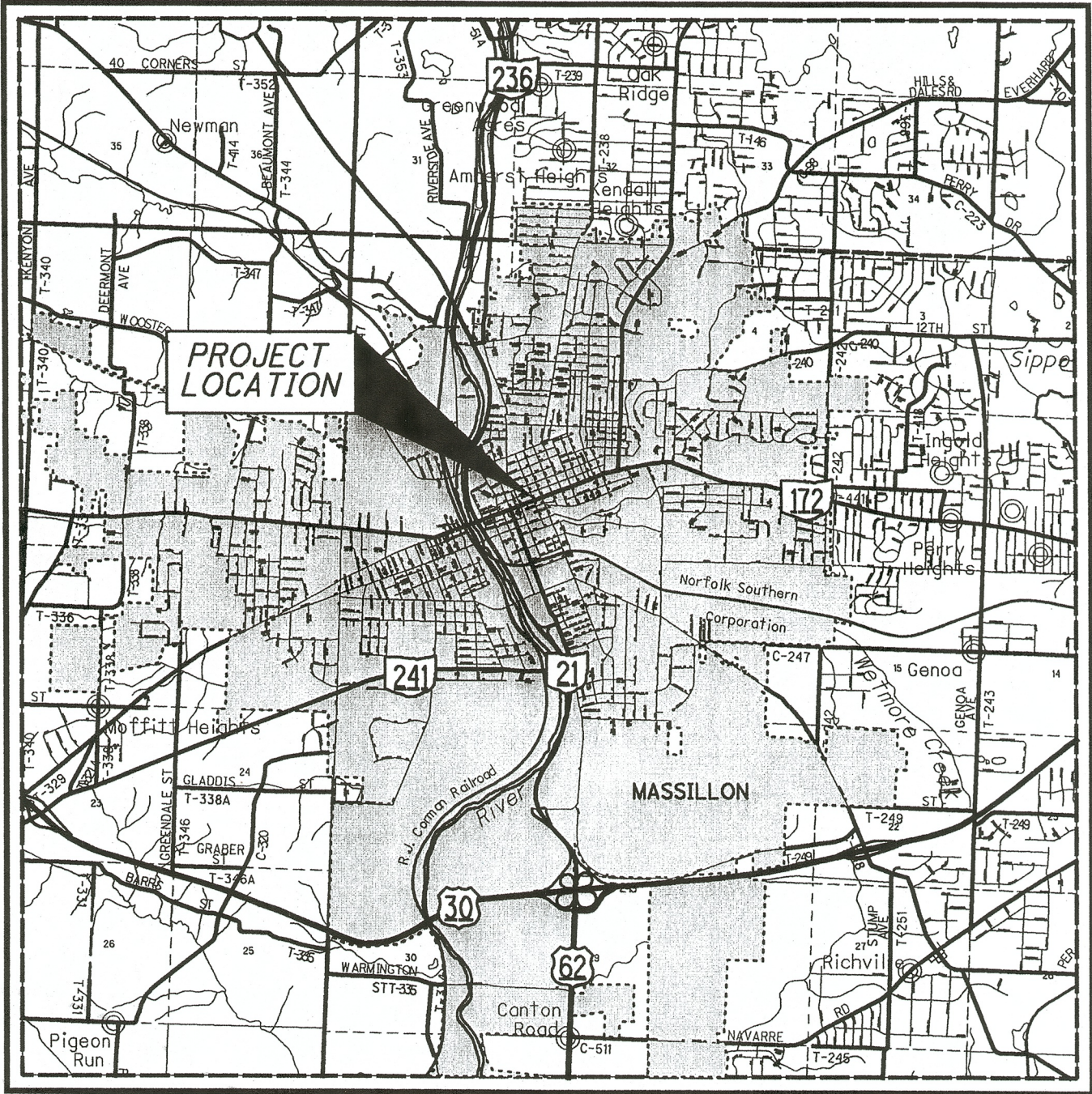


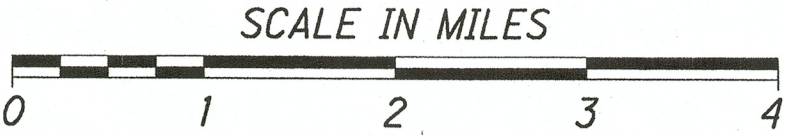
MASSILLON PUBLIC LIBRARY  
DRAINAGE IMPROVEMENTS

CITY OF MASSILLON  
STARK COUNTY



LOCATION MAP

LATITUDE: 40°47'50" LONGITUDE: 81°31'15"



INTERSTATE HIGHWAY	-----	
STATE & FEDERAL ROUTES	-----	
COUNTY & TOWNSHIP ROADS	-----	
OTHER ROADS	-----	

INDEX OF SHEETS:

TITLE SHEET	1
GENERAL NOTES	2-3
PLAN SHEET	4
PROFILE SHEET	5
DETAILS SHEET	6

2010 SPECIFICATIONS

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING CHANGES AND SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.

ENGINEER / SURVEYOR

HAMMONTREE & ASSOCIATES, LIMITED  
5233 STONEHAM ROAD  
NORTH CANTON, OHIO 44720

ATTN: DAVID E. SICKER, P.E.  
PHONE: 330-499-8817  
FAX: 330-499-0149

OWNER / DEVELOPER

MASSILLON PUBLIC LIBRARY  
208 LINCOLN WAY EAST  
MASSILLON, OH 44646

ATTN: SHERIE BROWN, DIRECTOR  
PHONE: 330-832-9831, EXT. 314

**UNDERGROUND UTILITIES**  
CONTACT BOTH SERVICES  
CALL TWO WORKING DAYS  
BEFORE YOU DIG  
CALL  
1-800-362-2764  
(TOLL FREE)  
OHIO UTILITIES PROTECTION SERVICE  
NON-MEMBERS  
MUST BE CALLED DIRECTLY  
OIL & GAS PRODUCERS PROTECTIVE  
SERVICE CALL: 1-800-925-0988

ENGINEERS SEAL:		OHIO DEPT. OF TRANSPORTATION STANDARD CONSTRUCTION DRAWINGS		CITY OF MASSILLON STANDARD CONSTRUCTION DRAWINGS	
	SIGNED: DATE: 8 JULY 2014	CB-1.1	1/18/13	MASS7030	
		DM-1.3	1/18/13		

APPROVED:   
DATE: 7/9/14 MASSILLON CITY ENGINEER

APPROVED:   
DATE: 7/8/2014 MASSILLON PUBLIC LIBRARY



NOTIFICATION OF MASSILLON PUBLIC LIBRARY

THE CONTRACTOR SHALL NOTIFY THE LIBRARY DIRECTOR OF THE MASSILLON PUBLIC LIBRARY AT LEAST 48 HOURS IN ADVANCE OF ANY CONSTRUCTION ACTIVITIES FOR THIS PROJECT AND PRIOR TO ANY WORK REQUIRING CLOSURE OF THE LIBRARY PARKING LOT.

SCOTT HIPLE  
MASSILLON PUBLIC LIBRARY  
208 LINCOLN WAY EAST  
MASSILLON, OH 44646  
PHONE: 330-832-9831 x323  
EMAIL: hiplesc@massillonlibrary.org

NOTIFICATION OF SAFETY FORCES AND BUS GARAGES

THE CONTRACTOR SHALL NOTIFY ALL APPLICABLE AGENCIES LISTED BELOW AT LEAST 48 HOURS IN ADVANCE OF ANY STREET CLOSING OR TRAFFIC CHANGE.

