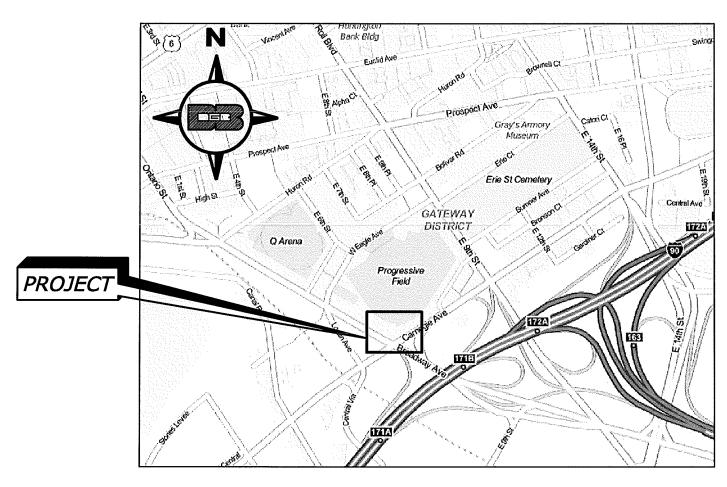
# XO COMMUNICATIONS

## ONTARIO STREET & CARNEGIE STREET INTERSECTION

LEGEND			
ITEM	DESCRIPTION		
( <u>Ī</u> )	TELEPHONE MANHOLE		
λ	SIGN		
φ	LIGHT POLE		
(ÚM)	UNKNOWN MANHOLE		
(SĀ) ⊚	COMBINED STORM AND SANITARY SEWER MANHOLES		
(∰)	WATER VALVE		
(Ŵ)	WATER MANHOLE		
点	FIRE HYDRANT		
ø	UTILITY POLE		
$ \overline{\phi} $	TELECOM POLE		
0	SIGNAL POLE		
<u> </u>	LIGHT POLE		
	TREE OR SHRUB		
Īß	TRAFFIC PULL BOX		
	ELECTRIC PULL BOX		
ΗΘ	GAS VALVE		
$\Diamond$	SIGN POST		
® <b>□</b>	STORM CATCH BASINS		
СВ	INLET CATCH BASINS		
(Ē)	ELECTRIC MANHOLE		
(DATUR)	DEPICTED ACCORDING TO UTILITY RECORDS		
UTILITY LINES AND CONDUITS AS LABELED ON PLAN			
PROPOSED XO DUCT RELOCATION			



LOCATION MAP



- PORTION TO BE IMPROVED

### XO COMMUNICATIONS

GENERAL NOTES:

- 1. ALL KNOWN UNDERGROUND UTILITIES AND OBSTRUCTIONS ARE PRESENT ON DRAWING AND ASSEMBLED FROM AVAILABLE CITY AND UTILITY MAPS AND FIELD OBSERVATIONS. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO LOCATE, PROTECT AND REPAIR IF DAMAGED.
- 2. CONTRACTOR IS RESPONSIBLE FOR CONTACTING UTILITIES PRIOR TO CONSTRUCTION.
- 3. CALL UNDERGROUND SERVICE ALERT, AS SHOWN BELOW, 48 HOURS PRIOR TO EXCAVATION.
- 4. CONTRACTOR RESPONSIBLE FOR POTHOLING, LOCATING AND PROBING ALL UNDERGROUND STRUCTURES.

THE UNDERGROUND UTILITIES SHOWN ARE BASED UPON FIELD RECORDS WHEREVER POSSIBLE, OTHERWISE FROM RECORDS WHICH MAY OR NOT BE COMPLETE OR ACCURATE.

THESE DRAWINGS ARE FOR ENGINEERING AND PERMITTING PURPOSES ONLY, UTILITIES SHOWN ARE APPROXIMATE.

OUPS CALLS ARE TO BE MADE BY CONTRACTOR FOR UTILITY LOCATIONS.



Utilities Construction Co.
645 South Green Road
South Euclid, Ohio 44121
Office: (216) 381-8100 Fax: (216) 381-5422

Job Description & Location:

XO COMMUNICATIONS ONTARIO STREET & CARNEGIE STREET INTERSECTION

DONALD G. BOHNING & ASSOCIATES, INC. CIVIL ENGINEERING & SURVEYING

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 Date:
 MAR., 2012

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 Page:
 1 of 11













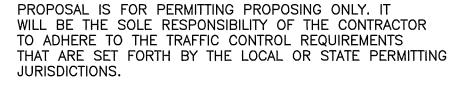
WORK AREA

CHANNELING DEVICES (TRAFFIC CONES, DELINEATOR POSTS, VERTICAL PANELS, ETC.)

