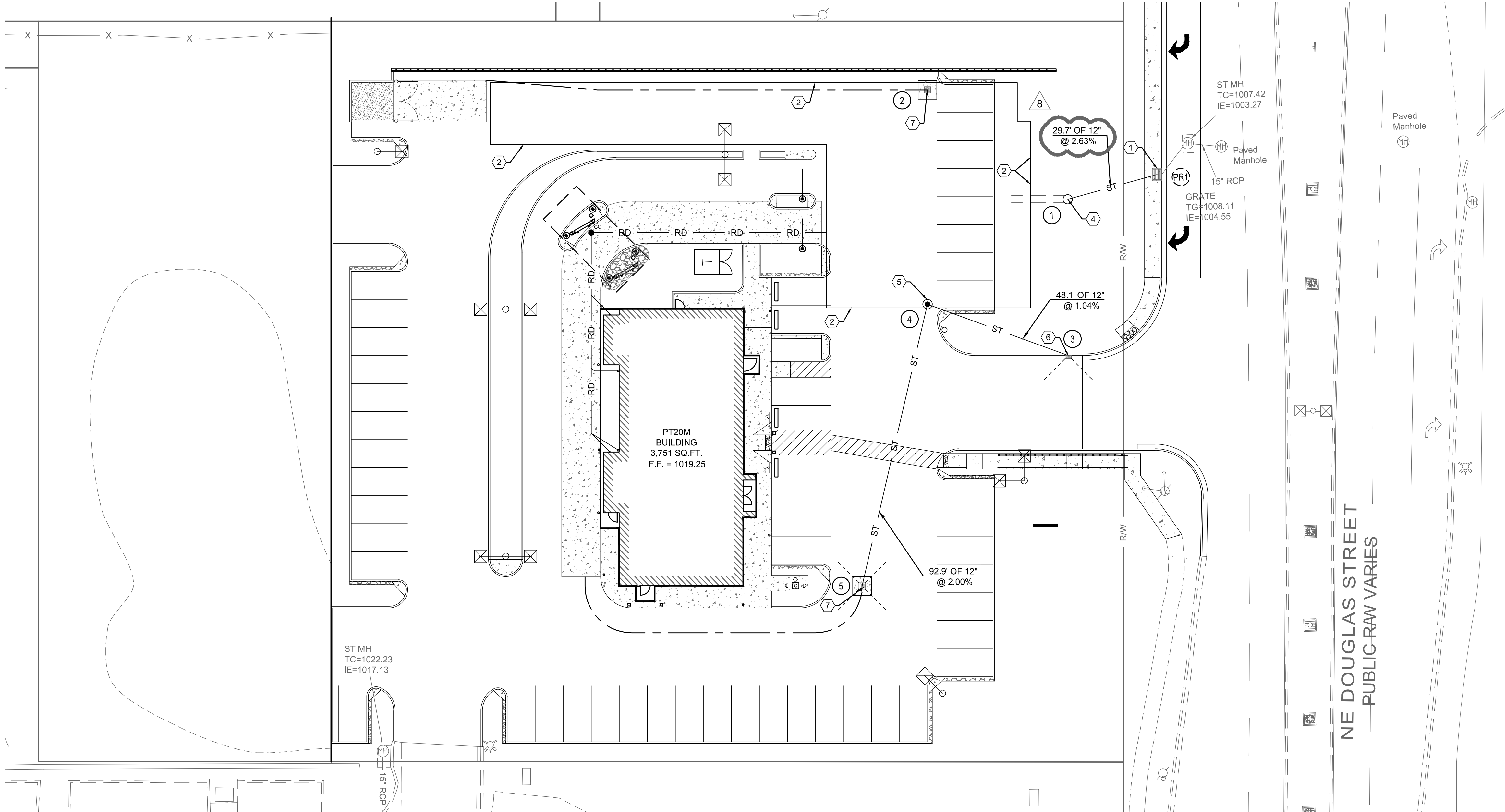


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GENERAL NOTES:

- ALL EXISTING CONDITIONS, TOPOGRAPHY, UTILITIES AND PROPERTY INFORMATION ARE TAKEN FROM A SURVEY OF LAND SITUATED IN THE CITY OF LEE'S SUMMIT, COUNTY OF JACKSON, AND STATE OF MISSOURI, BY SURVEYOR: YOUNG - HOBBS AND ASSOCIATES, 1202 CROSSLAND AVE., CLARKSVILLE, TN 37040, PHONE: (931) 645-2524
- ALL CONSTRUCTION METHODS AND MATERIAL MUST CONFORM TO CURRENT STANDARDS AND SPECIFICATIONS OF THE FEDERAL, STATE, COUNTY, CITY OR LOCAL REQUIREMENTS, WHICHEVER HAS JURISDICTION.
- ALL PROPOSED SPOT ELEVATIONS SHOWN ARE TOP OF CURB AND FINAL GRADE ELEVATIONS UNLESS OTHERWISE NOTED.
- CONTRACTOR IS RESPONSIBLE FOR LOCATING AND VERIFYING ALL EXISTING UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION.
- CONTRACTOR TO VERIFY ALL EXISTING GRADES AND CONTACT ENGINEER PRIOR TO BEGINNING WORK IF DISCREPANCY IS FOUND. CONTRACTOR TO VERIFY ASSUMED FINISHED FLOOR ELEVATION PRIOR TO BEGINNING WORK.
- THE EXCAVATING CONTRACTOR MUST TAKE PARTICULAR CARE WHEN EXCAVATING IN AND AROUND EXISTING UTILITY LINES AND EQUIPMENT. VERIFY COVER REQUIREMENTS BY UTILITY CONTRACTORS AND/OR UTILITY COMPANIES SO AS TO NOT CAUSE DAMAGE.
- THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES 48 HOURS BEFORE CONSTRUCTION IS TO START. TO VERIFY IF ANY UTILITIES ARE PRESENT ON SITE. ALL VERIFICATIONS (LOCATION, SIZE AND DEPTH) SHALL BE MADE BY THE APPROPRIATE UTILITY COMPANIES. WHEN EXCAVATION IS AROUND OR OVER EXISTING UTILITIES, THE CONTRACTOR MUST NOTIFY THE UTILITY SO A REPRESENTATIVE OF THAT UTILITY COMPANY CAN BE PRESENT TO INSTRUCT AND OBSERVE DURING CONSTRUCTION.
- ALL WORK SHALL BE PERFORMED FROM PRIVATE PROPERTY. ALL TRAFFIC LANES MUST REMAIN OPEN AT ALL TIMES.
- CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO THE EXISTING UTILITIES DURING CONSTRUCTION AND ALL DAMAGE SHALL BE REPAIRED TO ORIGINAL CONDITION AT NO ADDITIONAL COST TO THE OWNER OR CITY.
- CONTRACTOR SHALL INSTALL AND BACKFILL STRUCTURES AND TRENCHES PER DETAILS ON SHEET C-10.
- ALL EXISTING UTILITIES ARE TAKEN FROM SURVEY AND DO NOT NECESSARILY REPRESENT ALL UNDERGROUND UTILITIES ADJACENT TO OR UPON PREMISES SHOWN ON PLAN.
- 12" STORM CONDUITS ARE ADS N-12 SMOOTH INTERIOR HDPE PIPE OR APPROVED EQUAL.
- COMPACTED FILL SHALL BE PLACED A MINIMUM OF 18" ABOVE THE TOP OF PIPE PRIOR TO INSTALLATION.

KEYED NOTES:

- CONNECT PROPOSED STORM SYSTEM OUTLET TO PROPOSED CURB INLET BY OTHERS.
- PROPOSED UNDERGROUND DETENTION, ADS STORMTECH MC-4500 CHAMBER SYSTEM, 14,400 CF. SEE DETAILS ON SHEETS C-12 AND C-13.
- NOT USED.
- PROPOSED OUTLET CONTROL STRUCTURE. SEE DETAILS ON SHEET C-10.
- PROPOSED MANHOLE. SEE DETAILS ON SHEET C-13.1.
- PROPOSED CURB INLET. SEE DETAIL ON SHEET C-13.1.
- PROPOSED CATCH BASIN WITH CONCRETE COLLAR. SEE DETAILS ON SHEET C-10.

LEGEND

EXISTING	PROPOSED	DESCRIPTION
---	---	ST
---	---	ST
---	---	STORM LINE
---	---	STORM STRUCTURE
---	---	DITCH LINE

DETENTION SUMMARY

DESIGNED DETENTION VOLUME	AS-BUILT DETENTION VOLUME	REQUIRED DETENTION VOLUME
25,114 CU. FT.	25,114 CU. FT.	25,114 CU. FT.