MASSILLON SAFETY SERVICE 330-830-1702  
MASSILLON POLICE DEPARTMENT 330-830-1735  
SARTA 330-454-5333  
MASSILLON SCHOOL BUS GARAGE 330-830-1849  
MASSILLON FIRE DEPARTMENT 330-833-1053

UTILITY OWNERSHIP

LISTED BELOW ARE ALL UTILITIES LOCATED WITHIN THE PROJECT LIMITS TOGETHER WITH THEIR RESPECTIVE OWNERS:

ELECTRIC  
OHIO EDISON COMPANY  
ATTN: KEVIN MCCLUSKY  
2600 SOUTH ERIE STREET  
MASSILLON, OHIO 44646  
PHONE: (330) 830-7085  
FAX: (330) 830-7054  
EMAIL: mccluskyke@firstenergycorp.com  
CABLE TV  
MASSILLON CABLE TV, INC.  
ATTN: JEFFREY L. CAMPBELL  
P.O. BOX 1000  
MASSILLON, OHIO 44648-1000  
PHONE: (330) 833-0202  
FAX: (330) 833-9775  
EMAIL: jlcampbell@massilloncabletv.com

GAS  
DOMINING EAST OHIO  
ATTN: MARY J. LONG  
320 SPRINGSIDE DRIVE  
SUITE 320  
AKRON, OHIO 44333  
PHONE: (330) 664-2409  
FAX: (888) 504-0126  
EMAIL: mary.j.long@dom.com  
TELEPHONE  
AT&T OHIO  
ATTN: GINO SANTILLO  
50 WEST BOWERY STREET  
6TH FLOOR  
AKRON, OHIO 44308  
PHONE: (330) 384-2245  
EMAIL: ls2671@att.com

WATER  
AQUA OHIO, INC.  
STARK REGIONAL DIVISION  
ATTN: DON SNYDER  
870 THIRD STREET NW  
MASSILLON, OHIO 44647-4206  
PHONE: (330) 833-4156  
FAX: (330) 832-5770  
EMAIL: dlsnyder@aquaaamerica.com

THE LOCATION OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE AS OBTAINED FROM THE OWNERS AS REQUIRED BY SECTION 153.64 O.R.C.

REMOVAL AND RELOCATION OF EXISTING UTILITIES

THE CONTRACTOR IS REQUIRED TO COOPERATE WITH EACH RESPECTIVE UTILITY OWNER FOR THE REMOVAL AND RELOCATION OF ANY AND ALL UTILITIES THAT CREATE A CONFLICT WITH CONSTRUCTION OF THE PROJECT.

LICENSING AND PERMITTING

THE CONTRACTOR IS REQUIRED TO BE LICENSED WITH THE CITY OF MASSILLON ENGINEERING DEPARTMENT AND THE CITY OF MASSILLON INCOME TAX DEPARTMENT. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR OBTAINING ALL APPLICABLE PERMITS.

QUANTITIES

QUANTITIES ARE INDICATED FOR COMPARISON OF BIDS ONLY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY QUANTITIES BEFORE ORDERING MATERIALS. VARIATIONS FROM THE PLAN QUANTITIES SHALL BE APPROVED BY THE ENGINEER OR OWNER BEFORE MATERIALS ORDERS ARE PLACED. MATERIALS REJECTED DUE TO INCOMPATIBILITY BETWEEN ORDERED QUANTITIES AND FIELD CONDITIONS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.

MAINTENANCE OF TRAFFIC

THE CONTRACTOR SHALL SUPPLY A MAINTENANCE OF TRAFFIC PLAN TO THE CITY ENGINEER. MAINTENANCE OF TRAFFIC PLAN MUST BE APPROVED BY THE CITY ENGINEER PRIOR TO ANY CONSTRUCTION COMMENCING. SAID APPROVED DETOUR SHALL BE FORWARDED TO THE LOCAL NEWSPAPER BY THE CONTRACTOR. MATERIALS AND LABOR SHALL BE INCLUDED IN LUMP SUM BID. ALL ABOVE SAID WORK SHALL BE PAID FOR UNDER ITEM 614-MAINTAINING TRAFFIC.

CONTRACTOR AVAILABILITY

THE CONTRACTOR SHALL SUPPLY THE ENGINEER WITH A 24 HOUR PHONE NUMBER WHERE THE CONTRACTOR SHALL BE AVAILABLE FOR EMERGENCIES.

PRESERVATION OF PRIVATE PROPERTY

THE CONTRACTOR SHALL PERFORM WORK AS TO NOT DISTURB, DAMAGE OR DESTROY ANY TELEPHONE OR POWER POLES, SIGNS, LANDSCAPING ITEMS, ETC. ANY ITEM DAMAGED OR DESTROYED SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. ANY ITEM DISTURBED OR IN CONFLICT WITH THE WORK TO BE PERFORMED SHALL BE REMOVED AND RESET AT THE CONTRACTOR'S EXPENSE. PRIOR ENGINEER APPROVAL IS REQUIRED BEFORE ANY OF THE ABOVE ITEMS ARE PERFORMED.

CONSTRUCTION SPECIFICATIONS & STANDARDS

ALL CONSTRUCTION TO BE CITY OF MASSILLON SPECIFICATIONS AND STANDARDS, THE 2010 EDITION OF THE STATE OF OHIO DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS AND FOLLOW ALL OSHA AND ADA REGULATIONS AND REQUIREMENTS, SEDIMENT EROSION STANDARDS.

CONDITIONS OF WORK

ALL WORK PERFORMED UNDER THIS CONTRACT SHALL COMPLY WITH THE U.S. DEPARTMENT OF LABOR, OCCUPATIONAL SAFETY AND HEALTH ACT, STATE, COUNTY AND CITY OF MASSILLON LAWS AND REGULATIONS. ALL WORK, AT ALL TIMES, SHALL BE SUBJECT TO OBSERVATION BY THE OWNER AND/OR ENGINEER. ALL WORK SHALL COMPLY WITH THE CONDITIONS OF THE CONTRACT DOCUMENTS AND OHIO EPA, AND STANDARDS OF THE CITY OF MASSILLON. ALL ELECTRICAL WORK SHALL COMPLY WITH THE NATIONAL ELECTRIC CODE, AND APPLICABLE CITY, COUNTY, STATE AND FEDERAL CODES.

IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN SAFE AND SATISFACTORY ACCESS TO ALL ABUTTING PROPERTIES TO THE PROJECT SITE. ADJACENT ROADS SHALL BE MAINTAINED AND KEPT CLEAN OF MUD AND OTHER DEBRIS THAT MAY BE CAUSED BY TRAFFIC EXITING THE WORK SITE. THE CONTRACTOR SHALL COORDINATE AND PROVIDE FOR ALL NECESSARY TRAFFIC CONTROL. TRAFFIC CONTROL SHALL FOLLOW THE MORE STRINGENT GUIDELINES OF THE CITY OF MASSILLON OR ODOT.

CONDITIONS OF WORK (CONTINUED)

IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE AND MAINTAIN FACILITIES FOR A CONSTRUCTION OFFICE, EMPLOYEE PARKING AND EMPLOYEE SANITARY FACILITIES. ON-STREET PARKING WILL NOT BE PERMITTED. THE CONTRACTOR SHALL PROVIDE FOR THE LAWFUL OFF-SITE DISPOSAL OF DEMOLITION DEBRIS AND CONSTRUCTION WASTE.

