

2019 STORMWATER PROJECTS  
AMBERLEY VILLAGE  
HAMILTON COUNTY, OHIO  
PROJECT #190449  
JULY 2019

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SITE 1 - 2628 FAIR OAKS LANE STORM SEWER . . . . . SH6  
SITE 2 - 6785 - 6825 W FARM ACRES DR STORM SEWER. . . . . SH7



APPROVED FOR CONSTRUCTION BY:

SCOT LAHRMER, VILLAGE MANAGER

DATE



FRANK TWEHUES, PE

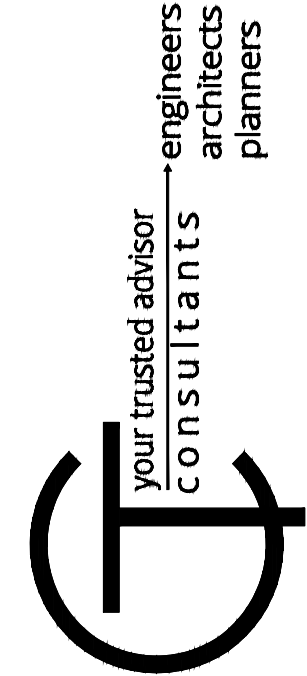
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AMBERLEY 2019  
STORM PROGRAM  
AMBERLEY VILLAGE, OH

TITLE SHEET

PROJECT NO.	
190449	
DISCIPLINE	
CIVIL	
SHEET NAME	
TITLE	
SHEET	OF
1	7

ISSUED FOR:	BID	NO	REVISION	DATE
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## GENERAL NOTES

GENERAL NOTES (CONT'D)

GAS MAIN / STORM SEWER CROSSINGS

IF THE SEPARATION OF A GAS MAIN AND STORM SEWER PIPE CROSSING IS 3" OR LESS, INSULATION BOARD SHALL BE INSTALLED BETWEEN THE PIPES. THE TYPE OF BOARD SHALL BE PER DUKE ENERGY GAS SPECIFICATIONS (DUKE ENERGY GAS MAY SUPPLY BOARD AT NO COST TO THE CONTRACTOR)

PAYMENT FOR THE WORK DESCRIBED ABOVE SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE PERTINENT**611 CONDUIT ITEMS.**

SOIL CONDITIONS / WATER TABLE

THE CONTRACTOR IS RESPONSIBLE FOR EXAMINING AND DETERMINING SITE CONDITIONS AS IT RELATES TO SOIL CONDITIONS AND GROUND WATER TABLE. THE CONTRACTOR IS RESPONSIBLE FOR STABILIZING ALL TRENCH WORK, USING TEMPORARY SHORING (TRENCH BOXES OR OTHER ) IF NECESSARY TO CONSTRUCT THE IMPROVEMENTS AS DESIGNED PER THESE PLANS AND SPECIFICATIONS . THE CONTRACTOR IS ALSO RESPONSIBLE FOR PUMPING / DEWATERING TRENCHES, IF NECESSARY , IN ORDER TO CONSTRUCT THE IMPROVEMENTS AS DESIGNED PER THESE PLANS AND SPECIFICATIONS.

PAYMENT FOR THE WORK DESCRIBED ABOVE SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE PERTINENT 611**CONDUIT ITEMS.**

GENERAL

IN ACCORDANCE WITH THE GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS AT THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THE REQUIREMENT WILL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.

ANY INFORMATION OR DATA ON THESE DRAWINGS IS NOT INTENDED TO BE SUITABLE FOR REUSE BY ANY PERSON, FIRM OR CORPORATION OR ANY OTHERS ON EXTENSIONS OF THE PROJECT OR FOR ANY USE ON ANY OTHER PROJECT. ANY REUSE WITHOUT WRITTEN VERIFICATION AND ADAPTATION BY THE ENGINEER FOR THE SPECIFIC PURPOSE INTENDED WILL BE AT THE USERS SOLE RISK AND WITHOUT LIABILITY OR LEGAL EXPOSURE TO THE ENGINEER.

ITEM 611, CONDUIT, BY SIZE

FOR THE BASE BID, THE STORM SEWER PIPE MATERIAL SHALL BE PER ODOT SPECIFICATIONS, WITH THE EXCEPTION THAT THE REQUIREMENTS OF 611.04, 611.12 & 611.13 WILL NOT APPLY TO THIS PROJECT.

MAINTENANCE OF TRAFFIC

MAINTENANCE OF TRAFFIC

THE CONTRACTOR SHALL MAINTAIN TRAFFIC AT ALL TIMES IN ACCORDANCE WITH THE REQUIREMENTS OF ODOT SPEC. 614. NO LANE CLOSURES SHALL BE ALLOWED ON SECTION ROAD BETWEEN 7-9 AM & 4-6 PM).