HIGH LEVEL WARNING DEVICE

**ENFORCEMENT OFFICER** 

FLAGGING (COUNTERMANDING TRAFFIC SIGNALS REQUIRES OFF-DUTY LAW



1. THE TRAFFIC CONTROL PLAN PRESENTED IN THIS

TRAFFIC CONTROL:





- 4. THE LENGTH OF CONSTRUCTION PER DAY WILL BE DETERMINED BY THE TIME CONSTRAINTS PRESCRIBED BY THE LOCAL STATE PERMITTING JURISDICTIONS.
- 5. ALL NECESSARY AND APPROPRIATE TRAFFIC CONTROL DEVICES SHALL BE IN PLACE BEFORE WORK IS STARTED. DEVICES NO LONGER REQUIRED SHALL BE REMOVED AS SOON AS POSSIBLE.

1. FOR NIGHT TIME USAGE, REFER TO WARNING LIGHT

2. ADDITIONAL TEMPORARY TRAFFIC CONTROL DEVICES

(SEQUENTIAL ARROWS, BARRICADES, STEEL PLATES)

APPLICATIONS DURING NIGHT TIME OPERATIONS.



**WORKERS** 













0

**BARRICADES** 

SURVEY RODMAN



FLASHING ARROW SIGN







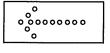


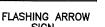


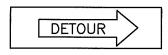




WARNING SIGNS









**GUIDE SIGNS** 

## PARKING SIGNS AND GUIDE SIGNS



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Job Description & Location:

**XO COMMUNICATIONS -**ONTARIO STREET & CARNEGIE STREET INTERSECTION DONALD G. BOHNING & ASSOCIATES, INC. CIVIL ENGINEERING & SURVEYING

NOTES:

MAY BE REQUIRED.

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File Name:	4187	Date:	MAR., 2012
Scale:	N/A	Page:	2 of 11

## **CONSTRUCTION NOTES**

- 1. ALL EXCAVATIONS WILL BE BACKFILLED PER CITY, COUNTY, STATE OR ODOT SPECIFICATIONS.
- FIBER OPTIC WARNING TAPE WILL BE PLACED A MINIMUM OF 12" BELOW THE EXISTING GRADE IN ALL EXCAVATIONS.
- CONTRACTOR IS RESPONSIBLE FOR THE VERIFICATION AND LOCATION OF ALL EXISTING UTILITY CROSSINGS, CONTRACTOR WILL HAND DIG AS NEEDED.
- CONTRACTOR MUST CALL THE LOCAL UTILITY ONE—CALL NUMBER AT LEAST 72 HOURS IN ADVANCE OF ANY CONSTRUCTION.
- CONTRACTOR MUST FOLLOW ALL CITY SPECIFICATIONS ON SEPARATIONS BETWEEN CONDUITS AND UTILITIES.
- CONTRACTOR WILL CAP ALL THE ENDS OF ANY VACANT DUCTS DURING CONSTRUCTION, UPON COMPLETION AND WHILE AWAITING FIBER INSTALLATION.
- THE BENDING RADIUS FOR ALL FIBER CABLE WILL BE PER CABLE MANUFACTURER SPECS.
- FIBER CABLE INSTALLATION TENSION WILL NOT EXCEED A MAXIMUM OF 600 POUNDS, A 600 POUND BREAKAWAY WILL BE USED DURING ALL FIBER PULLING.
- CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL AND STORAGE OF ALL SHRUBBERY TO BE REPLACED.
- CONTRACTOR IS RESPONSIBLE TO MAINTAIN CONSTRUCTION AS—BUILT DRAWINGS AND PRESENT A COMPLETE SET OF RED-LINED DRAWINGS TO THE CONTRACT PROVIDER WITHIN 14 DAYS OF COMPLETION OF THE WORK.
- CONDUITS WILL BE TERMINATED NO MORE THAN SIX (6) INCHES ABOVE THE FLOOR GRADE IN ALL HANDHOLES.
- CONTRACTOR MUST PLACE AT LEAST EIGHT (8) INCHES OF 3/4" CRUSHED ROCK IN THE BOTTOM OF ALL HANDHOLE PITS PRIOR TO PLACING THE WIRE MESH WITH A MINIMUM OR 2 SQUARES PER INCH.
- CONTRACTOR MUST PLACE FIBER SLACK COILS IN EACH MANHOLE/HANDHOLE IN ACCORDANCE TO THE PRINTS.
- RIGHT OF WAY (ROW) LINES COINCIDE WITH THE BACK OF THE SIDEWALKS, UNLESS OTHERWISE INDICATED.
- MANHOLES ARE PER CITY SPECIFICATION AND H-20 RATED.



