

HORIZONTAL

	TEE		45°		22 1/2°		11 1/4°	
	L	D	L	D	L	D	L	D
6"	2.5'	1.5'	2.0'	1.5'	1.5'	1.0'	1.5'	1.0'
8"	3.5'	1.5'	2.5'	2.0'	1.5'	1.5'	2.0'	1.0'
10"	3.5'	2.5'	3.0'	2.5'	3.0'	1.5'	2.5'	1.0'
12"	4.0'	3.5'	4.0'	3.0'	3.5'	2.0'	3.0'	1.5'

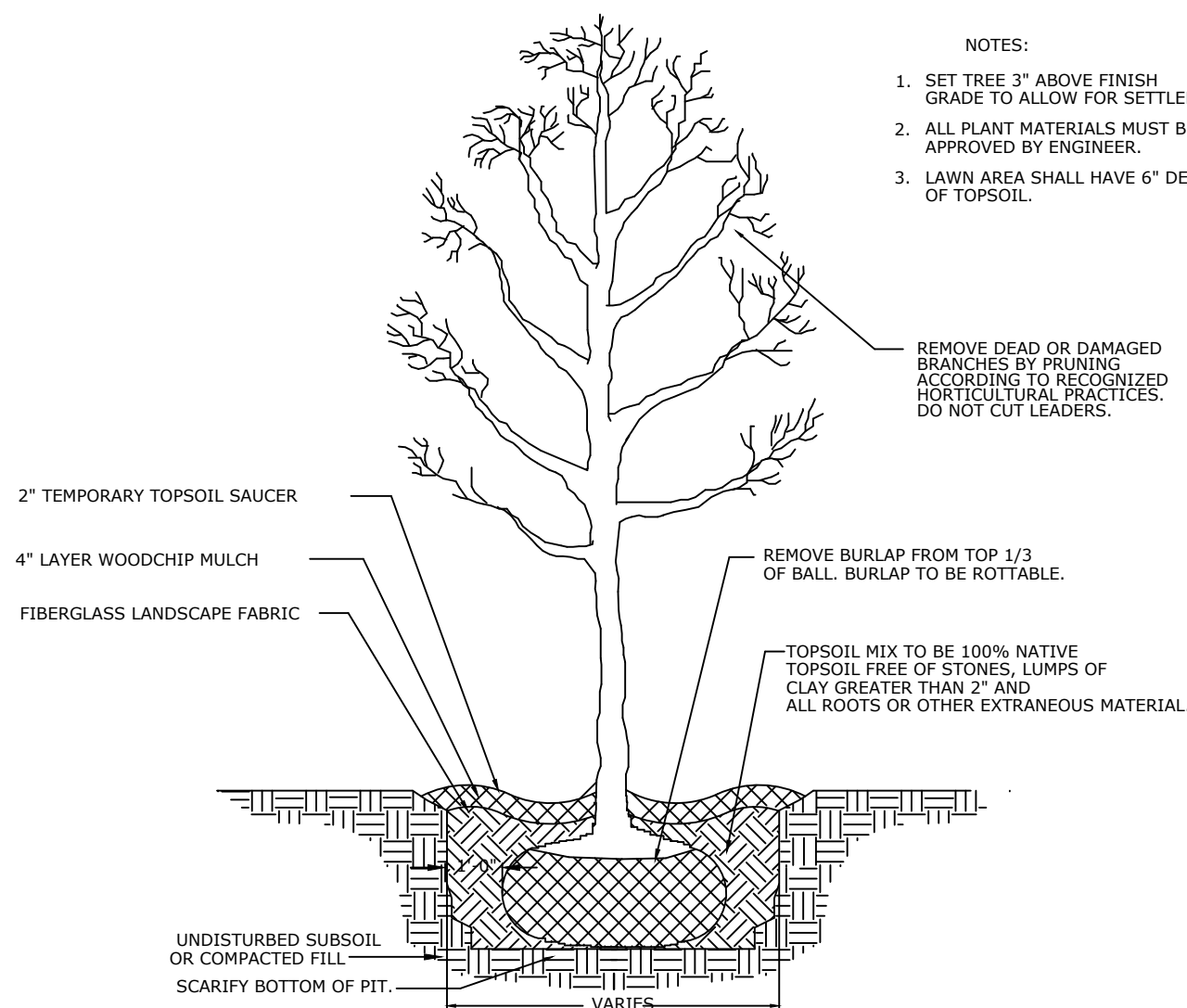
VERTICAL

	45°		22 1/2°		11 1/4°	
	D	W	D	W	D	W
6"	3.0'	5.0'	2.0'	4.0'	2.0'	3.0'
8"	3.5'	5.0'	2.5'	4.0'	2.5'	3.0'
10"	4.5'	5.0'	3.5'	4.0'	3.0'	3.0'
12"	5.0'	5.0'	3.5'	4.0'	3.0'	3.0'

