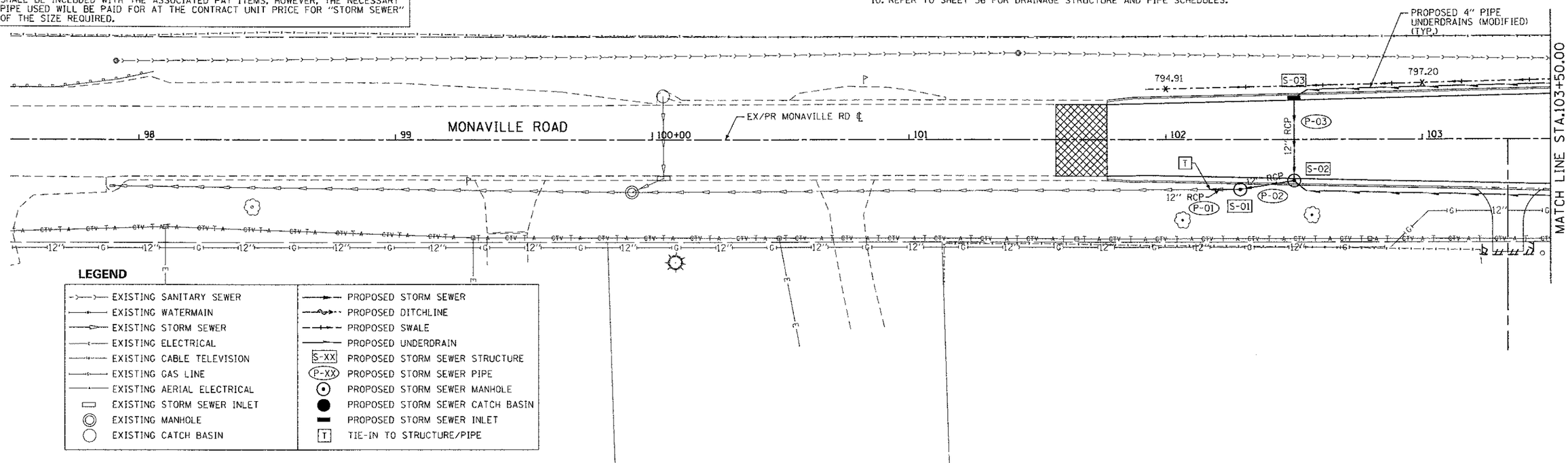
DRAINAGE GENERAL NOTES

1. DURING CONSTRUCTION OPERATIONS THE CONTRACTOR SHALL ENSURE POSITIVE SITE DRAINAGE AT THE CONCLUSION OF EACH DAY. SITE DRAINAGE MAY BE ACHIEVED BY DITCHING, PUMPING, OR ANY OTHER METHOD ACCEPTABLE TO THE ENGINEER. THE COST TO MAINTAIN POSITIVE DRAINAGE SHALL BE INCLUDED IN THE COST OF THE CONTRACT.
2. DURING CONSTRUCTION OPERATIONS, WHEN ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DITCHES, GUTTERS OR DRAINAGE STRUCTURES SO THE NATURAL FLOW OF WATER IS OBSTRUCTED, THE MATERIAL SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY.
3. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL DRAINAGE STRUCTURES SHALL BE FREE FROM DIRT AND DEBRIS. THIS WORK WILL NOT BE PAID SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE PROJECT.
4. THE COST OF CONNECTING EXISTING STORM SEWERS TO THE PROPOSED DRAINAGE SYSTEM AND CONNECTING PROPOSED STORM SEWER TO EXISTING STRUCTURES SHALL BE INCLUDED WITH THE ASSOCIATED PAY ITEMS, HOWEVER, THE NECESSARY PIPE USED WILL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR "STORM SEWER" OF THE SIZE REQUIRED.
5. ANY OF THESE MATERIALS CONSIDERED SUITABLE FOR SALVAGE BY THE ENGINEER SHALL BE STORED WITHIN THE RIGHT-OF-WAY FOR LATER REMOVAL BY THE LAKE COUNTY DIVISION OF TRANSPORTATION. UNUSABLE MATERIALS SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT-OF-WAY IN ACCORDANCE WITH SECTION 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER.
6. LOCATIONS WHERE THE PROPOSED STORM SEWER RESULTS IN LESS THAN 6 INCHES CLEARANCE OVER EXISTING UTILITIES, THE CONTRACTOR SHALL INSTALL A STYROFOAM CUSHION UNDER THE STORM SEWER, AS DIRECTED BY THE ENGINEER. NO ADDITIONAL COMPENSATION SHALL BE MADE AND THIS WORK SHALL BE INCLUDED IN THE COST OF THE STORM SEWER PIPE.
7. FOR STORM SEWER CONSTRUCTED UNDER THE ROADWAY, BACKFILLING METHODS TWO AND THREE AUTHORIZED UNDER THE PROVISIONS OF ARTICLE 550.07 OF THE STANDARD SPECIFICATIONS WILL NOT BE ALLOWED.
8. ANY FARM DRAIN, FIELD TILE SYSTEM OR OTHER TILE FACILITY ENCOUNTERED IN THE WORK SHALL BE LOCATED, STAKED AND REPORTED TO THE ENGINEER. DRAINAGE LINES WHICH ARE CUT OR DAMAGED BY GRADING, TRENCHING, EXCAVATING OR OTHER CONSTRUCTION ACTIVITIES SHALL BE REPAIRED SO AS TO MAINTAIN ITS ORIGINAL ALIGNMENT. IF THIS CANNOT BE ACCOMPLISHED, THE TILE SHALL BE REPAIRED AND CONNECTED TO THE PROPOSED STORM SEWER SYSTEM IN SUCH A MANNER AS TO RENDER THE LINES USABLE FOR THE PURPOSES INTENDED. THE WORK SHALL BE DONE IN ACCORDANCE WITH SECTION 611 OF THE STANDARD SPECIFICATIONS.
9. CONTRACTOR SHALL TIE-IN PROPOSED STRUCTURES TO EXISTING DRAINAGE PIPES IN LOCATIONS SHOWN IN DRAINAGE PLANS. ONE LENGTH OF PROPOSED PIPE SHALL BE USED TO CONNECT TO THE CLOSEST JOINT OF EXISTING STORM SEWER PIPE. PROPOSED PIPE LOCATION AND APPROXIMATE LENGTH OF PIPE HAVE BEEN INCLUDED IN THE PROJECT QUANTITIES. CONTRACTOR SHALL ONLY BE PAID FOR ACTUAL LENGTH OF PIPE INSTALLED.
10. REFER TO SHEET 36 FOR DRAINAGE STRUCTURE AND PIPE SCHEDULES.

