF WORK:

PLACE CONDUIT AND VAULTS SOUTH ON THE EAST SIDE OF WILDWOOD LN. FROM THE SOUTH WEST CORNER OF HWY 730 AND WILDWOOD LN TO SEG A2 EAST LATERAL UMATILLA COUNTY PLANS. PULL FIBER CABLE THROUGHOUT



NO.	DATE	ENGINEER	DRAFTER	REVISION #	COMMENT
1	3/1/18	DB	RM	1	ORIGINAL




ZAYO ENGINEER: DAN BARCUMB  
 ENGINEERING FIRM: MGC TECHNICAL CONSULTING, INC.  
 PROJECT NUMBER:  
 LOCATION: 82353 MUNGER LANE, UMATILLA, OR 97882  
 DRAWING TITLE: ZAYO - BOARDMAN TO UMATILLA - EAST LATERAL - UMATILLA CITY PLANS.dwg  
 CONFIDENTIAL PROPRIETARY

# LEGEND

## LINETYPES

	AERIAL FIBER - EXISTING
	AERIAL FIBER - ATTACH
	AERIAL FIBER - OVERLASH
	STRAND - EXISTING
	STRAND - PROPOSED
	CONDUIT - EXISTING
	CONDUIT - PROPOSED
	INNERDUCT - EXISTING
	INNERDUCT - PROPOSED
	GAS
	WATER
	TELEPHONE
	FIBER OPTIC
	ELECTRIC
	SANITARY SEWER (SEW)
	STORM DRAIN
	CABLE TV
	STEAM
	OIL
	UNKNOWN UTILITY
	FENCE
	RIGHT OF WAY
	EDGE OF PAVEMENT

## ABBREVIATIONS

ASW	ASPHALT SIDEWALK
BIP	BLACK IRON PIPE
BSP	BLACK STEEL PIPE
CSW	CONCRETE SIDEWALK
ELECT.	ELECTRIC
EOP	EDGE OF PAVEMENT
EOTW	EDGE OF TRAVEL WAY
FOC	FACE OF CURB
F/O	FIBER OPTIC
HDPE	HIGH DENSITY POLYETHYLENE
HH	HANDHOLE
JB	JUNCTION BOX
MH	MANHOLE
MP	MILE POST
O/S	OFFSET
PR	POWER RISER
PVC	POLY VINYL CHLORIDE
RGS	RIGID GALVANIZED STEEL CONDUIT
ROW	RIGHT OF WAY
SEW	SANITARY SEWER
SD	STORM DRAIN
STA.	STATION
STM	STEAM
TEL	TELECOM

## SYMBOLS

	RISER - EXISTING		TRANSMISSION/DISTRIBUTION POLE
	RISER - PROPOSED		TRANSMISSION POLE
	CATCH BASIN/INLET (RECTANGULAR)		DISTRIBUTION POLE
	CATCH BASIN/INLET (ROUND)		GROUND/BOND
	FIRE HYDRANT		AERIAL STORAGE - EXISTING
	WATER/GAS VALVE		AERIAL STORAGE - PROPOSED
	LIGHT POST		VAULT/BUILDING STORAGE - EXISTING
	STREET LIGHT		VAULT/BUILDING STORAGE - PROPOSED
	TRAFFIC LIGHT ARM		POLE ANCHOR/DOWN GUY - EXISTING
	TREE		POLE ANCHOR/DOWN GUY - PROPOSED
	CULVERT		DOWN GUY TO EXISTING ANCHOR - PROPOSED
	WING WALL		SPLICE POINT - EXISTING
	BRIDGE		SPLICE POINT - PROPOSED
	STREET SIGN		TERMINATION - EXISTING
	ADA RAMP		TERMINATION - PROPOSED
	UTILITY POLE - EXISTING		PULLBOX - EXISTING
	UTILITY POLE - PROPOSED		PULLBOX - PROPOSED
	TRAFFIC RATED VAULT - EXISTING (SIZE AND UTILITY TYPE MAY VARY)		CONSTRUCTION NOTE / RESTORATION CALLOUT
	TRAFFIC RATED VAULT - PROPOSED (SIZE MAY VARY)		PHOTO-MARKER
	HANDHOLE - EXISTING (SIZE AND UTILITY TYPE MAY VARY)		NORTH ARROW
	HANDHOLE - PROPOSED (SIZE MAY VARY)		
	PEDESTAL - EXISTING (SIZE AND UTILITY TYPE MAY VARY)		
	PEDESTAL - PROPOSED (SIZE MAY VARY)		
	WET UTILITY MANHOLE - EXISTING (SIZE AND UTILITY TYPE MAY VARY)		
	BORE PIT - PROPOSED (SIZE MAY VARY)		
	UTILITY POTHOLE		

## INFORMATION TABLES

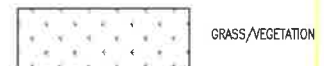
POLE NUMBER	#	UTILITY POLE INFORMATION TABLE (NUMBER OF ATTACHMENTS MAY VARY)
EXISTING UTILITY	0'-0"	
PROPOSED ATTACH	0'-0"	

#F	IN:	SEQUENTIAL IN/OUT CALLOUT
	OUT:	

#F	IN:	SEQUENTIAL IN/TAI CALLOUT
	TAIL:	

#F	TAIL:	SEQUENTIAL TAIL/OUT CALLOUT
	OUT:	

## HATCH PATTERNS



3				AS-BUILT
2				REVISION # 1
1	3/1/18	DB	PM	ORIGINAL
N/D	DATE	ENGINEER	DRAFTER	COMMENT
ZAYO GROUP - DAN BARKER				
ENGINEERED FROM MGS TECHNICAL CONSULTING INC				
PROJECT NUMBER				
LOCATION: 4753 MURPHY LANE				
UMATILLA, OR 97882				
DRAWING FRAME: ZAYO - DOWNROAD TO UMATILLA - 34" EAST				
LATERAL UMATILLA UTILITY PROJECT				
CONFIDENTIAL PROPRIETARY				

# GENERAL NOTES

## GENERAL NOTES:

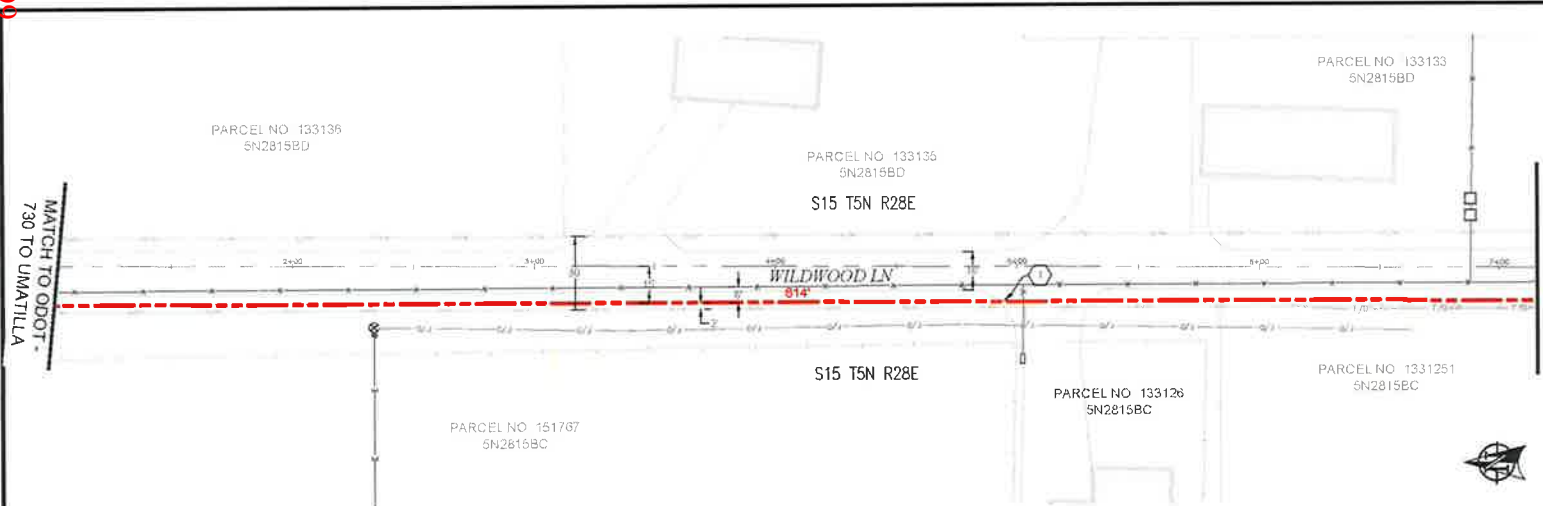
The locations of utilities shown on these drawing are only approximate. MGC TECHNICAL CONSULTING, INC. hereby disclaims any responsibility to third parties for the accuracy of this information. Persons working in the area covered by this drawing must contact the statewide Call-Before-You-Dig System to ascertain the location of underground utilities prior to performing any excavation.

- 1 ALL MATERIALS, WORKMANSHIP, AND CONSTRUCTION OF UTILITY IMPROVEMENTS SHALL MEET OR EXCEED SITE WORK STANDARDS AND THE STANDARDS AND SPECIFICATIONS SET FORTH IN THE CITY OF UMATILLA REGULATIONS AND APPLICABLE STATE AND FEDERAL REGULATIONS. WHERE THERE IS CONFLICT BETWEEN THESE PLANS AND THE SPECIFICATIONS, OR ANY APPLICABLE STANDARDS, THE HIGHER QUALITY STANDARD SHALL APPLY. ALL WORK WITHIN PUBLIC R.O.W. OR EASEMENTS MAY REQUIRE INSPECTED AND APPROVED BY THE CITY OF UMATILLA INSPECTOR. INSPECTION SERVICES AND CONSTRUCTION CERTIFICATION TO BE PROVIDED BY DESIGNEE OF PROJECT SPONSOR/OWNER.
- 2 THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES, AS SHOWN ON THESE PLANS, IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED UPON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE LOCAL UTILITY LOCATION CENTER AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF EXISTING UTILITIES. THE CONTRACTOR SHALL VERIFY PERTINENT LOCATIONS AND ELEVATIONS, ESPECIALLY AT THE CONNECTION POINTS AND AT POTENTIAL UTILITY CONFLICTS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES THAT CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THESE PLANS.
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- 6 THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ASPECTS OF SAFETY INCLUDING, BUT NOT LIMITED TO: EXCAVATION, TRENCHING, SHORING, TRAFFIC CONTROL, AND SECURITY.
- 7 IF, DURING THE CONSTRUCTION PROCESS, CONDITIONS ARE ENCOUNTERED BY THE CONTRACTOR, HIS SUBCONTRACTORS, OR OTHER AFFECTED PARTIES WHICH COULD INDICATE A SITUATION THAT IS NOT IDENTIFIED IN THE PLANS OR SPECIFICATIONS, THE CONTRACTOR SHALL CONTACT THE ENGINEER IMMEDIATELY.
- 8 ALL REFERENCES TO ANY PUBLISHED STANDARDS SHALL REFER TO THE LATEST REVISION OF SAID STANDARD, UNLESS SPECIFICALLY STATED OTHERWISE.
- 9 FOR WORK AFFECTING PUBLIC ROADWAYS OR IF REQUIRED BY THE CITY OF UMATILLA, THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL AND PHASING PLAN IN ACCORDANCE WITH M.U.T.C.D. FOR APPROVAL PRIOR TO ANY CONSTRUCTION ACTIVITIES WITHIN OR AFFECTING THE RIGHT-OF-WAY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ANY AND ALL TRAFFIC CONTROL DEVICES AS MAY BE REQUIRED BY SAID PLANS. PRIOR TO INSTALLATION A PRECONSTRUCTION CONFERENCE SHALL BE HELD WITH CITY OF UMATILLA.
- 10 THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL LABOR AND MATERIALS NECESSARY FOR THE COMPLETION OF THE INTENDED IMPROVEMENTS SHOWN ON THESE DRAWINGS OR DESIGNATED TO BE PROVIDED, INSTALLED, CONSTRUCTED, REMOVED OR RELOCATED UNLESS SPECIFICALLY NOTED OTHERWISE.
- 11 PER AGENCY STANDARDS THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING ROADWAYS FREE AND CLEAR OF ALL CONSTRUCTION DEBRIS AND DIRT TRACKED FROM THE SITE.
- 12 THE CONTRACTOR SHALL BE RESPONSIBLE FOR RECORDING RECORD INFORMATION ON A SET OF RECORD DRAWINGS KEPT AT THE CONSTRUCTION SITE AND AVAILABLE TO THE CITY OF UMATILLA INSPECTOR AT ALL TIMES.
- 13 DIMENSIONS FOR LAYOUT AND CONSTRUCTION ARE NOT TO BE SCALED FROM ANY DRAWING. FOR ADDITIONAL INFORMATION CONTACT THE ENGINEER FOR CLARIFICATION AND NOTE ON THE RECORD DRAWINGS.
- 14 ALL EROSION AND SEDIMENT CONTROL (E.S.C.) MEASURES SHALL BE INSTALLED AT THE LIMITS OF CONSTRUCTION PRIOR TO GROUND DISTURBING ACTIVITY. ALL E.S.C. MEASURES SHALL BE MAINTAINED IN GOOD REPAIR BY THE CONTRACTOR UNTIL SUCH TIME AS THE ENTIRE DISTURBED AREAS ARE STABILIZED WITH HARD SURFACE OR LANDSCAPING.
- 15 ALL WORK WITHIN THE PUBLIC RIGHT-OF-WAY IS SUBJECT TO THE JURISDICTION OF THE CITY OF UMATILLA ENGINEERING DEPARTMENT STANDARD DETAILS AND SPECIFICATIONS.
- 16 ALL CONSTRUCTION OPERATIONS, INCLUDING THE WARMING UP, REPAIR, ARRIVAL, DEPARTURE OR RUNNING OF TRUCKS, EARTH MOVING EQUIPMENT, CONSTRUCTION EQUIPMENT AND ANY OTHER ASSOCIATED EQUIPMENT SHALL GENERALLY BE LIMITED TO THE TIME PERIOD APPROVED BY THE CITY OF UMATILLA.

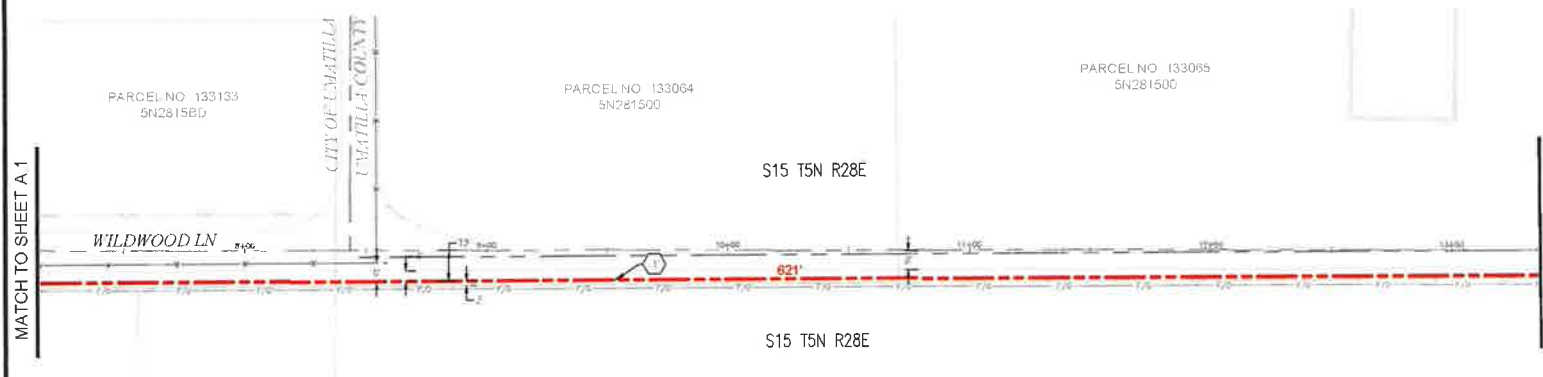


Know what's below.  
Call before you dig.

3				AS-BUILT
2				REVISION # 1
1	3/1/16	BB	PM	ORIGINAL
NO.	DATE	ENGINEER	DRAFTER	COMMENT
ZAYO ENGINEER: ERIN BARKMAN ENGINEERING FIRM: MGC TECHNICAL CONSULTING, INC. PROJECT NUMBER: LOCATION: 3283 MURPHY LANE UMATILLA, OR 97522 DRAWING NAME: ZAYO - BARKMAN TO UMATILLA - 342' EAST LATERAL UMATILLA UTILITY FLAGGING CONFIDENTIAL AND PROPRIETARY				
				SHEET 1 OF 1



PLAN VIEW A.1



PLAN VIEW A.2

**CONSTRUCTION NOTES**  
 1 PROPOSED NEW (2) 2" CONDUITS AND (1) 1 1/2" CONDUITS, PULL FIBER CABLE THROUGH. REPAIR SURFACE PER LOCAL JURISDICTION STANDARDS. CONTRACTOR TO POT-HOLE UTILITIES PRIOR TO CONSTRUCTION.

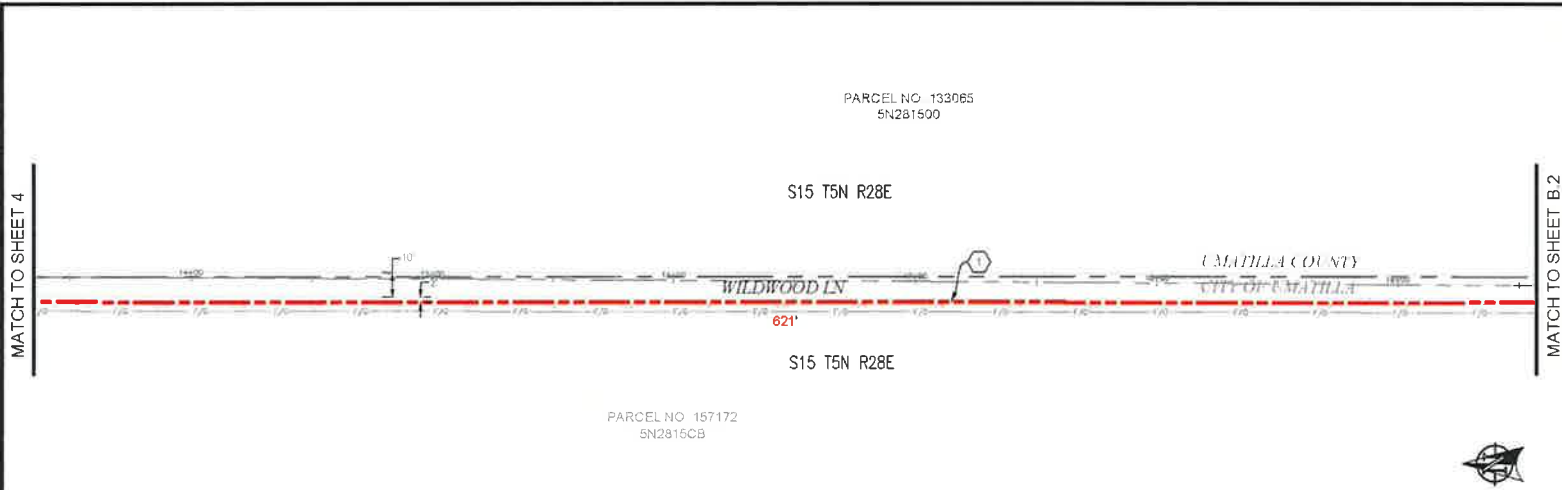
**CONTRACTOR NOTES**  
 LINE OF SIGHT MARKERS REQUIRED EVERY 500'  
 ADD 1" OF COMPACT GRAVEL AND WIRE MESH ON THE FLOOR OF EACH VAULT.



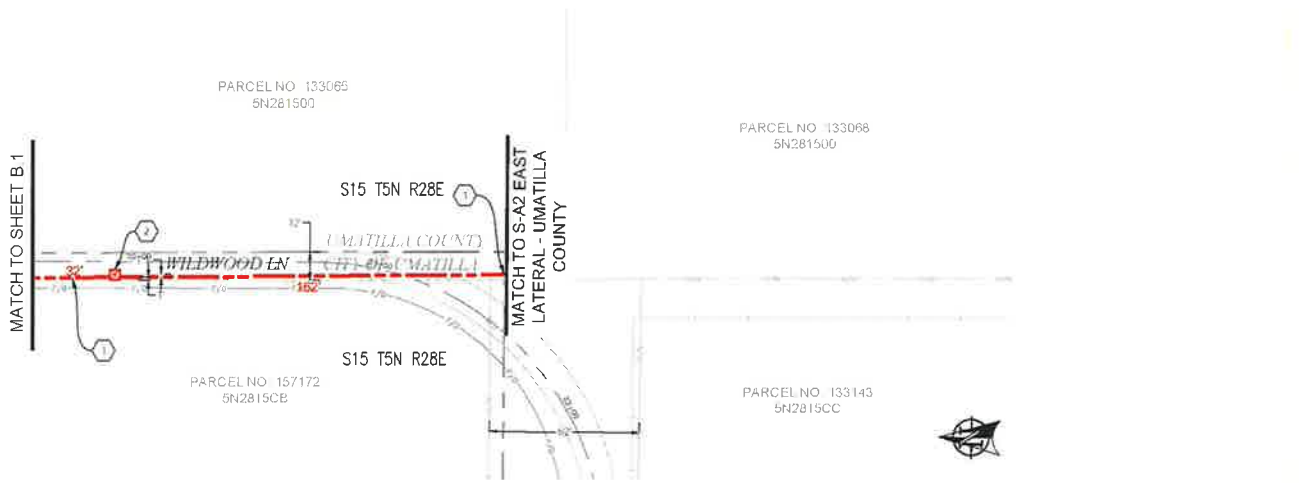
**811**  
 Know what's below.  
 Call before you dig.

SCALE: 1"=50'

AS-BUILT				
REVISION # 1				
3/1/18	BB	PM		
DATE	ENGINEER	DRAFTER		COMMENT
<b>Zayo GROUP</b>				
<b>MGE</b>				
ZAYO ENGINEER: DARI BARCOLO				
ENGINEERING FIRM: MGE TECHNICAL CONSULTING INC				
PROJECT NUMBER:				
LOCATION: 1035 NUMBER LINE				
UMATILLA, OR 97132				
DRAWN BY: ZAYO: 04/28/2018 TO UMATILLA: 5/1/18				
DATE: UMATILLA UTILITY PLANS				
DISPOSITIVE PROJECT # 107 SHEET: 4 OF 5				



PLAN VIEW B.1



PLAN VIEW B.2

- CONSTRUCTION NOTES**
- ① PROPOSED NEW (2) 2" CONDUITS AND (1) 1 1/4" CONDUITS. PULL FIBER CABLE THROUGH REPAIR SURFACE PER LOCAL JURISDICTION STANDARDS. CONTRACTOR TO FILL HOLES PRIOR TO CONSTRUCTION.
  - ② PROPOSED PLACE (1) 30" X 48" BULK SERIES / VAULT OR 676-1A VAULT. COIL 100' OF FIBER THROUGH. SEE VAULT DETAILS ON SHEET 1.

**CONTRACTOR NOTES**

LINE OF SIGHT MARKERS REQUIRED EVERY 500'

ADD 1" OF COMPACT GRAVEL AND WIRE MESH ON THE FLOOR OF EACH VAULT.

3				AS-BUILT
2				REVISION # 1
1	3/1/18	BB	RM	ORIGINAL
REV	DATE	ENGINEER	DRAFTER	COMMENT
		<b>ZAYO GROUP</b>		<b>MGC</b>
ZAYO ENGINEER		DAN BARCONE		
ENGINEERING FIRM: MGC TECHNICAL CONSULTING INC.				
PROJECT NUMBER:				
LOCATION: 8289 MUNGER LANE UMATILLA, OR 97882				
DRAWING TITLE: ZAYO DRAWINGS TO UMATILLA 'SAP' EAST LATERAL, UMATILLA CITY PLANS.dwg				
CONFIDENTIAL PROPRIETARY				

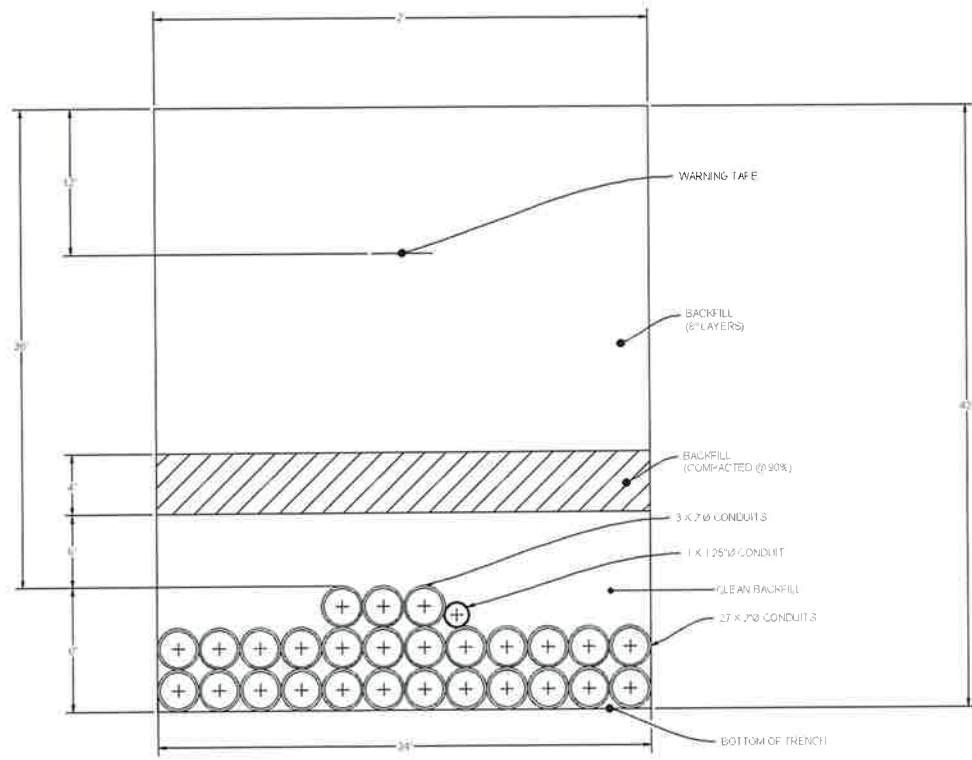
**811**

Know what's below.  
Call before you dig.