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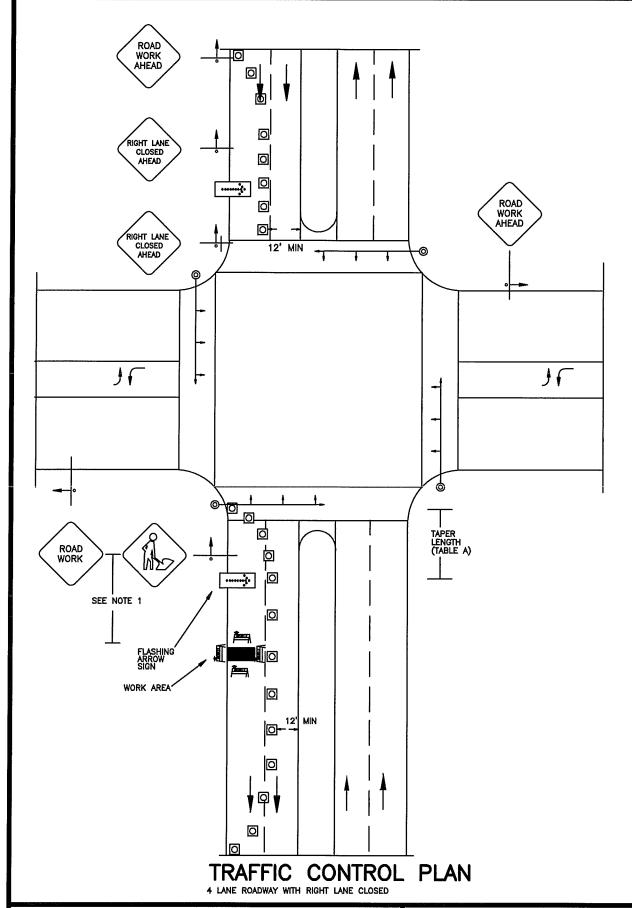
ONTARIO STREET & CARNEGIE STREET INTERSECTION

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MAR., 2012

Page: N/A 3 of 11

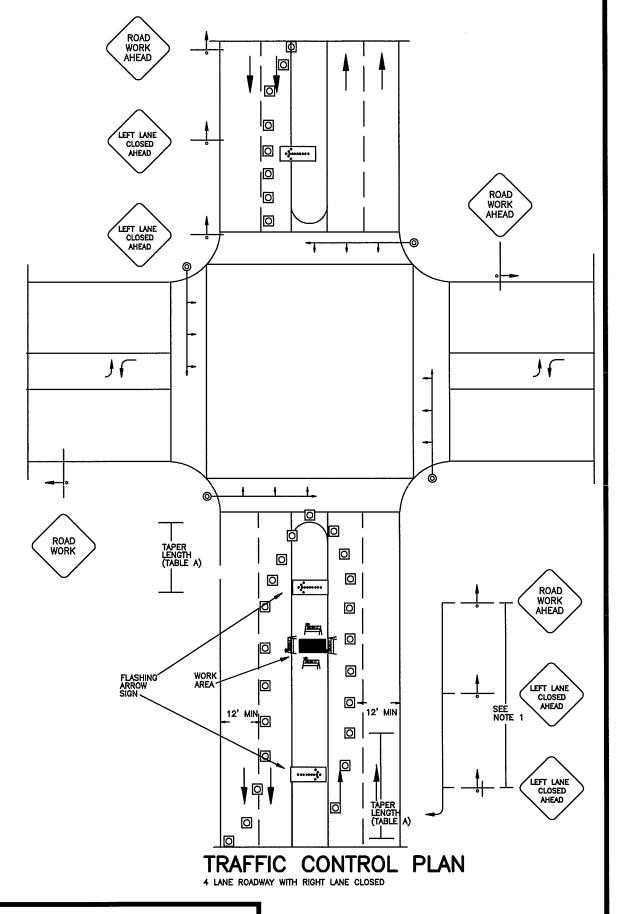


#### NOTES:

- 1. THE LOCATION OF THE SIGNS AS SHOWN ON THE ILLUSTRATIONS ARE GUIDELINES AND ACTUAL LOCATIONS WILL DEPEND UPON ALIGNMENT, GRADE, LOCATION OF STREET INTERSECTIONS AND POSTED SPEED LIMITS.
- 2. ALL SIGNS WHICH ARE TO CONVEY THEIR MESSAGES DURING DARKNESS SHALL BE REFLECTIVE OR ILLUMINATED.
- 3. DISTANCES MAY VARY AS APPROVED BY THE DESIGNER.
- 4. FLAGGERS REQUIRED TO CONTROL TRAFFIC WHENEVER THE CONTRACTOR MUST INTERRUPT TRAFFIC FLOW TO ACCESS THE WORK SITE WITH MATERIALS OR EQUIPMENT.