PRESERVATION OF PROPERTY CORNERS, SURVEY MARKERS AND MONUMENTS

THE CONTRACTOR SHALL PRESERVE ALL CORNERSTONES, IRON PINS, CONCRETE MONUMENTS AND ANY TYPE OF LAND MONUMENT. HE SHALL HAVE ALL LAND MONUMENTS IN THE PROXIMITY OF THE WORK REFERENCED. HE SHALL REPLACE DESTROYED OR DAMAGED MOUNMENTS AND SHALL FURNISH A CERTIFICATION BY AN OHIO REGISTERED SURVEYOR THAT THE MONUMENTS HAVE BEEN RESTORED.

EXISTING DATA

EACH CONTRACTOR SHALL VISIT THE SITE PERSONALLY TO ASCERTAIN THE NATURE OF THE WORK AND BECOME THOROUGHLY FAMILIARIZED WITH THE SITE PRIOR TO BID SUBMISSION.

EXISTING STRUCTURES, GRADES, PIPING, ETC. ARE INDICATED IN APPROXIMATE LOCATION ON THE PLAN. INFORMATION SHOWN IS NOT GUARANTEED TO BE CORRECT AND COMPLETE. THE DATA SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR. THE EXISTENCE OF FACILITIES ABOVE OF BELOW GROUND, WHICH MAY NOT BE SHOWN, WILL NOT BE A BASIS FOR A CLAIM FOR EXTRA WORK.

EXISTING UNDERGROUND UTILITIES SHOWN ARE RECORDS PROVIDED BY UTILITY COMPANIES AND ARE APROXIMATE ONLY. SERVICE LATERALS ARE NOT SHOWN.

IT IS THE RESPONSIBILITY OF CONTRACTOR TO NOTIFY THE CITY, PRIOR TO BID OPENING, NON-CONFORMING OR CONFLICTING INFORMATION.

REMOVAL OF TRAFFIC CONTROL DEVICES AND PRE-CAST STRUCTURES

ALL TRAFFIC CONTROL DEVICES AND PRE-CAST STRUCTURES WITH CASTINGS SHALL BE REMOVED IN A WAY NOT TO DAMAGE. AT THE TIME OF REMOVAL THE INSPECTOR WILL MARK EACH SALVAGABLE STRUCTURE. SAID ITEMS SHALL BE STORED UNTIL THEY CAN BE TRANSPORTED TO ITS RESPECTIVE OWNER BY THE CONTRACTOR. THE CONTRACTOR MUST COORDINATE SAID DELIVERIES WITH MARK LIGHTFOOT AT MASSILLON (330) 833-5746

ALL OF THE ABOVE SAID WORK SHALL BE INCLUDED IN PERTINENT 202 ITEM.

ITEM 603 - 12", SLOTTED DRAIN, TYPE 2, AS PER PLAN

THIS ITEM SHALL CONSIST OF 12 INCH DIAMETER SLOTTED DRAIN ALUMINUM COATED STEEL CONDUIT 707.01 WITH 6 INCH TRAPEZOIDAL GALVANIZED SOLID BAR GRATE AS MANUFACTURED BY CONTECH CONSTRUCTION PRODUCTS, INC. OR AS APPROVED BY THE ENGINEER. ALL COSTS FOR LABOR AND MATERIALS, INCLUDING TYPE 2 BEDDING, AND BACKFILLING AS DETAILED ON STANDARD CONSTRUCTION DRAWING DM-1.3 SHALL BE INCLUDED IN THE PRICE BID PER FOOT FOR ITEM 603-12 "SLOTTED DRAIN, TYPE 2".

CONNECTIONS TO EXISTING DRAINAGE STRUCTURES

WHERE CALLED OUT IN THE PLANS, THE CONTRACTOR SHALL CONNECT PROPOSED CONDUITS AND/OR SLOTTED DRAINS INTO EXISTING CATCH BASINS OR OTHER EXISTING DRAINAGE STRUCTURES. THE CONTRACTOR WILL BE RESPONSIBLE FOR FIELD VERIFYING THE LOCATION AND ELEVATION OF THE PROPOSED TIE-IN SO AS TO ENSURE POSITIVE DRAINAGE WITHIN THE SYSTEM. CARE SHALL BE TAKEN TO AVOID DAMAGING ANY EXISTING DRAINAGE CONDUITS AND STRUCTURES OR UTILITIES WHICH ARE TO REMAIN. THE COST OF ALL MATERIAL EQUIPMENT AND LABOR NECESSARY FOR CONNECTING TO EXISTING DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE PERTINENT 603 ITEM.

REVIEW OF DRAINAGE FACILITIES

BEFORE ANY WORK IS STARTED ON THE PROJECT AND AGAIN BEFORE FINAL ACCEPTANCE BY THE STATE, REPRESENTATIVES OF THE STATE AND THE CONTRACTOR, ALONG WITH LOCAL REPRESENTATIVES, SHALL MAKE AN INSPECTION OF ALL EXISTING SEWERS WHICH ARE TO REMAIN IN SERVICE AND WHICH MAY BE AFFECTED BY THE WORK. THE CONDITION OF THE EXISTING CONDUITS AND THEIR APPURTENANCE SHALL BE DETERMINED FROM FIELD OBSERVATIONS. RECORDS OF THE INSPECTION SHALL BE KEPT IN WRITING BY THE CONTRACTOR.

ALL NEW CONDUITS, INLETS, CATCH BASINS, AND MANHOLES CONSTRUCTED AS A PART OF THE PROJECT SHALL BE FREE OF ALL FOREIGN MATTER AND IN A CLEAN CONDITION BEFORE THE PROJECT WILL BE ACCEPTED BY THE CITY.

ALL EXISTING SEWERS INSPECTED INITIALLY BY THE ABOVE MENTIONED PARTIES SHALL BE MAINTAINED AND LEFT IN A CONDITION REASONABLY COMPARABLE TO THAT DETERMINED BY THE ORIGINAL INSPECTION. ANY CHANGE IN THE CONDITION RESULTING FROM THE CONTRACTOR'S OPERATIONS SHALL BE CORRECTED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER.

PAYMENT FOR ALL OPERATIONS DESCRIBED ABOVE SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT 603 CONDUIT ITEMS.

CROSSINGS AND CONNECTIONS TO EXISTING PIPES AND UTILITIES

WHERE PLANS PROVIDE FOR A PROPOSED CONDUIT TO BE CONNECTED TO, OR CROSS OVER OR UNDER AN EXISTING SEWER OR UNDERGROUND UTILITY, THE CONTRACTOR SHALL LOCATE THE EXISTING PIPES OR UTILITIES BOTH AS TO LINE AND GRADE BEFORE STARTING TO LAY THE PROPOSED CONDUIT.

IF IT IS DETERMINED THAT THE ELEVATION OF THE EXISTING CONDUIT, OR EXISTING APPURTENANCE TO BE CONNECTED, DIFFERS FROM THE PLAN ELEVATION OR RESULTS IN A CHANGE IN THE PLAN CONDUIT SLOPE, THE ENGINEER SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WILL BE AFFECTED BY THE VARIANCE IN THE EXISTING ELEVATIONS.

IF IT IS DETERMINED THAT THE PROPOSED CONDUIT WILL INTERSECT AN EXISTING SEWER OR UNDERGROUND UTILITY IF CONSTRUCTED AS SHOWN ON THE PLAN, THE ENGINEER SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WOULD BE AFFECTED BY THE INTERFERENCE WITH AN EXISTING FACILITY.

PAYMENT FOR ALL THE OPERATIONS DESCRIBED ABOVE SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT 603 CONDUIT ITEM.