SCALE: 1"=50'



# DUCT SYSTEM DETAILS



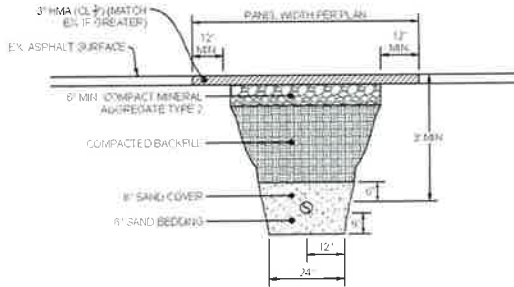
**DUCT BANK TRENCH DETAIL #1**  
SCALE: NTS



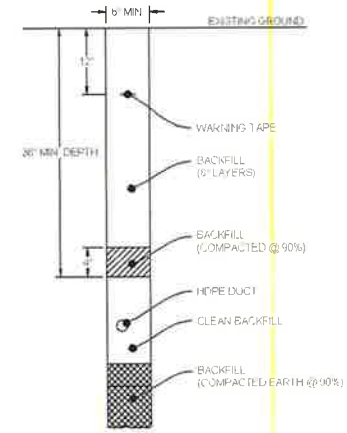
Know what's below.  
Call before you dig.

NO.	DATE	ENGINEER	DRAFTER	COMMIT	AS-BUILT	REVISION #
1	3/1/18	BB	PM	ORIGINAL		# 1
ZAYO NUMBER: DAN BARCLAY ENGINEERING FIRM: ADV. TECHNICAL CONSULTING LLC PROJECT NUMBER: LOCATION: 4255 MURDER LAKE UMATILLA, OR 97130 DRAWING NAME: ZAYO - DOWNHAM TO UMATILLA - SAN - EAST LAYOUT - UMATILLA CITY PLANS 2018						
CONFIDENTIAL/PROPRIETARY					SHEET 4 OF 5	

# UNDERGROUND TYPICALS



**TYPICAL PATCH TRENCH DETAIL**  
SCALE: NTS



**TYPICAL TRENCH IN SOIL DETAIL**  
SCALE: NTS

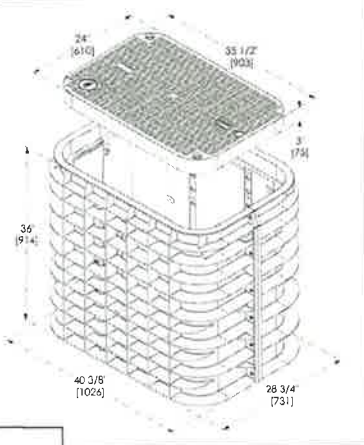
**BODY SPECIFICATIONS**

- Cover Weight 50 lbs [23 kg]
- Pit Weight 82 lbs [37 kg]
- Assembled Weight 132 lbs [60 kg]

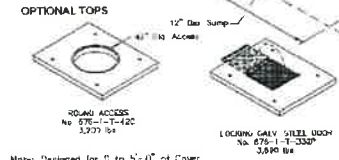
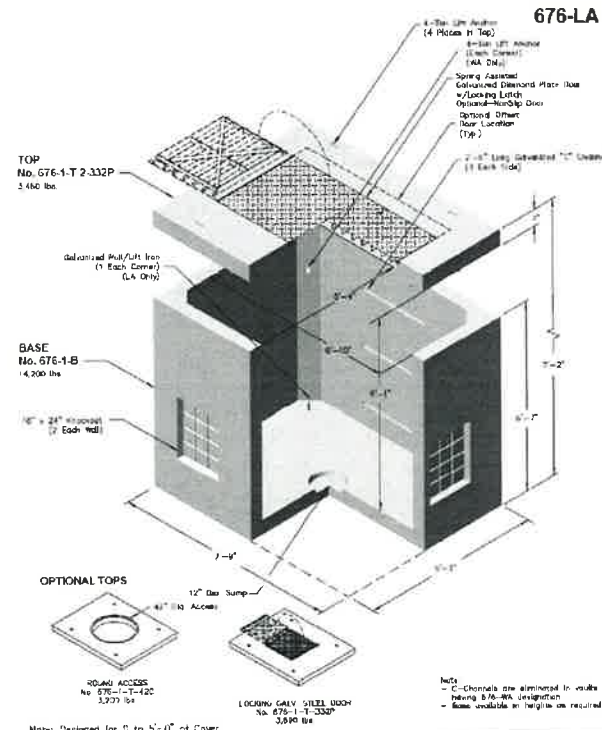
Shield X Composite Cover



BULK 4 Vault Body  
36" (914 mm) Depth



**TYPICAL BULK - SERIES 4 VAULT DETAIL**  
SCALE: NTS



Note: Designed for 0 to 5'-0" of Cover

Notes:  
- C-Channels are eliminated in vaults having 8.0-9.0' penetration  
- Bases available in heights on request

 PO Box 323, Wisconsin, Oregon 97150-0323 Tel: (503) 682-2848 Fax: (503) 682-2867 <a href="http://oldcastleprecast.com/wisconsin">oldcastleprecast.com/wisconsin</a>	<b>676-LA</b> File Name: 020-676-1LA Issue Date: 2016 <a href="http://oldcastleprecast.com/wisconsin">oldcastleprecast.com/wisconsin</a>	<b>676-LA</b> 5 x 7 x 6 POWER WATER GAS
	Note: Designed for 0 to 5'-0" of Cover	

**TYPICAL 676LA VAULT**  
SCALE: NTS

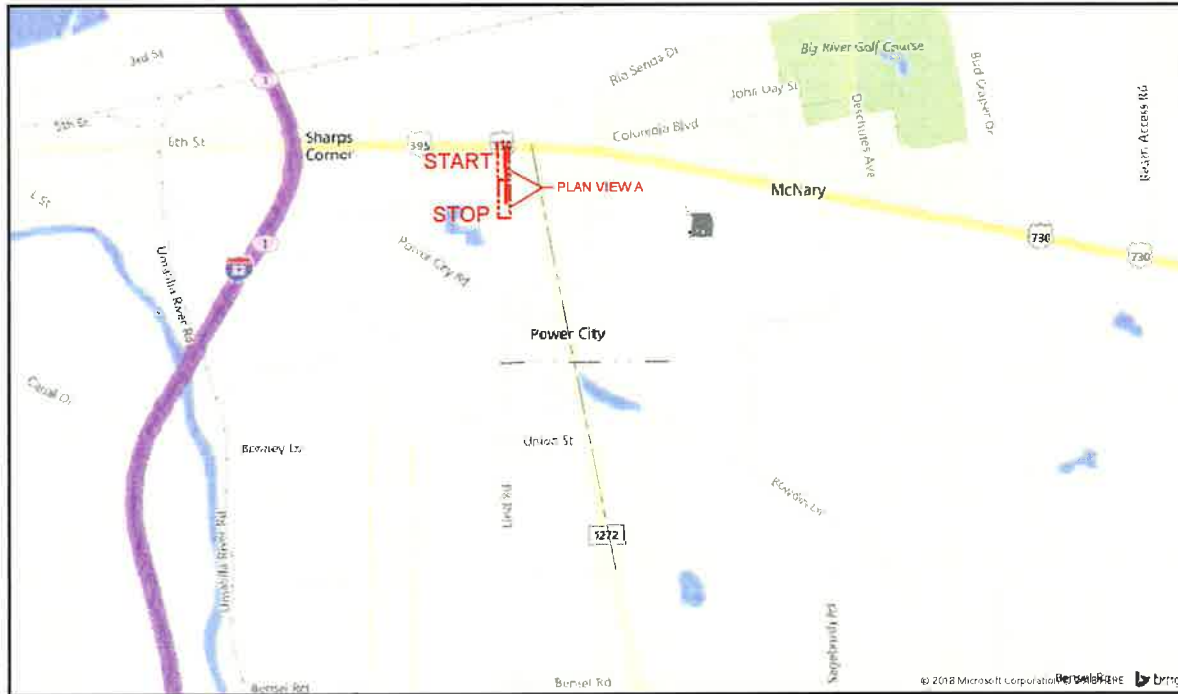


Know what's below!  
Call before you dig

2				AS-BUILT
3				REVISION # 1
4	3/1/18	BB	RM	ORIGINAL
NO	DATE	ENGINEER	DRAFTER	COMMENT
ZAYO ENGINEER: DAN BARKLAAS TRAFFIC ENGINEER FROM MGP, TECHNICAL CORPORA TION/RA PROJECT NUMBER: LOCATION: 81203 MARKET LANE UMATILLA, OR 97142 DRAWING NAME: ZAPP - DUNBARH TO HEETS LA - 347 - EAST LATTER: UMATILLA CITY PLANS 404 CONFIDENTIAL/PROPRIETARY				

ADDRESS: 82353 MUNGER LANE, UMATILLA, OR 97882

PROJECT NAME: BOARDMAN TO UMATILLA - CITY OF UMATILLA - SEG A2 - WEST LATERAL - BULK CONDUIT



## SITE LOCATION BILL OF MATERIALS

NEW AERIAL	=	0 FT.
OVERLASH	=	0 FT.
NEW UNDERGROUND	=	895 FT.
EXISTING UNDERGROUND	=	0 FT.
RISERS	=	0 FT.
ISP	=	0 FT.
TOTAL FOOTAGE	=	895 FT.

### CONTACTS

ZAYO CONTACT:  
DAN BARCOMB  
22651 63RD AVE S  
KENT, WA 98032  
C 509 727 3345  
DAN.BARCOMB@ZAYO.COM

BRYSON BAILY  
MGC TECHNICAL CONSULTING, INC.  
6244 185TH AVE NE  
REDMOND, WA 98052  
C 206.799.3001  
BRYSON@MGCTECHNICAL.COM

### SHEET INDEX

1. COVER SHEET / SITE LOCATION
2. LEGEND
3. GENERAL NOTES
4. PLAN VIEW A
5. DUCT SYSTEM DETAILS
6. UNDERGROUND TYPICALS

### SCOPE OF WORK

PLACE CONDUIT AND VAULTS SOUTH ON THE EAST SIDE OF LIND RD FROM THE SOUTHEAST CORNER OF HWY 730 AND LIND RD. TO SEG A2 COUNTY OF UMATILLA PLANS. PULL FIBER CABLE THROUGHOUT.



AS-BUILT			
NO.	DATE	ENGINEER	CHARTER
1	02/26/18	BB	CH
2			
3			
4			
5			
6			

ZAYO GROUP ENGINEERING FIRM MGC TECHNICAL CONSULTING INC PROJECT NUMBER: LOCATION: 82353 MUNGER LANE UMATILLA, OR 97882 DRAWING NAME: ZAYO - BOARDMAN TO UMATILLA - SEG A2 - WEST LATERAL - BULK CONDUIT SHEET: 1 OF 6 CONFIDENTIAL/PROPRIETARY	

# LEGEND

## LINETYPES

	AERIAL FIBER - EXISTING
	AERIAL FIBER - ATTACH
	AERIAL FIBER - OVERLASH
	STRAND - EXISTING
	STRAND - PROPOSED
	CONDUIT - EXISTING
	CONDUIT - PROPOSED
	INNERDUCT - EXISTING
	INNERDUCT - PROPOSED
	GAS
	WATER
	TELEPHONE
	FIBER OPTIC
	ELECTRIC
	SANITARY SEWER (SEW)
	STORM DRAIN
	CABLE TV
	STEAM
	OIL
	UNKNOWN UTILITY
	FENCE
	RIGHT OF WAY
	EDGE OF PAVEMENT

## ABBREVIATIONS

ASW	ASPHALT SIDEWALK
BIP	BLACK IRON PIPE
BSP	BLACK STEEL PIPE
CSW	CONCRETE SIDEWALK
ELECT.	ELECTRIC
EOP	EDGE OF PAVEMENT
EOTW	EDGE OF TRAVEL WAY
F/C	FACE OF CURB
F/O	FIBER OPTIC
HDPE	HIGH DENSITY POLYETHYLENE
HH	HANDHOLE
JB	JUNCTION BOX
MH	MANHOLE
MP	MILE POST
O/S	OFFSET
PR	POWER RISER
PVC	POLY VINYL CHLORIDE
RGS	RIGID GALVANIZED STEEL CONDUIT
ROW	RIGHT OF WAY
SEW	SANITARY SEWER
SD	STORM DRAIN
STA.	STATION
STM	STEAM
TEL	TELECOM

## SYMBOLS

	RISER - EXISTING		TRANSMISSION/DISTRIBUTION POLE
	RISER - PROPOSED		TRANSMISSION POLE
	CATCH BASIN/INLET (RECTANGULAR)		DISTRIBUTION POLE
	CATCH BASIN/INLET (ROUND)		GROUND/BOND
	FIRE HYDRANT		AERIAL STORAGE - EXISTING
	WATER/GAS VALVE		AERIAL STORAGE - PROPOSED
	LIGHT POST		VAULT/BUILDING STORAGE - EXISTING
	STREET LIGHT		VAULT/BUILDING STORAGE - PROPOSED
	TRAFFIC LIGHT ARM		POLE ANCHOR/DOWN GUY - EXISTING
	TREE		POLE ANCHOR/DOWN GUY - PROPOSED
	CULVERT		DOWN GUY TO EXISTING ANCHOR - PROPOSED
	WING WALL		SPLICE POINT - EXISTING
	BRIDGE		SPLICE POINT - PROPOSED
	STREET SIGN		TERMINATION - EXISTING
	ADA RAMP		TERMINATION - PROPOSED
	UTILITY POLE - EXISTING		PULLBOX - EXISTING
	UTILITY POLE - PROPOSED		PULLBOX - PROPOSED
	TRAFFIC RATED VAULT - EXISTING (SIZE AND UTILITY TYPE MAY VARY)		CONSTRUCTION NOTE / RESTORATION CALLOUT
	TRAFFIC RATED VAULT - PROPOSED (SIZE MAY VARY)		PHOTO-MARKER
	HANDHOLE - EXISTING (SIZE AND UTILITY TYPE MAY VARY)		NORTH ARROW
	HANDHOLE - PROPOSED (SIZE MAY VARY)		
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	PEDESTAL - PROPOSED (SIZE MAY VARY)		
	WET UTILITY MANHOLE - EXISTING (SIZE AND UTILITY TYPE MAY VARY)		
	BORE PIT - PROPOSED (SIZE MAY VARY)		
	UTILITY POTHOLE		

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EXISTING UTILITY	0'-0"	
PROPOSED ATTACH	0'-0"	

#F	IN:	SEQUENTIAL IN/OUT CALLOUT
	OUT:	

#F	IN:	SEQUENTIAL IN/TAI CALLOUT
	TAIL:	

#F	TAIL:	SEQUENTIAL TAIL/OUT CALLOUT
	OUT:	

## HATCH PATTERNS



3				AS-BUILT
2				REVISION # 1
1	02/28/18	BB	CH	ORIGINAL
NO.	DATE	ENGINEER	DRAFTER	COMMENT
ZAYO/STARR/CHEN - SAN BARTOLOME				
ENGINEERING FROM MGS, TECHNICAL CONSULTING				
PROJECT NUMBER				
LOCATION: 1233 MURDER LANE				
UMATILLA, OR 97602				
DRAWING FRAME: 2411 - SAN BARTOLOME UMATILLA 543 WEST				
LAYOUT: UMATILLA UTILITY PLAN 2018.dwg				
CONFIDENTIAL/PROPRIETARY				
SHEET 2 OF 4				

# GENERAL NOTES

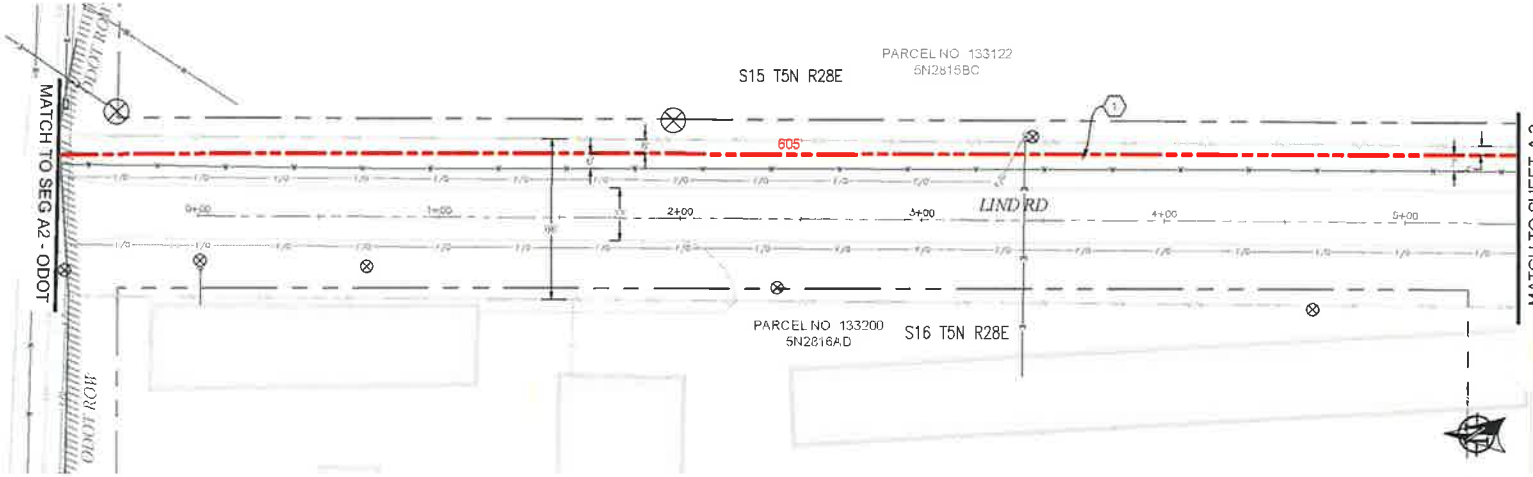
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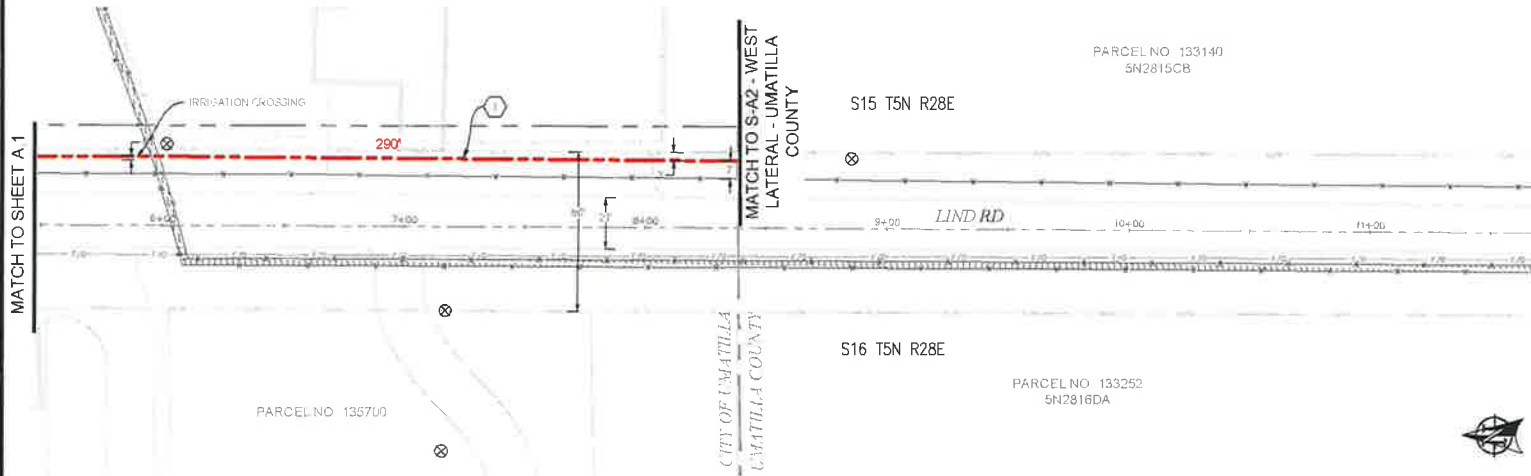
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7. IF, DURING THE CONSTRUCTION PROCESS, CONDITIONS ARE ENCOUNTERED BY THE CONTRACTOR, HIS SUBCONTRACTORS, OR OTHER AFFECTED PARTIES WHICH COULD INDICATE A SITUATION THAT IS NOT IDENTIFIED IN THE PLANS OR SPECIFICATIONS, THE CONTRACTOR SHALL CONTACT THE ENGINEER IMMEDIATELY.
8. ALL REFERENCES TO ANY PUBLISHED STANDARDS SHALL REFER TO THE LATEST REVISION OF SAID STANDARD, UNLESS SPECIFICALLY STATED OTHERWISE.
9. FOR WORK AFFECTING PUBLIC ROADWAYS OR IF REQUIRED BY THE CITY OF UMATILLA, THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL AND PHASING PLAN IN ACCORDANCE WITH M.U.T.C.D. FOR APPROVAL PRIOR TO ANY CONSTRUCTION ACTIVITIES WITHIN OR AFFECTING THE RIGHT-OF-WAY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ANY AND ALL TRAFFIC CONTROL DEVICES AS MAY BE REQUIRED BY SAID PLANS. PRIOR TO INSTALLATION A PRECONSTRUCTION CONFERENCE SHALL BE HELD WITH CITY OF UMATILLA.
10. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL LABOR AND MATERIALS NECESSARY FOR THE COMPLETION OF THE INTENDED IMPROVEMENTS SHOWN ON THESE DRAWINGS OR DESIGNATED TO BE PROVIDED, INSTALLED, CONSTRUCTED, REMOVED OR RELOCATED UNLESS SPECIFICALLY NOTED OTHERWISE.
11. PER AGENCY STANDARDS THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING ROADWAYS FREE AND CLEAR OF ALL CONSTRUCTION DEBRIS AND DIRT TRACKED FROM THE SITE.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RECORDING RECORD INFORMATION ON A SET OF RECORD DRAWINGS KEPT AT THE CONSTRUCTION SITE AND AVAILABLE TO THE CITY OF UMATILLA INSPECTOR AT ALL TIMES.
13. DIMENSIONS FOR LAYOUT AND CONSTRUCTION ARE NOT TO BE SCALED FROM ANY DRAWING. FOR ADDITIONAL INFORMATION CONTACT THE ENGINEER FOR CLARIFICATION AND NOTE ON THE RECORD DRAWINGS.
14. ALL EROSION AND SEDIMENT CONTROL (E.S.C.) MEASURES SHALL BE INSTALLED AT THE LIMITS OF CONSTRUCTION PRIOR TO GROUND DISTURBING ACTIVITY. ALL E.S.C. MEASURES SHALL BE MAINTAINED IN GOOD REPAIR BY THE CONTRACTOR UNTIL SUCH TIME AS THE ENTIRE DISTURBED AREAS ARE STABILIZED WITH HARD SURFACE OR LANDSCAPING.
15. ALL WORK WITHIN THE PUBLIC RIGHT-OF-WAY IS SUBJECT TO THE JURISDICTION OF THE CITY OF UMATILLA ENGINEERING DEPARTMENT STANDARD DETAILS AND SPECIFICATIONS.
16. ALL CONSTRUCTION OPERATIONS, INCLUDING THE WARMING UP, REPAIR, ARRIVAL, DEPARTURE OR RUNNING OF TRUCKS, EARTH MOVING EQUIPMENT, CONSTRUCTION EQUIPMENT AND ANY OTHER ASSOCIATED EQUIPMENT SHALL GENERALLY BE LIMITED TO THE TIME PERIOD APPROVED BY THE CITY OF UMATILLA.