SPECIFIC ATTENTION WILL BE DIRECTED TOWARD THE PROPER USE OF FLAGGERS, LIGHTS, ARROW BOARDS, DRUMS, AND TEMPORARY PAVEMENT MARKINGS (IF NECESSARY). THE CONTRACTOR SHALL FURNISH, ERECT AND MAINTAIN ALL NECESSARY SIGNS, AND PROVIDE TEMPORARY STRIPING (IF NECESSARY). THE CONTRACTOR SHALL ALSO PROVIDE ALL PLATING, TEMPORARY PAVEMENT AND TRAFFIC CONTROL MEASURES NECESSARY TO MAINTAIN TWO-WAY TRAFFIC. THE COST OF ALL TEMPORARY TRAFFIC CONTROL ITEMS NECESSARY TO SAFELY MAINTAIN TRAFFIC SHALL BE COMPLETED IN ACCORDANCE WITH **ITEM 614 - MAINTAINING TRAFFIC.**

MAINTENANCE OF TRAFFIC SHALL BE ONGOING THROUGHOUT THE PROJECT, INCLUDING ALL PERIODS OF INACTIVITY BY THE CONTRACTOR, UNTIL FINAL ACCEPTANCE OF THE PROJECT. **THE COST OF THIS ITEM 614 - MAINTAINING TRAFFIC SHALL BE INCIDENTAL TO THE CONTRACT.**

OPEN TRENCHES

ALL OPEN TRENCHES FOR STORM SEWERS, WATERMAINS, ETC. SHALL BE PROPERLY DELINEATED FROM THE TRAVELED ROADWAY BY REFLECTIVE DRUMS. TRENCHES SHALL EITHER BE BACKFILLED OR COVERED DURING NON-WORKING HOURS OR PERIODS OF NO CONSTRUCTION.

MAINTENANCE OF EXISTING ROADWAY / DRIVEWAYS

THE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTAINING THE EXISTING ROADWAYS AND DRIVEWAYS IN GOOD CONDITION WITH RESPECT TO BOTH SAFETY AND SMOOTHNESS OF TRAVEL AS LONG AS IT IS NEEDED FOR MAINTAINANCE OF TRAFFIC.

THE COST OF ADDITIONAL WORK AND MATERIAL NECESSARY TO REPAIR AND MAINTAIN THE EXISTING ROADWAYS SHALL BE INCIDENTAL TO THE CONTRACT.

CONSTRUCTION SCHEDULE

IN DETAILING THE CONSTRUCTION SCHEDULE, THE CONTRACTOR SHALL PROVIDE THE LEAST POSSIBLE INCONVENIENCE TO THE TRAVELING PUBLIC DURING CONSTRUCTION. WORK SHALL NOT PROCEED ON THE PROJECT UNTIL SUCH TIME AS THE SCHEDULE IS APPROVED BY BOTH THE ENGINEER AND THE VILLAGE MANAGER.

THE CONTRACTOR SHALL GIVE WRITTEN NOTICE TO ALL RESIDENTS AND BUSINESSES AND GIVE A COPY OF SAID WRITTEN NOTICE TO THE PROJECT INSPECTOR 48 HOURS PRIOR TO BEING ALLOWED TO COMMENCE WORK WHICH WOULD INVOLVE ACCESS TO SAID PROPERTY.

ACCESS TO PROPERTY

TEMPORARILY BLOCKING OF THE TRAFFIC TO ANY RESIDENTIAL PROPERTY DURING CONSTRUCTION IS ALLOWABLE. HOWEVER, ACCESS TO ABUTTING PROPERTIES, FOR DELIVERIES, SERVICES, EMERGENCY VEHICLES, ETC., SHALL BE MAINTAINED AT ALL TIMES. IN ADDITION, THE CONTRACTOR MUST NOTIFY ALL RESIDENTS 48 HOURS BEFORE COMMENCING TO ALLOW THEM ADEQUATE TIME TO MOVE ANY VEHICLE IN OR OUT.

TEMPORARY BLOCKING OF TRAFFIC

TEMPORARY BLOCKING OF TRAFFIC BY CONSTRUCTION VEHICLES SHALL BE HELD TO A MAXIMUM OF FIVE (5) MINUTES IN A 60 MINUTE PERIOD. IF UPON NOTIFICATION FROM THE POLICE DEPARTMENT THAT TRAFFIC IS NOT CLEARING OUT OF THE AFFECTED AREA WITHIN A REASONABLE TIME, THE ENGINEER MAY REDUCE THE MAXIMUM ALLOWABLE TIME THAT CONSTRUCTION VEHICLES MAY BLOCK TRAFFIC.

USE OF LAW ENFORCEMENT OFFICERS

USE OF LAW ENFORCEMENT OFFICERS, IF NECESSARY, SHALL BE COORDINATED THROUGH AMBERLEY VILLAGE POLICE DEPARTMENT 48 HOURS IN ADVANCE, REQUESTING THE DEPARTMENT TO PROVIDE OFF-DUTY OFFICERS.

COST FOR HIRING THE OFF-DUTY POLICE OFFICERS SHALL BE PAID FOR BY THE CONTRACTOR. THE CONTRACTOR SHALL BE INCIDENTAL TO THE CONTRACT.