GENERAL NOTES

2ND STREET MID-BLOCK PEDESTRIAN CROSSWALK

FOR: MASSILLON PUBLIC LIBRARY  
LOCATED IN THE CITY OF MASSILLON,  
STARK COUNTY, OHIO

DESIGN BY: DES  
DRAWN BY: SJD  
CHKD BY: DES  
RWD BY: KJO

FLD BK:  
BK PG:  
CRW CHF:  
CPYRIGHT: 2013

DATE: \_\_\_\_\_

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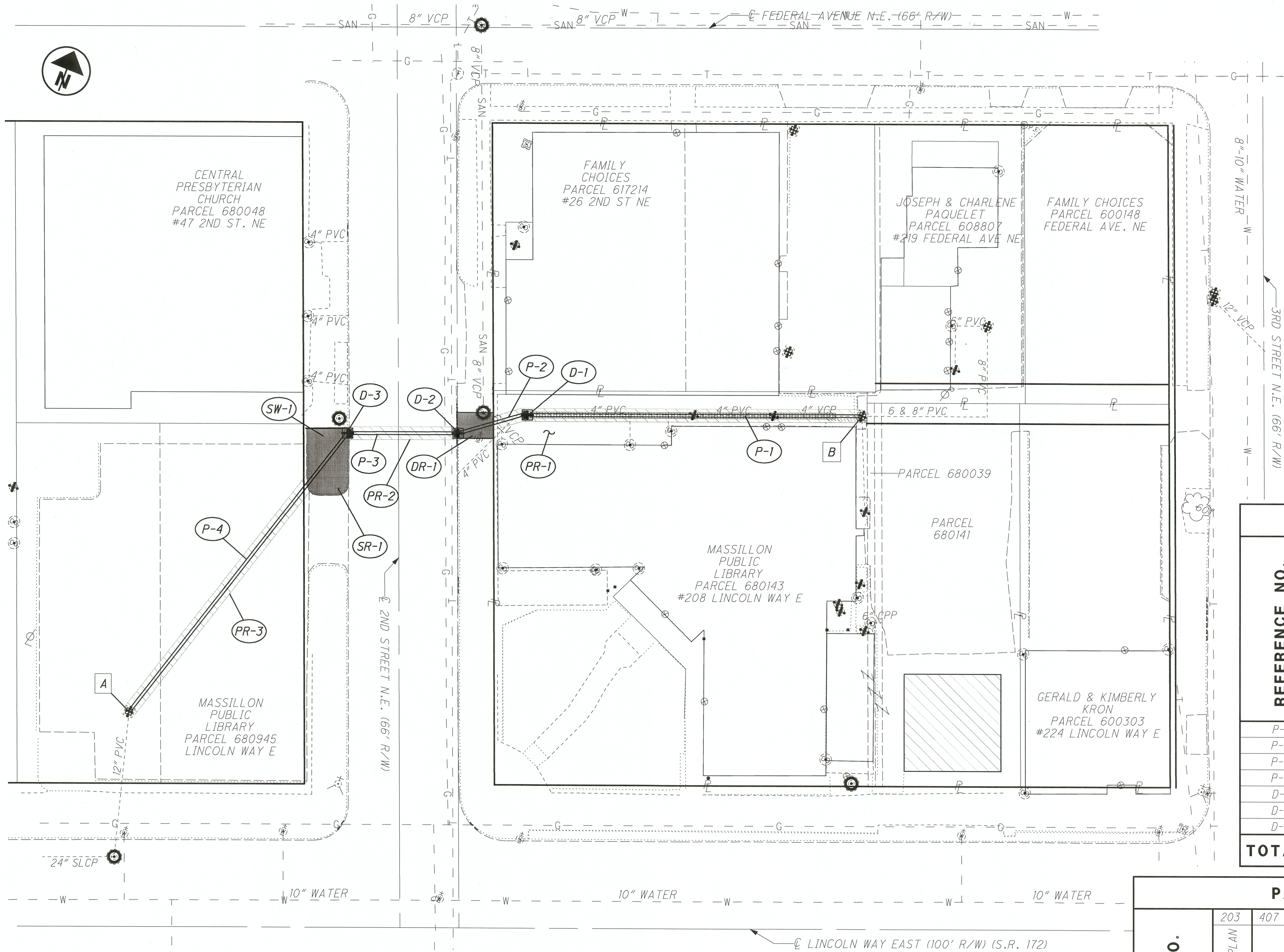
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ENGINEERS, PLANNERS, SURVEYORS  
CANTON-AKRON-PITTSBURGH

5233 STONEHAM ROAD NORTH CANTON, OHIO 44720  
CANTON: (330)499-8817 AKRON:(330)633-7274  
TOLL FREE: 1-800-394-8817 FAX: (330)499-0149  
www.hammontree-engineers.com









LEGEND:

- A - TIE NEW 12" CONDUIT INTO EXISTING CATCH BASIN.
- B - TIE 12" SLOTTED DRAIN INTO EXISTING CATCH BASIN.

NOTES:

- 1.) SEE SHEET 5 OF 6 FOR PROFILES OF EXISTING AND PROPOSED DRAINAGE CONDUITS.
- 2.) SEE SHEET 6 OF 6 FOR PAVEMENT, SIDEWALK AND DRIVEWAY APRON REPLACEMENT DETAILS.
- 3.) SHEE SHEET 3 OF 6 FOR CONCRETE PAVEMENT REPLACEMENT (PR-1) DETAILS.

MISCELLANEOUS				
ESTIMATED QUANTITIES				
REFERENCE NO.	630	614	623	624
	REMOVAL OF GROUND MOUNTED SIGN AND REERECTION	MAINTAINING TRAFFIC	CONSTRUCTION LAYOUT STAKES	MOBILIZATION
SR-1	1	LUMP	LUMP	LUMP
		LUMP		
			LUMP	
				LUMP
TOTALS	1	LUMP	LUMP	LUMP

DRAINAGE ESTIMATED QUANTITIES						
REFERENCE NO.	603	603	603	604	604	604
	12" SLOTTED DRAIN, TYPE 2, AS PER PLAN	12" CONDUIT, TYPE B	12" CONDUIT, TYPE B, 706.02, AS PER PLAN	CATCH BASIN, NO. 2-2-B	CATCH BASIN, NO. MASS7030	
P-1	119					
P-2		24				
P-3			39			
P-4		124				
D-1				1		
D-2					1	
D-3					1	
TOTALS	119	187	39	1	2	

PAVEMENT ESTIMATED QUANTITIES									
REFERENCE NO.	203	407	301	304	448	305	452	452	608
	EXCAVATION, AS PER PLAN	TACK COAT	ASPHALT CONCRETE BASE, PG 64-22	AGGREGATE BASE	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG 64-22	8" CONCRETE BASE	6" NON-REINF. CONC. PAVEMENT	9" NON-REINF. CONCRETE PAVEMENT	4" CONCRETE WALK, AS PER PLAN
PR-1	48			19			170		
PR-2		0.5		0.5	0.75	20			
PR-3		2	6		2				
DR-1								12	
SW-1									350
TOTALS	48	2.5	6	19.5	2.75	20	170	12	350

DRAINAGE PLAN

DRAINAGE IMPROVEMENTS

FOR: MASSILLON PUBLIC LIBRARY  
LOCATED IN THE CITY OF MASSILLON,  
STARK COUNTY, OHIO

4  
6

DESIGN BY: DES  
DRAWN BY: SJD  
CHECKED BY: DES  
REVIEWED BY: KJO  
DATE:

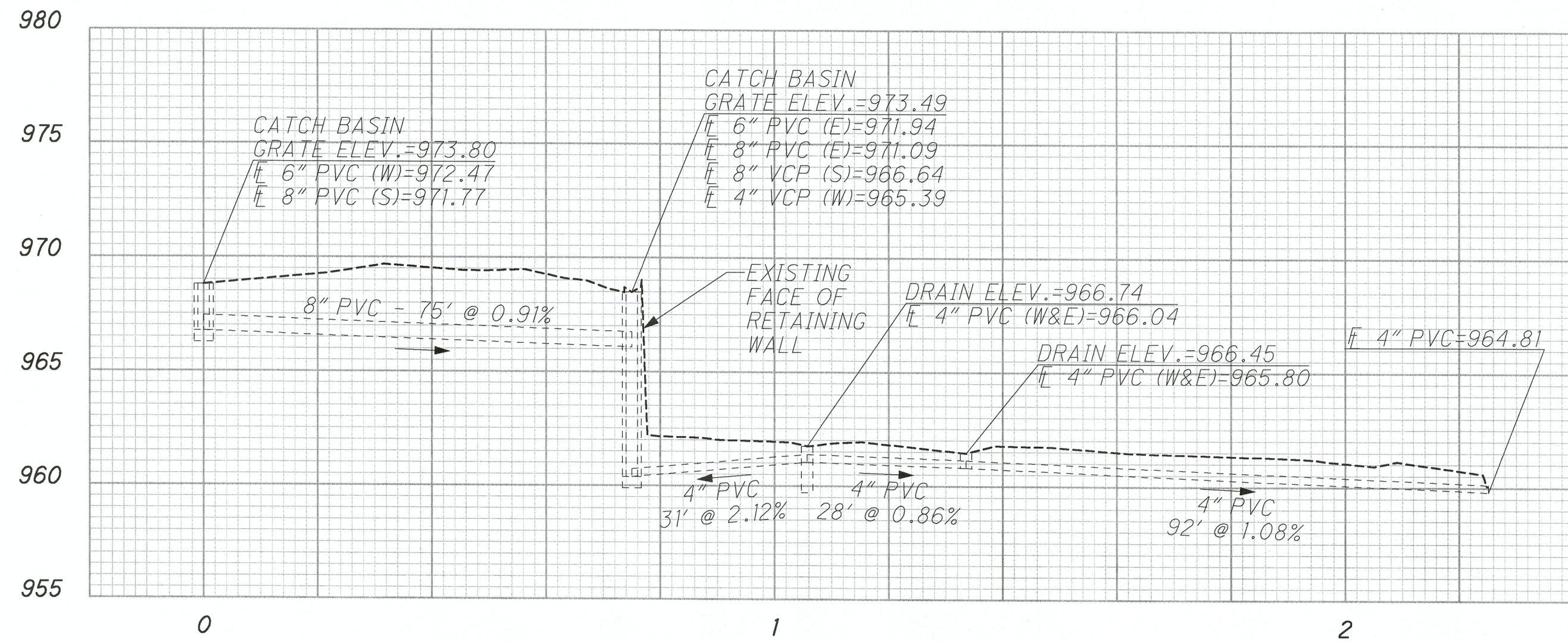
FIELD BOOK  
BK PG  
CRW CHG  
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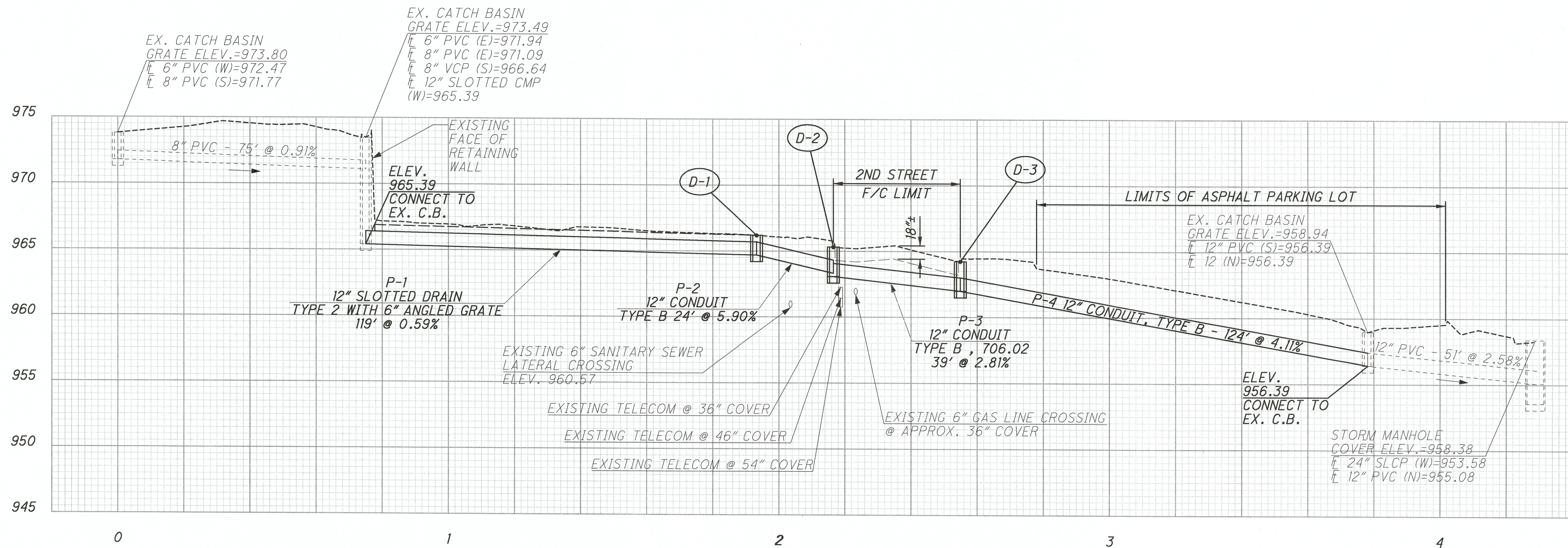
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EXISTING DRAINAGE



PROPOSED DRAINAGE

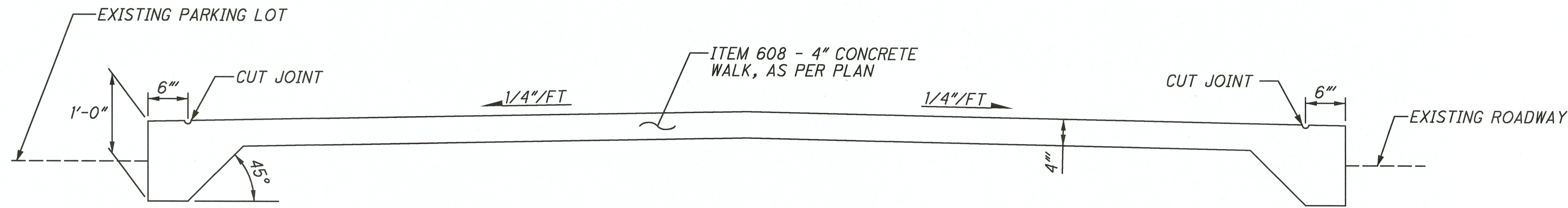
- D-1  
CATCH BASIN, TYPE 2-2B  
GRATE ELEV.=966.19  
12" (W&E)=964.69
- D-2  
CATCH BASIN, MASS7030  
GRATE ELEV.=965.32  
12" (E)=963.32  
12" (W)=962.57
- D-3  
CATCH BASIN, MASS7030  
GRATE ELEV.=964.24  
12" (SW&E)=961.49