2					AS-BUILT
3					REVISION # 1
1	02/28/18	BB	CH		ORIGINAL
NO.	DATE	ENGINEER	DRAFTER		COMMENT
		<b>zayo</b> GROUP		<b>MGC</b> TECHNICAL CONSULTING INC.	
ZAYO ENGINEER: DAN BARKER					
ENGINEERING FIRM: MGC TECHNICAL CONSULTING					
PROJECT NUMBER:					
LOCATION: 4285 MURDER LANE UMATILLA, OR 97882					
CONTRACT NAME: ZAYO IMPROVEMENTS TO UMATILLA GAS HEAD LAYOUT, UMATILLA CITY PLANS 1801					
CONFIDENTIAL AND PROPRIETARY INFORMATION SHEET 1 OF 4					



PLAN VIEW A.1



PLAN VIEW A.2

- CONSTRUCTION NOTES**
- ① PROPOSED NEW (2) 2" CONDUITS AND (1) 1 1/4" CONDUIT. PULL FIBER CABLE THROUGH REPAIR SURFACE PER LOCAL JURISDICTION STANDARDS. CONTRACTOR TO PATCH UTILITIES PRIOR TO CONSTRUCTION.

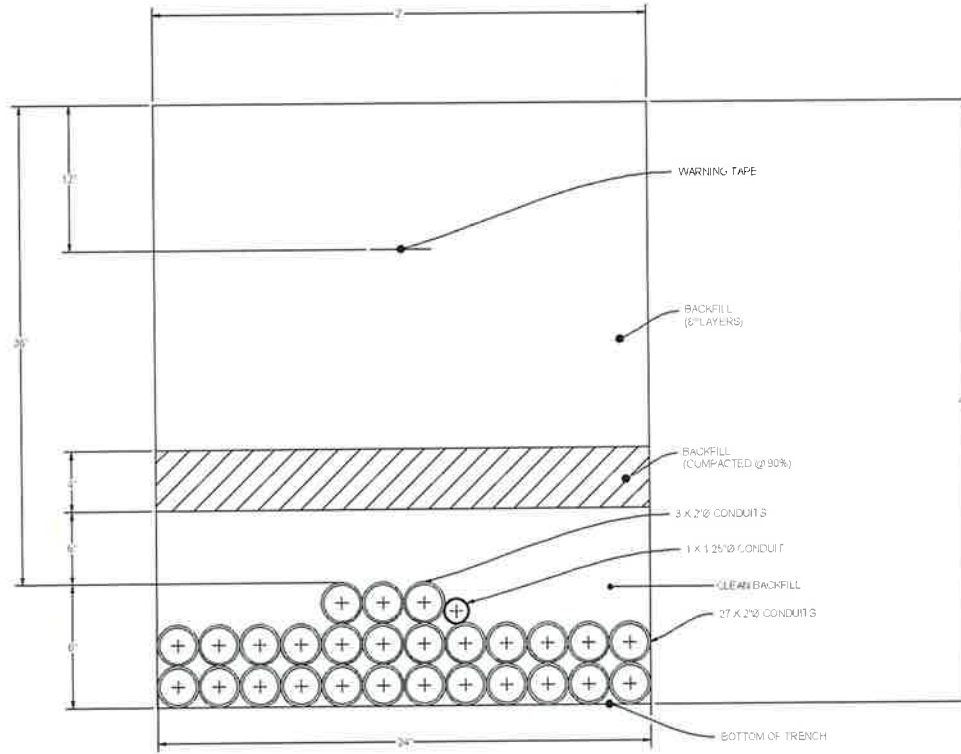
**CONTRACTOR NOTES**  
LINE OF SIGHT MARKERS REQUIRED EVERY 500'

**811**  
Keep what's below.  
Call before you dig.

SCALE: 1"=50'

NO.	DATE	ENGINEER	DRAFTER	REVISION #	COMMENT
1	02/28/18	BB	CH	1	ORIGINAL
ZAYO GROUP - DATA SERVICES					
ESTABLISHED FIRM SINCE 1967. TECHNICAL CONSULTING INC.					
PROJECT PHASES					
LOCATION: 6255 MUNSTER LANE, UMATILLA, OR 97882					
DRAWING NAME: ZAYO - DRAWING TO UMATILLA - S16 - WEST LATERAL - UMATILLA CITY PLUMBING					
CONFIDENTIAL - PROPRIETARY					

# DUCT SYSTEM DETAILS



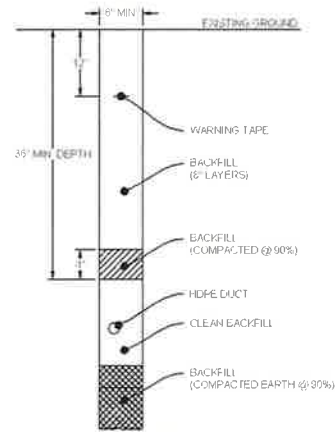
**DUCT BANK TRENCH DETAIL #1**  
SCALE: NTS



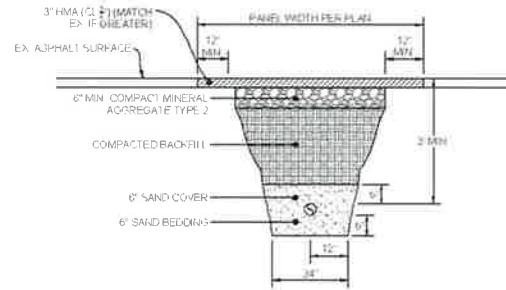
Know what's below.  
Call before you dig.

2				AS-BUILT
2				REVISION # 1
1	02/28/18	BB	CH	ORIGINAL
NO	DATE	ENGINEER	DRAFTER	COMMENT
<b>Zayo</b>		<b>MGC</b>		
ZAYO ENGINEER: CHU BARCLAY				
ENGINEERING FIRM: ADV. TECHNICAL CONSULTING INC.				
PROJECT NUMBER:				
LOCATION: 6335 MURKIN LANE				
UMATILLA, OR 97152				
DRAWN BY: JASAL ZAYO - ENGINEER TO UMATILLA, OR - WEST				
DATE: 02/28/18				
CONFIDENTIAL/PROPRIETARY SHEET 1 OF 4				

# UNDERGROUND TYPICALS



**TYPICAL TRENCH IN SOIL DETAIL**  
SCALE: NTS



**TYPICAL PATCH TRENCH DETAIL**  
SCALE: NTS



3				AS-BUILT
2				REVISION # 1
1	02/26/16	BB	CH	ORIGINAL
NO.	DATE	ENGINEER	DRAFTER	COMMENT
<b>Zayo</b>		<b>MGC</b>		
ZAYO ENTERPRISE DAN BARKOW				
EMPLOYER/CLIENT: MGC TECHNICAL CONSULTING INC				
PROJECT NUMBER:				
LOCATION: 1220 MURPHY LANE				
UMATILLA, OR 97882				
DRAWING NAME: DATA CENTER TO UMATILLA, S-40 - WEST				
INTERNAL UMATILLA IT PLANS.dwg				
CONFIDENTIAL/PROPRIETARY SHEET 6 OF 6				



ADDRESS: 82353 MUNGER LANE, UMATILLA, OR 97882  
 PROJECT NAME: BOARDMAN TO UMATILLA - ODOT 395 - SEG A2 - EAST LATERAL - BULK CONDUIT



### SITE LOCATION BILL OF MATERIALS

NEW AERIAL	=	0 FT.
OVERLASH	=	0 FT.
NEW UNDERGROUND	=	4,569 FT.
EXISTING UNDERGROUND	=	0 FT.
RISERS	=	0 FT.
ISP	=	0 FT.
<b>TOTAL FOOTAGE</b>	<b>=</b>	<b>4,569 FT.</b>

#### CONTACTS

ZAYO CONTACT  
 DAN BARCOMB  
 22651 83RD AVE S  
 KENT, WA 98032  
 C 509 727 3345  
 DAN.BARCOMB@ZAYO.COM

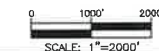
BRYSON BAILY  
 MGC TECHNICAL CONSULTING, INC.  
 6244 185TH AVE NE  
 REDMOND, WA 98052  
 C 206 799 3001  
 BRYSON@MGCTECHNICAL.COM

#### SHEET INDEX

1. COVER SHEET / SITE LOCATION
2. LEGEND
3. GENERAL NOTES
- 4-8. PLAN VIEWS A - E
9. DUCT SYSTEM DETAILS
10. UNDERGROUND TYPICALS

#### SCOPE OF WORK

BORE AND PLACE PROPOSED CONDUIT AND VAULTS FROM THE SOUTHEAST CORNER OF HWY 395 AND WILD WOOD LN WEST, THEN SOUTH ON THE THE WEST SIDE OF HWY 395 TO THE NORTHWEST CORNER OF HWY 395 AND ACCESS DIRT RD. PULL FIBER CABLE THROUGHOUT.



3				AS-BUILT
2				REVISION # 1
1	3/2/18	BB	CH	ORIGINAL
NO.	DATE	ENGINEER	DRAFTER	COMMENT
		<b>zayo</b> GROUP		<b>MGC</b> TECHNICAL CONSULTING, INC.
ZAYO ENGINEER: DAN BARCOMB				
ENGINEERING FIRM: MGC TECHNICAL CONSULTING, INC.				
PROJECT NUMBER:				
LOCATION: 82353 MUNGER LANE UMATILLA, OR 97882				
DRAWING NAME: ZAYO BOARDMAN TO UMATILLA 8\"/>				

CONFIDENTIAL AND PROPRIETARY SHEET 1 OF 10

# LEGEND

## LINETYPES

	AERIAL FIBER - EXISTING
	AERIAL FIBER - ATTACH
	AERIAL FIBER - OVERLASH
	STRAND - EXISTING
	STRAND - PROPOSED
	CONDUIT - EXISTING
	CONDUIT - PROPOSED
	INNERDUCT - EXISTING
	INNERDUCT - PROPOSED
	GAS
	WATER
	TELEPHONE
	FIBER OPTIC
	ELECTRIC
	SANITARY SEWER (SEW)
	STORM DRAIN
	CABLE TV
	STEAM
	OIL
	UNKNOWN UTILITY
	FENCE
	RIGHT OF WAY
	EDGE OF PAVEMENT

## ABBREVIATIONS

ASW	ASPHALT SIDEWALK
BIP	BLACK IRON PIPE
BSP	BLACK STEEL PIPE
CSW	CONCRETE SIDEWALK
ELECT.	ELECTRIC
EOP	EDGE OF PAVEMENT
EDTW	EDGE OF TRAVEL WAY
FDC	FACE OF CURB
F/O	FIBER OPTIC
HDPE	HIGH DENSITY POLYETHYLENE
HH	HANDHOLE
JB	JUNCTION BOX
MH	MANHOLE
MP	MILE POST
O/S	OFFSET
PR	POWER RISER
PVC	POLY VINYL CHLORIDE
RGS	RIGID GALVANIZED STEEL CONDUIT
ROW	RIGHT OF WAY
SEW	SANITARY SEWER
SD	STORM DRAIN
STA.	STATION
STM	STEAM
TEL	TELECOM

## SYMBOLS

	RISER - EXISTING		TRANSMISSION/DISTRIBUTION POLE
	RISER - PROPOSED		TRANSMISSION POLE
	CATCH BASIN/INLET (RECTANGULAR)		DISTRIBUTION POLE
	CATCH BASIN/INLET (ROUND)		GROUND/BOND
	FIRE HYDRANT		AERIAL STORAGE - EXISTING
	WATER/GAS VALVE		AERIAL STORAGE - PROPOSED
	LIGHT POST		VAULT/BUILDING STORAGE - EXISTING
	STREET LIGHT		VAULT/BUILDING STORAGE - PROPOSED
	TRAFFIC LIGHT ARM		POLE ANCHOR/DOWN GUY - EXISTING
	TREE		POLE ANCHOR/DOWN GUY - PROPOSED
	CULVERT		DOWN GUY TO EXISTING ANCHOR - PROPOSED
	WING WALL		SPLICE POINT - EXISTING
	BRIDGE		SPLICE POINT - PROPOSED
	STREET SIGN		TERMINATION - EXISTING
	ADA RAMP		TERMINATION - PROPOSED
	UTILITY POLE - EXISTING		PULLBOX - EXISTING
	UTILITY POLE - PROPOSED		PULLBOX - PROPOSED
	TRAFFIC RATED VAULT - EXISTING (SIZE AND UTILITY TYPE MAY VARY)		CONSTRUCTION NOTE / RESTORATION CALLOUT
	TRAFFIC RATED VAULT - PROPOSED (SIZE MAY VARY)		PHOTO-MARKER
	HANDHOLE - EXISTING (SIZE AND UTILITY TYPE MAY VARY)		NORTH ARROW
	HANDHOLE - PROPOSED (SIZE MAY VARY)		
	PEDESTAL - EXISTING (SIZE AND UTILITY TYPE MAY VARY)		
	PEDESTAL - PROPOSED (SIZE MAY VARY)		
	WET UTILITY MANHOLE - EXISTING (SIZE AND UTILITY TYPE MAY VARY)		
	BORE PIT - PROPOSED (SIZE MAY VARY)		
	UTILITY POTHOLE		

## INFORMATION TABLES

POLE NUMBER	#	UTILITY POLE INFORMATION TABLE (NUMBER OF ATTACHMENTS MAY VARY)
EXISTING UTILITY	0'-0"	
PROPOSED ATTACH	0'-0"	

#F	IN:	OUT:	SEQUENTIAL IN/OUT CALLOUT
#F	IN:	TAIL:	SEQUENTIAL IN/TAIL CALLOUT
#F	TAIL:	OUT:	SEQUENTIAL TAIL/OUT CALLOUT

## HATCH PATTERNS

	CONCRETE SIDEWALK
	GRASS/VEGETATION
	GRAVEL
	WATER



				AS-BUILT
				REVISION # 1
1	3/2/18	BB	CH	ORIGINAL
NO.	DATE	ENGINEER	DRAWER	COMMENT
<b>zayo GROUP</b>				<b>MGC</b> TECHNICAL CONSULTING INC
ZAYO ENGINEER: DAN BARCONE				
ENGINEERING FIRM: MGC TECHNICAL CONSULTING INC				
PROJECT NUMBER:				
LOCATION: 62953 MUNGER LANE UMATILLA OR 97582				
DRAWING FRAME: ZAPP, ENVIROSCAN TO UMATILLA 104' EAST				
DATE: 03/01/2018 10:45 AM				
CONFIDENTIAL PROPRIETARY INFORMATION SHEET 2 OF 10				

# GENERAL NOTES

**GENERAL NOTES:**

The locations of utilities shown on these drawing are only approximate. MGC TECHNICAL CONSULTING, INC. hereby disclaims any responsibility to third parties for the accuracy of this information. Persons working in the area covered by this drawing must contact the statewide Call-Before-You-Dig System to ascertain the location of underground utilities prior to performing any excavation.

1. ALL MATERIALS, WORKMANSHIP, AND CONSTRUCTION OF UTILITY IMPROVEMENTS SHALL MEET OR EXCEED SITE WORK STANDARDS AND THE STANDARDS AND SPECIFICATIONS SET FORTH IN THE ODOT REGULATIONS AND APPLICABLE STATE AND FEDERAL REGULATIONS. WHERE THERE IS CONFLICT BETWEEN THESE PLANS AND THE SPECIFICATIONS, OR ANY APPLICABLE STANDARDS, THE HIGHER QUALITY STANDARD SHALL APPLY. ALL WORK WITHIN PUBLIC R.O.W. OR EASEMENTS MAY REQUIRE INSPECTION AND APPROVED BY THE ODOT INSPECTOR. INSPECTION SERVICES AND CONSTRUCTION CERTIFICATION TO BE PROVIDED BY DESIGNEE OF PROJECT SPONSOR/OWNER.
2. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES, AS SHOWN ON THESE PLANS, IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED UPON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE LOCAL UTILITY LOCATION CENTER AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF EXISTING UTILITIES. THE CONTRACTOR SHALL VERIFY PERTINENT LOCATIONS AND ELEVATIONS, ESPECIALLY AT THE CONNECTION POINTS AND AT POTENTIAL UTILITY CONFLICTS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES THAT CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THESE PLANS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM ALL APPLICABLE AGENCIES. THE CONTRACTOR SHALL NOTIFY THE ODOT INSPECTOR AT LEAST 48 HOURS PRIOR TO THE START OF ANY EARTH DISTURBING ACTIVITY OR CONSTRUCTION ON ANY AND ALL PUBLIC IMPROVEMENTS IF REQUIRED.
4. THE CONTRACTOR SHALL COORDINATE AND COOPERATE WITH THE ODOT AND ALL UTILITY COMPANIES WITH REGARD TO RELOCATIONS OR ADJUSTMENTS OF EXISTING UTILITIES DURING CONSTRUCTION, TO ASSURE THAT THE WORK IS ACCOMPLISHED IN A TIMELY FASHION, AND WITH A MINIMUM DISRUPTION OF SERVICE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL PARTIES AFFECTED BY ANY DISRUPTION OF ANY UTILITY SERVICE.
5. THE CONTRACTOR SHALL HAVE ONE (1) SIGNED COPY OF THE APPROVED PLANS, ONE (1) COPY OF THE APPROPRIATE STANDARDS AND SPECIFICATIONS, AND ONE (1) COPY OF ANY PERMITS AND EXTENSION AGREEMENTS NEEDED FOR THE JOB ON-SITE AT ALL TIMES.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ASPECTS OF SAFETY INCLUDING, BUT NOT LIMITED TO: EXCAVATION, TRENCHING, SHORING, TRAFFIC CONTROL, AND SECURITY.
7. IF, DURING THE CONSTRUCTION PROCESS, CONDITIONS ARE ENCOUNTERED BY THE CONTRACTOR, HIS SUBCONTRACTORS, OR OTHER AFFECTED PARTIES WHICH COULD INDICATE A SITUATION THAT IS NOT IDENTIFIED IN THE PLANS OR SPECIFICATIONS, THE CONTRACTOR SHALL CONTACT THE ENGINEER IMMEDIATELY.
8. ALL REFERENCES TO ANY PUBLISHED STANDARDS SHALL REFER TO THE LATEST REVISION OF SAID STANDARD, UNLESS SPECIFICALLY STATED OTHERWISE.
9. FOR WORK AFFECTING PUBLIC ROADWAYS OR IF REQUIRED BY THE ODOT, THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL AND PHASING PLAN IN ACCORDANCE WITH M.U.T.C.D. FOR APPROVAL PRIOR TO ANY CONSTRUCTION ACTIVITIES WITHIN OR AFFECTING THE RIGHT-OF-WAY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ANY AND ALL TRAFFIC CONTROL DEVICES AS MAY BE REQUIRED BY SAID PLANS. PRIOR TO INSTALLATION A PRE-CONSTRUCTION CONFERENCE SHALL BE HELD WITH ODOT.
10. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL LABOR AND MATERIALS NECESSARY FOR THE COMPLETION OF THE INTENDED IMPROVEMENTS SHOWN ON THESE DRAWINGS OR DESIGNATED TO BE PROVIDED, INSTALLED, CONSTRUCTED, REMOVED OR RELOCATED UNLESS SPECIFICALLY NOTED OTHERWISE.
11. PER AGENCY STANDARDS THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING ROADWAYS FREE AND CLEAR OF ALL CONSTRUCTION DEBRIS AND DIRT TRACKED FROM THE SITE.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RECORDING RECORD INFORMATION ON A SET OF RECORD DRAWINGS KEPT AT THE CONSTRUCTION SITE AND AVAILABLE TO THE ODOT INSPECTOR AT ALL TIMES.
13. DIMENSIONS FOR LAYOUT AND CONSTRUCTION ARE NOT TO BE SCALED FROM ANY DRAWING. FOR ADDITIONAL INFORMATION CONTACT THE ENGINEER FOR CLARIFICATION AND NOTE ON THE RECORD DRAWINGS.
14. ALL EROSION AND SEDIMENT CONTROL (E.S.C.) MEASURES SHALL BE INSTALLED AT THE LIMITS OF CONSTRUCTION PRIOR TO GROUND DISTURBING ACTIVITY. ALL E.S.C. MEASURES SHALL BE MAINTAINED IN GOOD REPAIR BY THE CONTRACTOR UNTIL SUCH TIME AS THE ENTIRE DISTURBED AREAS ARE STABILIZED WITH HARD SURFACE OR LANDSCAPING.
15. ALL WORK WITHIN THE PUBLIC RIGHT-OF-WAY IS SUBJECT TO THE JURISDICTION OF THE ODOT ENGINEERING DEPARTMENT STANDARD DETAILS AND SPECIFICATIONS.
16. ALL CONSTRUCTION OPERATIONS, INCLUDING THE WARMING UP, REPAIR, ARRIVAL, DEPARTURE OR RUNNING OF TRUCKS, EARTH MOVING EQUIPMENT, CONSTRUCTION EQUIPMENT AND ANY OTHER ASSOCIATED EQUIPMENT SHALL GENERALLY BE LIMITED TO THE TIME PERIOD APPROVED BY THE ODOT.



Know what's below.  
Call before you dig.

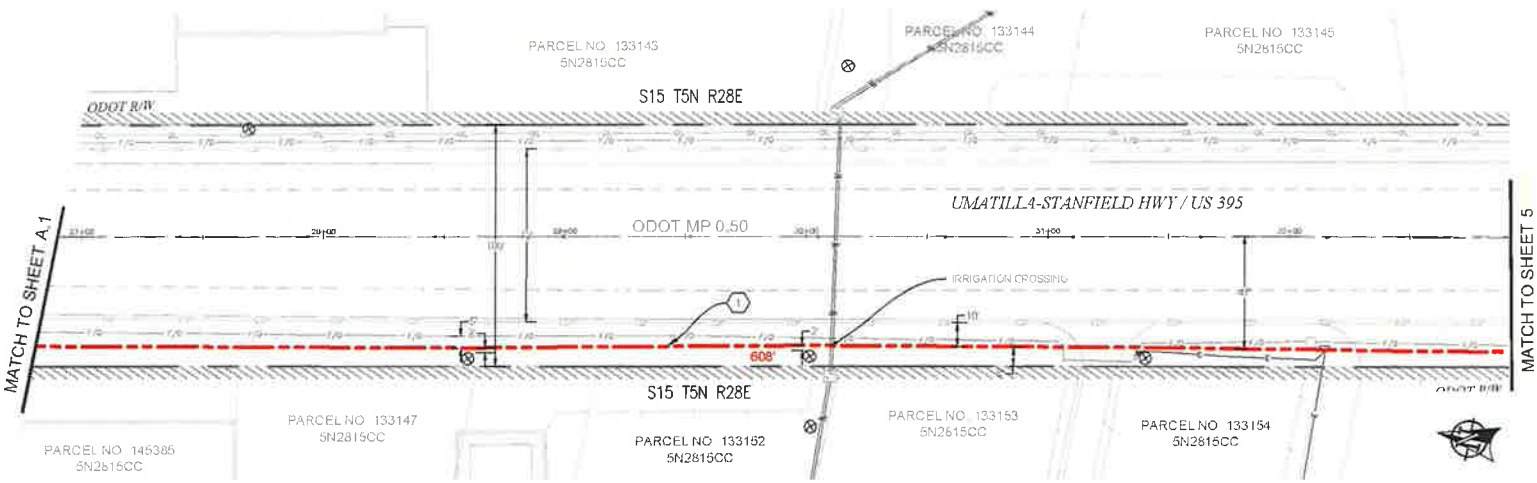
NO.	DATE	ENGINEER	DRAFTER	REVISION #	COMMENT
1	3/2/18	BB	CH	1	ORIGINAL
 					
ZAYO ENGINEER DATE BAR/CARE					
DESIGNED FROM MAP, TECHNICAL CONSULTING INC.					
PROJECT NUMBER					
LOCATION: 5235 MURPHY LANE UMATILLA, OR 97162					
DRAWING NAME: ZAYO - DEPARTMENT UMATILLA 5-A2 - 001 LATERAL CONT PLANS (S&S)					
CONFIDENTIAL/PROPRIETARY SHEET 1 OF 10					



PLAN VIEW A.1

**CONSTRUCTION NOTES**  
 ① PROPOSED BORE (2) 2" CONDUITS AND (1) 1 1/4" CONDUITS. PULL FIBER CABLE THROUGH REPAIR SURFACE PER LOCAL JURISDICTION STANDARDS. CONTRACTOR TO POT-HOLE UTILITIES PRIOR TO CONSTRUCTION.