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STORM PROGRAM  
AMBERLEY VILLAGE, OH

MOT NOTES

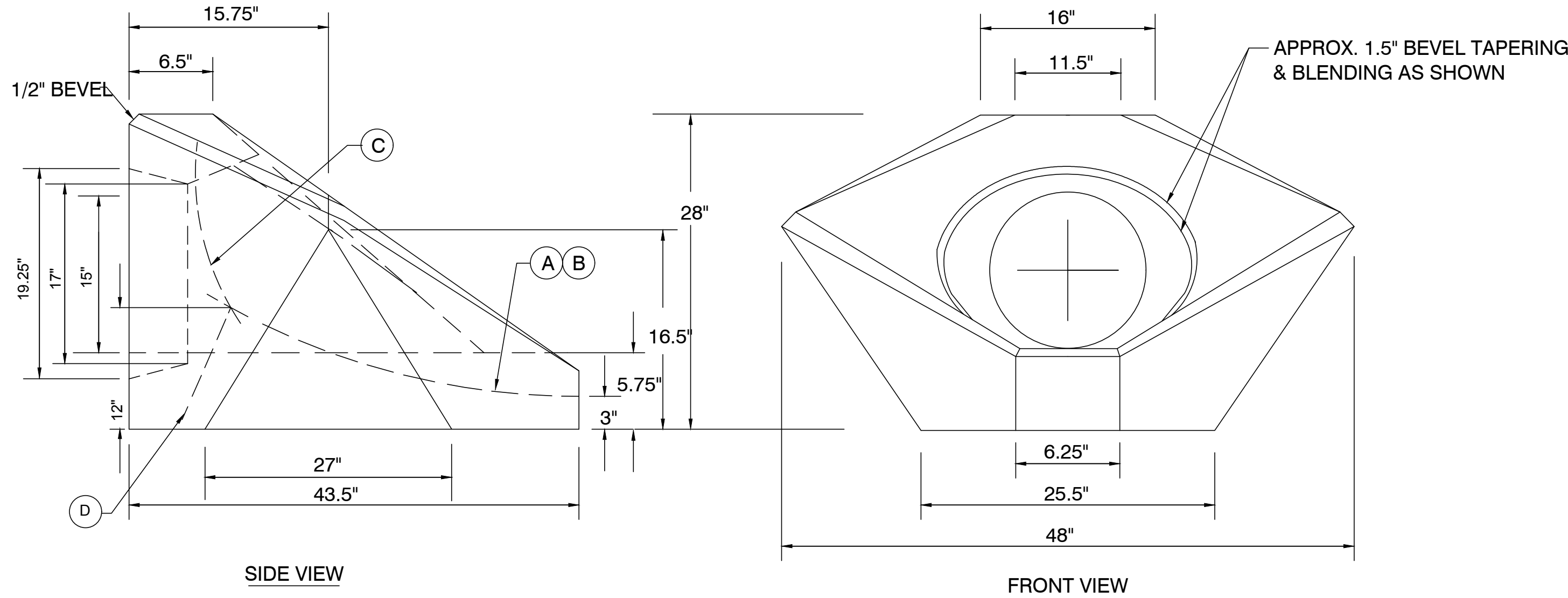
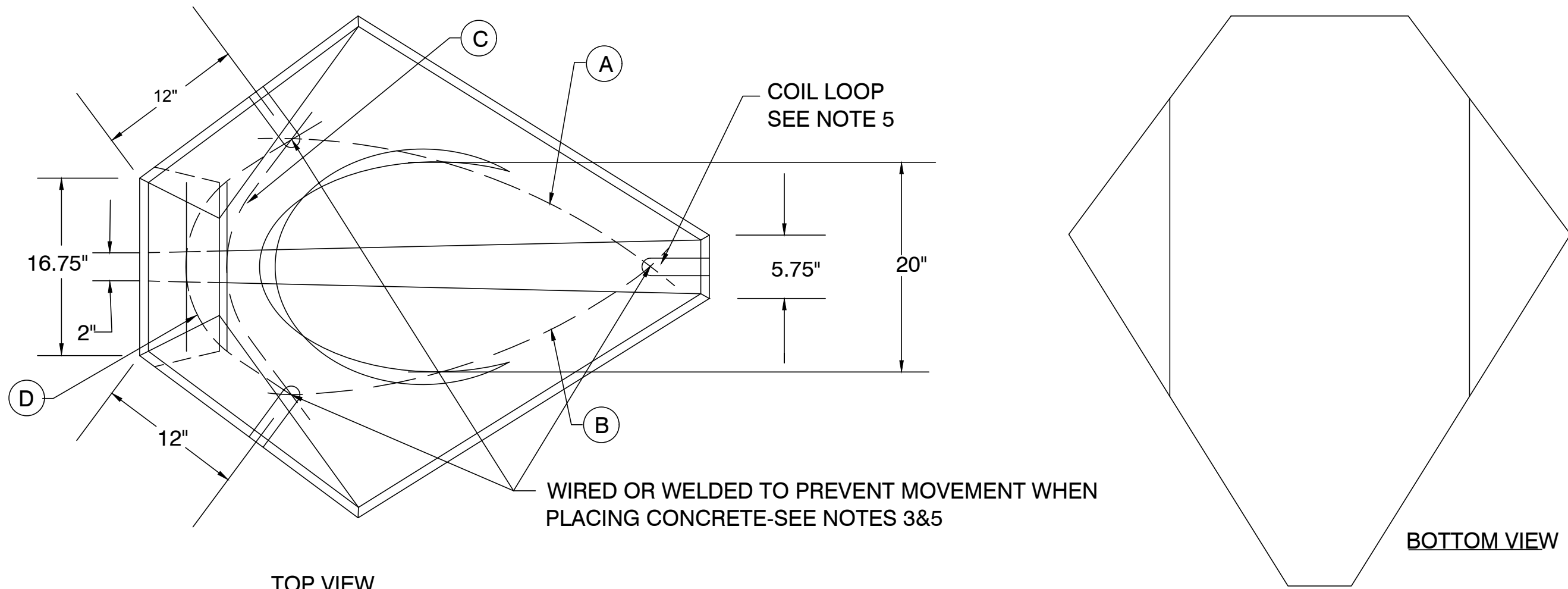
PROJECT NO.  
190449