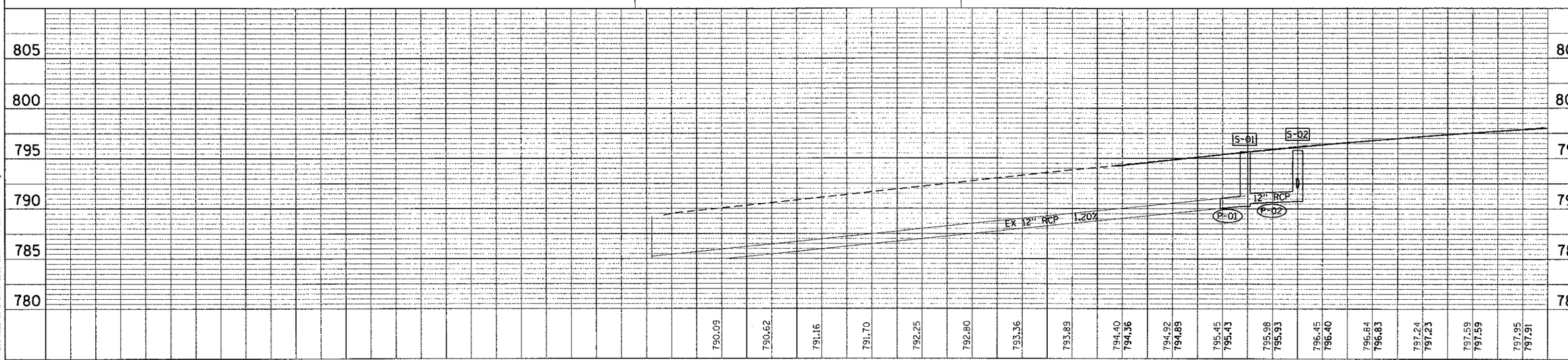
N

20' 0 20' 40'
SCALE: 1" = 20'



LEGEND

EXISTING SANITARY SEWER	PROPOSED STORM SEWER
EXISTING WATERMAIN	PROPOSED DITCHLINE
EXISTING STORM SEWER	PROPOSED SWALE
EXISTING ELECTRICAL	PROPOSED UNDERDRAIN
EXISTING CABLE TELEVISION	S-XX PROPOSED STORM SEWER STRUCTURE
EXISTING GAS LINE	P-XX PROPOSED STORM SEWER PIPE
EXISTING AERIAL ELECTRICAL	PROPOSED STORM SEWER MANHOLE
EXISTING STORM SEWER INLET	PROPOSED STORM SEWER CATCH BASIN
EXISTING MANHOLE	PROPOSED STORM SEWER INLET
EXISTING CATCH BASIN	T TIE-IN TO STRUCTURE/PIPE



PLAN — SURVEYED / PLOTTED / ALIGNMENT CHECKED / R.O.W. CHECKED / CADD FILE NAME — NOTE BOOK NO. — BY — DATE

PROFILE — SURVEYED / PLOTTED / GRADES CHECKED / GRADES PLOTTED / STRUCTURE NOTATNS CHKD — NOTE BOOK NO. — BY — DATE

FILE NAME = I:\LAKECO\122481\Dgn\CADD_Sheets\drain1_monaville.dgn

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		DRAWN -	REVISED -
	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 11/12/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED DRAINAGE PLAN & PROFILE

SCALE: 20H:5V | SHEET NO. 1 OF 5 SHEETS | STA. 101+77.24 TO STA. 103+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0192	06-00153-07-CH	LAKE	120	31
		CONTRACT NO. 63682		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		