## **LEGEND:**

O CONE OR CHANNELING DEVICE





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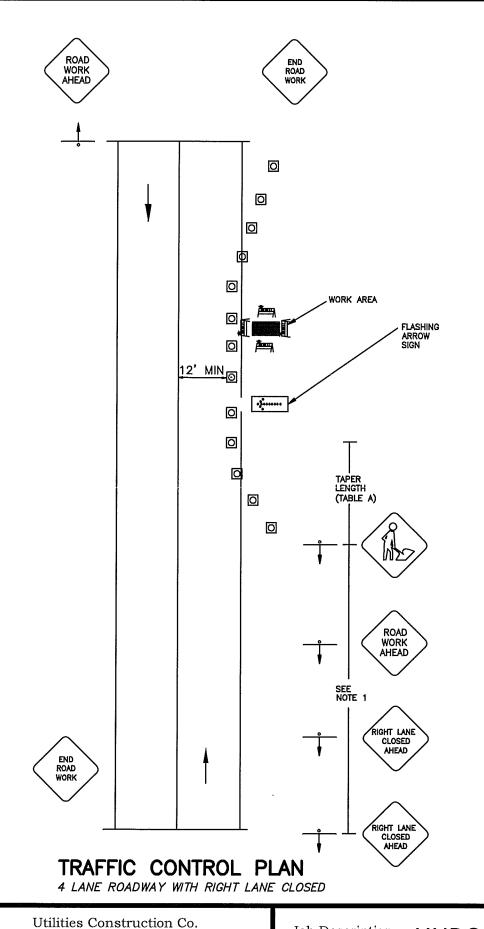
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File Name:	4187	Date:	MAR., 2012
Scale:	N/A	Page:	4 of 11

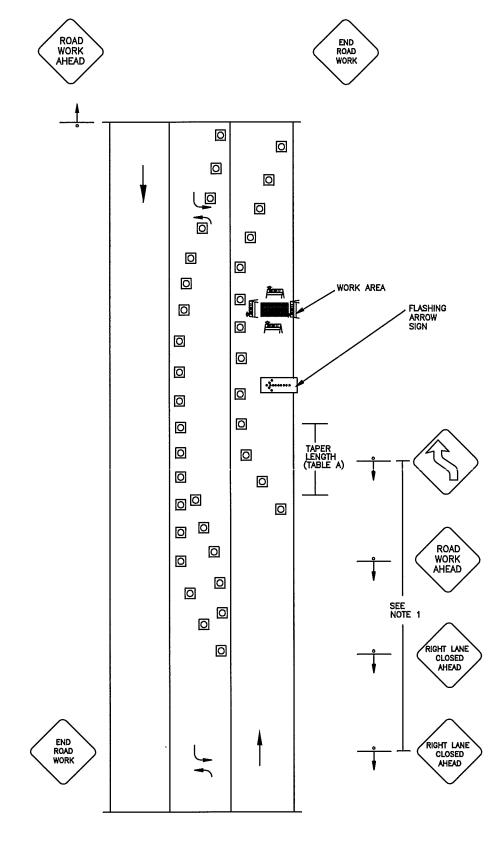


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### **LEGEND:**

O CONE OR CHANNELING DEVICE



## TRAFFIC CONTROL PLAN

4 LANE ROADWAY WITH RIGHT LANE CLOSED



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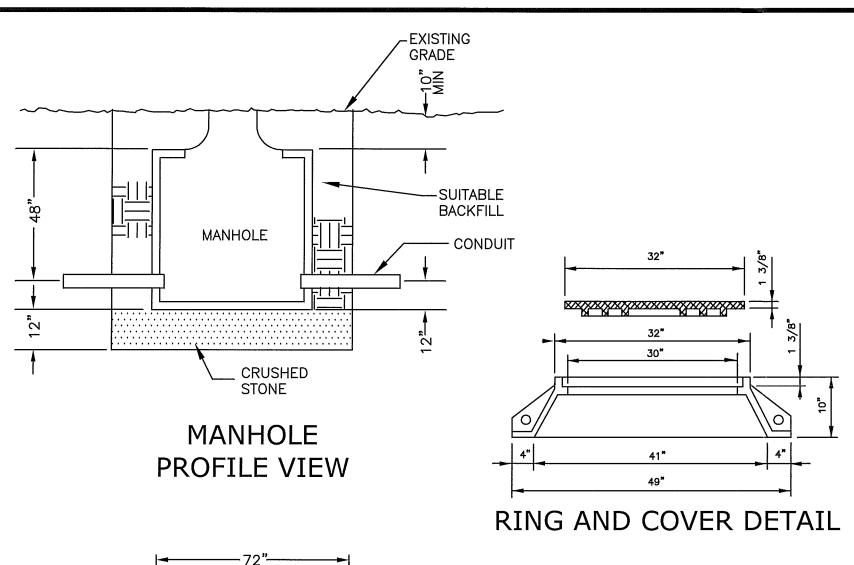
**HURON ROAD - PROSPECT** AVE. TO E. 7th STREET

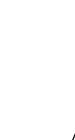
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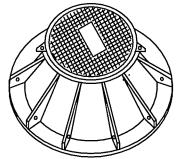
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File Name:	4187	Date:	MAR., 2012
Scale:	N/A	Page:	5 of 11