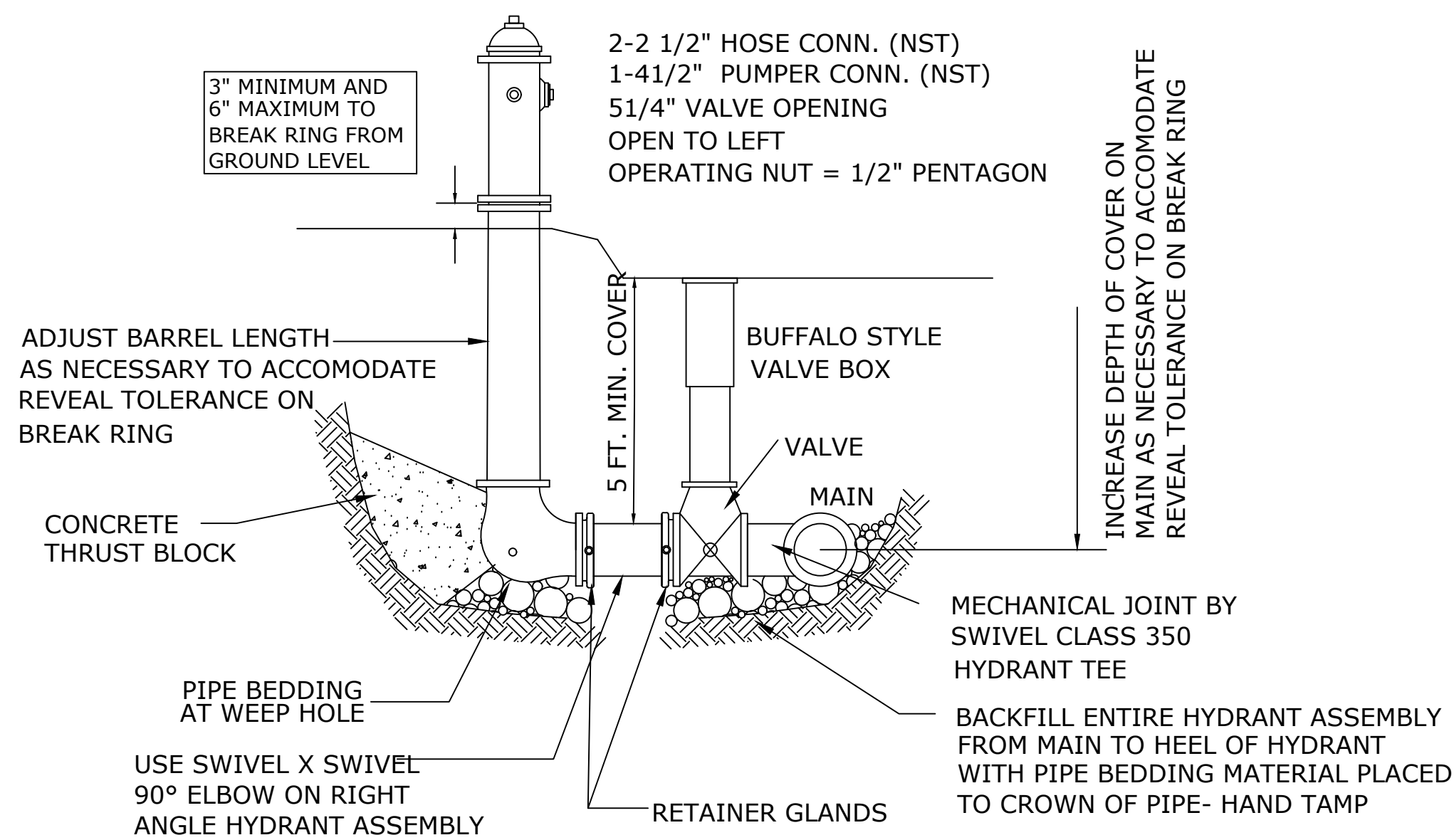
- NOTES:
1. INSTALL THRUST BLOCKS AT ALL TEES & ELBOWS.
 2. SIDES OF BLOCKS SHALL BE FORMED SO THAT NO CONCRETE CONTACTS BELLS, GLANDS, OR BOLTS.
 3. ALL CONC. FOR THRUST BLOCKS TO BE A MIN. OF 2500 P.S.I.