**CONTRACTOR NOTES**  
 LINE OF SIGHT MARKERS REQUIRED EVERY 500'

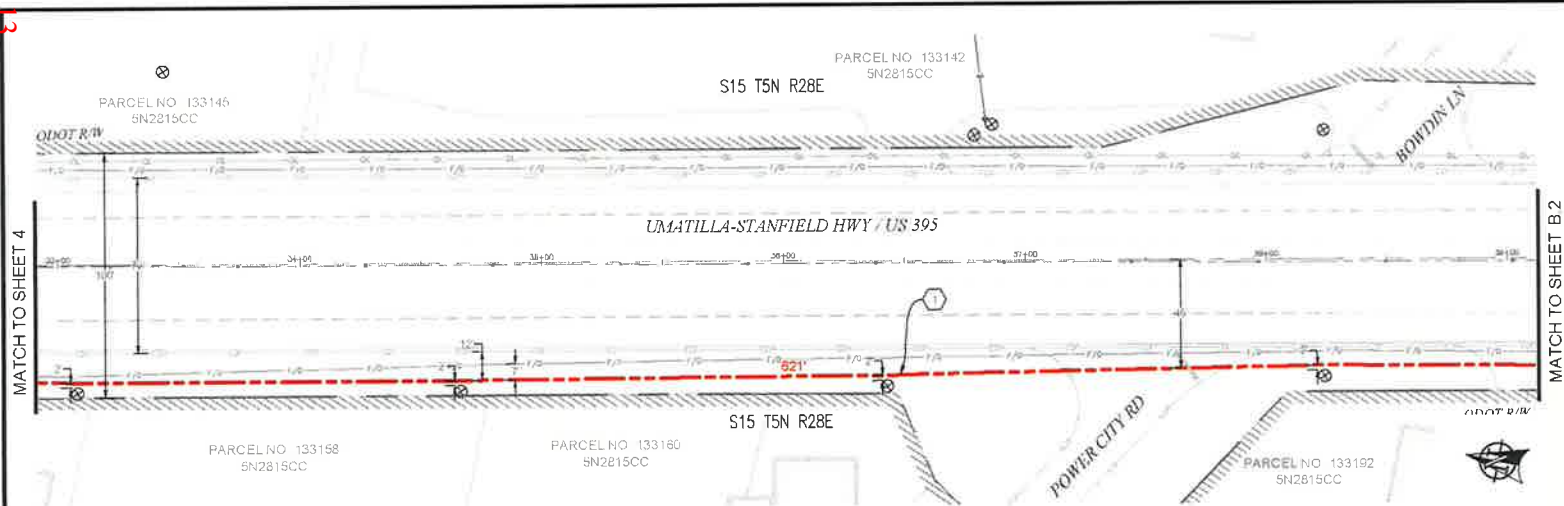


PLAN VIEW A.2

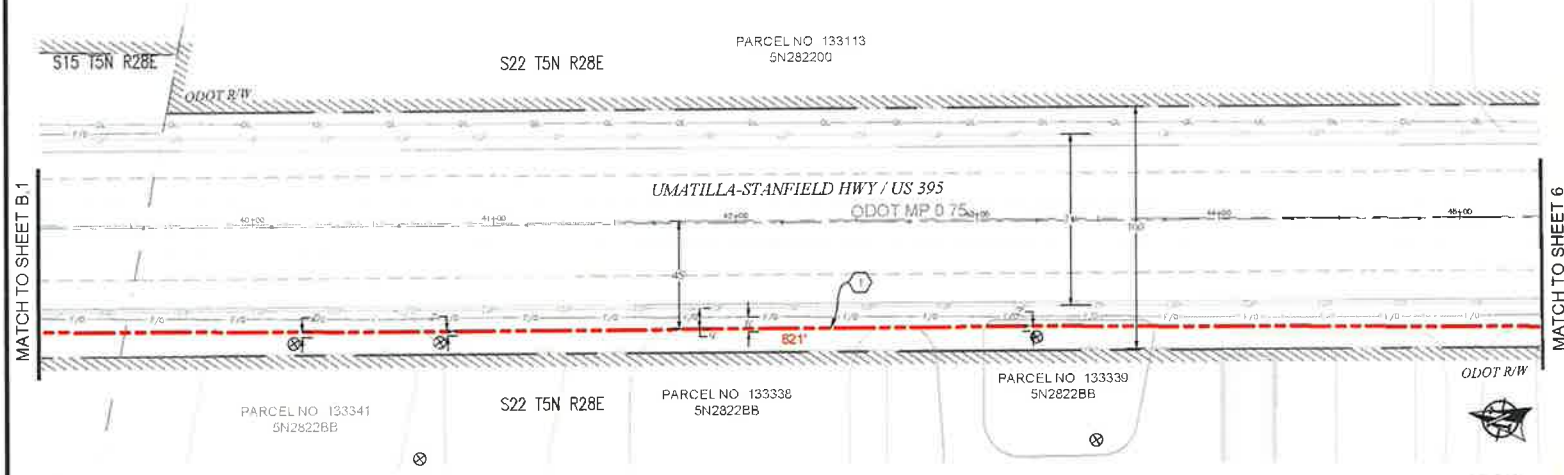
3				AS-BUILT
2				REVISION # 1
1	3/2/18	BB	CH	ORIGINAL
NO	DATE	ENGINEER	DRAWER	COMMENT
<b>zayo</b>		<b>MGE</b>		
ZAYO ENGINEER DAN BARCLAY				
ENGINEERING FIRM INCC TECHNICAL CONSULTING INC				
PROJECT TO RISE				
LOCATION: 6250 MURDER LAKE				
UMATILLA, OR 97150				
ENCLOSURE FRAME: ZAYO (B) IN UMATILLA (S) 45' EAST				
LATERAL: CONDUIT PLANS (S)				
CONFIDENTIAL/PROPRIETARY				

**811**  
 Have it first before you dig.  
 Call before you dig.  
 SCALE: 1"=50'

11



PLAN VIEW B.1



PLAN VIEW B.2

**CONSTRUCTION NOTES**

1 PROPOSED BORE (2) 2" CONDUITS AND (1) 1 1/2" CONDUITS WITH FIBER CABLE THROUGH REPAIR SURFACEL PER LOCAL JURISDICTION STANDARDS. CONTRACTOR TO POIHOIT UTILITIES PRIOR TO CONSTRUCTION

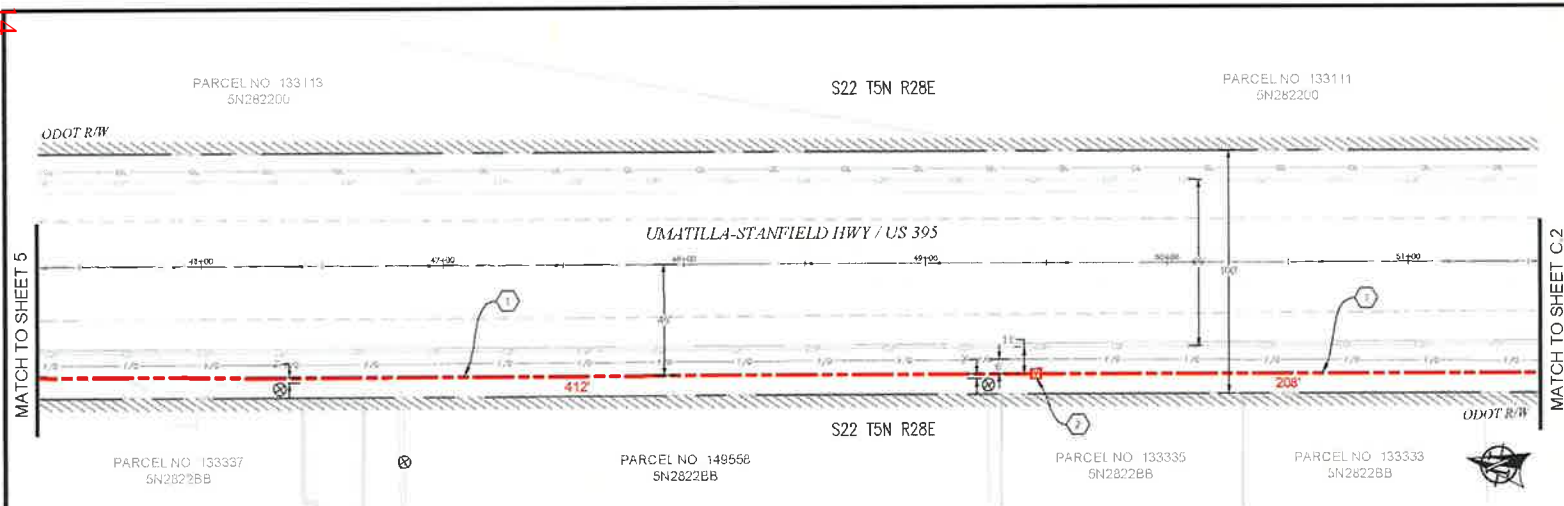
**CONTRACTOR NOTES**

LINE OF SIGHT MARKERS REQUIRED EVERY 500'

1				AS-BUILT
2				REVISION # 1
3	3/2/18	BB	CH	ORIGINAL
NO.	DATE	ENGINEER	DRAFTER	COMMENT
<b>zayo</b> GROUP				
<b>MGC</b>				
ZAYO ENGINEER: DANI BARCOB				
ENGINEER'S FIRM: M/G TECHNICAL CONSULTANTS				
PROJECT NUMBER:				
LOCATION: 4383 MURDER LANE				
UMATILLA, OR 97152				
DRAWN BY: FRANK ZAYO				
REVISIONS TO UMATILLA 54' EAST				
LAYOUT: 4/27/18/18				
CONFIDENTIAL/PROPRIETARY				
				SHEET 1 OF 10



11



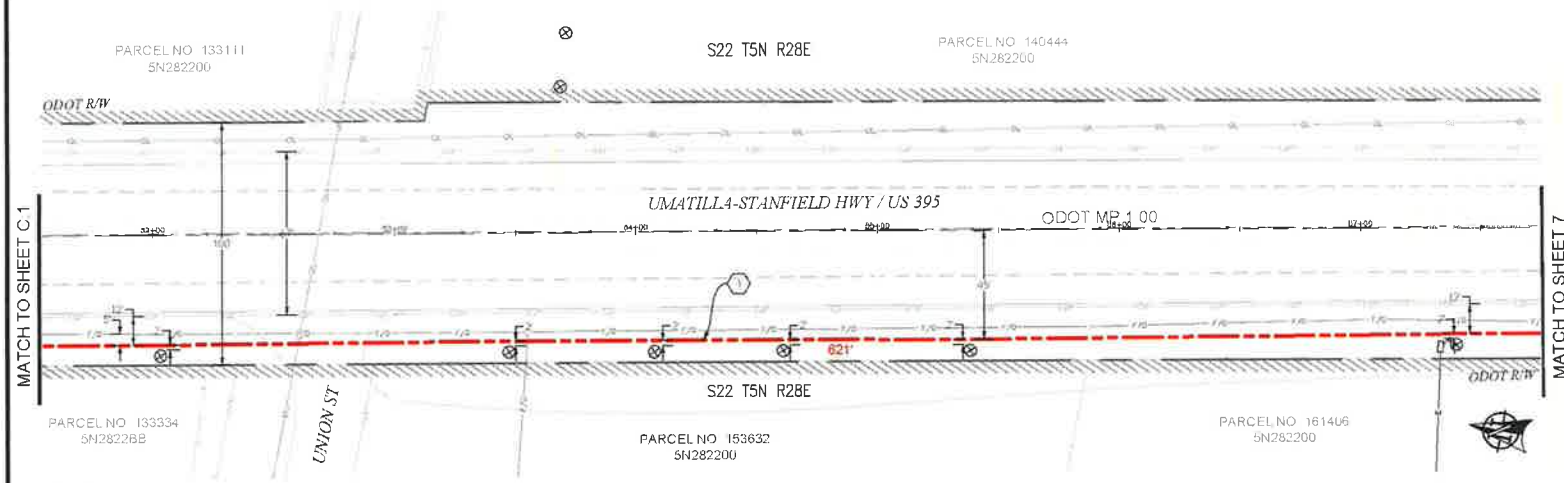
PLAN VIEW C.1

- CONSTRUCTION NOTES**
- 1 PROPOSED BORE (2) 2" CONDUITS AND (1) 1 1/4" CONDUITS. PULL FIBER CABLE THROUGH. REPAIR SURFACE PER LOCAL JURISDICTION STANDARDS. CONTRACTOR TO PATCH UTILITIES PRIOR TO CONSTRUCTION.
  - 2 PROPOSED PLACE (1) 30" X 48" BULK SERIES / VAULT OR 6/6 1A VAULT. COIL 100' OF FIBER THROUGH. SEE VAULT DETAILS ON SHEET 10.

**CONTRACTOR NOTES**

LINE OF SIGHT MARKERS REQUIRED EVERY 500'

ADD 1" OF COMPACT GRAVEL AND WIRE MESH ON THE FLOOR OF EACH VAULT.



PLAN VIEW C.2

1				AS-BUILT
2				REVISION # 1
3	3/2/18	BB	CH	ORIGINAL
NO	DATE	ENGINEER	DRAFTER	COMMENT
		<b>ZAYO GROUP</b>		<b>MGC</b>
ZAYO ENGINEER DAN BARCLAY				
ENGINEERING FIRM MGT. TECHNICAL CONSULTING INC.				
PROJECT NUMBER				
LOCATION 82353 MUNGER LANE				
UMATILLA OK 9782				
DRAWING NAME EXIST. REVISION TO UMATILLA SWP EAST				
NATURAL COAST PLANLONG				
CONFIDENTIAL-NOFORN RELEASE				
				SHEET 6 OF 81

**811**

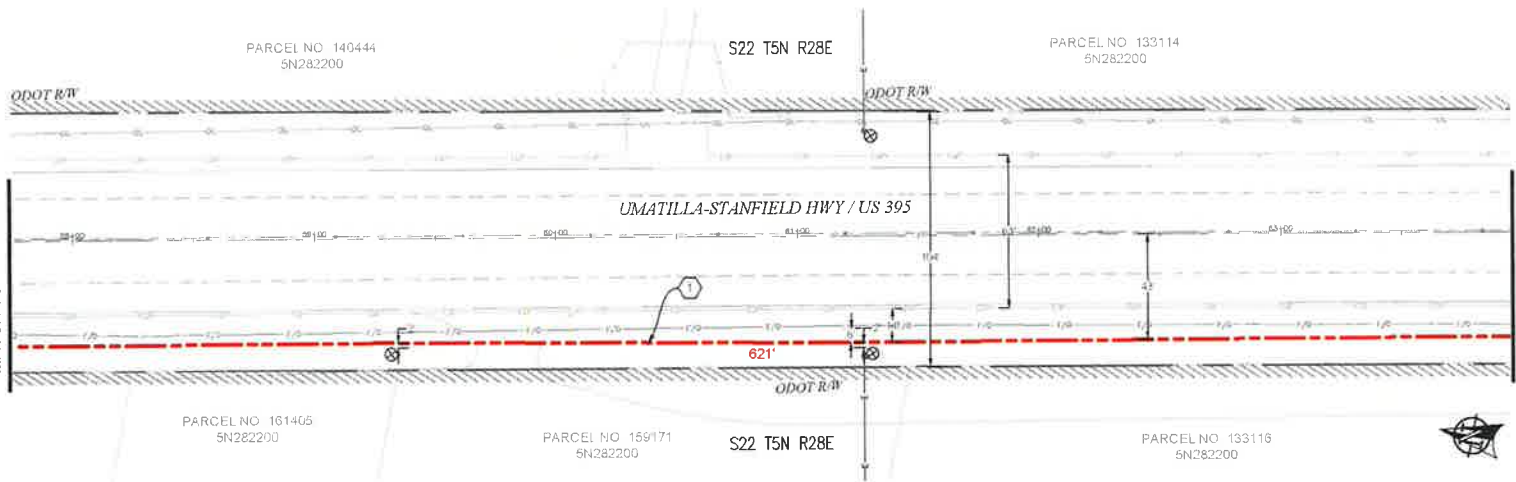
Know what's below.  
Call before you dig.

SCALE: 1"=50'

811

MATCH TO SHEET 6

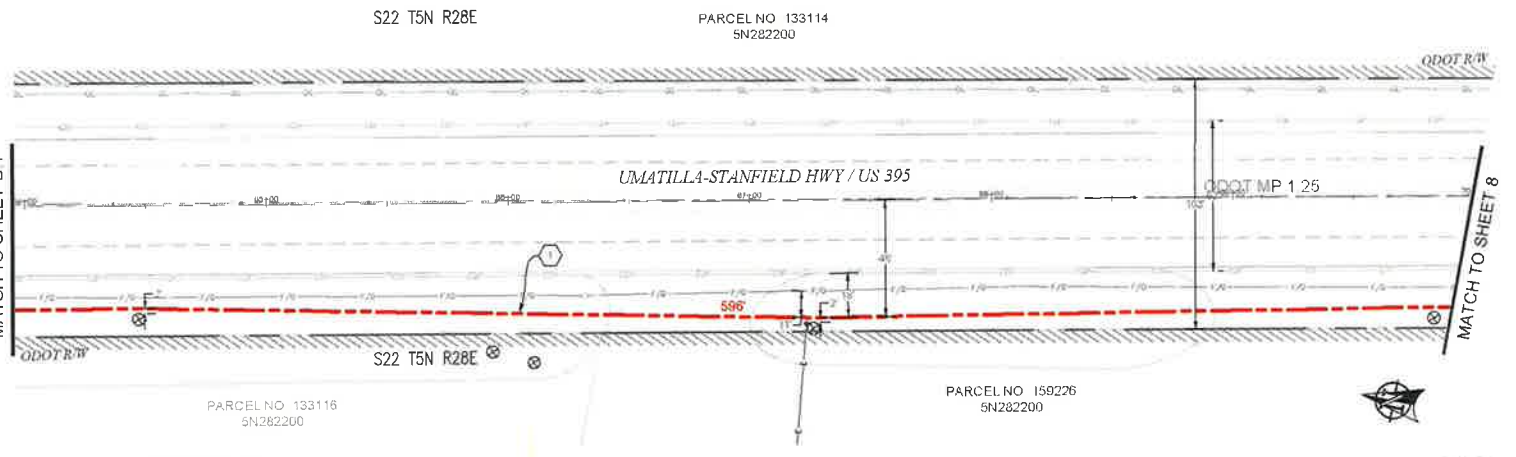
MATCH TO SHEET D.2



PLAN VIEW D.1

MATCH TO SHEET D.1

MATCH TO SHEET 8



PLAN VIEW D.2

**CONSTRUCTION NOTES**

1 PROPOSED BORE (2) 2" CONDUITS AND (1) 1 1/2" CONDUITS. PULL FIBER CABLE THROUGH. REPAIR SURFACE PER LOCAL JURISDICTION STANDARDS. CONTRACTOR TO POT HOLE UTILITIES PRIOR TO CONSTRUCTION.

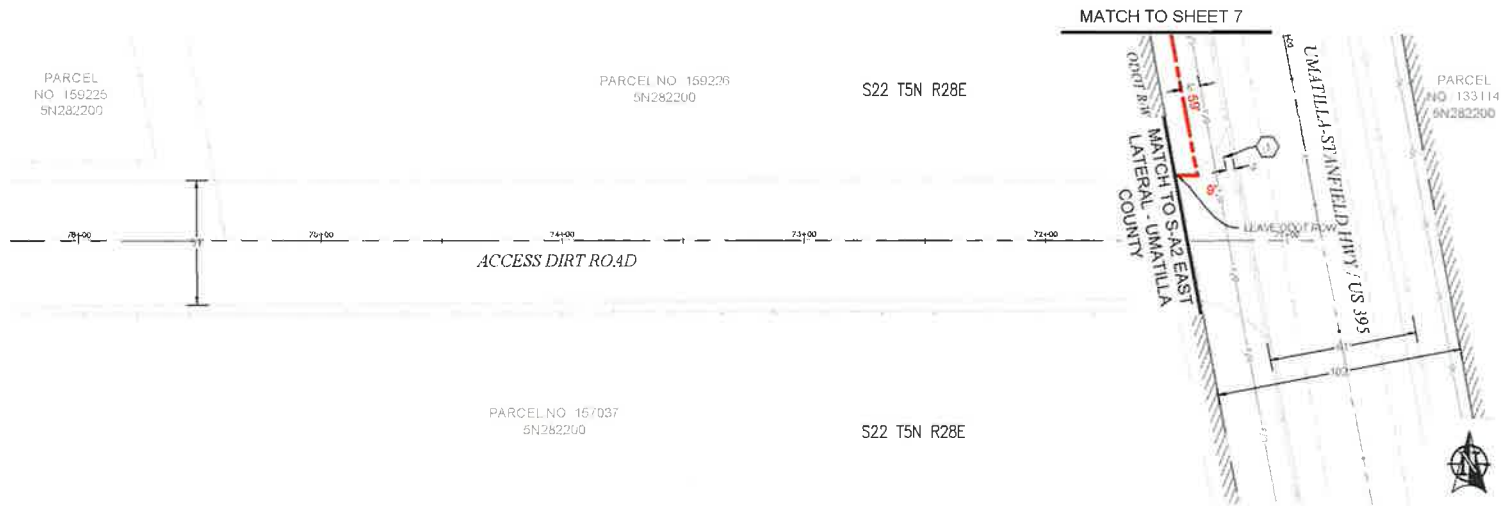
**CONTRACTOR NOTES**

LINE OF SIGHT MARKERS REQUIRED EVERY 500'

3				AS-BUILT
2				REVISION # 1
1	3/2/18	BB	OH	ORIGINAL
NO	DATE	ENGINEER	DRAFTER	COMMENT
ZAYO ENGINEER: DAN BARCLAY				
ENGINEERING FIRM: MGE TECHNICAL CONSULTING				
PROJECT NUMBER:				
LOCATION: 1395 MURDER LAKE, UMATILLA, OR 97887				
DRAWN BY: ZAYO (DRAWN BY: DAN BARCLAY)				
DATE: 3/2/18				
CONFIDENTIAL/PROPRIETARY				

**811**  
Know what's below.  
Call before you dig.

SCALE: 1"=50'



### PLAN VIEW E.1

**CONSTRUCTION NOTES**

1 PROPOSED BORE (2) 2" CONDUITS AND (1) 1 3/4" CONDUITS. PULL FIBER CABLE THROUGH. REPAIR SURFACE PER LOCAL JURISDICTION STANDARDS. CONTACT FOR TO POTENTIAL UTILITIES PRIOR TO CONSTRUCTION.

**CONTRACTOR NOTES**

LINE OF SIGHT MARKERS REQUIRED EVERY 500'

3				AS-BUILT
2				REVISION # 1
1	3/2/18	BB	CH	ORIGINAL
REV	DATE	ENGINEER	DRAFTER	COMMENT

**zayo GROUP** **MGE**

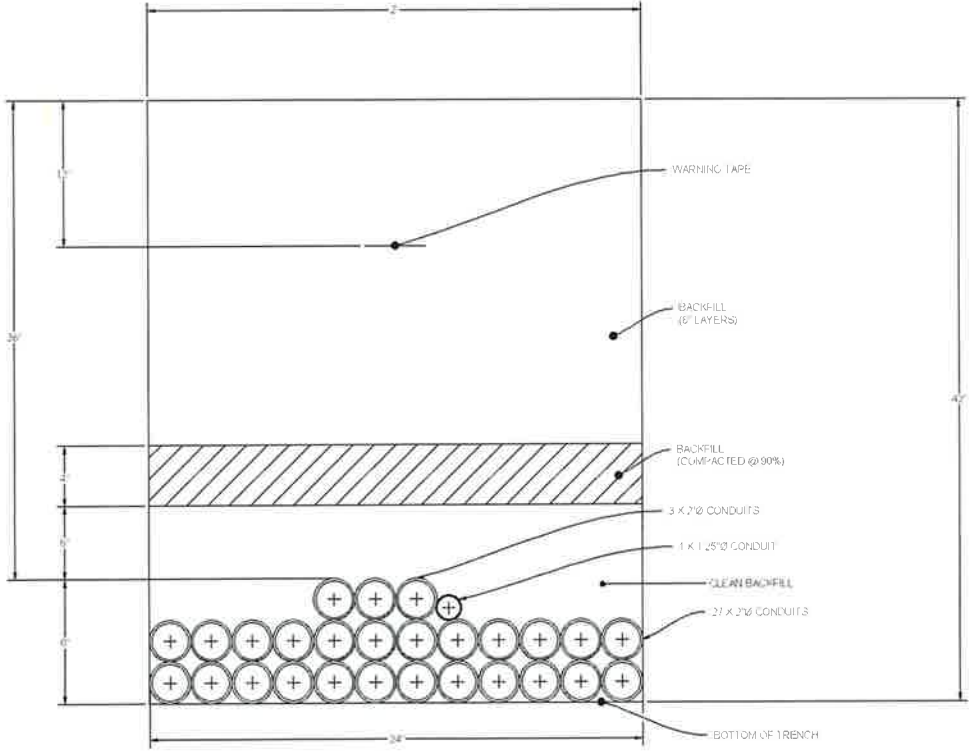
ZAYO ENGINEER (DAN BARCLAY)  
 ENGINEERING, FSM, T&E, TECHNICAL CONSULTING, INC.  
 PROJECT NUMBER  
 LOCATION: 6255 MILLER LANE  
 UMATILLA, OR 97142  
 DRAWING NAME: ZAYO - WORKING TO UMATILLA - S-A1 - EAST LATERAL - LIGHT PLANS.dwg  
 CONFIDENTIAL/PROMISE LAH

**811**  
 Know what's below.  
 Call before you dig.

SCALE: 1"=50'



# DUCT SYSTEM DETAILS



**DUCT BANK TRENCH DETAIL #1**

SCALE: NTS



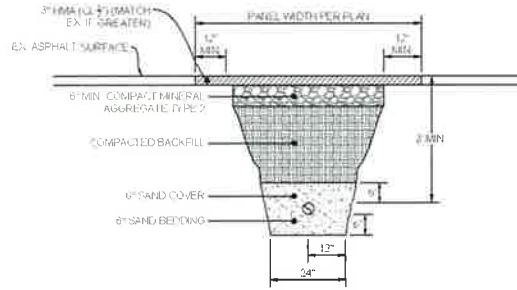
Know what's below.  
Call before you dig.