D-1, D-2, D-3, P-1, P-2, P-3, P-4

DETAILS PLAN	DATE:	REV. BY:	DESC.:
	DATE:	REV. BY:	DESC.:
DRAINAGE IMPROVEMENTS	DATE:	REV. BY:	DESC.:
	DATE:	REV. BY:	DESC.:
FOR: MASSILLON PUBLIC LIBRARY LOCATED IN THE CITY OF MASSILLON, STARK COUNTY, OHIO	DATE:	REV. BY:	DESC.:
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5 6	DATE:	REV. BY:	DESC.:
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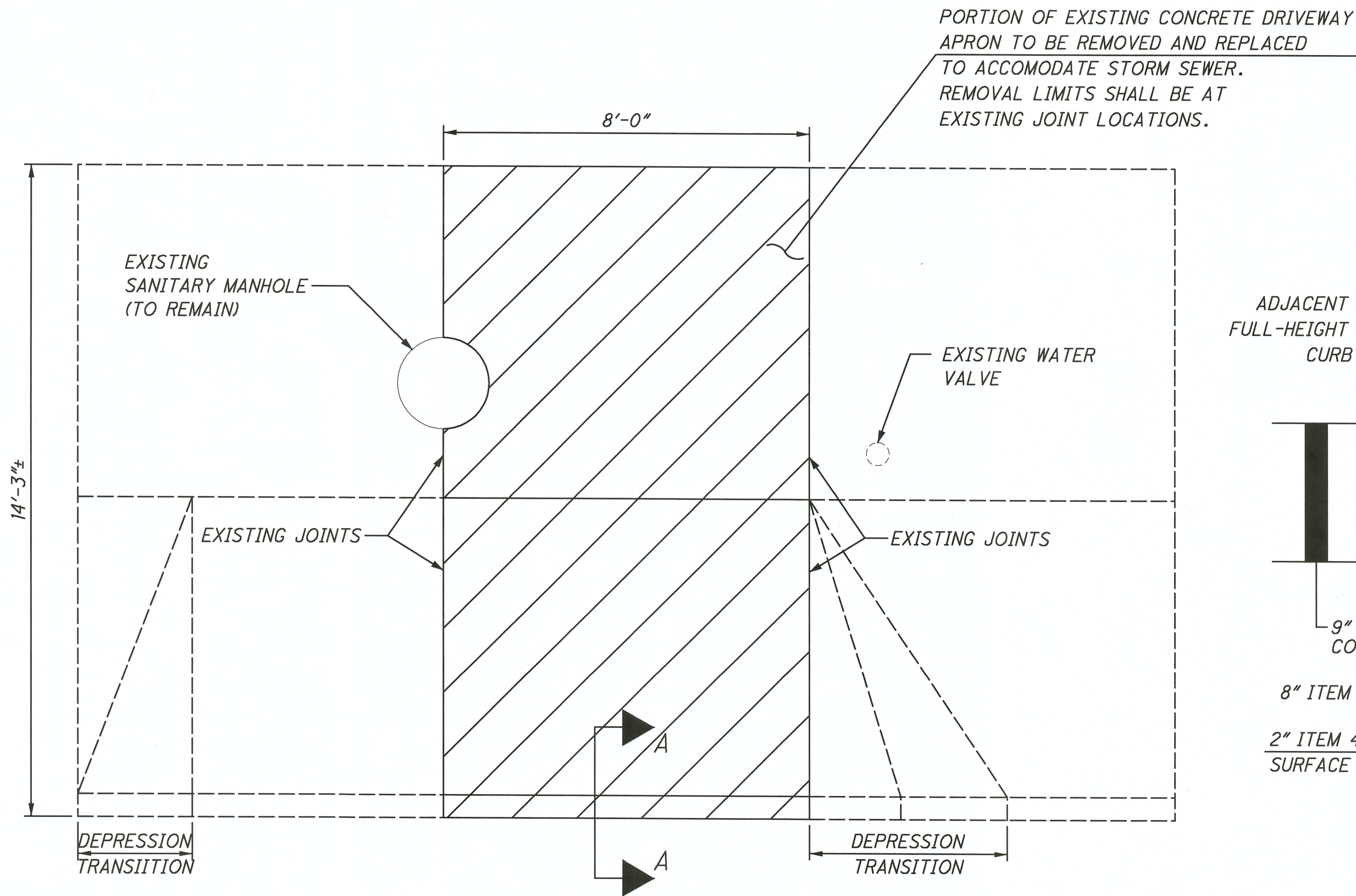
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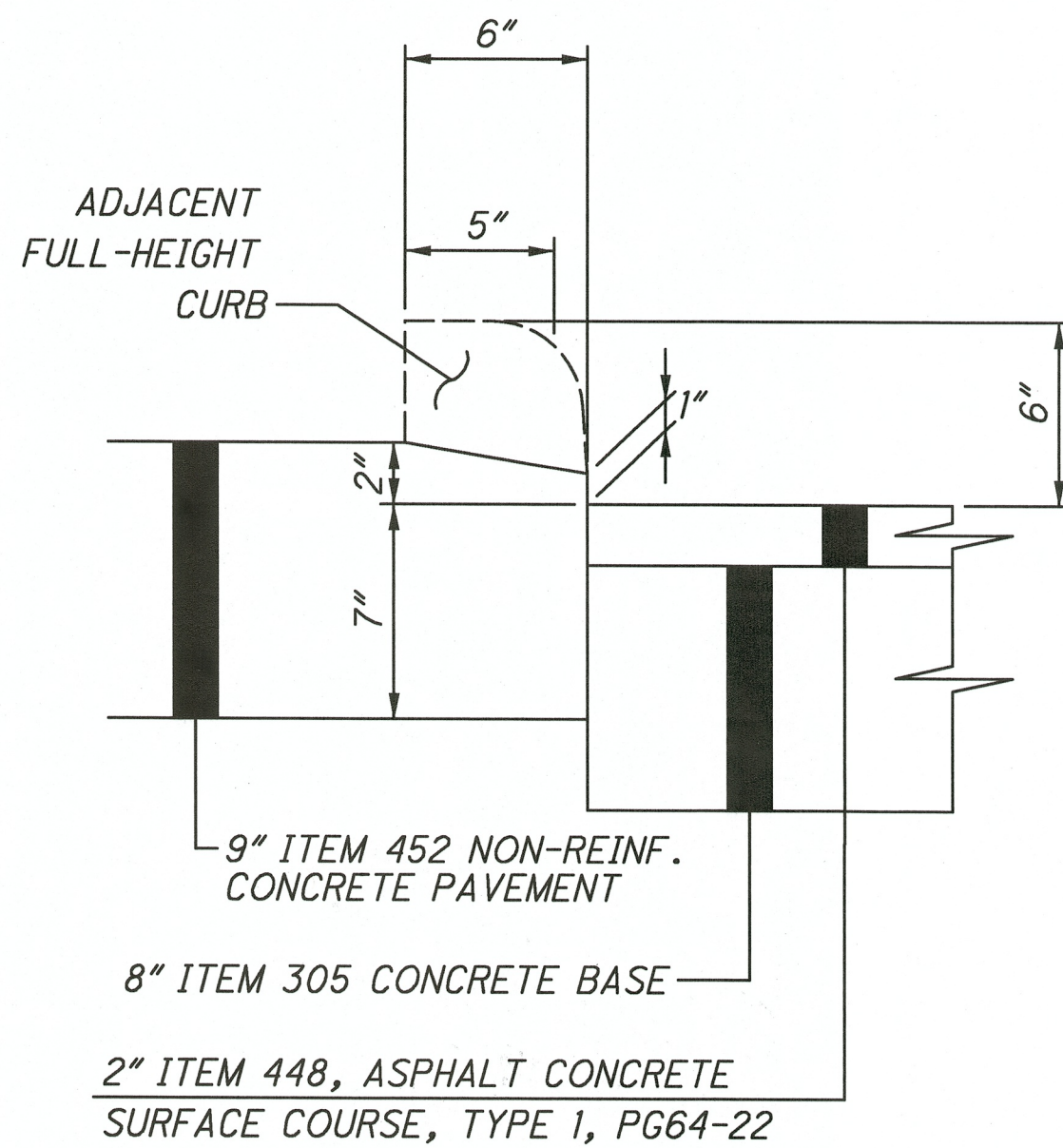