THRUST BLOCK DETAILS

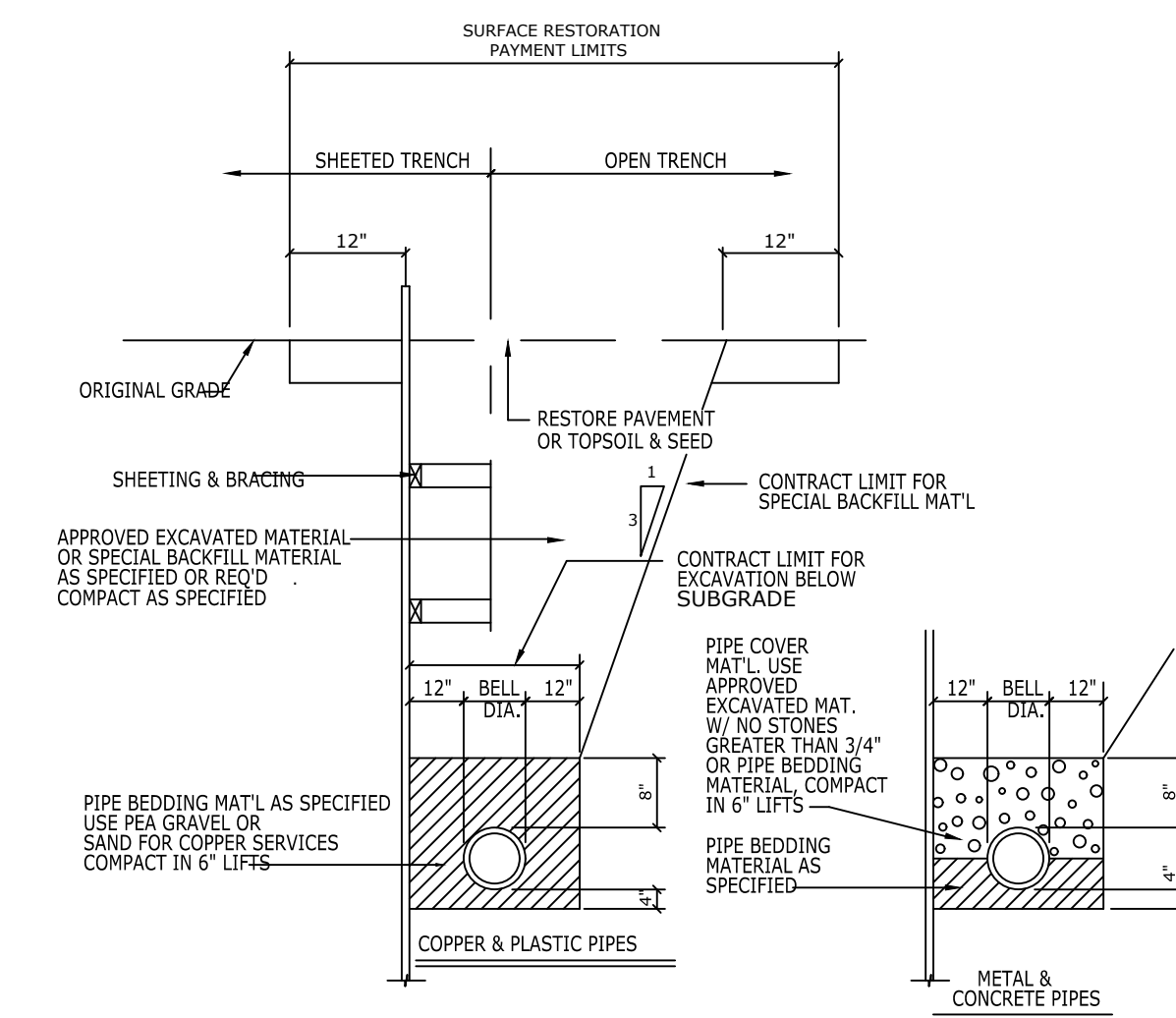
N.T.S.