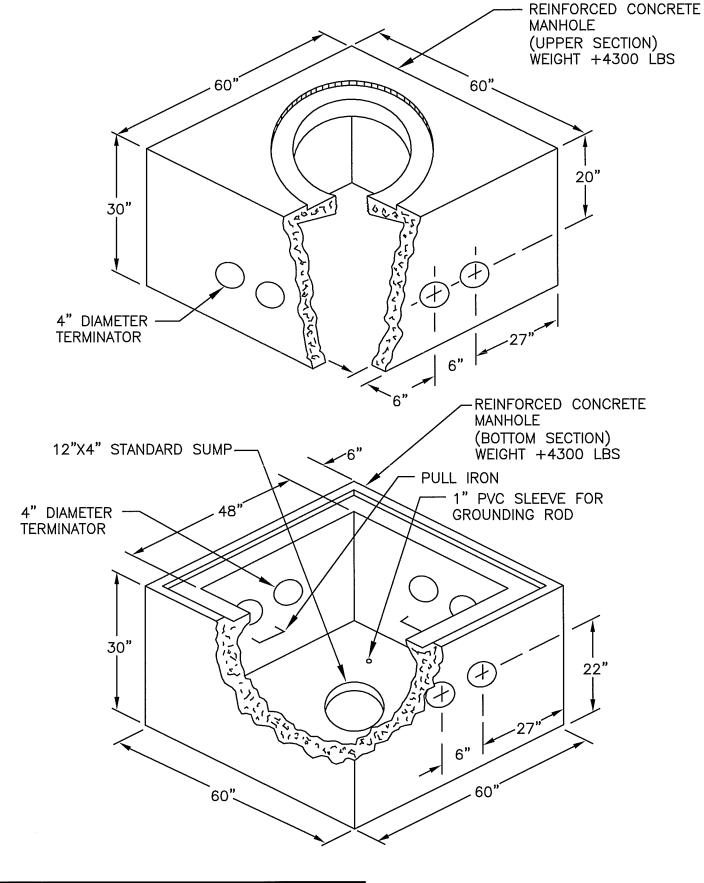




**MANHOLE** 

**COVER** 

- 1. EACH MANHOLE TO HAVE (4) PICK SLOTS FOR REMOVING.
- 2. ACCESS HOLE 30"





SUITABLE BACKFILL

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MANHOLE

**MANHOLE** 

**PLAN VIEW** 

Job Description & Location:

**XO COMMUNICATIONS -**

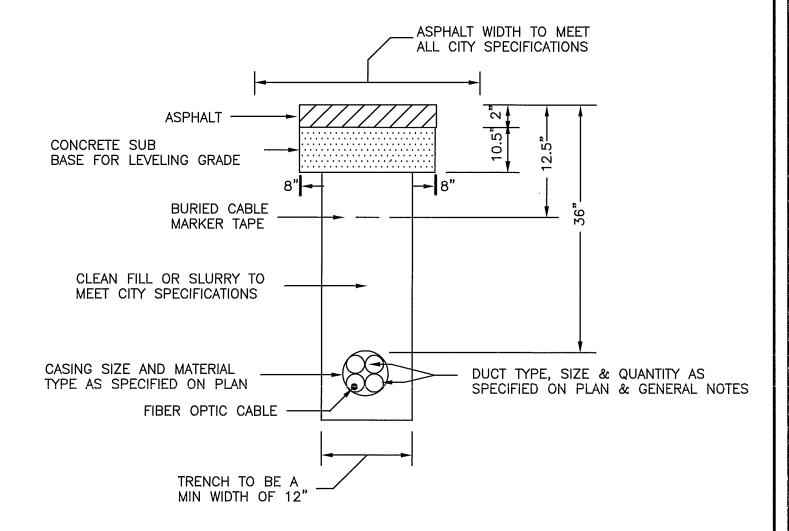
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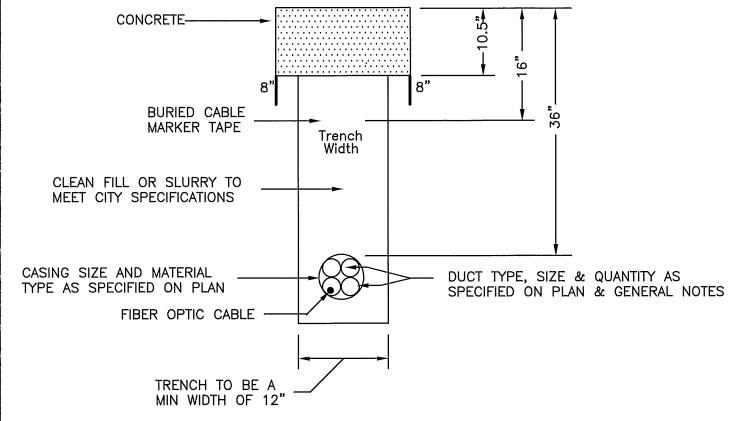
File Name:	4187	Date:	MAR., 2012
Scale:	N/A	Page:	6 of 11