STORM STRUCTURE DATA

- PROPOSED CURB INLET (BY OTHERS)
TC: 1008.11
EX: 15" INV (NE) = 1004.55
PR: 12" INV (NW) = 1004.80
- PROPOSED 48" DIA. OUTLET CONTROL STRUCTURE
TC: 1014.55
PR: 12" INV (E) = 1005.67
PR: 12" INV (SW) = 1006.75
- PROPOSED 36" L x 36" W CATCH BASIN
TC: 1015.95
- PROPOSED 48" L x 48" W CURB INLET
TC: 1012.30
PR: 12" INV (NW) = 1009.50
- PROPOSED 48" L x 48" W MANHOLE
TC: 1016.85
PR: 12" INV (SE) = 1010.00
PR: 12" INV (SW) = 1009.00
- PROPOSED 36" L x 36" W CATCH BASIN
TC: 1017.70
PR: 12" INV (NE) = 1011.86



MISSOURI ONE CALL SYSTEM

The Missouri One Call System is a communications system which was established to help prevent damage to underground facilities and to promote safety. Missouri One Call operators are on duty 24 hours a day, seven days a week.

Missouri One Call provides a telephone number for contractors and the general public to call for notification of their intent to use equipment for excavation, grading, blasting, boring, demolition or other types of similar work.