TREE PLANTING

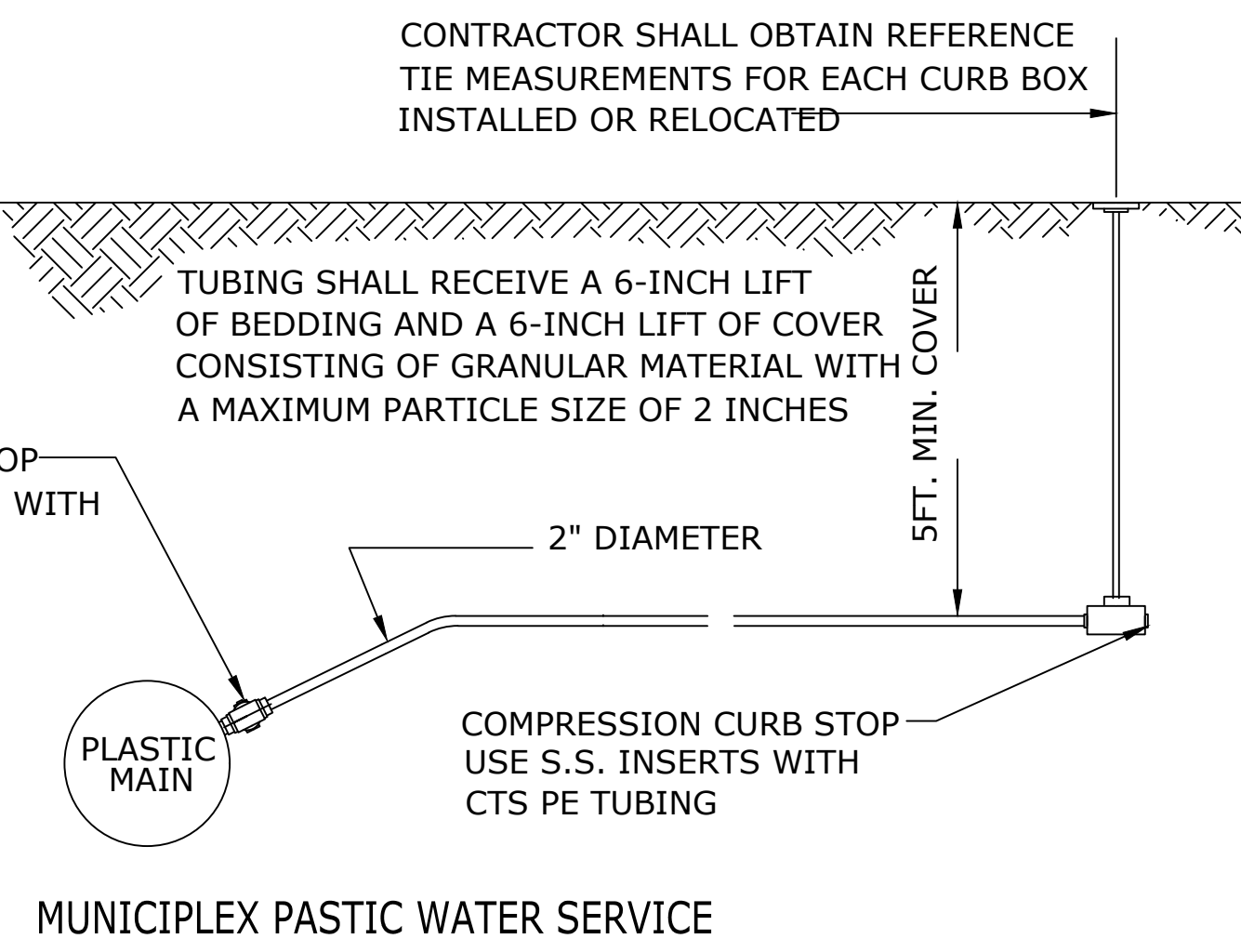


HYDRANT AND VALVE ASSEMBLY

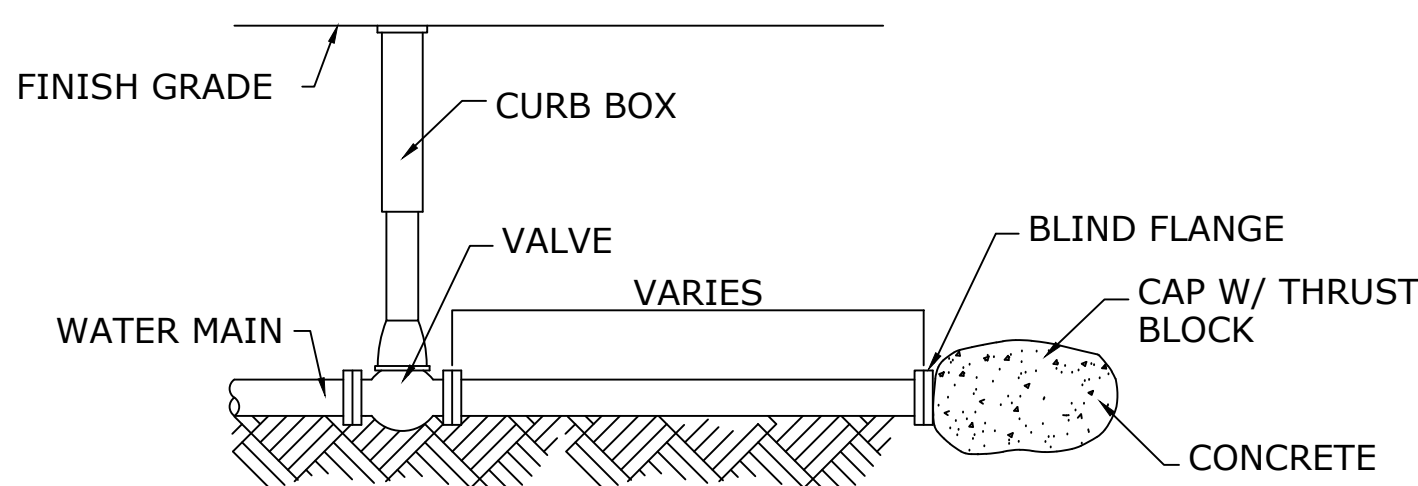


TYPICAL TRENCH DETAIL

N.T.S.