NO.	DATE	ENGINEER	DRAFTER	COMMENT
1	3/2/18	BB	CH	ORIGINAL
2				AS-BUILT

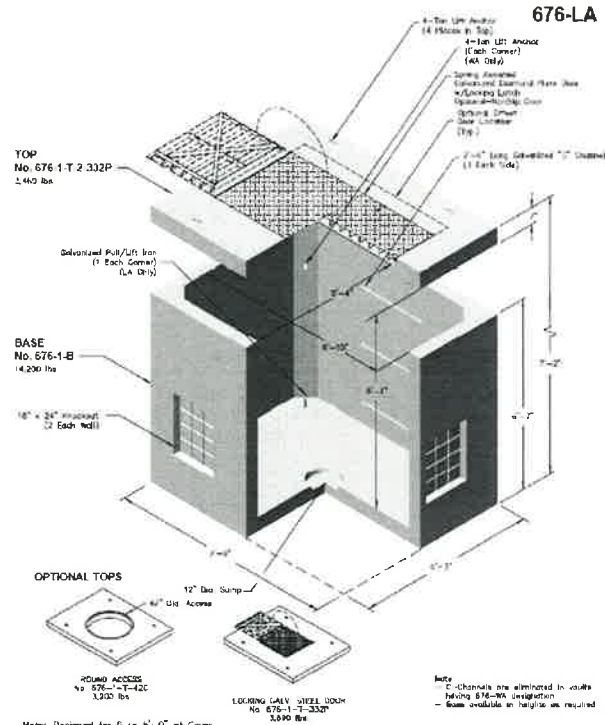
ZAYO ENGINEER (S&I) (BARCANE)			
DESIGNED FROM M&Z TECHNICAL CONSULTING INC.			
PROJECT NUMBER:			
LOCATION: 6235 MURDER LANE (MATILLA, OR 97827)			
DRAWING DATE: ZAYO: 03/02/2018 (MATELA: 04/05/2018)			
(CONFIDENTIAL/PROPRIETARY)			

# UNDERGROUND TYPICALS



TYPICAL PATCH TRENCH DETAIL

SCALE: NTS

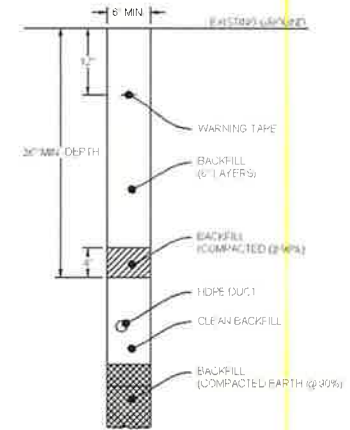


Note: Designed for 0 to 5'-0" of Cover

<p>PO Box 333 Wilsonville, Oregon 97070-0333 Tel: (503) 682-2944 Fax: (503) 682-2954</p>	676-LA	676-LA
	File Name: 033-676-1LA	5 x 7 x 6
	Issue Date: 2010	POWER WATER GAS
	oldcastleprecast.com/wilsonville	

TYPICAL 676LA VAULT

SCALE: NTS



TYPICAL TRENCH IN SOIL DETAIL

SCALE: NTS

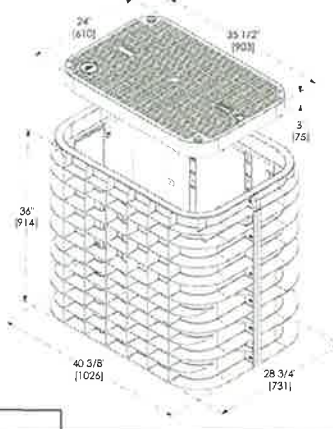
## BODY SPECIFICATIONS

Cover Weight	50 lbs	[23 kg]
Pit Weight	82 lbs	[37 kg]
Assembled Weight	132 lbs	[60 kg]

Dimension shown inside



BULK 4 Vault Body  
36" (914 mm) Depth  
Shown



TYPICAL BULK - SERIES 4 VAULT DETAIL

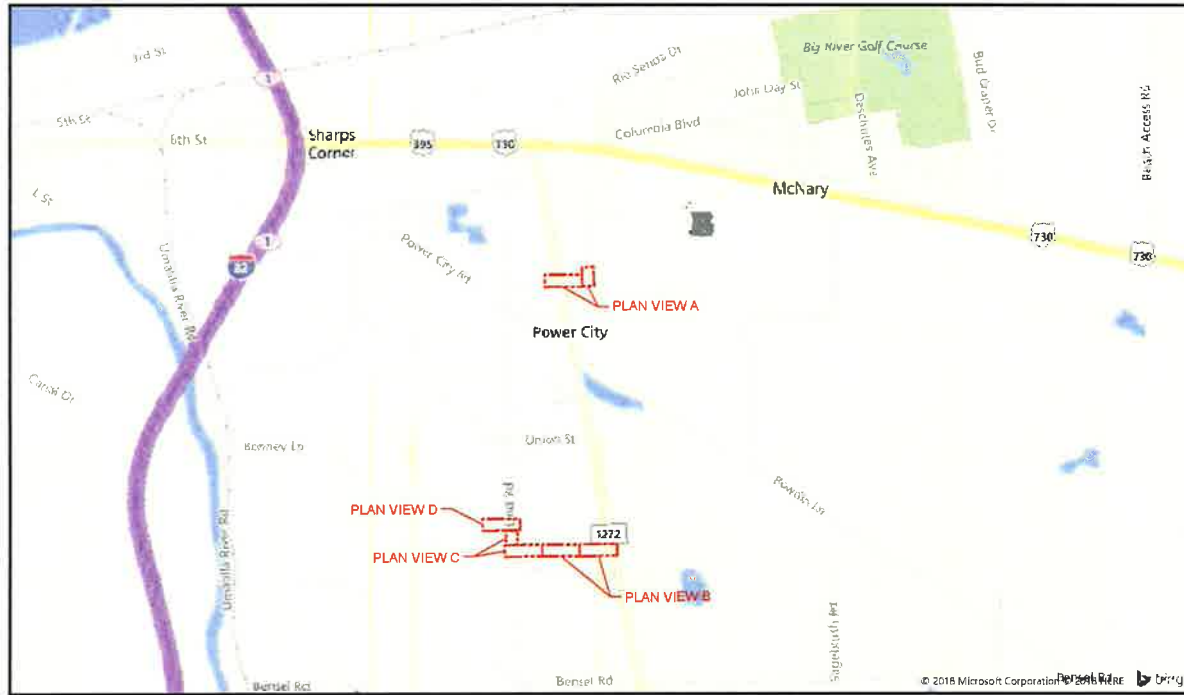
SCALE: NTS



Know what's below.  
Call before you dig.

3				AS-BUILT
2				REVISION # 1
1	3/2/18	BB	CH	ORIGINAL
NO	DATE	ENGINEER	DRAWER	COMMENT
ZAYO ENGINEER DAN BARKER				
ENGINEERING FIRM MGS TECHNICAL CONSULTING INC				
PROJECT NUMBER				
LOCATION: 1255 MURDER LAKE				
UMATILLA, OR 97882				
DRAWING NAME: ZAYO BULK 4 VAULT UMATILLA 542 - EAST				
LAYOUT: SPOT PLATS.dwg				
CONFIDENTIAL/PROPRIETARY				

ADDRESS: 82353 MUNGER LANE, UMATILLA, OR 97882  
 PROJECT NAME: BOARDMAN TO UMATILLA - UMATILLA COUNTY - SEG A2 - EAST LATERAL - BULK CONDUIT



## SITE LOCATION BILL OF MATERIALS

NEW AERIAL	=	0 FT.
OVERLASH	=	0 FT.
NEW UNDERGROUND	=	2,434 FT.
EXISTING UNDERGROUND	=	0 FT.
RISERS	=	0 FT.
ISP	=	0 FT.
<b>TOTAL FOOTAGE</b>	<b>=</b>	<b>2,434 FT.</b>

**CONTACTS**

ZAYO CONTACT:  
 DAN BARCOMB  
 22651 83RD AVE S  
 KENT WA 98032  
 C 509 727 3345  
 DAN.BARCOMB@ZAYO.COM

BRYSON BAILY  
 MGC TECHNICAL CONSULTING, INC.  
 6244 185TH AVE NE  
 REDMOND WA 98052  
 C 206 799 3001  
 BRYSON@MGCTECHNICAL.COM

- SHEET INDEX**
- 1 COVER SHEET / SITE LOCATION
  - 2 LEGEND
  - 3 GENERAL NOTES
  - 4-7 PLAN VIEWS A-D
  - 8 DUCT SYSTEM DETAILS
  - 9 UNDERGROUND TYPICALS

**SCOPE OF WORK:**

PLACE CONDUIT AND VAULTS, SOUTH THEN WEST ON WILDWOOD LN. FROM SEG-A2 EAST LATERAL UMATILLA CITY PLANS TO SEG-A2 EAST LATERAL GOOT PLANS, THEN WEST ON THE NORTH SIDE OF ACCESS DIRT ROAD, NORTH ON THE WEST SIDE OF LIND RD TO THE SOUTH SITE ENTRANCE ON THE WEST SIDE OF LIND RD. PULL FIBER CABLE THROUGHOUT.



				AS-BUILT
				REVISION # 1
NO	DATE	ENGINEER	DRAFTER	COMMENT
1	3/1/18	BB	CH	ORIGINAL

**zayo** **MGC**

ZAYO ENGINEER DAN BARCOMB  
 ENGINEERING FIRM MGC TECHNICAL CONSULTING INC  
 PROJECT NUMBER  
 LOCATION 82353 MUNGER LANE  
 UMATILLA, OR 97882

TITLE SHEET NAME ZAYO - BOARDMAN TO UMATILLA - SEG A2 - EAST LATERAL - UMATILLA COUNTY - PLAN 010  
 DATE 3/1/18  
 PROJECT NUMBER 18010  
 SHEET 1 OF 9

# LEGEND

## LINETYPES

	AERIAL FIBER - EXISTING
	AERIAL FIBER - ATTACH
	AERIAL FIBER - OVERLASH
	STRAND - EXISTING
	STRAND - PROPOSED
	CONDUIT - EXISTING
	CONDUIT - PROPOSED
	INNERDUCT - EXISTING
	INNERDUCT - PROPOSED
	GAS
	WATER
	TELEPHONE
	FIBER OPTIC
	ELECTRIC
	SANITARY SEWER (SEW)
	STORM DRAIN
	CABLE TV
	STEAM
	OIL
	UNKNOWN UTILITY
	FENCE
	RIGHT OF WAY
	EDGE OF PAVEMENT

## ABBREVIATIONS

ASW	ASPHALT SIDEWALK
BIP	BLACK IRON PIPE
BSP	BLACK STEEL PIPE
CSW	CONCRETE SIDEWALK
ELECT.	ELECTRIC
EOP	EDGE OF PAVEMENT
EDTW	EDGE OF TRAVEL WAY
FOC	FACE OF CURB
F/O	FIBER OPTIC
HDPE	HIGH DENSITY POLYETHYLENE
HH	HANDHOLE
JB	JUNCTION BOX
MH	MANHOLE
MP	MILE POST
O/S	OFFSET
PR	POWER RISER
PVC	POLY VINYL CHLORIDE
RGS	RIGID GALVANIZED STEEL CONDUIT
ROW	RIGHT OF WAY
SEW	SANITARY SEWER
SD	STORM DRAIN
STA	STATION
STM	STEAM
TEL	TELECOM

## SYMBOLS

	RISER - EXISTING		TRANSMISSION/DISTRIBUTION POLE
	RISER - PROPOSED		TRANSMISSION POLE
	CATCH BASIN/INLET (RECTANGULAR)		DISTRIBUTION POLE
	CATCH BASIN/INLET (ROUND)		GROUND/BOND
	FIRE HYDRANT		AERIAL STORAGE - EXISTING
	WATER/GAS VALVE		AERIAL STORAGE - PROPOSED
	LIGHT POST		VAULT/BUILDING STORAGE - EXISTING
	STREET LIGHT		VAULT/BUILDING STORAGE - PROPOSED
	TRAFFIC LIGHT ARM		POLE ANCHOR/DOWN GUY - EXISTING
	TREE		POLE ANCHOR/DOWN GUY - PROPOSED
	CULVERT		DOWN GUY TO EXISTING ANCHOR - PROPOSED
	WING WALL		SPLICE POINT - EXISTING
	BRIDGE		SPLICE POINT - PROPOSED
	STREET SIGN		TERMINATION - EXISTING
	ADA RAMP		TERMINATION - PROPOSED
	UTILITY POLE - EXISTING		PULLBOX - EXISTING
	UTILITY POLE - PROPOSED		PULLBOX - PROPOSED
	TRAFFIC RATED VAULT - EXISTING (SIZE AND UTILITY TYPE MAY VARY)		CONSTRUCTION NOTE / RESTORATION CALLOUT
	TRAFFIC RATED VAULT - PROPOSED (SIZE MAY VARY)		PHOTO-MARKER
	HANDHOLE - EXISTING (SIZE AND UTILITY TYPE MAY VARY)		NORTH ARROW
	HANDHOLE - PROPOSED (SIZE MAY VARY)		
	PEDESTAL - EXISTING (SIZE AND UTILITY TYPE MAY VARY)		
	PEDESTAL - PROPOSED (SIZE MAY VARY)		
	WET UTILITY MANHOLE - EXISTING (SIZE AND UTILITY TYPE MAY VARY)		
	BORE PIT - PROPOSED (SIZE MAY VARY)		
	UTILITY POTHOLE		

## INFORMATION TABLES

POLE NUMBER		#
EXISTING UTILITY		0'-0"
PROPOSED ATTACH		0'-0"

UTILITY POLE INFORMATION TABLE  
(NUMBER OF ATTACHMENTS MAY VARY)

#F	IN:	SEQUENTIAL IN/OUT CALLOUT
	OUT:	

#F	IN:	SEQUENTIAL IN/TAI CALLOUT
	TAIL:	

#F	TAIL:	SEQUENTIAL TAIL/OUT CALLOUT
	OUT:	

## HATCH PATTERNS



1				AS-BUILT
2				REVISION # 1
1	3/1/18	BB	CH	ORIGINAL
NO	DATE	ENGINEER	DRAFTER	COMMENT
<b>ZAYO GROUP</b> <b>MGC</b>				
ZAYO ENGINEERING, DRAFTING & DESIGN, LLC				
ENGINEERING, SURVEYING, ARCHITECTURAL, CONSULTING & CONSTRUCTION				
PROJECT NUMBER:				
LOCATION: 4255 NUMBER 1 AVE				
UMATILLA, OR 97152				
LATITUDE: 42.55 N				
LONGITUDE: 121.85 W				
DATE: 3/1/18				
DRAWN BY: BB				
CHECKED BY: CH				
SCALE: 1" = 10'				

# GENERAL NOTES

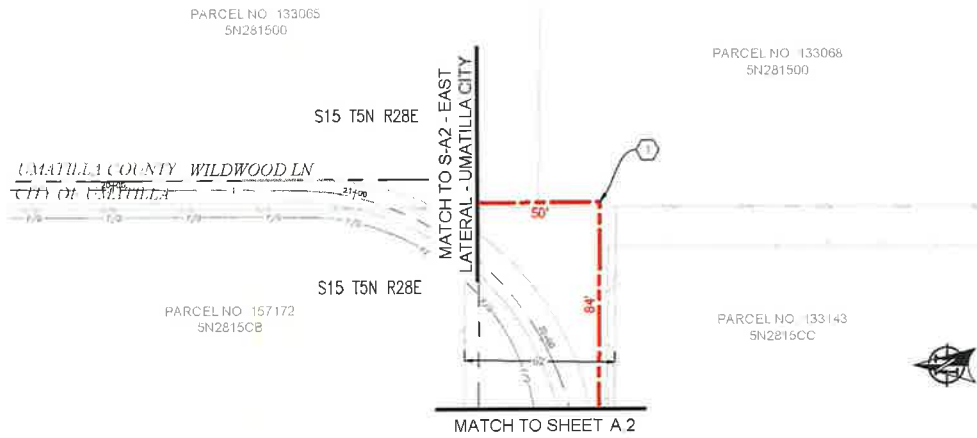
**GENERAL NOTES:**

The locations of utilities shown on these drawing are only approximate. MGC TECHNICAL CONSULTING, INC. hereby disclaims any responsibility to third parties for the accuracy of this information. Persons working in the area covered by this drawing must contact the statewide Call-Before-You-Dig System to ascertain the location of underground utilities prior to performing any excavation.

1. ALL MATERIALS, WORKMANSHIP, AND CONSTRUCTION OF UTILITY IMPROVEMENTS SHALL MEET OR EXCEED SITE WORK STANDARDS AND THE STANDARDS AND SPECIFICATIONS SET FORTH IN THE CITY OF UMATILLA REGULATIONS AND APPLICABLE STATE AND FEDERAL REGULATIONS. WHERE THERE IS CONFLICT BETWEEN THESE PLANS AND THE SPECIFICATIONS, OR ANY APPLICABLE STANDARDS, THE HIGHER QUALITY STANDARD SHALL APPLY. ALL WORK WITHIN PUBLIC R.O.W. OR EASEMENTS MAY REQUIRE INSPECTION AND APPROVED BY THE CITY OF UMATILLA INSPECTOR. INSPECTION SERVICES AND CONSTRUCTION CERTIFICATION TO BE PROVIDED BY DESIGNEE OF PROJECT SPONSOR/OWNER.
2. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES, AS SHOWN ON THESE PLANS, IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED UPON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE LOCAL UTILITY LOCATION CENTER AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF EXISTING UTILITIES. THE CONTRACTOR SHALL VERIFY PERTINENT LOCATIONS AND ELEVATIONS, ESPECIALLY AT THE CONNECTION POINTS AND AT POTENTIAL UTILITY CONFLICTS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES THAT CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THESE PLANS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM ALL APPLICABLE AGENCIES. THE CONTRACTOR SHALL NOTIFY THE CITY OF UMATILLA INSPECTOR AT LEAST 48 HOURS PRIOR TO THE START OF ANY EARTH DISTURBING ACTIVITY OR CONSTRUCTION ON ANY AND ALL PUBLIC IMPROVEMENTS IF REQUIRED.
4. THE CONTRACTOR SHALL COORDINATE AND COOPERATE WITH THE CITY OF UMATILLA AND ALL UTILITY COMPANIES WITH REGARD TO RELOCATIONS OR ADJUSTMENTS OF EXISTING UTILITIES DURING CONSTRUCTION, TO ASSURE THAT THE WORK IS ACCOMPLISHED IN A TIMELY FASHION, AND WITH A MINIMUM DISRUPTION OF SERVICE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL PARTIES AFFECTED BY ANY DISRUPTION OF ANY UTILITY SERVICE.
5. THE CONTRACTOR SHALL HAVE ONE (1) SIGNED COPY OF THE APPROVED PLANS, ONE (1) COPY OF THE APPROPRIATE STANDARDS AND SPECIFICATIONS, AND ONE (1) COPY OF ANY PERMITS AND EXTENSION AGREEMENTS NEEDED FOR THE JOB ON-SITE AT ALL TIMES.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ASPECTS OF SAFETY INCLUDING, BUT NOT LIMITED TO: EXCAVATION, TRENCHING, SHORING, TRAFFIC CONTROL, AND SECURITY.
7. IF, DURING THE CONSTRUCTION PROCESS, CONDITIONS ARE ENCOUNTERED BY THE CONTRACTOR, HIS SUBCONTRACTORS, OR OTHER AFFECTED PARTIES WHICH COULD INDICATE A SITUATION THAT IS NOT IDENTIFIED IN THE PLANS OR SPECIFICATIONS, THE CONTRACTOR SHALL CONTACT THE ENGINEER IMMEDIATELY.
8. ALL REFERENCES TO ANY PUBLISHED STANDARDS SHALL REFER TO THE LATEST REVISION OF SAID STANDARD, UNLESS SPECIFICALLY STATED OTHERWISE.
9. FOR WORK AFFECTING PUBLIC ROADWAYS OR IF REQUIRED BY THE CITY OF UMATILLA, THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL AND PHASING PLAN IN ACCORDANCE WITH M.U.T.C.D. FOR APPROVAL. PRIOR TO ANY CONSTRUCTION ACTIVITIES WITHIN OR AFFECTING THE RIGHT-OF-WAY, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ANY AND ALL TRAFFIC CONTROL DEVICES AS MAY BE REQUIRED BY SAID PLANS. PRIOR TO INSTALLATION A PRE-CONSTRUCTION CONFERENCE SHALL BE HELD WITH CITY OF UMATILLA.
10. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL LABOR AND MATERIALS NECESSARY FOR THE COMPLETION OF THE INTENDED IMPROVEMENTS SHOWN ON THESE DRAWINGS OR DESIGNATED TO BE PROVIDED, INSTALLED, CONSTRUCTED, REMOVED OR RELOCATED UNLESS SPECIFICALLY NOTED OTHERWISE.
11. PER AGENCY STANDARDS THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING ROADWAYS FREE AND CLEAR OF ALL CONSTRUCTION DEBRIS AND DIRT TRACKED FROM THE SITE.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RECORDING RECORD INFORMATION ON A SET OF RECORD DRAWINGS KEPT AT THE CONSTRUCTION SITE AND AVAILABLE TO THE CITY OF UMATILLA INSPECTOR AT ALL TIMES.
13. DIMENSIONS FOR LAYOUT AND CONSTRUCTION ARE NOT TO BE SCALED FROM ANY DRAWING. FOR ADDITIONAL INFORMATION CONTACT THE ENGINEER FOR CLARIFICATION AND NOTE ON THE RECORD DRAWINGS.
14. ALL EROSION AND SEDIMENT CONTROL (E.S.C.) MEASURES SHALL BE INSTALLED AT THE LIMITS OF CONSTRUCTION PRIOR TO GROUND DISTURBING ACTIVITY. ALL E.S.C. MEASURES SHALL BE MAINTAINED IN GOOD REPAIR BY THE CONTRACTOR UNTIL SUCH TIME AS THE ENTIRE DISTURBED AREAS ARE STABILIZED WITH HARD SURFACE OR LANDSCAPING.
15. ALL WORK WITHIN THE PUBLIC RIGHT-OF-WAY IS SUBJECT TO THE JURISDICTION OF THE CITY OF UMATILLA ENGINEERING DEPARTMENT STANDARD DETAILS AND SPECIFICATIONS.
16. ALL CONSTRUCTION OPERATIONS, INCLUDING THE WARMING UP, REPAIR, ARRIVAL, DEPARTURE OR RUNNING OF TRUCKS, EARTH MOVING EQUIPMENT, CONSTRUCTION EQUIPMENT AND ANY OTHER ASSOCIATED EQUIPMENT SHALL GENERALLY BE LIMITED TO THE TIME PERIOD APPROVED BY THE CITY OF UMATILLA.



		AS-BUILT	
		REVISION # 1	
1	3/1/10	BB	CH ORIGINAL
NO.	DATE	ENGINEER	DRAFTER COMMENT
<b>zayo</b>		<b>MGC</b>	
DRAWN BY: DAN BARKER		MGC TECHNICAL CONSULTING, INC.	
EXTRACTED FROM MGC TECHNICAL CONSULTING INC.			
PROJECT NUMBER:			
LOCATION: 6235 MANAGER LANE			
UMATILLA, OR 97882			
DRAWN BY: ZAYO CONSULTING UMATILLA, OR EAST			
LAT: 46.141000 LONG: 121.881000			
DATE: 3/1/10			
SHEET 3 OF 3			



PLAN VIEW A.1



PLAN VIEW A.2

- CONSTRUCTION NOTES**
- 1 PROPOSED NEW (2) 2" CONDUITS AND (1) 1 1/4" CONDUITS. PULL FIBER CABLE THROUGH REPAIR SURFACE PER LOCAL JURISDICTION STANDARDS. CONTACT FOR TO POTHOLE UTILITIES PRIOR TO CONSTRUCTION.
  - 2 PROPOSED PLACE (1) 30" X 48" BULK SERIES / VAULT OR 6/6 LA VAULT, COIL 100' OF FIBER THROUGH. SEE VAULT DETAILS ON SHEET 9.

**CONTRACTOR NOTES**

LINE OF SIGHT MARKERS REQUIRED EVERY 500'

ADD 1" OF COMPACT GRAVEL AND WIRE MESH ON THE FLOOR OF EACH VAULT.