DISCIPLINE  
CIVIL

SHEET NAME  
NOTE2

SHEET  
3

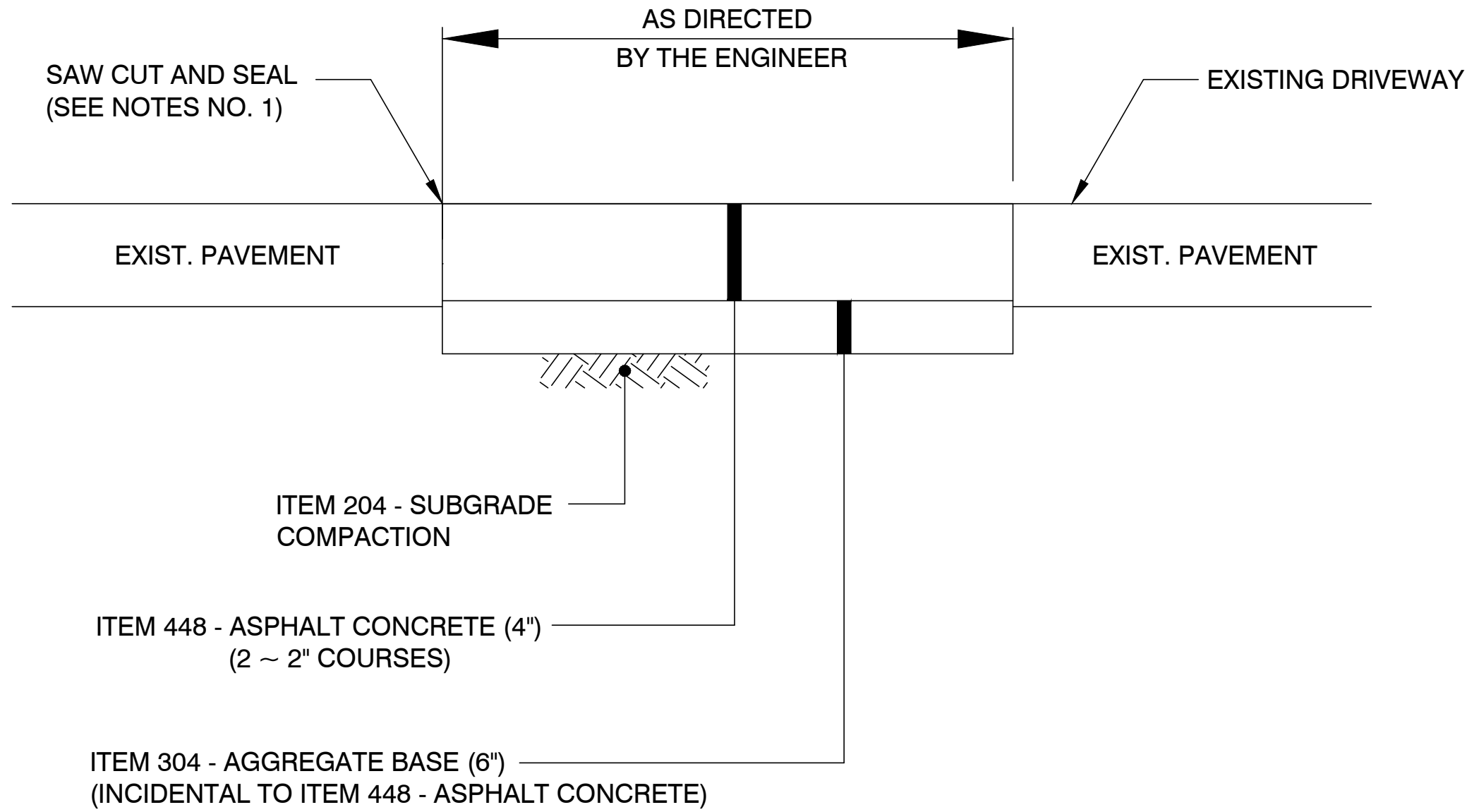
OF  
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- 1 BOTTOM APRON SHALL BE SLOPED IN DIRECTION OF FLOW EQUAL TO SLOPE OF PIPE.
- 2 DIMESIONS AND QUANTITIES ARE BASED ON STEEL PIPE AND WILL VARY SLIGHTLY FOR CONCRETE PIPE.
- 3 DIMENSIONS FROM FACE OF CONCRETE TO STEEL SHALL BE 2" CLEAR DISTANCE.
- 4 HEADWALL LOCATED AT EDGE OF SHOULDER SHALL BE PARALLEL TO CENTERLINE OF ROAD.
- 5 ENCIRCLED LETTERS, ○, INDICATE STEEL BAR LOCATIONS. EITHER WIRED OR WELDED AT 3-1"X6" COIL LOOPS AS SHOWN IN TOP & SIDE VIEWS. SEE NOTE 3.
- 6 USE CLASS QC1 CONCRETE (OH) - APPROX. .35 CU. YD.
- 7 REINF. STEEL APPROX. 13' OR 4.9 LBS. MINIMUM GRADE 40.
- 8 APPROX. COMPLETE WEIGHT 1365 LBS.