NOTE: THE COST OF THE INTEGRAL CURB SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 608 - 4" CONCRETE WALK, AS PER PLAN

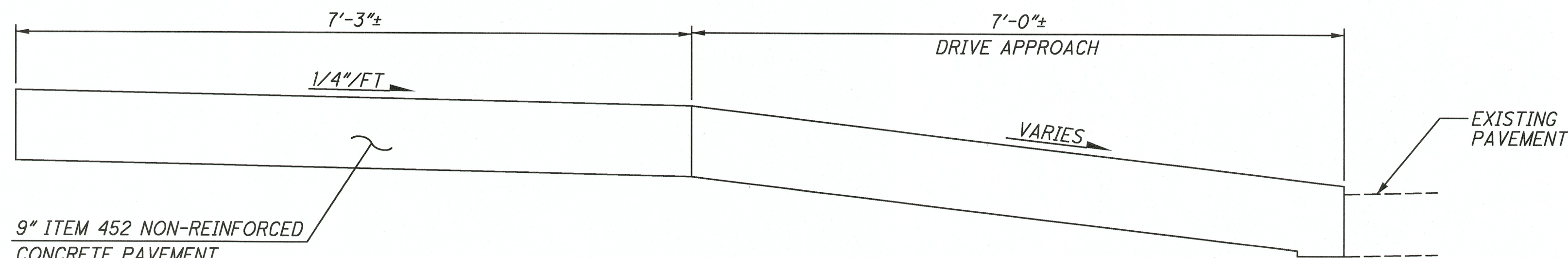
COMBINED CURB & SIDEWALK



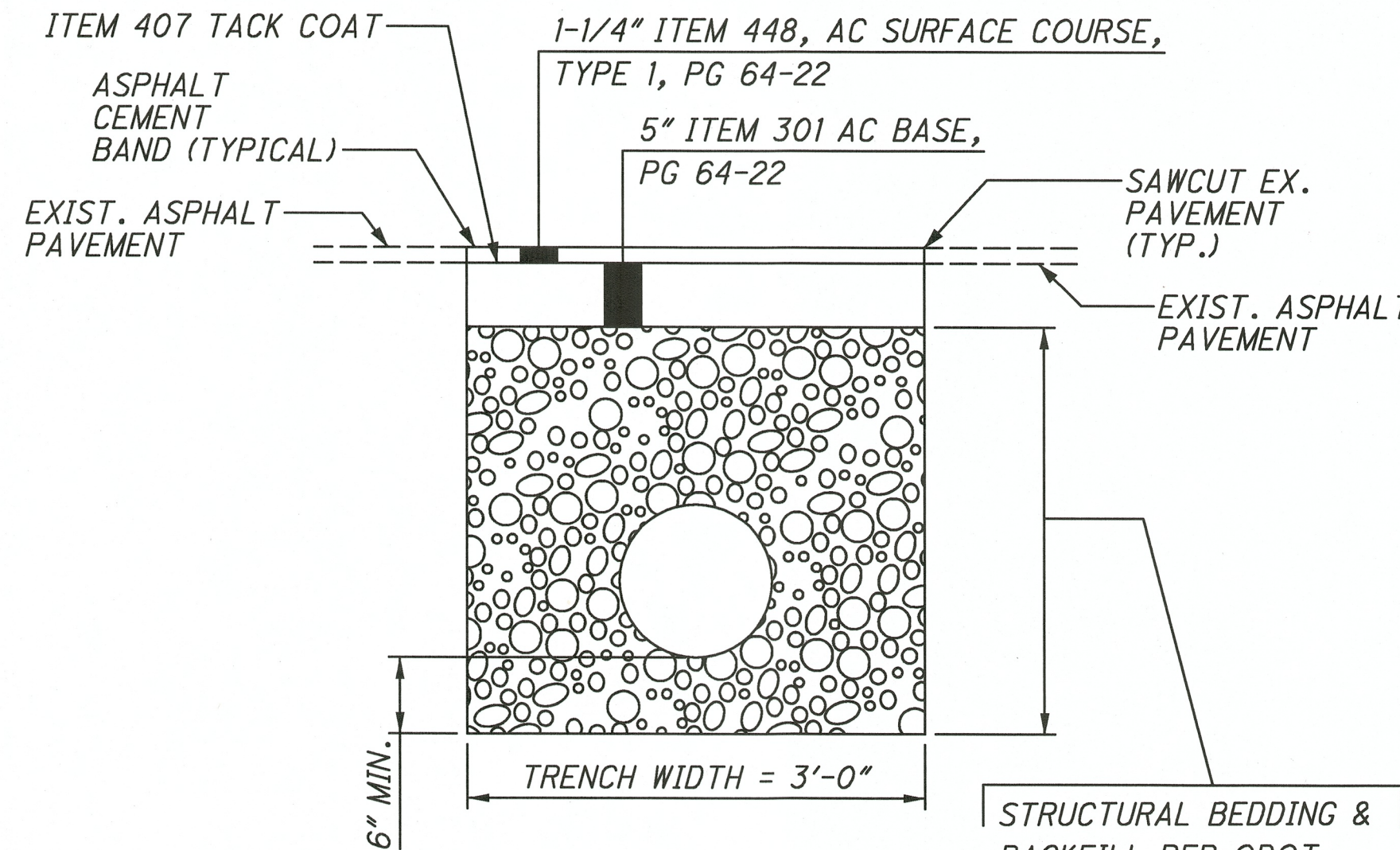
DRIVEWAY PLAN



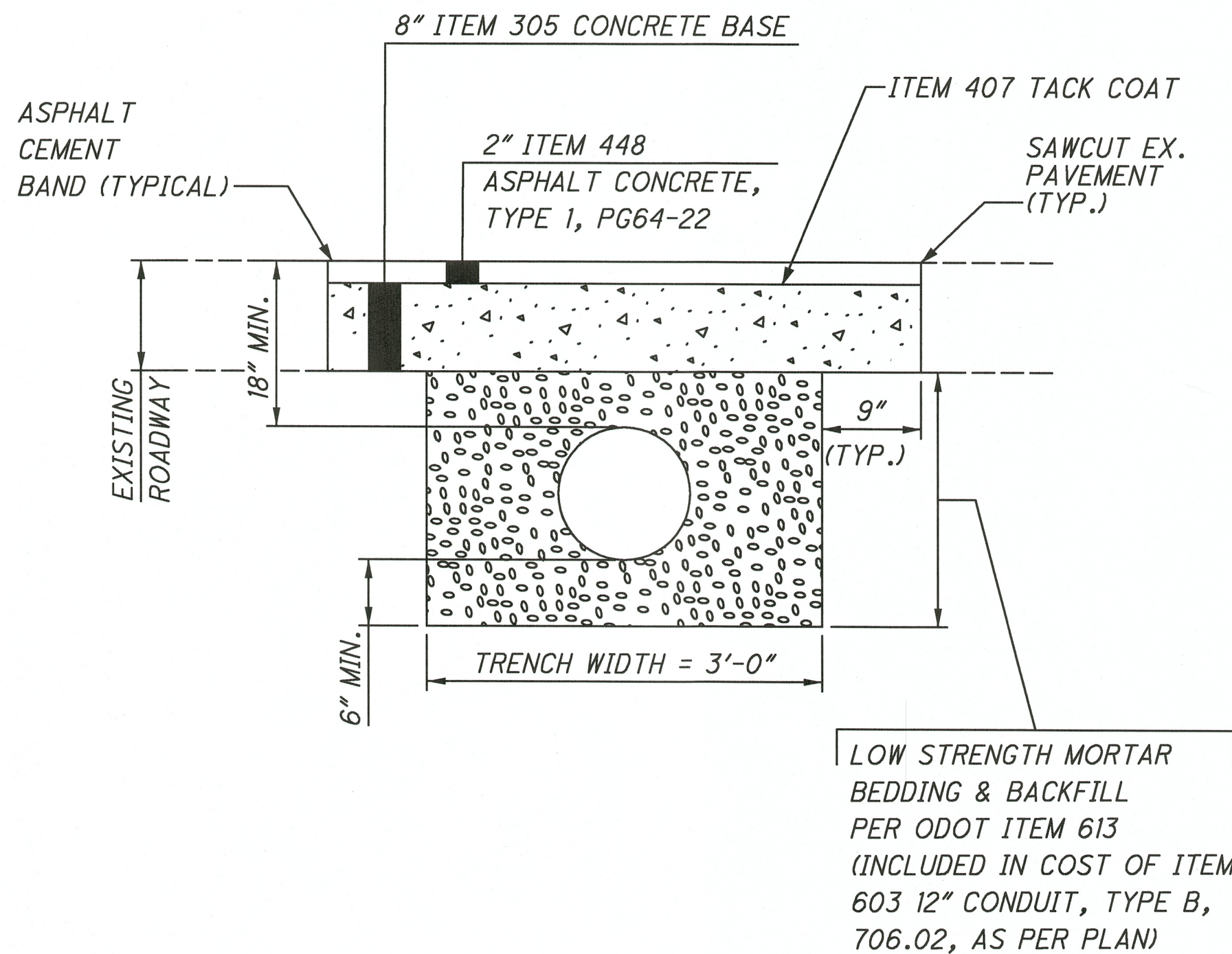
SECTION A-A



DRIVEWAY PROFILE

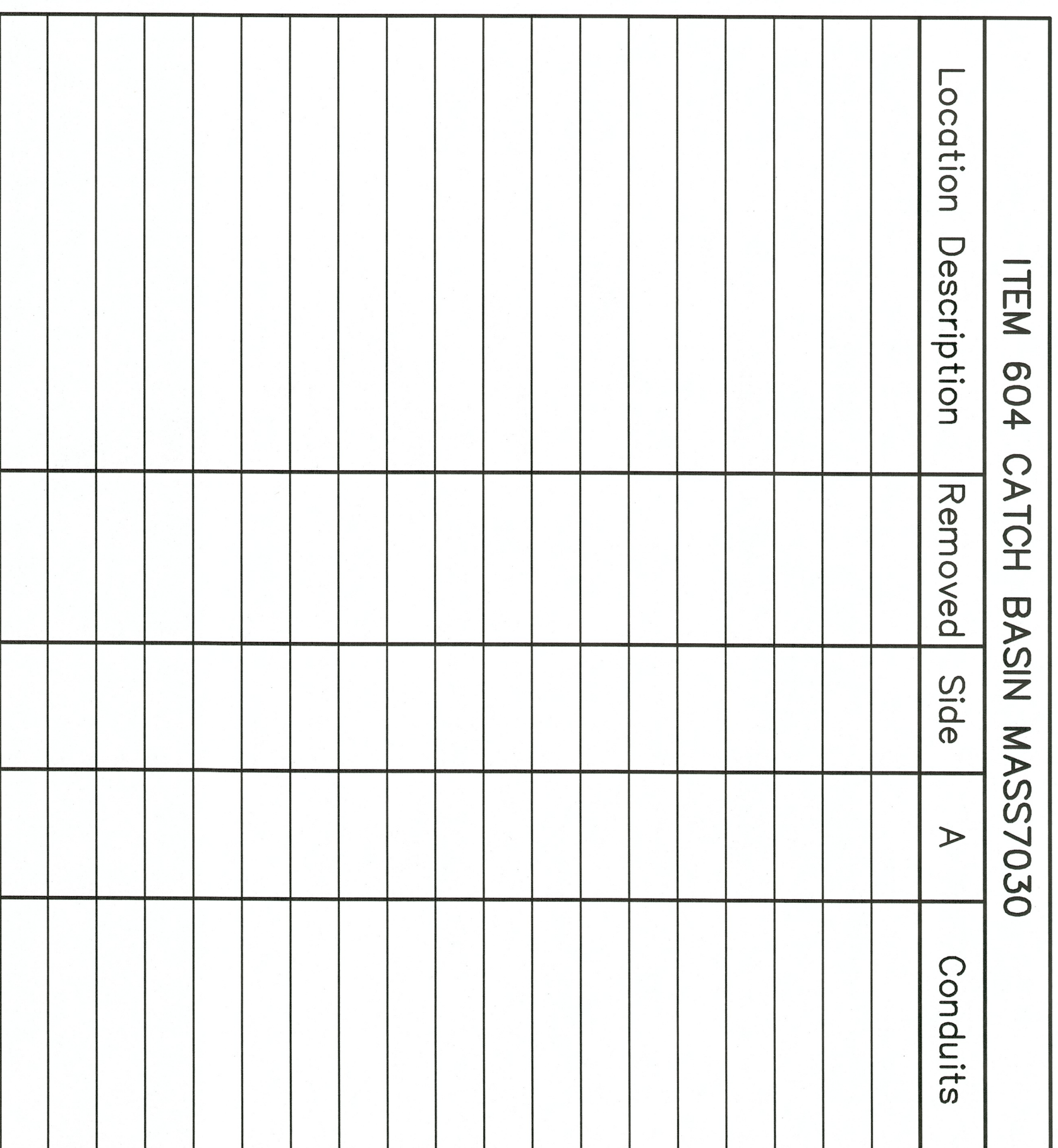


TRENCH DETAIL  
(WITHIN ALLEY AND PARKING LOT)



TRENCH DETAIL  
(WITHIN 2ND AVENUE ROADWAY)





# – CONTRACTOR'S RESPONSIBILITY TO LOCATE ALL CONDUIT LOCATIONS, SIZES, AND DEPTHS.



**NOTE:**

ALL MATERIAL AND LABOR TO PERFORM THE PROPER INSTALLATION OF TYPE ITEM 604 MASS7030 SHALL BE INCLUDED IN THE UNIT PRICE BID. THIS INCLUDES BUT NOT LIMITED TO THE REMOVAL OF EXISTING STRUCTURES, CONDUIT, ROADWAY, CURB, INSTALLATION OF 57 GRAVEL, ITEM 304 AGGREGATE BASE, JOINT SEALER CONDUIT PIPE, FERNCO, CLASS C CONCRETE, CONCRETE COLLAR, AND CURBING.