NO.	DATE	ENGINEER	DRAFTER	REVISION #	COMMENT
1	3/1/18	SB	CH	AS-BUILT	REVISION # 1
2				ORIGINAL	

**zayo GROUP** **MGE**

ZAYO ENGINEER: DAN BANCOS  
 ENGINEERING FIRM: MGE TECHNICAL CONSULTING INC  
 PROJECT NUMBER:  
 LOCATION: 82552 MUNGER LAKE  
 UMATILLA, OR 97882

DRAWN BY: EMMY  
 CHECKED BY: DAN BANCOS  
 DATE: 3/1/18

UMATILLA COUNTY PLANS

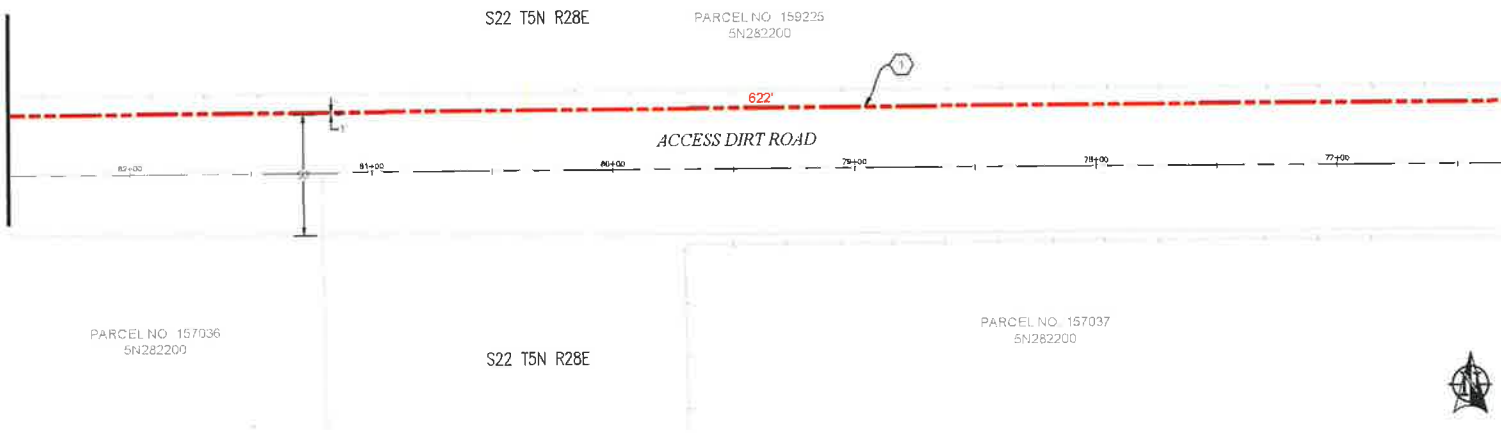
123

MATCH TO SHEET B.2



PLAN VIEW B.1

MATCH TO SHEET 6



PLAN VIEW B.2

- CONSTRUCTION NOTES**
- 1 PROPOSED NEW (2) 1" 2" CONDUITS AND (1) 1" 3/4" CONDUITS. PULL FIBER CABLE THROUGH. REPAIR SURFACE PER LOCAL JURISDICTION STANDARDS. CONTRACTOR TO PATCH/REPAIR UTILITIES PRIOR TO CONSTRUCTION.
  - 2 PROPOSED PLACE (1) 30" X 48" BULK SERIES 7 VAULT OR 6/6-1A VAULT. COIL 100' OF FIBER THROUGH. SEE VAULT DETAILS ON SHEET 9.

**CONTRACTOR NOTES**

LINE OF SIGHT MARKERS REQUIRED EVERY 500'

ADD 1" OF COMPACT GRAVEL AND WIRE MESH ON THE FLOOR OF EACH VAULT.

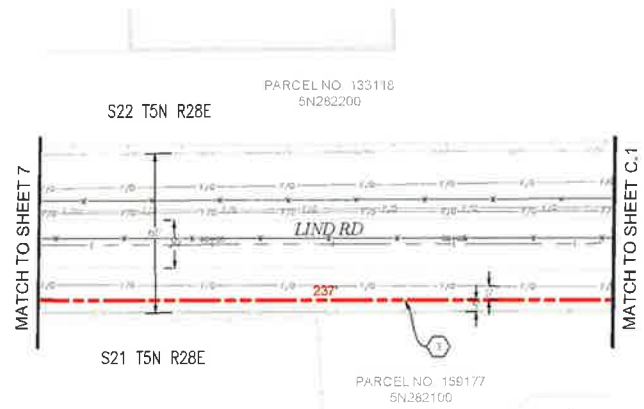
AS-BUILT			
NO	DATE	ENGINEER	DRAFTER
1	3/1/16	BB	CH
<b>ZAYO GROUP</b> <b>MGE</b> <small>TECHNICAL CONSULTING INC.</small>			
ZAYO ENGINEER: CHU HANCOCK			
ENGINEERING FIRM: 4402 TECHNICAL CONSULTING INC.			
PROJECT NUMBER:			
LOCATION: 62033 MURGER LANE			
UMATILLA, OR 97160			
DRAWING NAME: ZAYO - DRAWING TO UMATILLA - S-A2 - EAST			
LATERAL - UMATILLA COUNTY FUTURE HWY			
COMPRESSOR ALARM/NOTIFY			
			SHEET 3 OF 3

**811**  
 Hit or what's below.  
 Call before you dig.

SCALE: 1"=50'



PLAN VIEW C.1



PLAN VIEW C.2

- CONSTRUCTION NOTES**
- 1 PROPOSED NEW (2) 2" CONDUITS AND (1) 1 1/2" CONDUITS. PULL FIBER CABLE THROUGH REPAIR SURFACE PER LOCAL JURISDICTION STANDARDS. CONTRACTOR TO PATCH UTILITIES PRIOR TO CONSTRUCTION.
  - 2 PROPOSED PLACE (1) 30" X 48" BULK SERIES 7 VAULT OR 676-LA VAULT, COIL 100' OF FIBER THROUGH. SEE VAULT DETAILS ON SHEET 9.

- CONTRACTOR NOTES**
- LINE OF SIGHT MARKERS REQUIRED EVERY 500'
  - ADD 1' OF COMPACT GRAVEL AND WIRE MESH ON THE FLOOR OF EACH VAULT.

AS-BUILT			
REVISION # 1			
NO	DATE	ENGINEER	COMMENTS
1	3/1/18	BB	CH ORIGINAL

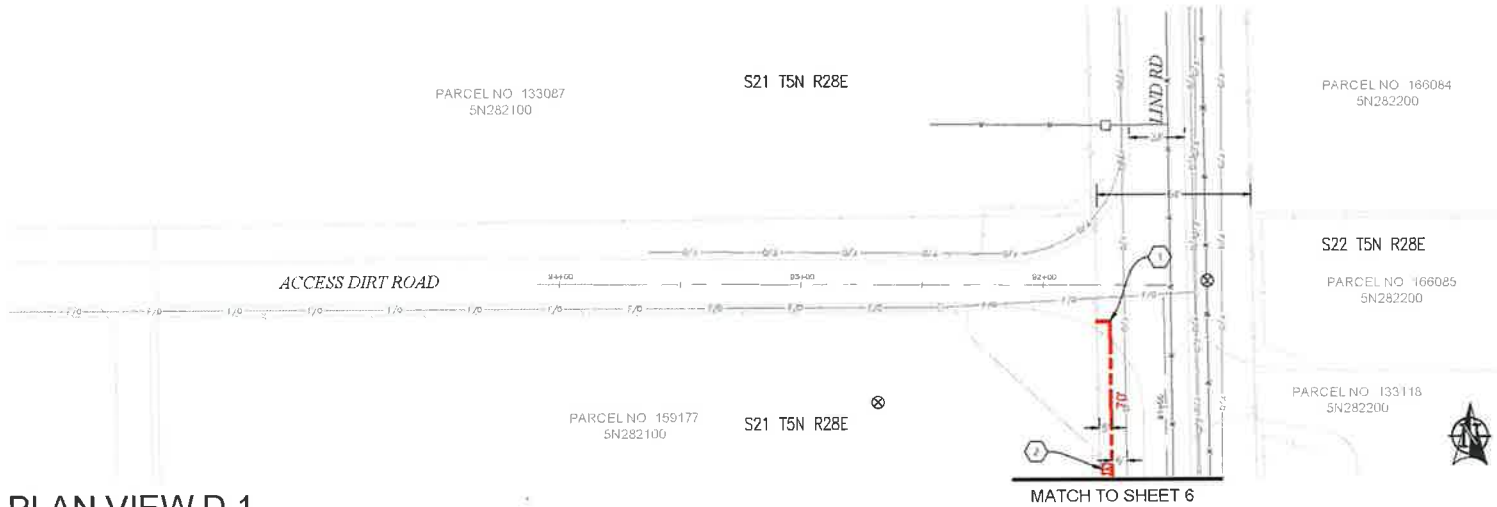
  

<b>811</b>	<b>zayo GROUP</b>	<b>MGE</b>
ZAYO ENGINEER: LINDI BACAS		
ENGINEERING FIRM: MGP, TECHNICAL CONSULTING INC		
PROJECT NUMBER:		
LOCATION: 12263 MURGER LANE		
LIMATILLA, OR 97882		
DRAWING TITLE: ZAYO - 811/GRAB TO LIMATILLA - 510' EAST		
DRAWING: LIMATILLA CENTER PLANS.dwg		
COMPILED BY: LINDI BACAS		

Know what's Below.  
Call before you dig.

SCALE: 1"=50'





PLAN VIEW D.1

- CONSTRUCTION NOTES**
- 1 PROPOSED NEW (2) 2" CONDUITS AND (1) 1 1/4" CONDUITS. PULL FIBER CABLE THROUGH REPAIR SURFACE PER LOCAL JURISDICTION STANDARDS. CONTRACTOR TO FILL HOLES PRIOR TO CONSTRUCTION.
  - 2 PROPOSED PLACE (1) 30" X 48" BULK SERIES 7 VAULT OR 6/6-1A VAULT, COIL 100' OF FIBER THROUGH SEE VAULT DETAILS ON SHEET 9.

**CONTRACTOR NOTES**

LINE OF SIGHT MARKERS REQUIRED EVERY 500'

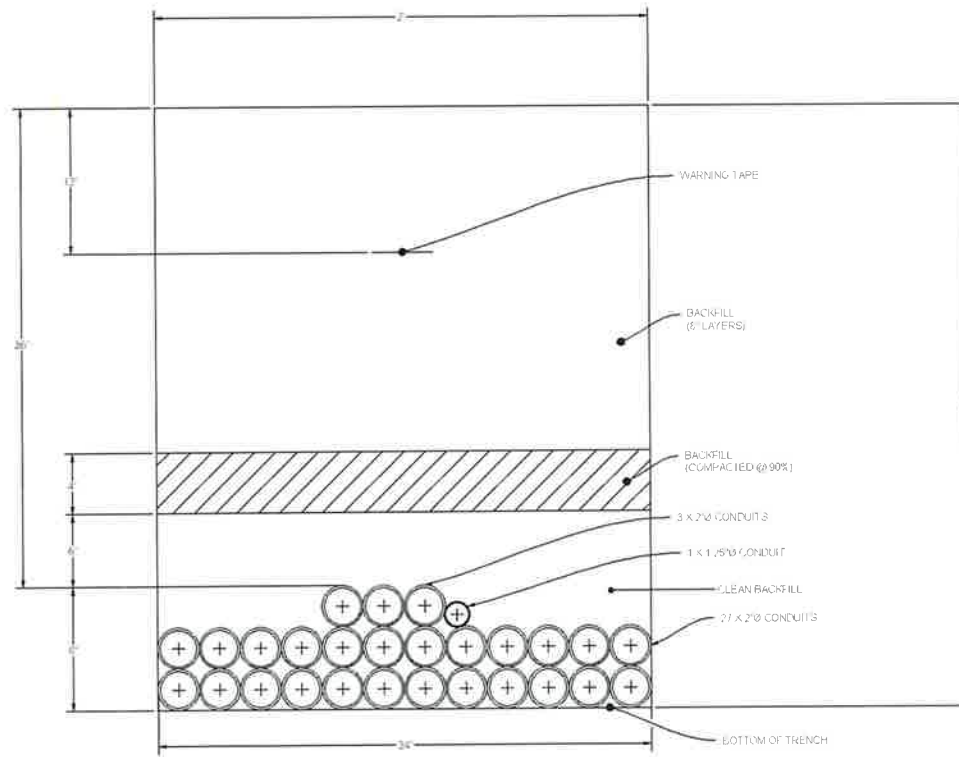
ADD 1" OF COMPACT GRAVEL AND WIRE MESH ON THE FLOOR OF EACH VAULT.

1				AS-BUILT
2				REVISION # 1
1	3/1/18	BB	CH	ORIGINAL
NO	DATE	ENGINEER	DRAWER	COMMENT
		<b>ZAYO GROUP</b>		<b>MGE</b> <small>TRUCKING, CONSULTING INC</small>
ZAYO ENGINEER: GARY BARDON				
ENGINEER: FRANK MCGUIRE, CONSULTING INC				
PROJECT NUMBER:				
LOCATION: LOSCHMIDT LANE UMATILLA, OK 73282				
TOWNSHIP: ZAYO, OSWAGOH TO UMATILLA, 540' EAST RURAL, UMATILLA COUNTY, OKLAHOMA				
CONFIDENTIAL PROPRIETARY				

**811**  
Know what's below.  
Call before you dig.

SCALE: 1"=50'

# DUCT SYSTEM DETAILS



**DUCT BANK TRENCH DETAIL #1**  
SCALE: NTS



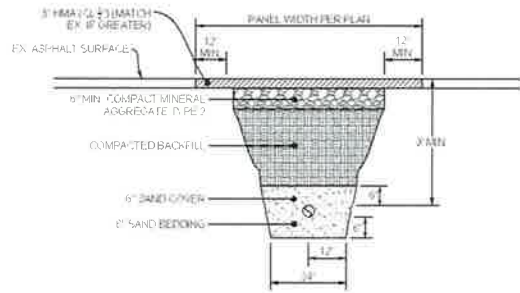
Know what's below.  
Call before you dig.

NO	DATE	ENGINEER	DRAWER	COMMENT
1	3/1/18	BB	CH	ORIGINAL
2				AS-BUILT REVISION # 1

**ZAYO GROUP** **MGC**  
TECHNICAL CONSULTING AND DESIGN

ZAYO ENGINEER: LAM BARCLAY  
 ENGINEERING FIRM: MGC, TECHNICAL CONSULTING AND DESIGN  
 PROJECT NUMBER:  
 LOCATION: 12500 MURPHY LANE  
 UMATILLA, OR 97152  
 DRAWING NAME: ZAYO - BOWEN TO UMATILLA - 340 - EPC1  
 LAYOUT - UMATILLA CONDUIT BANK  
 CONFIDENTIAL/PROPRIETARY SHEET 1 OF 1

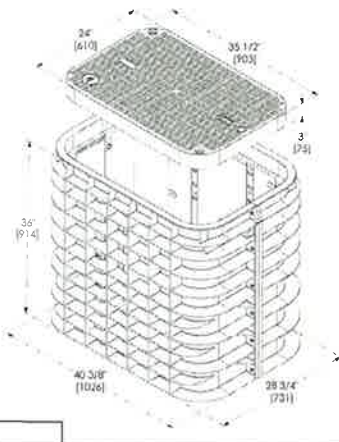
# UNDERGROUND TYPICALS



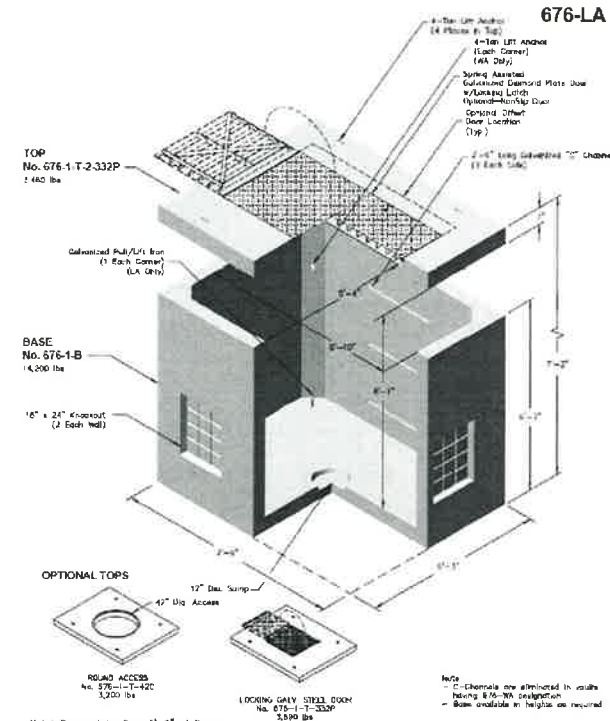
**TYPICAL PATCH TRENCH DETAIL**  
SCALE: NTS

## BODY SPECIFICATIONS

- Cover Weight 50 lbs [23 kg]
- Pit Weight 82 lbs [37 kg]
- Assembled Weight 132 lbs [60 kg]

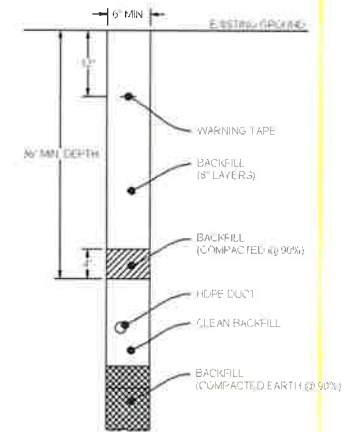


**TYPICAL BULK - SERIES 4 VAULT DETAIL**  
SCALE: NTS



 PO Box 333, Wilsonville, Oregon 97150-0333 Tel: (503) 682-2944 Fax: (503) 682-2927	<b>676-LA</b> File Name: 020-676-1LA Issue Date: 2010 oldcastleprecast.com/wilsonville	<b>676-LA</b> 5 x 7 x 6 POWER WATER GAS
	Note: Designed for 0 to 5'-0" of Cover Note: - C-Chemicals are eliminated in vaults having 8'-0" or less design life. - Bases available in heights as required.	

**TYPICAL 676LA VAULT**  
SCALE: NTS



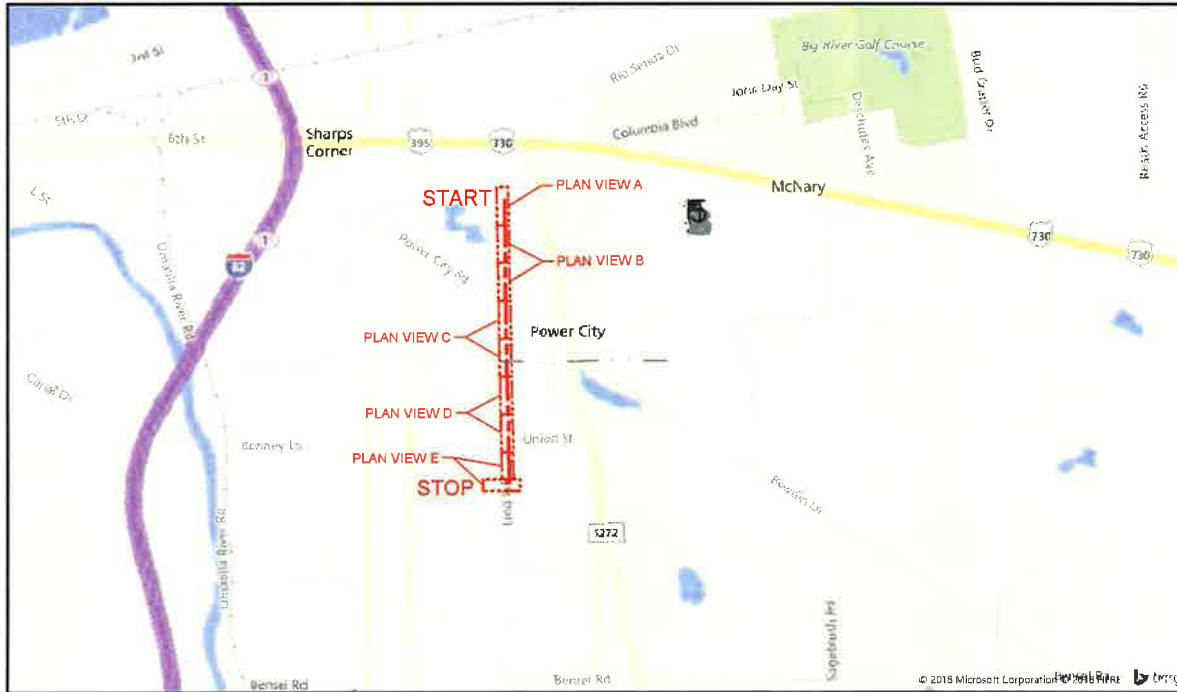
**TYPICAL TRENCH IN SOIL DETAIL**  
SCALE: NTS



1				AS-BUILT
2				REVISION # 1
1	3/1/18	BB	CH	ORIGINAL
REV	DATE	ENGINEER	DRAFTER	COMMENT
ZAYO ENGINEER: DAN BARONCINI ENGINEERING FIRM: MGC TECHNICAL CONSULTING INC. PROJECT NUMBER: LOCATION: 13223 MARSHFIELD LANE UMATILLA, OR 97162 DRAWING NAME: ZAYO - POWER/WH TO UMATILLA - 540 - EAST EASTERN UMATILLA COUNTY PLANS.DWG CONFIDENTIAL/PROPRIETARY				
				SHEET 5 OF 8

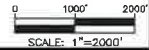
ADDRESS: 82353 MUNGER LANE, UMATILLA, OR 97882

PROJECT NAME: BOARDMAN TO UMATILLA - UMATILLA COUNTY - SEG A2 - WEST LATERAL - BULK CONDUIT



## SITE LOCATION BILL OF MATERIALS

NEW AERIAL	=	0 FT.
OVERLASH	=	0 FT.
NEW UNDERGROUND	=	4,683 FT.
EXISTING UNDERGROUND	=	0 FT.
RISERS	=	0 FT.
ISP	=	0 FT.
TOTAL FOOTAGE	=	4,683 FT.



### CONTACTS

ZAYO CONTACT  
DAN BARCOMB  
22651 83RD AVE S  
KENT WA 98032  
C 509 727 3345  
DAN.BARCOMB@ZAYO.COM

BRYSON BAILY  
MGC TECHNICAL CONSULTING, INC  
6244 185TH AVE NE  
REDMOND, WA 98052  
C 206 799 3001  
BRYSON@MGCTECHNICAL.COM

### SHEET INDEX

1. COVER SHEET / SITE LOCATION
2. LEGEND
3. GENERAL NOTES
- 4-8. PLAN VIEWS A - E
9. DUCT SYSTEM DETAILS
10. UNDERGROUND TYPICALS

### SCOPE OF WORK

PLACE CONDUIT AND VAULTS SOUTH ON THE EAST SIDE OF LIND RD FROM SEG A2 CITY OF UMATILLA PLANS TO THE NORTH SITE ENTRANCE ON THE WEST SIDE OF LIND RD. PULL FIBER CABLE THROUGHOUT.