## LOW PROFILE HEADWALL

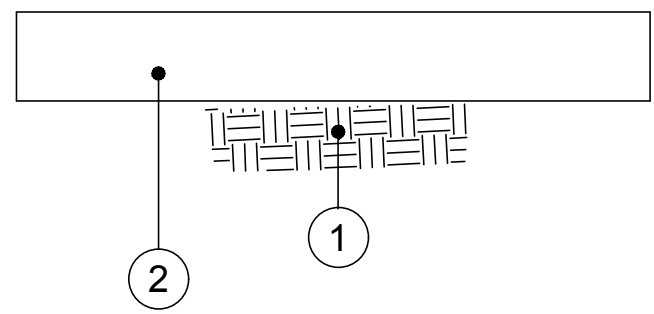
NTS



- NOTES:
- 1) ASPHALT DRIVEWAYS - SEAL JOINT WITH ASPHALT CEMENT.
  - 2) THIS QUANTITY SHALL BE PAID FOR AS ITEM 448 - ASPHALT DRIVEWAY REMOVAL AND REPLACEMENT AS PER THE ABOVE DETAIL. ITEM 204,
  - 3) SUBGRADE COMPACTION AND ITEM 304, AGGREGATE BASE SHALL BE INCIDENTAL TO ITEM 448.