1-800-DIG-RITE or 811

MAKE THE CALL...IT'S THE LAW

Storm Sewer Tabulation

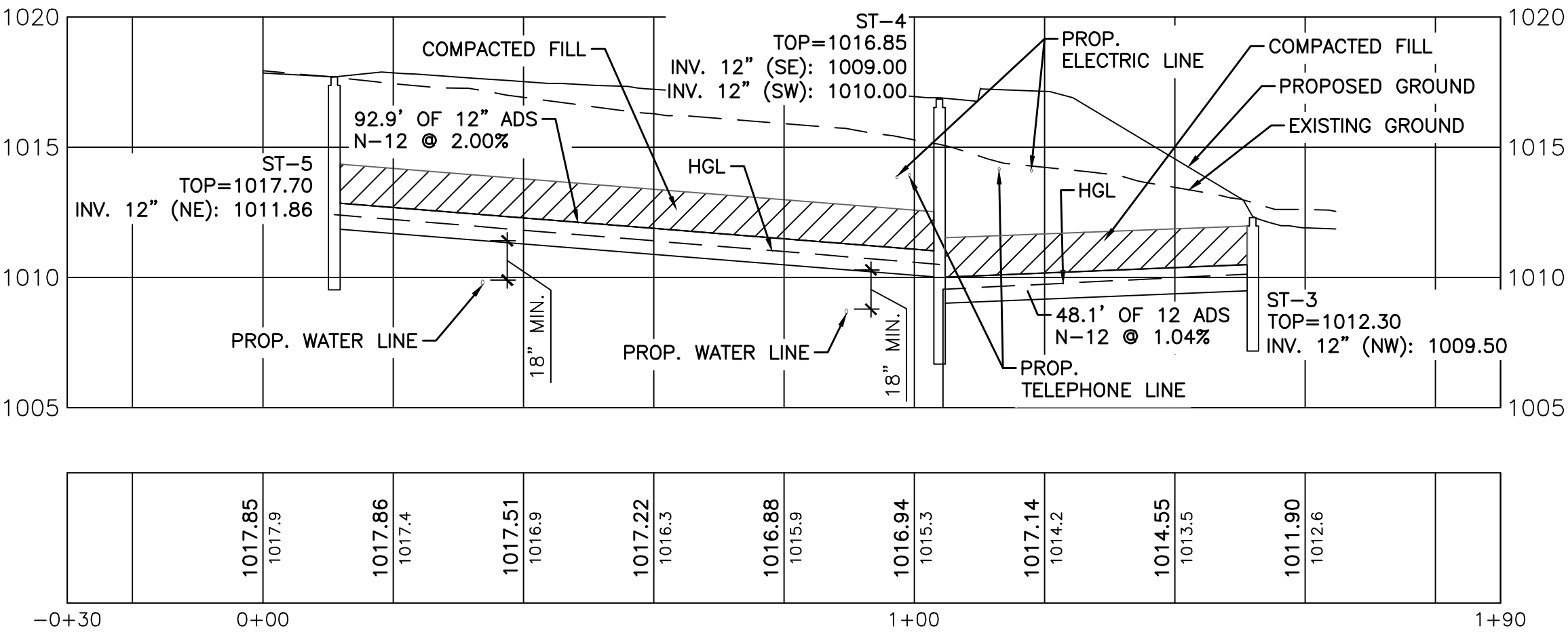
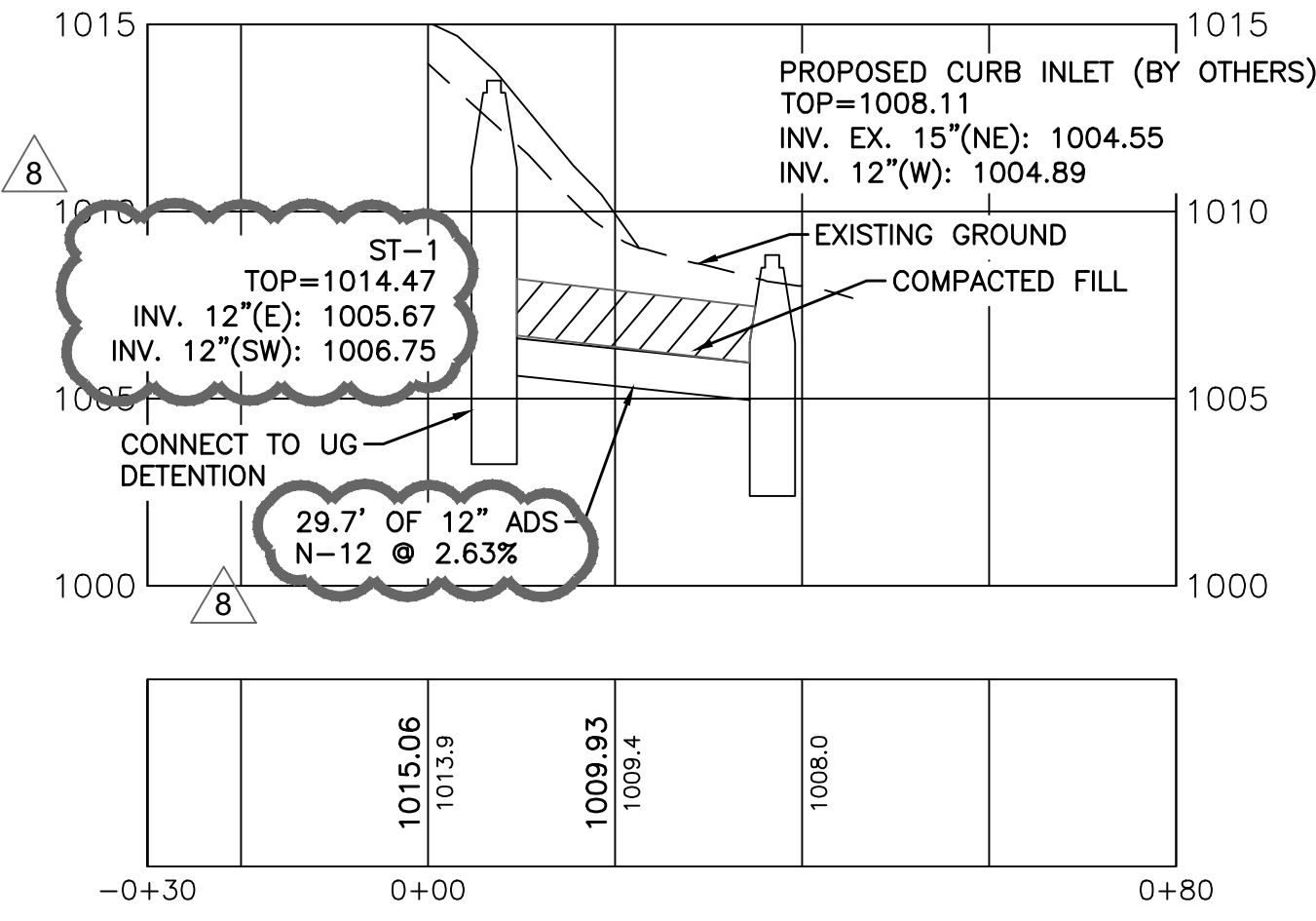
Station	Len	Drng Area	Rnoff coeff	Area x C	Tc	Rain (I)	Total flow	Cap full	Vel	Pipe	Invert Elev	HGL Elev	Grnd / Rim Elev	Line ID
Line To Line	(ft)	(ac)	(C)	(ac)	(min)	(min)	(cfs)	(cfs)	(ft/s)	(in)	(ft)	(ft)	(ft)	
1 End	48.003	0.24	0.24	0.90	0.22	0.22	5.0	5.0	9.9	2.14	3.94	4.63	12	1.04

Page 1

Storm Sewer Tabulation

Station	Len	Drng Area	Rnoff coeff	Area x C	Tc	Rain (I)	Total flow	Cap full	Vel	Pipe	Invert Elev	HGL Elev	Grnd / Rim Elev	Line ID
Line To Line	(ft)	(ac)	(C)	(ac)	(min)	(min)	(cfs)	(cfs)	(ft/s)	(in)	(ft)	(ft)	(ft)	
1 End	52.9	0.19	0.19	0.90	0.17	0.17	5.0	5.0	9.9	1.89	5.48	4.08	12	2.00

Page 1



1 PROFILE VIEW - ST-1 - EX1

2 PROFILE VIEW - ST-3 - ST-5