# ASPHALT OPEN CUT TRENCH DETAIL



\* THICKNESS OF ASPHALT SURFACE AND SUB \* BASE TO MEET ALL CITY SPECIFICATIONS

# FINISH CONCRETE OPEN CUT TRENCH DETAIL



\* THICKNESS OF ASPHALT SURFACE AND SUB BASE TO MEET ALL CITY SPECIFICATIONS

## **CONSTRUCTION NOTES:**

- 1. VOID IN EXCAVATING AREAS TO BE BACKFILLED WITH SELECT MATERIAL.
- 2. BOTTOM OF EXCAVATED PIT TO BE BACKFILLED WITH 12" OF CRUSHED STONE (3/4" GRADE).
- 3. SHÓRING WILL BE REQUIRED.
- 4. ALL MANHOLE SHALL BE PLACED WITH COVER, FLUSH WITH EXISTING GRADE.
- 5. IF MANHOLE SHALL CONTAIN FIBER SPLICES, INSTALL AN 8' LG. X 5/8" DIA. COPPER CLAD GROUND ROD INTO THE BOTTOM OF THE MANHOLE SUMP. A #6 BCW SHALL BE CLAMPED TO THE ROD AND ATTACHED TO THE GROUND LUG/ROD ON THE SIDE WALL OF THE MANHOLE.



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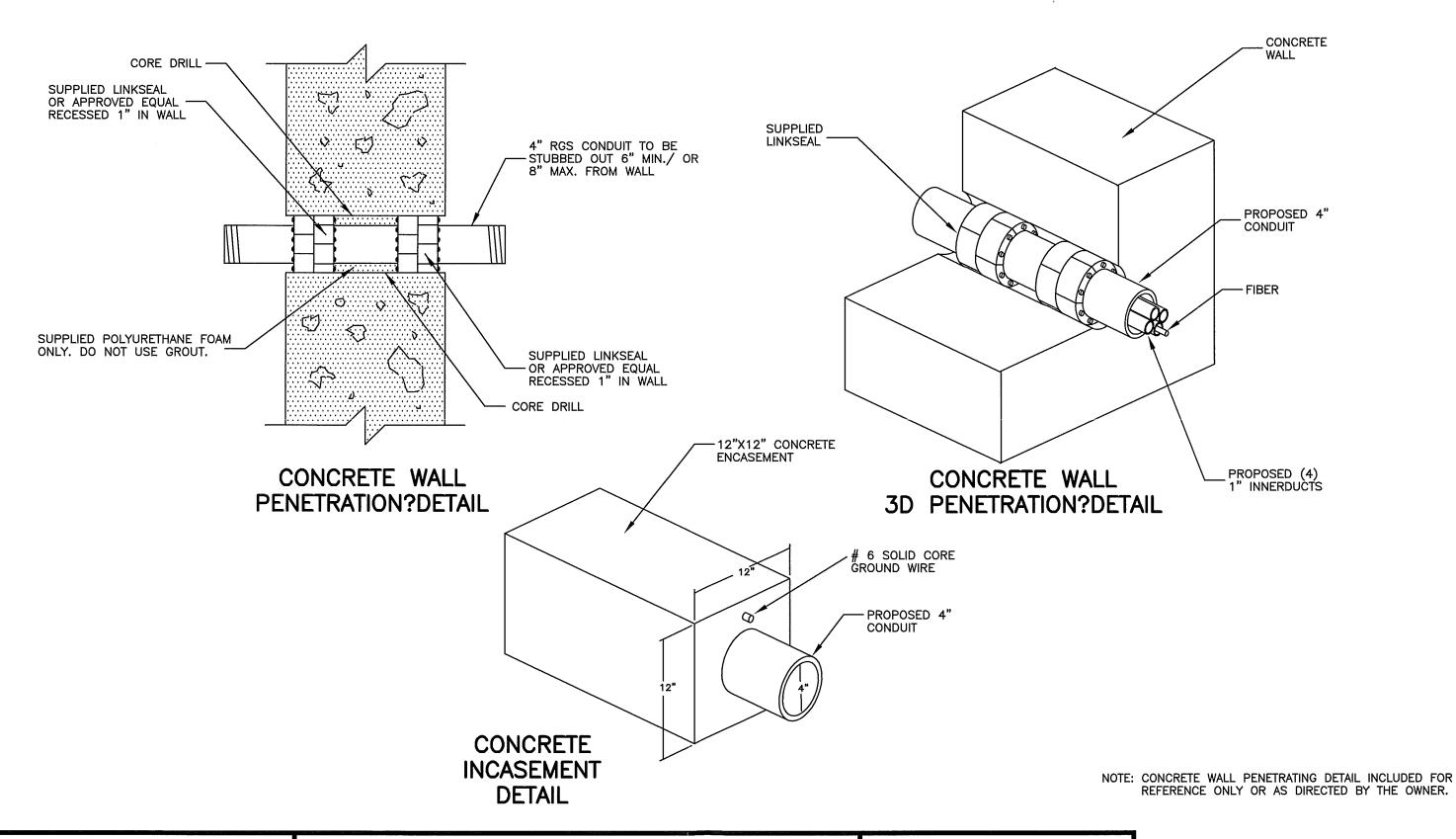
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File Name:	4187	Date:	MAR., 2012	
Scale:	N/A	Page:	7 of 11	