## ITEM 202/441- ASPHALT DRIVE REMOVAL AND REPLCEMENT

NTS



## ITEM 202/608 - 6" CONCRETE SIDEWALK REMOVED AND REPLACED

NTS

- 1 ITEM 204 - COMPACTED SUBGRADE
- 2 ITEM 608 - 6" CONCRETE SIDEWALK

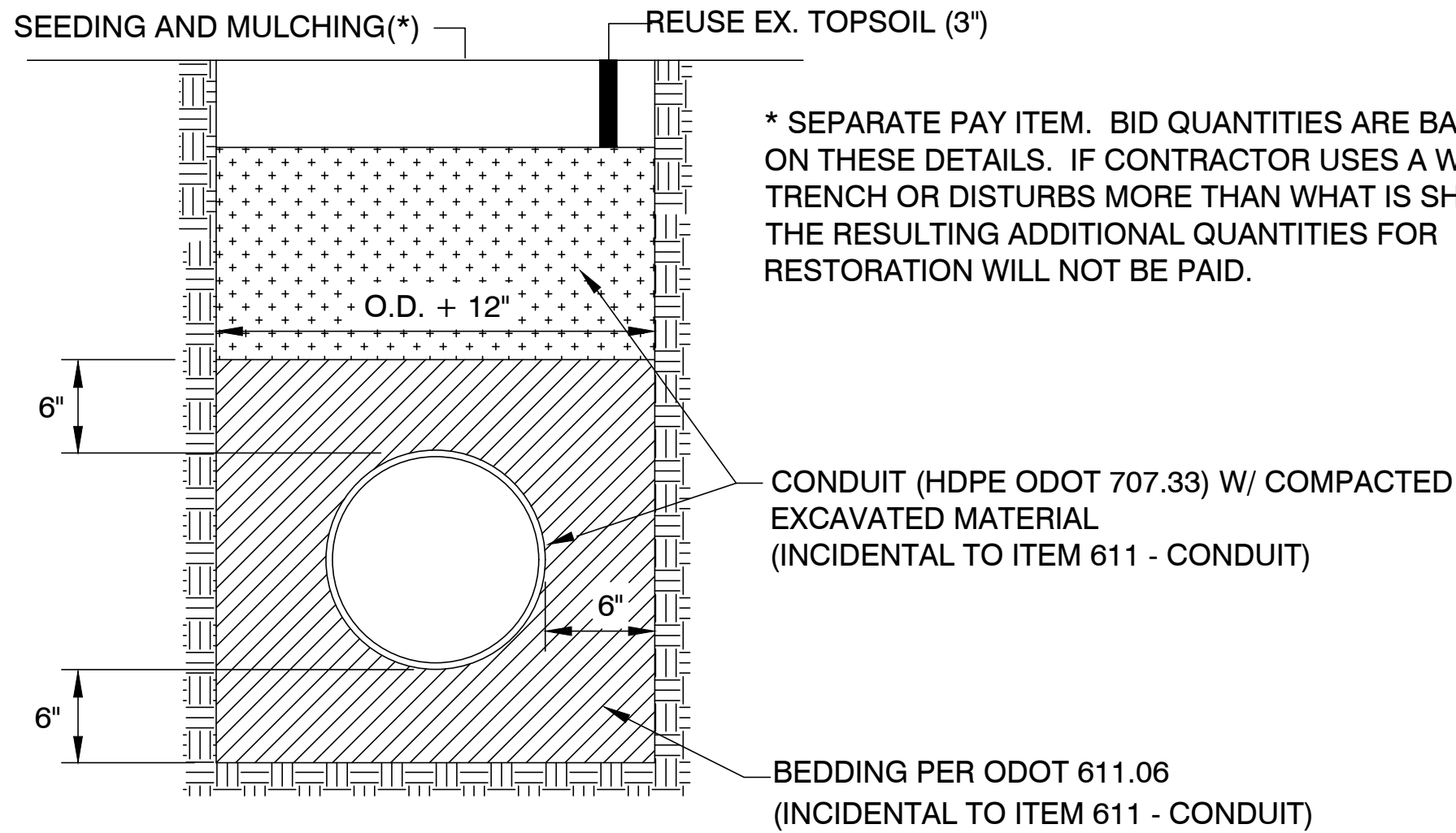


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DETAILS

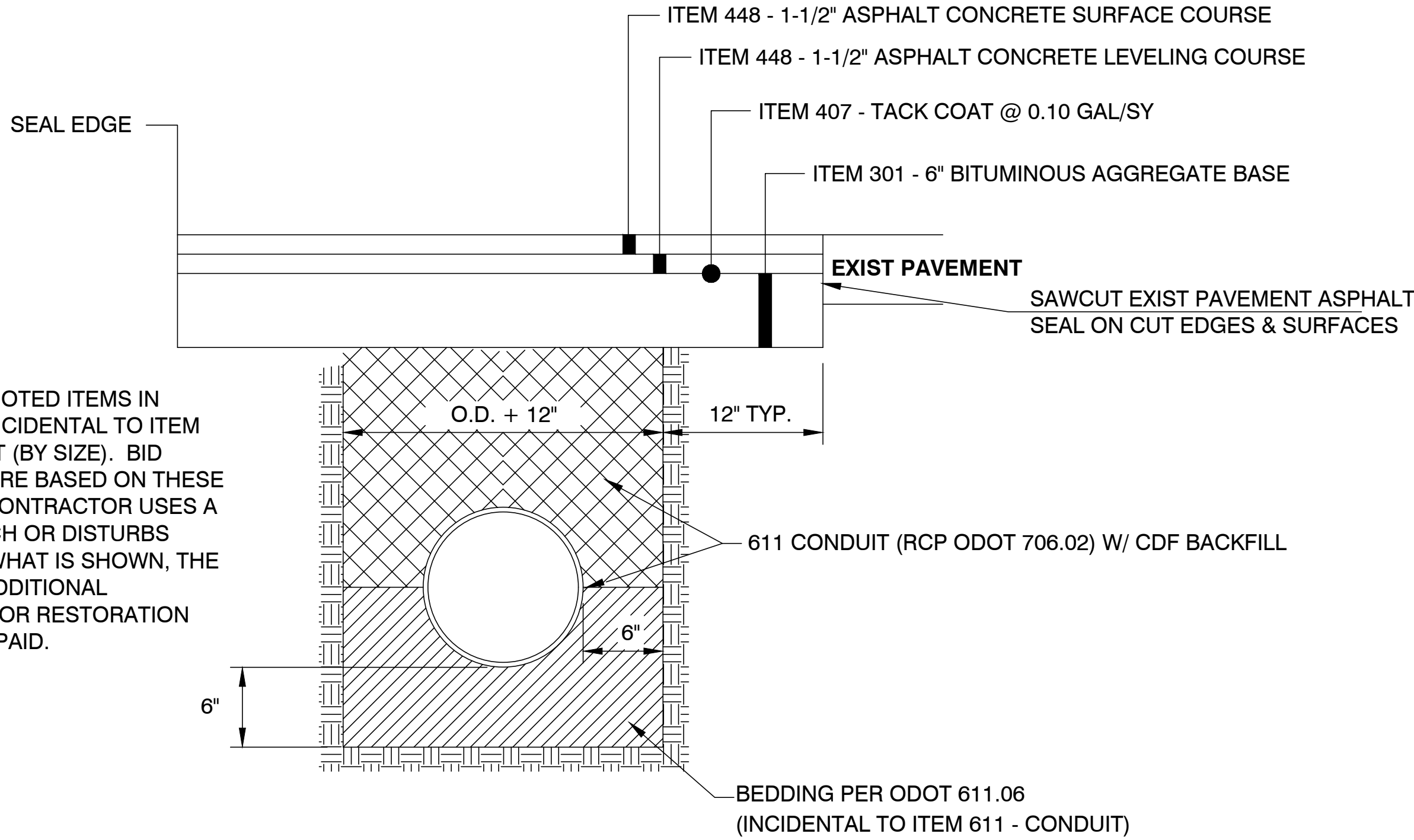
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DISCIPLINE <b>CIVIL</b>	
SHEET NAME <b>DETAIL2</b>	
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**TRENCH RESTORATION  
(OUTSIDE OF PAVEMENT)**  
*NTS*

NOTE - COST OF TRENCH RESTORATION SHALL BE  
INCIDENTAL TO THE COST OF ITEM 611.

\*NOTE - ALL NOTED ITEMS IN  
DETAIL ARE INCIDENTAL TO ITEM  
611 - CONDUIT (BY SIZE). BID  
QUANTITIES ARE BASED ON THESE  
DETAILS. IF CONTRACTOR USES A  
WIDER TRENCH OR DISTURBS  
MORE THAN WHAT IS SHOWN, THE  
RESULTING ADDITIONAL  
QUANTITIES FOR RESTORATION  
WILL NOT BE PAID.



