

SEE SHEETS 119, 121 FOR CATCH BASIN CROSS-OVERS  
SEE SHEET 60 FOR STORM CONNECTION QUANTITIES  
SEE SHEET 82 FOR ESTIMATED DRAINAGE QUANTITIES  
SEE SHEET 198 FOR UTILITY RELOCATION

BENCH MARK: ELEV. 193.734  
STA. 4+361.0, OFFSET 37.4 m LT.  
HYDRANT  
TOP STEM

\*\* PIPE TO BE INSTALLED TO MAINTAIN POSITIVE DRAINAGE FROM NORTH SIDE OF VINE ST. DURING PHASE I CONSTRUCTION. PIPE SHALL BE REMOVED AND THE CATCH BASIN BULKHEADED DURING PHASE II CONSTRUCTION.

LEGEND

- W --- EX. WATER LINE
- SAN --- EX. SANITARY LINE
- G --- EX. GAS LINE
- S --- EX. STORM LINE
- T --- EX. TELEPHONE LINE

(\* ) 707.41 NON-PERFORATED,  
ASTM D-3034 SDR 35,  
707.33 OR 707.42

UNDERDRAINS

REFERENCE NUMBER	STATION		SIDE	603		605		BENDS AND BRANCHES FOR INFORMATION ONLY 150 mm X 45° EACH
	FROM	TO		150 mm CONDUIT, TYPE F (*) METER	150 mm SHALLOW PIPE UNDERDRAIN WITH FABRIC WRAP METER			
	E. ELEV.	E. ELEV.						
U1	4+300	4+324	L	3	21	1		
	190.690	190.570						
U2	4+325.5	4+380	L	3	51.5	1		
	190.565	190.175						
U3	4+381.5	4+400	L		18.5			
	190.150	189.760						
U4	4+300	4+320	R	3	17.0	1		
	190.690	190.595						
U5	4+321.5	4+380	R	3	55.5	1		
	190.585	190.175						
U6	4+381.5	4+400	R		18.5			
	190.150	189.760						
TOTALS CARRIED TO SHEET 82				12	182	4		