3				AS-BUILT
2				REVISION # 1
1	3/1/18	DB	CH	ORIGINAL
NO.	DATE	ENGINEER	DRAFTER	COMMENT
		<b>zayo</b>		<b>MGC</b>
ZAYO ENGINEER: DAN BARCOMB				
ENGINEERING FIRM: MGC TECHNICAL CONSULTING, INC				
PROJECT NUMBER:				
LOCATION: 82353 MUNGER LANE				
UMATILLA, OR 97882				
DRAWING NAME: ZAYO - BOARDMAN TO UMATILLA - SEG A2 - WEST LATERAL - UMATILLA COUNTY PLANS.dwg				
CONFIDENTIAL/PROPRIETARY SHEET 1 OF 10				

# LEGEND

## LINETYPES

	AERIAL FIBER - EXISTING
	AERIAL FIBER - ATTACH
	AERIAL FIBER - OVERLASH
	STRAND - EXISTING
	STRAND - PROPOSED
	CONDUIT - EXISTING
	CONDUIT - PROPOSED
	INNERDUCT - EXISTING
	INNERDUCT - PROPOSED
	GAS
	WATER
	TELEPHONE
	FIBER OPTIC
	ELECTRIC
	SANITARY SEWER (SEW)
	STORM DRAIN
	CABLE TV
	STEAM
	OIL
	UNKNOWN UTILITY
	FENCE
	RIGHT OF WAY
	EDGE OF PAVEMENT

## ABBREVIATIONS

ASW	ASPHALT SIDEWALK
BIP	BLACK IRON PIPE
BSP	BLACK STEEL PIPE
CSW	CONCRETE SIDEWALK
ELECT.	ELECTRIC
EOP	EDGE OF PAVEMENT
EOTW	EDGE OF TRAVEL WAY
FOC	FACE OF CURB
F/O	FIBER OPTIC
HDPE	HIGH DENSITY POLYETHYLENE
HH	HANDHOLE
JB	JUNCTION BOX
MH	MANHOLE
MP	MILE POST
O/S	OFFSET
PR	POWER RISER
PVC	POLY VINYL CHLORIDE
RGS	RIGID GALVANIZED STEEL CONDUIT
ROW	RIGHT OF WAY
SEW	SANITARY SEWER
SD	STORM DRAIN
STA	STATION
STM	STEAM
TEL	TELECOM

## SYMBOLS

	RISER - EXISTING		TRANSMISSION/DISTRIBUTION POLE
	RISER - PROPOSED		TRANSMISSION POLE
	CATCH BASIN/INLET (RECTANGULAR)		DISTRIBUTION POLE
	CATCH BASIN/INLET (ROUND)		GROUND/BOND
	FIRE HYDRANT		AERIAL STORAGE - EXISTING
	WATER/GAS VALVE		AERIAL STORAGE - PROPOSED
	LIGHT POST		VAULT/BUILDING STORAGE - EXISTING
	STREET LIGHT		VAULT/BUILDING STORAGE - PROPOSED
	TRAFFIC LIGHT ARM		POLE ANCHOR/DOWN GUY - EXISTING
	TREE		POLE ANCHOR/DOWN GUY - PROPOSED
	CULVERT		SPLICE POINT - EXISTING
	WING WALL		SPLICE POINT - PROPOSED
	BRIDGE		TERMINATION - EXISTING
	STREET SIGN		TERMINATION - PROPOSED
	ADA RAMP		PULLBOX - EXISTING
	UTILITY POLE - EXISTING		PULLBOX - PROPOSED
	UTILITY POLE - PROPOSED		CONSTRUCTION NOTE / RESTORATION CALLOUT
	TRAFFIC RATED VAULT - EXISTING (SIZE AND UTILITY TYPE MAY VARY)		PHOTO-MARKER
	TRAFFIC RATED VAULT - PROPOSED (SIZE MAY VARY)		NORTH ARROW
	HANDHOLE - EXISTING (SIZE AND UTILITY TYPE MAY VARY)		
	HANDHOLE - PROPOSED (SIZE MAY VARY)		
	PEDESTAL - EXISTING (SIZE AND UTILITY TYPE MAY VARY)		
	PEDESTAL - PROPOSED (SIZE MAY VARY)		
	WET UTILITY MANHOLE - EXISTING (SIZE AND UTILITY TYPE MAY VARY)		
	BORE PIT - PROPOSED (SIZE MAY VARY)		
	UTILITY POTHOLE		

## INFORMATION TABLES

POLE NUMBER	#	UTILITY POLE INFORMATION TABLE (NUMBER OF ATTACHMENTS MAY VARY)
EXISTING UTILITY	0'-0"	
PROPOSED ATTACH	0'-0"	

#F	IN:	OUT:	SEQUENTIAL IN/OUT CALLOUT
#F	IN:	TAIL:	SEQUENTIAL IN/TAILOUT CALLOUT
#F	TAIL:	OUT:	SEQUENTIAL TAIL/OUT CALLOUT

## HATCH PATTERNS

	CONCRETE SIDEWALK
	GRASS/VEGETATION
	GRAVEL
	WATER



AS-BUILT			
NO.	DATE	ENGINEER	DRAFTER
1	3/1/18	BB	GH
2			
REVISION # 1 ORIGINAL COMMENT			
ZAYO GROUP MGE			
ZAYO ENGINEERING - CIVIL/MECHANICAL			
ENGINEERING FIRM MAY TESTIFY AS TO THE ACCURACY OF THE INFORMATION CONTAINED HEREIN.			
PROJECT NUMBER:			
LOCATION: 4253 MURDER LANE			
UMATILLA, OR 97140			
DRAWN BY: ZAYO - ENGINEERING TO UMATILLA - 10/18 - 10/18			
CHECKED BY: UMATILLA COUNTY PLANNING DEPT.			
CONFIDENTIAL/PROPRIETARY SHEET 2 OF 10			

# GENERAL NOTES

**GENERAL NOTES**

The locations of utilities shown on these drawing are only approximate. MGC TECHNICAL CONSULTING, INC. hereby disclaims any responsibility to third parties for the accuracy of this information. Persons working in the area covered by this drawing must contact the statewide Call-Before-You-Dig System to ascertain the location of underground utilities prior to performing any excavation.

1. ALL MATERIALS, WORKMANSHIP AND CONSTRUCTION OF UTILITY IMPROVEMENTS SHALL MEET OR EXCEED SITE WORK STANDARDS AND THE STANDARDS AND SPECIFICATIONS SET FORTH IN THE CITY OF UMATILLA REGULATIONS AND APPLICABLE STATE AND FEDERAL REGULATIONS. WHERE THERE IS CONFLICT BETWEEN THESE PLANS AND THE SPECIFICATIONS, OR ANY APPLICABLE STANDARDS, THE HIGHER QUALITY STANDARD SHALL APPLY. ALL WORK WITHIN PUBLIC R.O.W. OR EASEMENTS MAY REQUIRE INSPECTED AND APPROVED BY THE CITY OF UMATILLA INSPECTOR. INSPECTION SERVICES AND CONSTRUCTION CERTIFICATION TO BE PROVIDED BY DESIGNEE OF PROJECT SPONSOR/OWNER.
2. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES, AS SHOWN ON THESE PLANS, IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED UPON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE LOCAL UTILITY LOCATION CENTER AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF EXISTING UTILITIES. THE CONTRACTOR SHALL VERIFY PERTINENT LOCATIONS AND ELEVATIONS, ESPECIALLY AT THE CONNECTION POINTS AND AT POTENTIAL UTILITY CONFLICTS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES THAT CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THESE PLANS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM ALL APPLICABLE AGENCIES. THE CONTRACTOR SHALL NOTIFY THE CITY OF UMATILLA INSPECTOR AT LEAST 48 HOURS PRIOR TO THE START OF ANY EARTH DISTURBING ACTIVITY OR CONSTRUCTION ON ANY AND ALL PUBLIC IMPROVEMENTS IF REQUIRED.
4. THE CONTRACTOR SHALL COORDINATE AND COOPERATE WITH THE CITY OF UMATILLA AND ALL UTILITY COMPANIES WITH REGARD TO RELOCATIONS OR ADJUSTMENTS OF EXISTING UTILITIES DURING CONSTRUCTION, TO ASSURE THAT THE WORK IS ACCOMPLISHED IN A TIMELY FASHION, AND WITH A MINIMUM DISRUPTION OF SERVICE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL PARTIES AFFECTED BY ANY DISRUPTION OF ANY UTILITY SERVICE.
5. THE CONTRACTOR SHALL HAVE ONE (1) SIGNED COPY OF THE APPROVED PLANS, ONE (1) COPY OF THE APPROPRIATE STANDARDS AND SPECIFICATIONS, AND ONE (1) COPY OF ANY PERMITS AND EXTENSION AGREEMENTS NEEDED FOR THE JOB ON-SITE AT ALL TIMES.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ASPECTS OF SAFETY INCLUDING, BUT NOT LIMITED TO, EXCAVATION, TRENCHING, SHORING, TRAFFIC CONTROL, AND SECURITY.
7. IF, DURING THE CONSTRUCTION PROCESS, CONDITIONS ARE ENCOUNTERED BY THE CONTRACTOR, HIS SUBCONTRACTORS, OR OTHER AFFECTED PARTIES WHICH COULD INDICATE A SITUATION THAT IS NOT IDENTIFIED IN THE PLANS OR SPECIFICATIONS, THE CONTRACTOR SHALL CONTACT THE ENGINEER IMMEDIATELY.
8. ALL REFERENCES TO ANY PUBLISHED STANDARDS SHALL REFER TO THE LATEST REVISION OF SAID STANDARD, UNLESS SPECIFICALLY STATED OTHERWISE.
9. FOR WORK AFFECTING PUBLIC ROADWAYS OR IF REQUIRED BY THE CITY OF UMATILLA, THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL AND PHASING PLAN IN ACCORDANCE WITH M.U.T.C.D. FOR APPROVAL PRIOR TO ANY CONSTRUCTION ACTIVITIES WITHIN OR AFFECTING THE RIGHT-OF-WAY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ANY AND ALL TRAFFIC CONTROL DEVICES AS MAY BE REQUIRED BY SAID PLANS. PRIOR TO INSTALLATION A PRECONSTRUCTION CONFERENCE SHALL BE HELD WITH CITY OF UMATILLA.
10. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL LABOR AND MATERIALS NECESSARY FOR THE COMPLETION OF THE INTENDED IMPROVEMENTS SHOWN ON THESE DRAWINGS OR DESIGNATED TO BE PROVIDED, INSTALLED, CONSTRUCTED, REMOVED OR RELOCATED UNLESS SPECIFICALLY NOTED OTHERWISE.
11. PER AGENCY STANDARDS THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING ROADWAYS FREE AND CLEAR OF ALL CONSTRUCTION DEBRIS AND DIRT TRACKED FROM THE SITE.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RECORDING RECORD INFORMATION ON A SET OF RECORD DRAWINGS KEPT AT THE CONSTRUCTION SITE AND AVAILABLE TO THE CITY OF UMATILLA INSPECTOR AT ALL TIMES.
13. DIMENSIONS FOR LAYOUT AND CONSTRUCTION ARE NOT TO BE SCALED FROM ANY DRAWING. FOR ADDITIONAL INFORMATION CONTACT THE ENGINEER FOR CLARIFICATION AND NOTE ON THE RECORD DRAWINGS.
14. ALL EROSION AND SEDIMENT CONTROL (E.S.C.) MEASURES SHALL BE INSTALLED AT THE LIMITS OF CONSTRUCTION PRIOR TO GROUND DISTURBING ACTIVITY. ALL E.S.C. MEASURES SHALL BE MAINTAINED IN GOOD REPAIR BY THE CONTRACTOR UNTIL SUCH TIME AS THE ENTIRE DISTURBED AREAS ARE STABILIZED WITH HARD SURFACE OR LANDSCAPING.
15. ALL WORK WITHIN THE PUBLIC RIGHT-OF-WAY IS SUBJECT TO THE JURISDICTION OF THE CITY OF UMATILLA ENGINEERING DEPARTMENT STANDARD DETAILS AND SPECIFICATIONS.
16. ALL CONSTRUCTION OPERATIONS, INCLUDING THE WARMING UP, REPAIR, ARRIVAL, DEPARTURE OR RUNNING OF TRUCKS, EARTH MOVING EQUIPMENT, CONSTRUCTION EQUIPMENT AND ANY OTHER ASSOCIATED EQUIPMENT SHALL GENERALLY BE LIMITED TO THE TIME PERIOD APPROVED BY THE CITY OF UMATILLA.



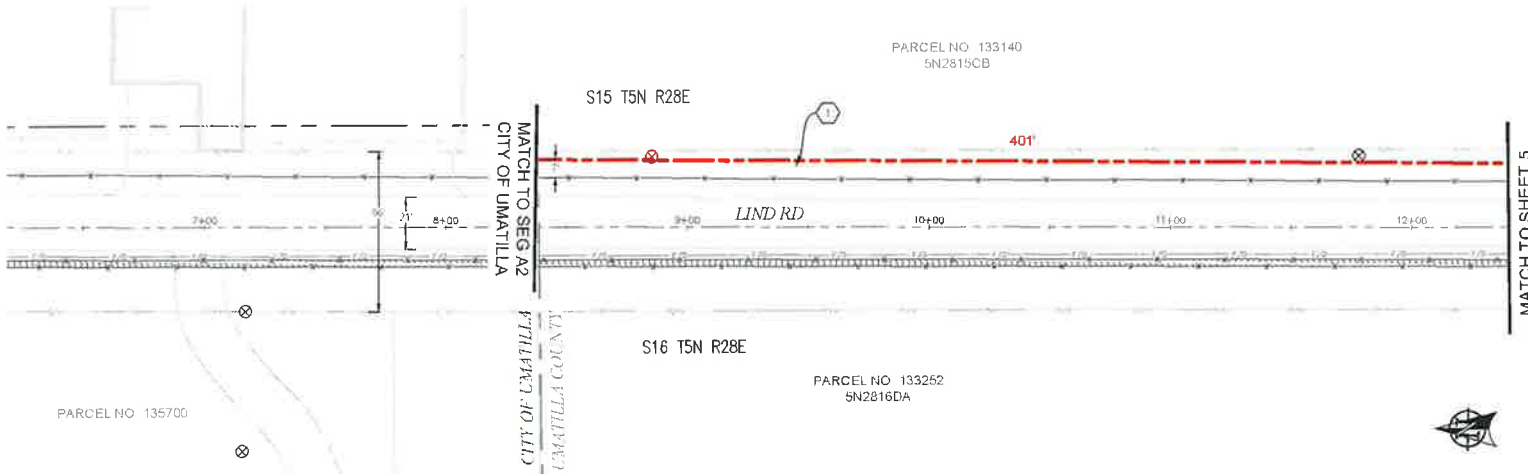
3				AS-BUILT
2				REVISION # 1
1	3/1/18	DB	CH	ORIGINAL
NO.	DATE	ENGINEER	DRAFTER	COMMENT
 				
ZAYO ENGINEER: DAN BARKUM				
ENGINEERING FIRM: MGC TECHNICAL CONSULTING, INC.				
PROJECT NUMBER:				
REGulatory: 2025 MUNICIPAL PLAN: UMATILLA, OR 2180				
DRAWING NAME: ZAYO WORKMANSHIP UMATILLA, OR 2180				
DRAWING NUMBER: UMATILLA CITY PLANS 2025				
CONFIDENTIAL/PROPRIETARY SHEET 1 OF 12				

**CONSTRUCTION NOTES**

① PROPOSED NEW (27) 2" CONDUITS AND (1) 1 1/4" CONDUITS. PULL FIBER CABLE THROUGH. REPAIR SURFACE PER LOCAL JURISDICTION STANDARDS. CONTRACTOR TO PATCH UTILITIES PRIOR TO CONSTRUCTION.

**CONTRACTOR NOTES**

LINE OF SIGHT MARKERS REQUIRED EVERY 500'



PLAN VIEW A.1

**811**  
Know what's below.  
Call before you dig.

SCALE: 1"=50'

				AS-BUILT
				REVISION # 1
1	3/1/18	BB	CH	ORIGINAL
NO.	DATE	ENGINEER	DRAFTER	COMMENT
ZAYO ENGINEER DAN BARCANE				
ENGINEERING FROM SAC TECHNICAL CONSULTING INC				
PROJECT NUMBER				
LOCATION: 6255 MONROE LANE				
UMATILLA, OR 97602				
DRAWING NAME: ZAYO DRAWING TO UMATILLA 542 WEST				
LAFER, UMATILLA COUNTY PUBLIC WORKS				
CONFIDENTIAL/PROPRIETARY SHEET 1 OF 10				

MATCH TO SHEET 4

MATCH TO SHEET B.2

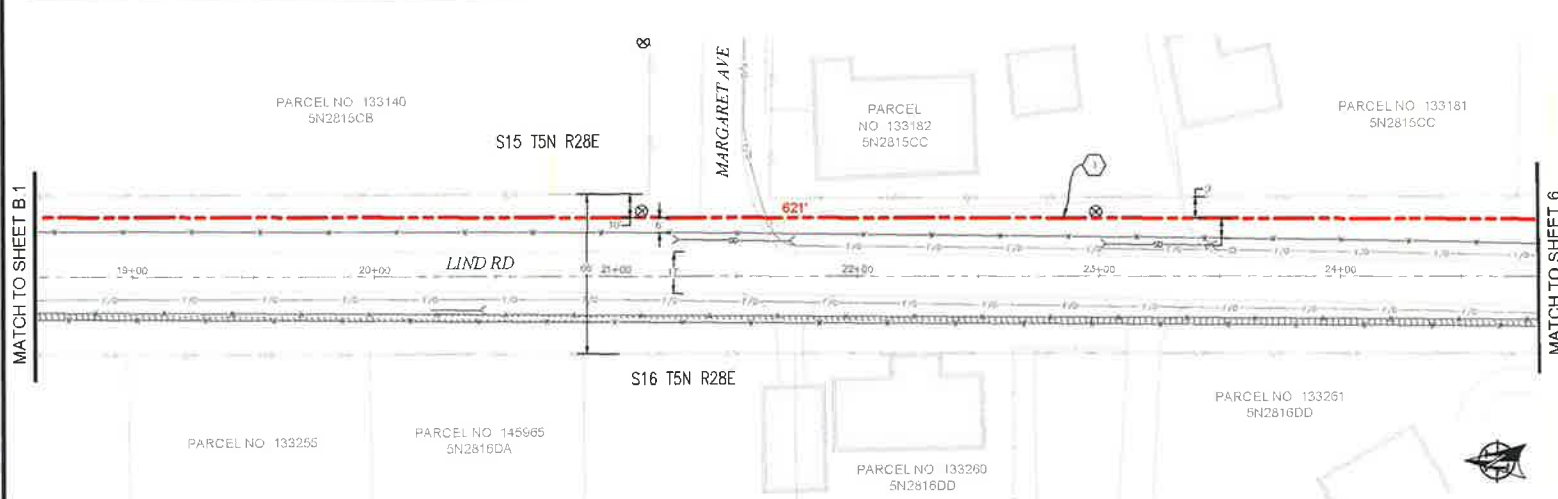
**CONSTRUCTION NOTES**

1 PROPOSED NEW (2) 2" CONDUITS AND (1) 1 1/4" CONDUITS. PULL FIBER CABLE THROUGH. REPAIR SURFACE PER LOCAL JURISDICTION STANDARDS. CONTRACTOR TO POT-HOLE UTILITIES PRIOR TO CONSTRUCTION.

**CONTRACTOR NOTES**

LINE OF SIGHT MARKERS REQUIRED EVERY 500'

### PLAN VIEW B.1



### PLAN VIEW B.2



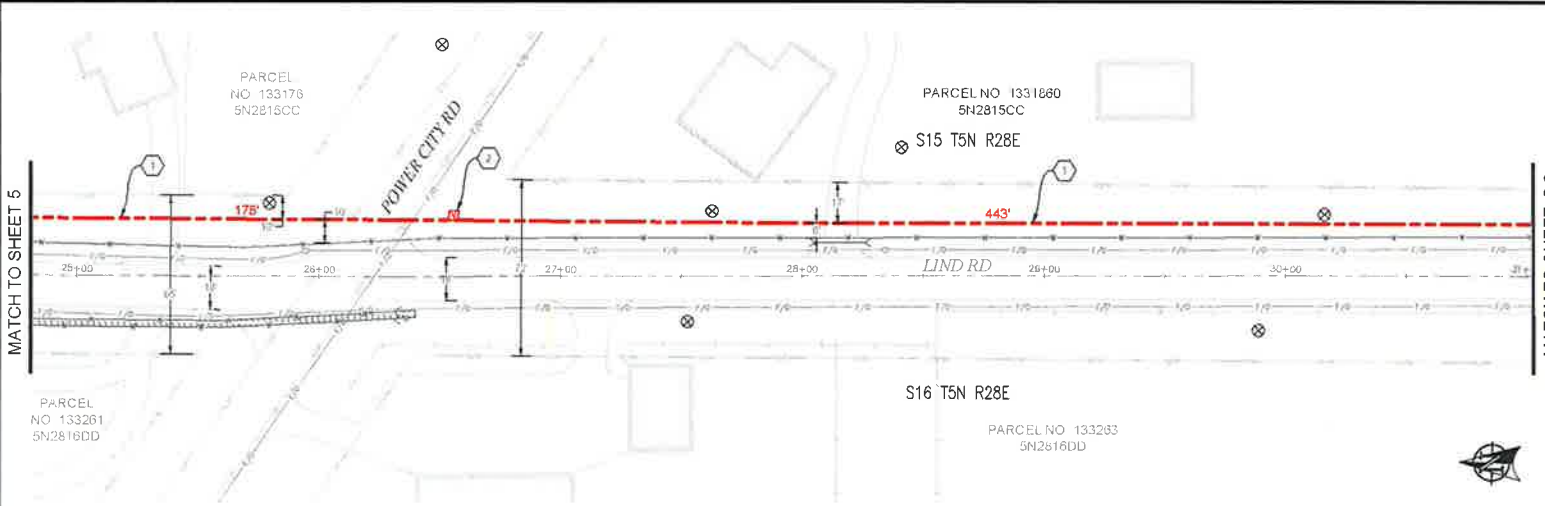
**811**

Know what's below.  
Call before you dig.

SCALE: 1"=50'

AS-BUILT			
NO.	DATE	ENGINEER	DRAFTER
1	3/1/18	BB	CH
<b>ZAYO</b> <b>MGE</b> <small>ORIG. CONSULTING INC.</small>			
ZAYO ENGINEER, LAND SURVEYOR ENGINEERING FIRM, INC., TECHNICAL CONSULTING PROJECT NUMBER: LOCATION: 6283 MARGARET AVE, UMATILLA, OR 97152 DRAWING NAME: ZAYO - BOUNDARY TO UMATILLA S-42 - 4011 DATE: UMATILLA COUNTY PLANS 2018 CONFIDENTIAL AND PROPRIETARY			





PLAN VIEW C.1



PLAN VIEW C.2

- CONSTRUCTION NOTES**
- 1 PROPOSED NEW (2 1/2) 2" CONDUITS AND (1) 1 1/2" CONDUITS. PULL FIBER CABLE THROUGH. REPAIR SURFACE PER LOCAL JURISDICTION STANDARDS. CONTRACTOR TO POTHOLE UTILITIES PRIOR TO CONSTRUCTION.
  - 2 PROPOSED PLACE (1) 30" X 48" BULK SERIES / VAULT OR 6/6-LA VAULT. COIL 100' OF FIBER THROUGH. SEE VAULT DETAILS ON SHEET 10.

**CONTRACTOR NOTES**

LINE OF SIGHT MARKERS REQUIRED EVERY 500'

ADD 1" OF COMPACT GRAVEL AND WIRE MESH ON THE FLOOR OF EACH VAULT.

AS-BUILT			
NO.	DATE	ENGINEER	COMMENTS
1	3/1/18	DB	CH ORIGINAL
2			

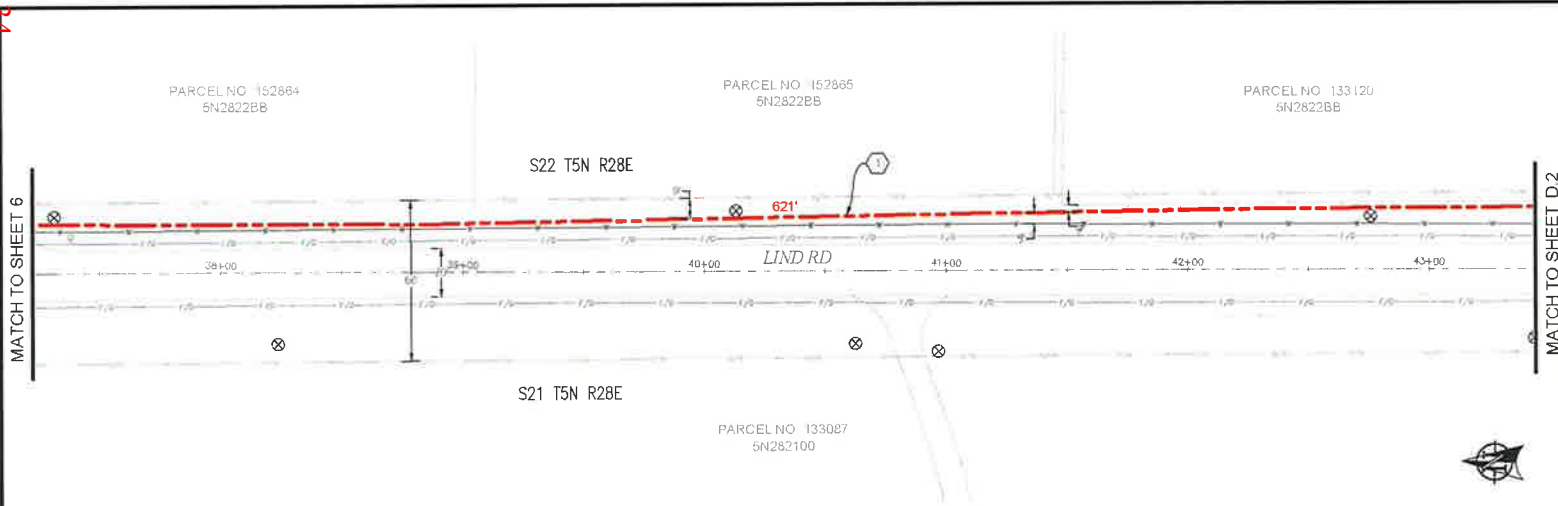
  

<b>zayo</b>		<b>MGS</b>	
ZAYO FIBERLINE - DAN BARKER			
ENGINEERING FIRM: MGS TECHNICAL CONSULTING INC			
PROJECT NUMBER:			
LOCATION: 6252 MURPHY LAKE, UMATILLA, OR 97182			
DRAWN BY: ZAYO - BOBARKAN TO UMATILLA - 500' WEST			
DATE: 3/1/18			
LATERAL: UMATILLA COUNTY PLANS 2018-001			
CONFIDENTIAL AND PROPRIETARY			

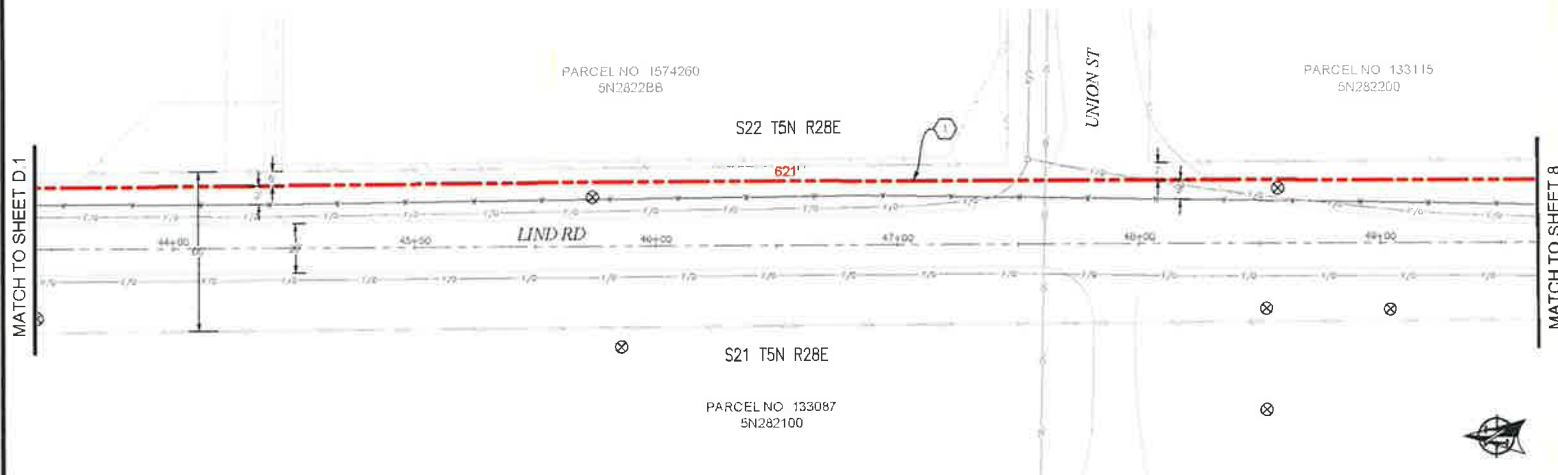
811  
Know what's below.  
Call before you dig.