**TRENCH RESTORATION  
(STREET PAVEMENT)**  
*NTS*

NOTE - COST OF TRENCH RESTORATION, EXCEPT FOR FULL DEPTH  
ASPHALT REPLACEMENT, SHALL BE INCIDENTAL TO THE COST OF ITEM 611

AMBERLEY 2019  
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DETAILS

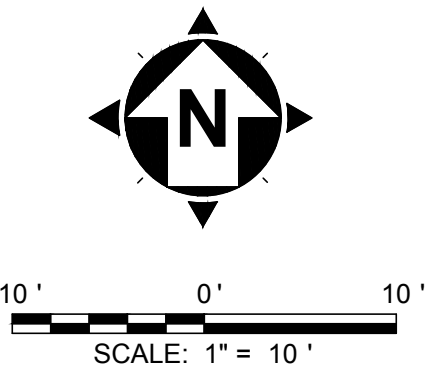
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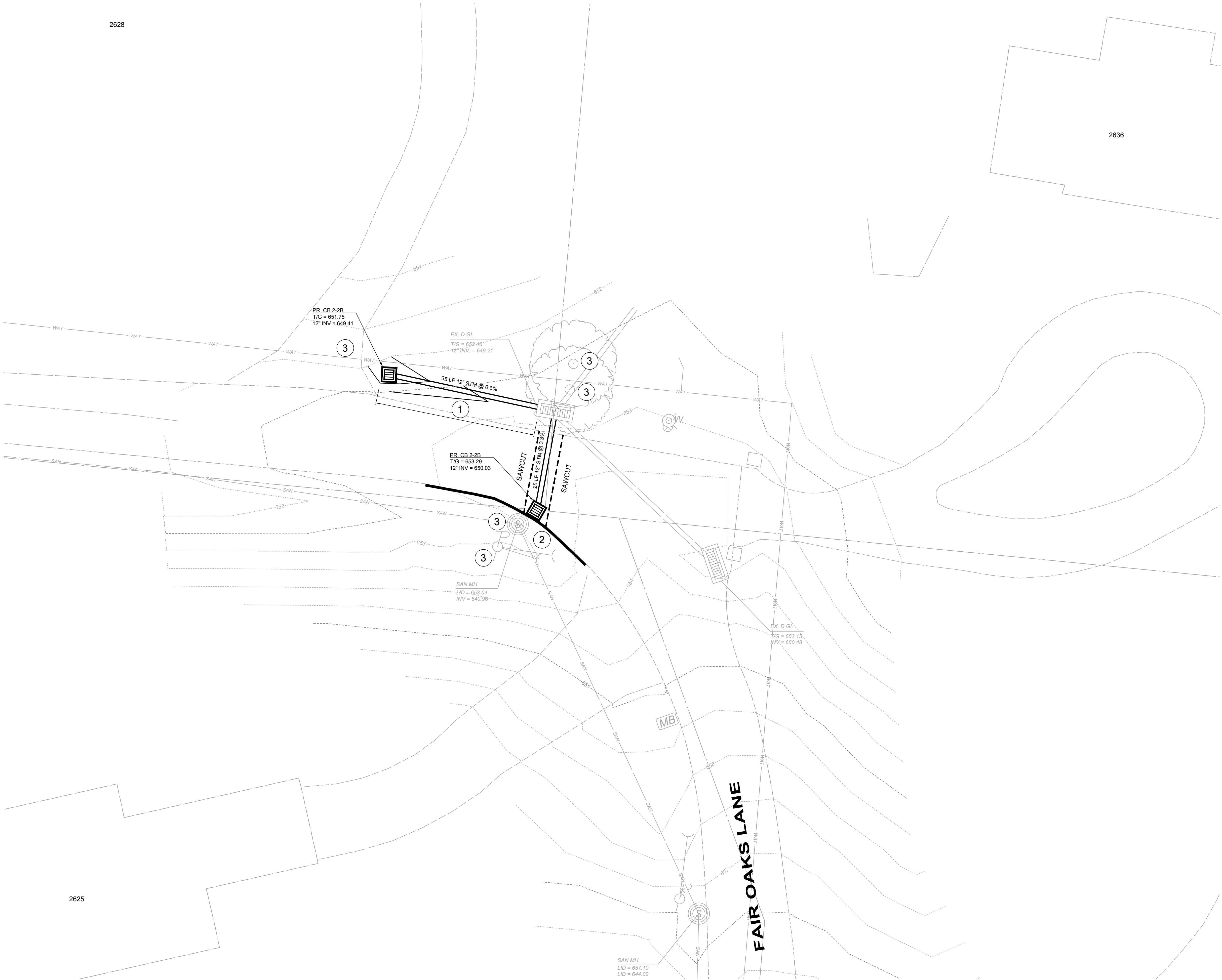
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DISCIPLINE <b>CIVIL</b>	
SHEET NAME <b>DETAIL</b>	
SHEET <b>4</b>	OF <b>7</b>





- DECORATIVE ROCK, 6" HEIGHT
- 1 REGRADE EXISTING DITCHLINE TO DRAIN TO NEW INLET
- 2 PROPOSED DECORATIVE ROCK. MATCH EXISTING TO FILL ERODED AREA. INSTALL TO HEIGHT OF 6" ALONG ROADWAY.
- 3 DO NOT DISTURB