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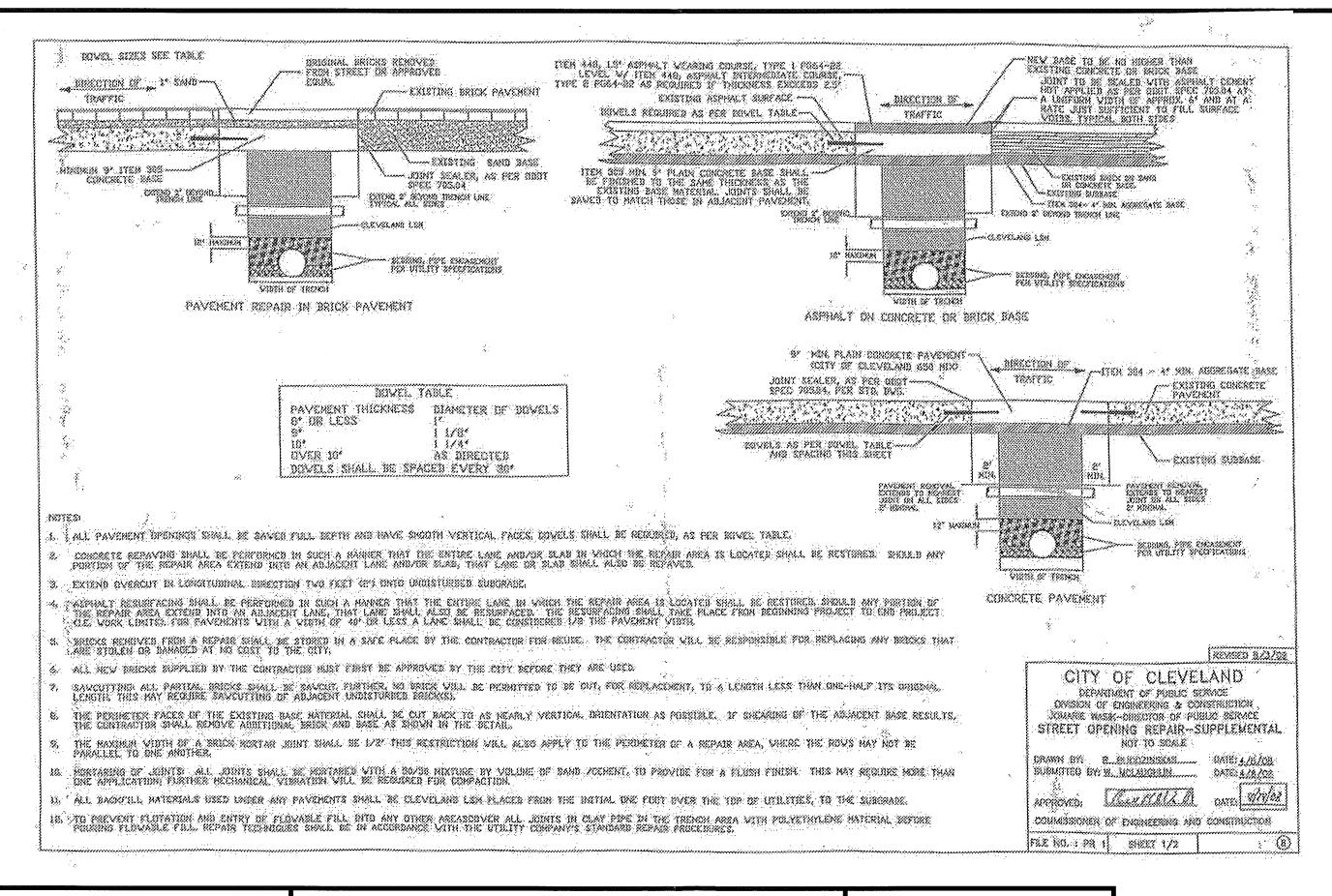
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File Name:	4187	Date:	MAR., 2012
Scale:	N/A	Page:	8 of 11