SCALE: 1"=50'

134



PLAN VIEW D.1



PLAN VIEW D.2

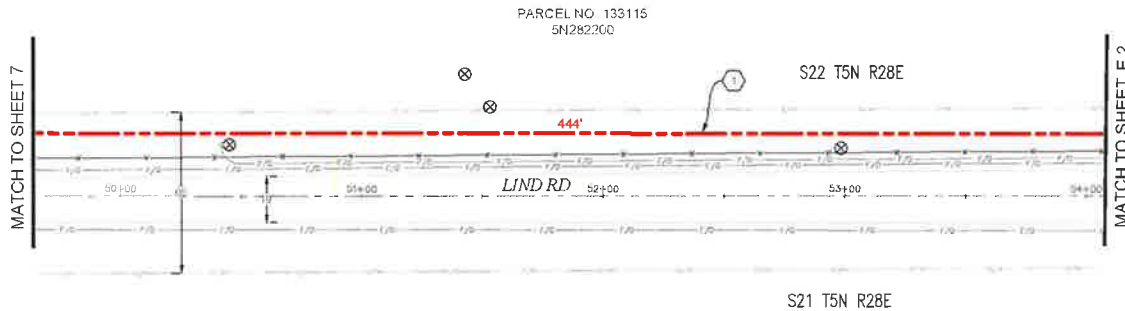
**CONSTRUCTION NOTES**  
 ① PROPOSED NEW (2) 2" CONDUITS AND (1) 1 1/4" CONDUIT. PULL FIBER CABLE THROUGH REPAIR SURFACE PER LOCAL JURISDICTION STANDARDS. CONTRACTOR TO PATCH/REPAIR UTILITIES PRIOR TO CONSTRUCTION.

**CONTRACTOR NOTES**  
 LINE OF SIGHT MARKERS REQUIRED EVERY 500'

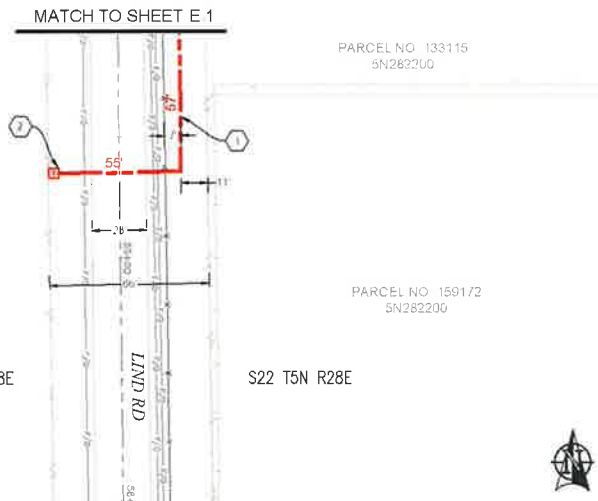


**811**  
 Know what's below.  
 Call before you dig.  
 SCALE: 1"=50'

3				AS-BUILT
2				REVISION # 1
1	3/1/18	BB	CH	ORIGINAL
REV	DATE	ENGINEER	DRAFTER	COMMENT
<b>ZAYO GROUP</b> <b>MGE</b>				
ZAYO ENGINEER - CIVIL/ROADS				
ENGINEERING FIRM AND TECHNICAL CONSULTANTS LLC				
PROJECT NUMBER				
LOCATION: ALBANY MARSH LAKE				
UMATILLA OR 97582				
DRAWING DATE: 24th NOVEMBER TO UMATILLA 5:40 WEST				
LATITUDE: UMATILLA COUNTY, OREGON				
COMPILED BY: J. H. HARTMAN				
				SHEET 7 OF 18



PLAN VIEW E.1



PLAN VIEW E.2

- CONSTRUCTION NOTES**
- 1 PROPOSED NEW (2) 2" CONDUITS AND (1) 1 1/4" CONDUITS. PULL FIBER CABLE THROUGH REPAIR SURFACE PER LOCAL JURISDICTION STANDARDS CONTRACTOR TO POT HOLE UTILITIES PRIOR TO CONSTRUCTION.
  - 2 PROPOSED PLACE (1) 30" X 48" BULK SERIES 7 VAULT OR 6.75' IA VAULT. CON 100' OF FIBER THROUGH. SEE VAULT DETAILS ON SHEET 10.

**CONTRACTOR NOTES**

LINE OF SIGHT MARKERS REQUIRED EVERY 500'

ADD 1" OF COMPACT GRAVEL AND WIRE MESH ON THE FLOOR OF EACH VAULT.

NO	DATE	ENGINEER	DRAFTER	COMMENT
1	3/1/18	BB	CH	AS-BUILT REVISION # 1, ORIGINAL

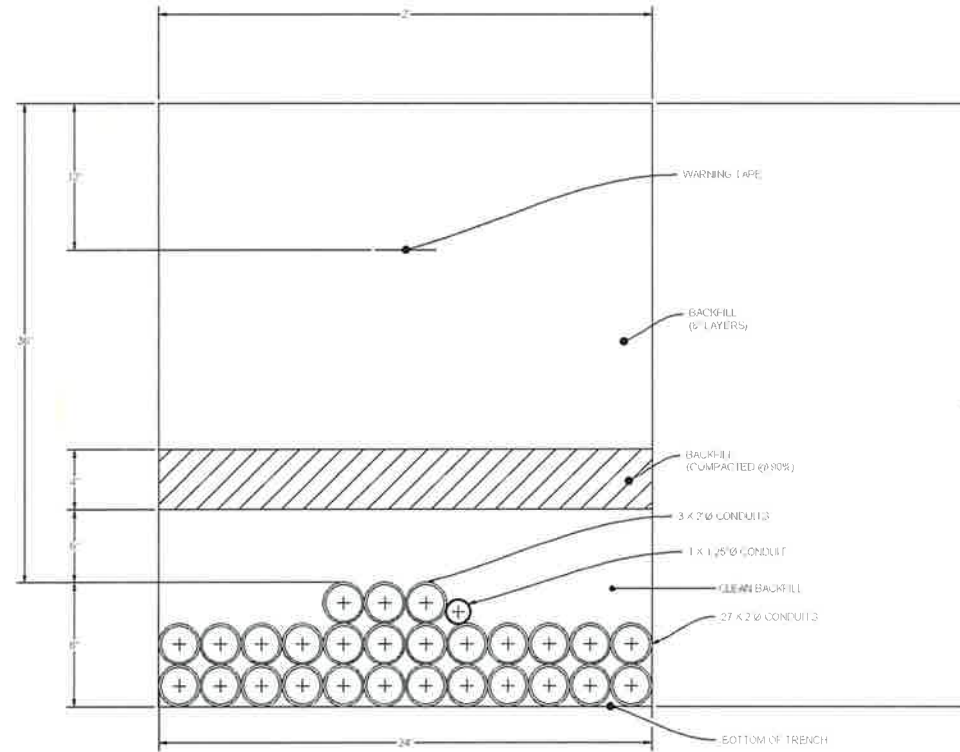
**zayo GROUP** **MGE**  
TECHNICAL CONSULTING INC.

ZAYO ENGINEER DAN BARR VARS  
 ENGINEERING FIRM MGT, TECHNICAL CONSULTING  
 PROJECT NUMBER  
 LOCATION 5255 MURKIN LANE  
 UMATILLA, OR 97152

DRAWING NAME: ZAYO - STARBUCK TO UMATILLA, S42 - WEST  
 LATERAL UMATILLA COUNTY # 15000-004

**CONFIDENTIAL - PROPRIETARY** SHEET 3 OF 10

# DUCT SYSTEM DETAILS



**DUCT BANK TRENCH DETAIL #1**  
SCALE: NTS

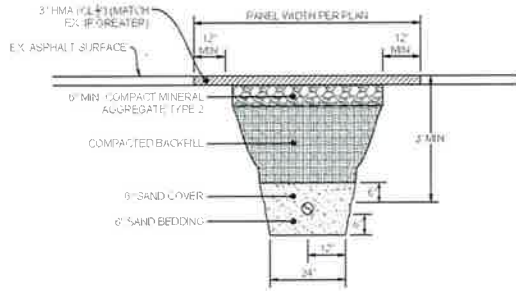


NO.	DATE	ENGINEER	DRAFTER	COMMENT
3				AS-BUILT
2				REVISION # 1
1	3/1/16	BB	CH	ORIGINAL

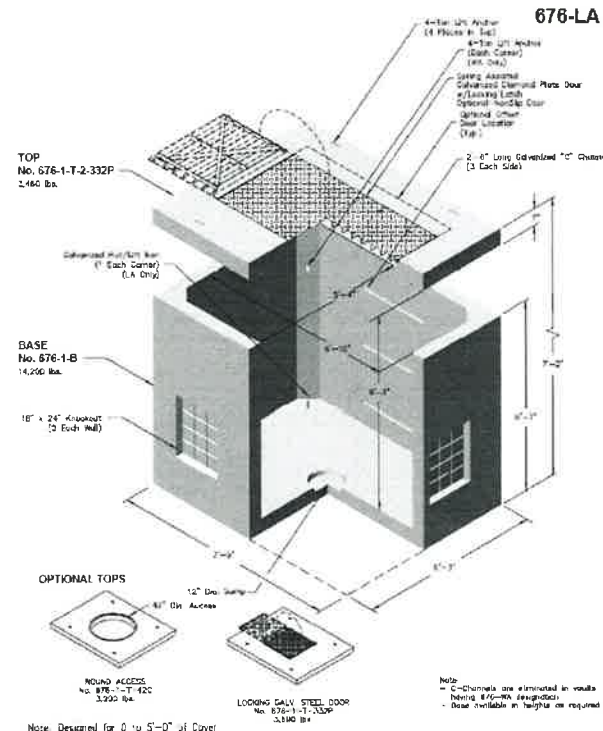
  

<b>ZAYO GROUP</b>		<b>MGE</b>	
ZAYO NUMBER: DAN BARCLAY			
ENGINEERING FIRM: MGE TECHNICAL CONSULTING INC			
PROJECT NUMBER:			
LOCATION: 62362 MILLER LANE UMATILLA, OR 97182			
EXCAVATION FIRM: ZAYO ENGINEERING CONSULTANTS, INC			
DATE: 3/1/16			
DRAWN BY: CHASLEY			
CHECKED BY: MCGUIRE			
DATE: 3/1/16			
PROJECT: 16-001			
SHEET: 3 OF 12			

# UNDERGROUND TYPICALS



TYPICAL PATCH TRENCH DETAIL  
SCALE: NTS



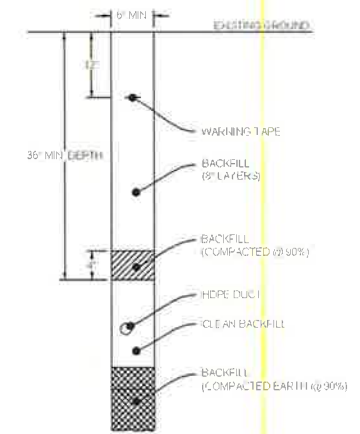
OPTIONAL TOPS

- ROUND ACCESS No. 876-1-T-42C (3,000 lbs)
- LOCKING GALV. STEEL DOOR No. 876-1-T-332P (3,190 lbs)

Note: Designed for 0 to 5'-0" of Cover

<p>PO Box 323 Wilsonville Oregon 97070-0323 Tel: 503-532-2648 Fax: 503-532-2657 oldcastleprecast.com/wilsonville</p>	676-LA	676-LA
	File Name: 220-676-1-A	5 x 7 x 6
	Issue Date: 2016	POWER WATER GAS

TYPICAL 676LA VAULT  
SCALE: NTS



TYPICAL TRENCH IN SOIL DETAIL  
SCALE: NTS

### BODY SPECIFICATIONS

Cover Weight 50 lbs [23 kg]  
Pit Weight 82 lbs [37 kg]  
Assembled Weight 132 lbs [60 kg]

TYPICAL BULK - SERIES 4 VAULT DETAIL  
SCALE: NTS



AS-BUILT	REVISION # 1
3/1/18	BB CH ORIGINAL
DATE	ENGINEER DRAFTER COMMENT
ZAYO PROJECT # CHN-BAN-CAN-0000 ENGINEER/PROJECT MGR: TECHNICAL CONSULTING INC PROJECT NUMBER LOCATION: 5255 MURPHY LANE UMATILLA, OR 97582 DRAWING NAME: ZAYO - ENHANCING TO UMATILLA 5 x 7 x 6 LATERAL UMATILLA COUNTY F-RAND.dwg CONFIDENTIAL & PROPRIETARY SHEET 13 OF 13	



# Oregon

Kate Brown, Governor

Department of Land Conservation and Development

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## NEWS RELEASE

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### **DLCD Guidance on ADUs**

SALEM –While Oregon’s population continues to expand, the supply of housing, already impacted by a lack of building during the recession, has not kept up. To address the lack of housing supply, House Speaker Tina Kotek introduced legislation to remove barriers to development. Among the provisions that passed into law is the requirement that cities and counties over a certain population allow accessory dwelling units (ADUs) in areas zoned for single-family dwellings.

This new requirement becomes effective on July 1, 2018. To assist local governments, the Oregon Department of Land Conservation and Development (DLCD) has published “Guidance on Implementing the Accessory Dwelling Units Requirement.” In a few pages, the document highlights a variety of guidance by topic – from ADU design standards to occupancy requirements. The final page includes model code language for accessory dwellings that is ready to be tailored to fit the needs of communities. Step-by-step instructions have been shared with planning departments and cities around the state to further assist them in implementing the new standard.

“As we all work to address the housing crisis in our state, and help give more Oregonians shelter and a home, our agency is proud to offer this assistance to cities and counties,” said Director Jim Rue. “DLCD also has regional planners in offices around the state who can work directly with local governments to help tailor the model code to meet the needs of individual communities.”

“Guidance on Implementing the Accessory Dwelling Unit Requirements” can be viewed on the DLCD website at [http://www.oregon.gov/LCD/docs/ADU\\_Guidance\\_DLCD\\_Final.pdf](http://www.oregon.gov/LCD/docs/ADU_Guidance_DLCD_Final.pdf)

For additional information related to DLCD Guidance on ADUs, contact Gordon Howard, Community Services Division Manager at [gordon.howard@state.or.us](mailto:gordon.howard@state.or.us) or (503) 934-0034.

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**Oregon’s statewide land use planning program** — originated in 1973 under Senate Bill 100 — protects farm and forest lands, conserves natural resources, promotes livable communities, facilitates orderly and efficient development, helps coordination among local governments, and enables citizen involvement.

The program affords all Oregonians predictability and sustainability to the development process by

allocating land for industrial, commercial and housing development, as well as transportation and agriculture.

The Department of Land Conservation and Development (DLCD) administers the program. A seven-member volunteer citizen board known as the Land Conservation and Development Commission (LCDC) guides DLCD.

Under the program, all cities and counties have adopted comprehensive plans that meet mandatory state standards. The standards are 19 Statewide Planning Goals that deal with land use, development, housing, transportation, and conservation of natural resources. Periodic review of plans and technical assistance in the form of grants to local jurisdictions are key elements of the program.

**GUIDANCE ON IMPLEMENTING  
THE ACCESSORY DWELLING UNITS (ADU) REQUIREMENT  
UNDER OREGON SENATE BILL 1051**



*M. Keplinger's backyard detached ADU, Richmond neighborhood, Portland, OR.  
(Photo courtesy of Ellen Bassett and [accessorydwellings.org](http://accessorydwellings.org).)*

**OREGON DEPARTMENT OF LAND CONSERVATION AND DEVELOPMENT**

**MARCH 2018**



Oregon Department of  
Land Conservation  
and Development



## Introduction

As housing prices in Oregon go up, outpacing employment and wage growth, the availability of affordable housing is decreasing in cities throughout the state. While Oregon's population continues to expand, the supply of housing, already impacted by less building during the recession, has not kept up. To address the lack of housing supply, House Speaker Tina Kotek introduced House Bill 2007 during the 2017 legislative session to, as she stated, "remove barriers to development." Through the legislative process, legislators placed much of the content of House Bill 2007 into Senate Bill 1051, which then passed, and was signed into law by Governor Brown on August 15, 2017. In addition, a scrivener's error<sup>1</sup> was corrected through the passage of HB 4031 in 2018.

Among the provisions of SB 1051 and HB 4031 is the requirement that cities and counties of a certain population allow accessory dwelling units (ADUs) as described below:

- a) *A city with a population greater than 2,500 or a county with a population greater than 15,000 shall allow in areas within the urban growth boundary that are zoned for detached single-family dwellings the development of at least one accessory dwelling unit for each detached single-family dwelling, subject to reasonable local regulations relating to siting and design.*
- b) *As used in this subsection, "accessory dwelling unit" means an interior, attached or detached residential structure that is used in connection with or that is accessory to a single-family dwelling.*

This new requirement becomes effective on July 1, 2018 and subject cities and counties must accept applications for ADUs inside urban growth boundaries (UGBs) starting July 1, 2018. Many local governments in Oregon already have ADU regulations that meet the requirements of SB 1051, however, some do not. Still others have regulations that, given the overall legislative direction to encourage the construction of ADUs to meet the housing needs of Oregon's cities, are not "reasonable." The Oregon Department of Land Conservation and Development (DLCD) is issuing this guidance and model code language to help local governments comply with the legislation. The model code language is included on its own page at the end of this document.

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<sup>1</sup> *The scrivener's error in SB 1051 was removing the words "within the urban growth boundary." HB 4031 added the words into statute, thus limited the siting of ADUs within UGBs.*

**Guidance by Topic**

The purpose of the following guidance is to help cities and counties implement the ADU requirement in a manner that meets the letter and spirit of the law: to create more housing in Oregon by removing barriers to development.

*Number of Units*

The law requires subject cities and counties to allow “at least one accessory dwelling unit for each detached single-family dwelling.” While local governments must allow one ADU where required, DLCDC encourages them to consider allowing two units. For example, a city or county could allow one detached ADU and allow another as an attached or interior unit (such as a basement conversion). Because ADUs blend in well with single-family neighborhoods, allowing two units can help increase housing supply while not having a significant visual impact. Vancouver, BC is a successful example of such an approach.

*Siting Standards*

In order to simplify standards and not create barriers to development of ADUs, DLCDC recommends applying the same or less restrictive development standards to ADUs as those for other accessory buildings. Typically that would mean that an ADU could be developed on any legal lot or parcel as long as it met the required setbacks and lot coverage limits; local governments should not mandate a minimum lot size for ADUs. So that lot coverage requirements do not preclude ADUs from being built on smaller lots, local governments should review their lot coverage standards to make sure they don’t create a barrier to development. To address storm water concerns, consider limits to impermeable surfaces rather than simply coverage by structures.

In addition, any legal nonconforming structure (such as a house or outbuilding that doesn’t meet current setback requirements) should be allowed to contain, or be converted to, an ADU as long as the development does not increase the nonconformity.

*Design Standards*

Any design standards required of ADUs must be clear and objective (ORS 197.307[4]). Clear and objective standards do not contain words like “compatible” or “character.” With the exception of ADUs that are in historic districts and must follow the historic district regulations, DLCDC does not recommend any special design standards for ADUs. Requirements that ADUs match the materials, roof pitch, windows, etc. of the primary dwelling can create additional barriers to development and sometimes backfire if the design and materials of the proposed

ADU would have been of superior quality to those of the primary dwelling, had they been allowed.

*Parking*

Requiring off-street parking is one of the biggest barriers to developing ADUs and it is recommended that jurisdictions not include an off-street parking requirement in their ADU standards. Adding off-street parking on many properties, especially in older centrally-located areas where more housing should be encouraged, is often either very expensive or physically impossible. In addition, when adding an additional off-street parking space requires a new or widened curb cut, it removes existing on-street parking, resulting in no net gain of parking supply. As an alternative to requiring off-street parking for ADUs, local governments can implement a residential parking district if there is an on-street parking supply shortage. For more help on parking issues, visit [www.oregon.gov/lcd/tgm/pages/parking.aspx](http://www.oregon.gov/lcd/tgm/pages/parking.aspx) or contact DLCD.

*Owner Occupancy*

Owner-occupancy requirements, in which the property owner is required to live on the property in either the primary or accessory dwelling unit, are difficult to enforce and not recommended. They may be a barrier to property owners constructing ADUs, but will more likely simply be ignored and constitute an on-going enforcement headache for local governments.

*Public Utilities*

Development codes that require ADUs to have separate sewer and water connections create barriers to building ADUs. In some cases, a property owner may want to provide separate connections, but in other cases doing so may be prohibitively expensive.

*System Development Charges (SDCs)*

While SDCs are not part of the development code and SB 1051 does not require them to be updated, local governments should consider revising their SDCs to match the true impact of ADUs in order to remove barriers to their development. ADUs are generally able to house fewer people than average single-family dwellings, so their fiscal impact would be expected to be less than a single-family dwelling. Accordingly, it makes sense that they should be charged lower SDCs than primary detached single-family dwellings.

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## Accessory Dwellings (model code)

**Note:** ORS 197.312 requires that at least one accessory dwelling be allowed per detached single-family dwelling in every zone within an urban growth boundary that allows detached single-family dwellings. Accessory dwellings are an economical way to provide additional housing choices, particularly in communities with high land prices or a lack of investment in affordable housing. They provide an opportunity to increase housing supply in developed neighborhoods and can blend in well with single-family detached dwellings. Accessory dwelling regulations can be difficult to enforce when local codes specify who can own or occupy the homes. Requirements that accessory dwellings have separate connections to and pay system development charges for water and sewer services can pose barriers to development. Concerns about neighborhood compatibility, parking, and other factors should be considered and balanced against the need to address Oregon's housing shortage by removing barriers to development.

The model development code language below provides recommended language for accessory dwellings. The italicized sections in brackets indicate options to be selected or suggested numerical standards that communities can adjust to meet their needs. Local housing providers should be consulted when drafting standards for accessory dwellings, and the following standards should be tailored to fit the needs of your community.

Accessory dwellings, where allowed, are subject to review and approval through a Type I procedure[, pursuant to Section \_\_\_\_\_,] and shall conform to all of the following standards:

**[A. One Unit.** *A maximum of one Accessory Dwelling is allowed per legal single-family dwelling. The unit may be a detached building, in a portion of a detached accessory building (e.g., above a garage or workshop), or a unit attached or interior to the primary dwelling (e.g., an addition or the conversion of an existing floor).*

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**A. Two Units.** *A maximum of two Accessory Dwellings are allowed per legal single-family dwelling. One unit must be a detached Accessory Dwelling, or in a portion of a detached accessory building (e.g., above a garage or workshop), and one unit must be attached or interior to the primary dwelling (e.g., an addition or the conversion of an existing floor).]*

### **B. Floor Area.**

1. A detached Accessory Dwelling shall not exceed [800-900] square feet of floor area, or [75] percent of the primary dwelling's floor area, whichever is smaller.
2. An attached or interior Accessory Dwelling shall not exceed [800-900] square feet of floor area, or [75] percent of the primary dwelling's floor area, whichever is smaller. However, Accessory Dwellings that result from the conversion of a level or floor (e.g., basement, attic, or second story) of the primary dwelling may occupy the entire level or floor, even if the floor area of the Accessory Dwelling would be more than [800-900] square feet.

**C. Other Development Standards.** Accessory Dwellings shall meet all other development standards (e.g., height, setbacks, lot coverage, etc.) for buildings in the zoning district, except that:

1. Conversion of an existing legal non-conforming structure to an Accessory Dwelling is allowed, provided that the conversion does not increase the non-conformity; and

2. No off-street parking is required for an Accessory Dwelling.

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**Definition** (This should be included in the “definitions” section of the zoning ordinance. It matches the definition for Accessory Dwelling found in ORS 197.312)

**Accessory Dwelling** – An interior, attached, or detached residential structure that is used in connection with, or that is accessory to, a single-family dwelling.