NOTE: CONTOURS ARE IN .5' INTERVALS



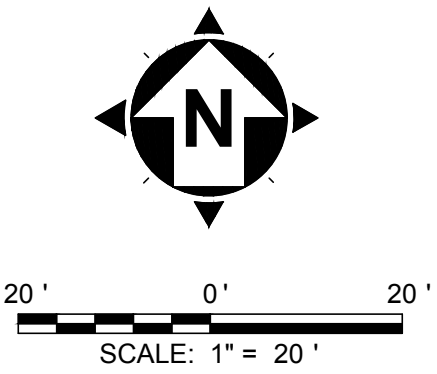
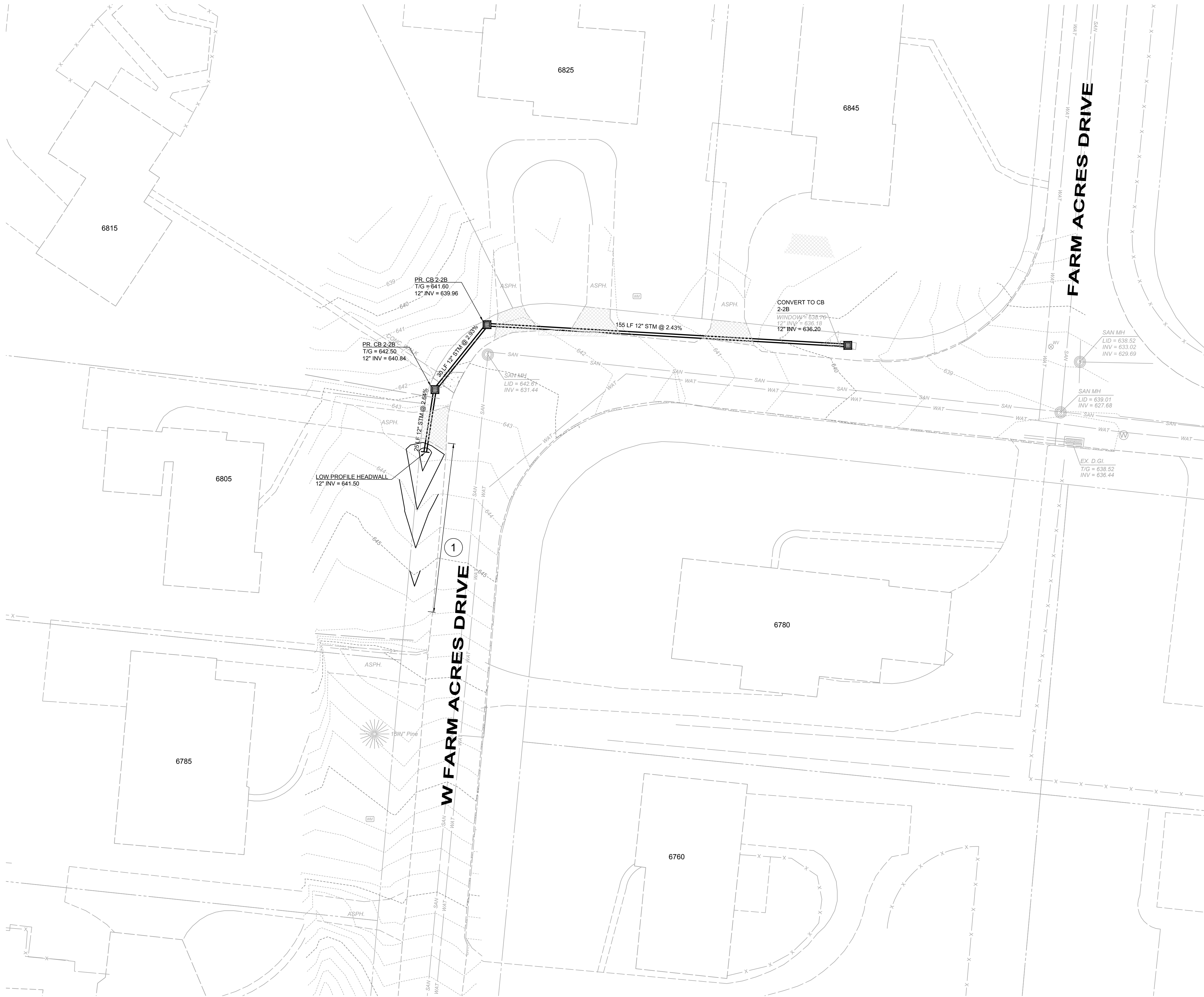
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FAIR OAKS LANE

PROJECT NO.	
190449	
DISCIPLINE	
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SHEET NAME	
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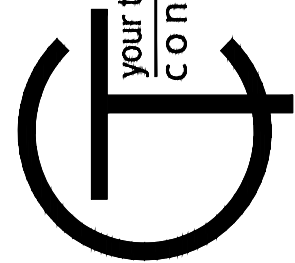
-  ASPHALT DRIVEWAY REMOVAL AND REPLACEMENT
-  PAVEMENT REMOVED AND REPLACED, ASPHALT
-  6" CONCRETE SIDEWALK REMOVED AND REPLACED
-  REGRADE EXISTING DITCHLINE TO DRAIN TO NEW INLET

AMBERLEY 2019  
STORM PROGRAM  
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W FARM ACRES DRIVE

PROJECT NO.	
190449	
DISCIPLINE	
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SHEET NAME	
PLAN2	
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