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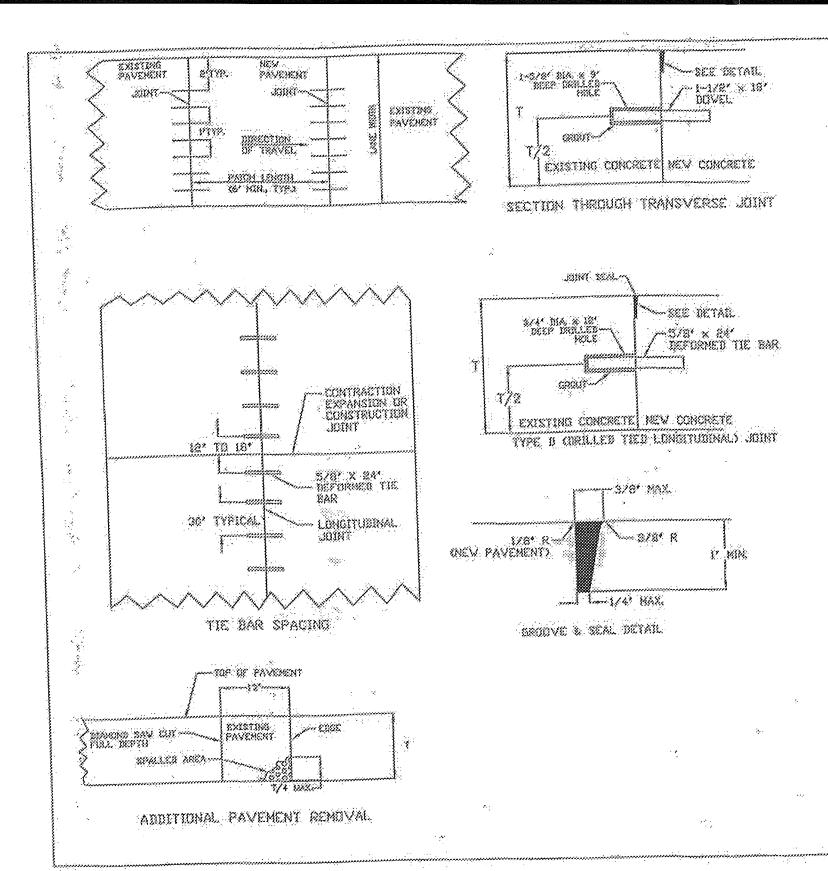
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File Name:	4187	Date:	MAR., 2012
Scale:	N/A	Page:	9 of 11



MOTES

- 1. ALL JOINTS SPALL BE CONSTRUCTED NORMAL TO THE CENTERLINE OF THE PAVENENT LANE.
- Z. ALL BOVEL HOLES SHALL BE DRILLED BY A MECHANICAL
  BEVICE THAT VILL ALLOW INDEPENDENT ADJUSTMENT
  OF ALL DRILL SHAFTS IN THE HORIZONTAL AND
  VERTICAL DIRECTION. THE DEVICE SHALL BE CAPABLE
  OF DRILLING A KNOWN OF THREE HOLES AT ONE TIME
- AL SADOTH POVELS SHALL BE COATED VITH A THIN LAYER OF OIL OR OTHER BOND-BREAKING MATERIAL AFTER THEY HAVE BEEN INSTALLED BY THE EXISTING PAVENEST AND JUST FRIDR TO PLACING THE PATCH ALL DOVELS SHALL BE PLACED FARALLEL TO THE PAVENEST SUPPACE AND THE CENTERLINE OF THE PAVENESH LAND.
- 4. ADDITIONAL PAYERS OF PERCYAL IF AFTER THE REPOVAL TO THE PAYER OF THE REPAIRED OF THE PAYER OF THE REPAIRED OF THE PAYER OF THE REMAINING PAYERS THAT DEFENDED OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY ADDITIONAL REMOVAL SHALL BE MADE AS SHOWN.
- S. LONGTODONAL JOINTS FOR PATCHES TO FEET OR GREATER IN
  LENGTH THE LONGITUDINAL JOINT SHALL BE
  CONSTRUCTED AS PER STANDARD DRAVING SPACING OF
  THE TIE BORS SHALL BE NO MORE THAN 30' NOR LESS
  THAN EAS.
- S. TYPE D (SPELLED TIED LINGTIVENAL ANNIOUS PER TYPE B AND SERVED SHALL BE CONSTRUCTED BY ACCOMMANDE WITH COST SPECTORS OF GROWN STATE AND SERVED SHALL BE ANNIOUS SHALL BE SERVED SHALL BE SHALL BE SERVED SHALL BE SHALL B
- 7. SEALING JUINTS.
  SAVER OF HARR FORMER JOHN'S SHALL BE SEALED WITH COURT FUSAN
  SONT DEALER.

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## CITY OF CLEVELAND

DEPARTMENT OF PUBLIC SERVICE
DIVISION OF ENSIGEERING & CONSTRUCTION
ACUSAGE WASH-DIRECTOR OF PUBLIC SERVICE
STREET OPENING REPAIR
NOT TO SCALE

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COUNTESCREE OF ENGINEERING AND CONSTRUCTION

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File Name:	4187	Date:	MAR., 2012
Scale:	N/A	Page:	10 of 11