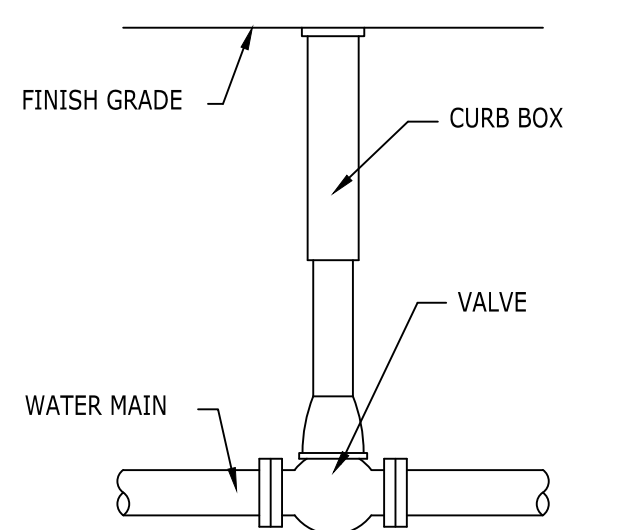


MUNICIPLEX PASTIC WATER SERVICE



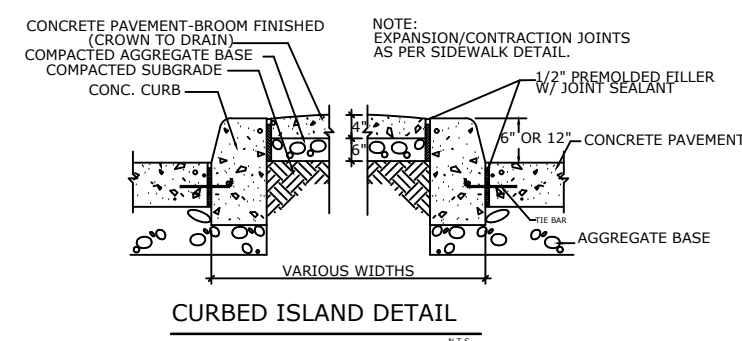
TYPICAL END OF MAIN CAP DETAIL

N.T.S.



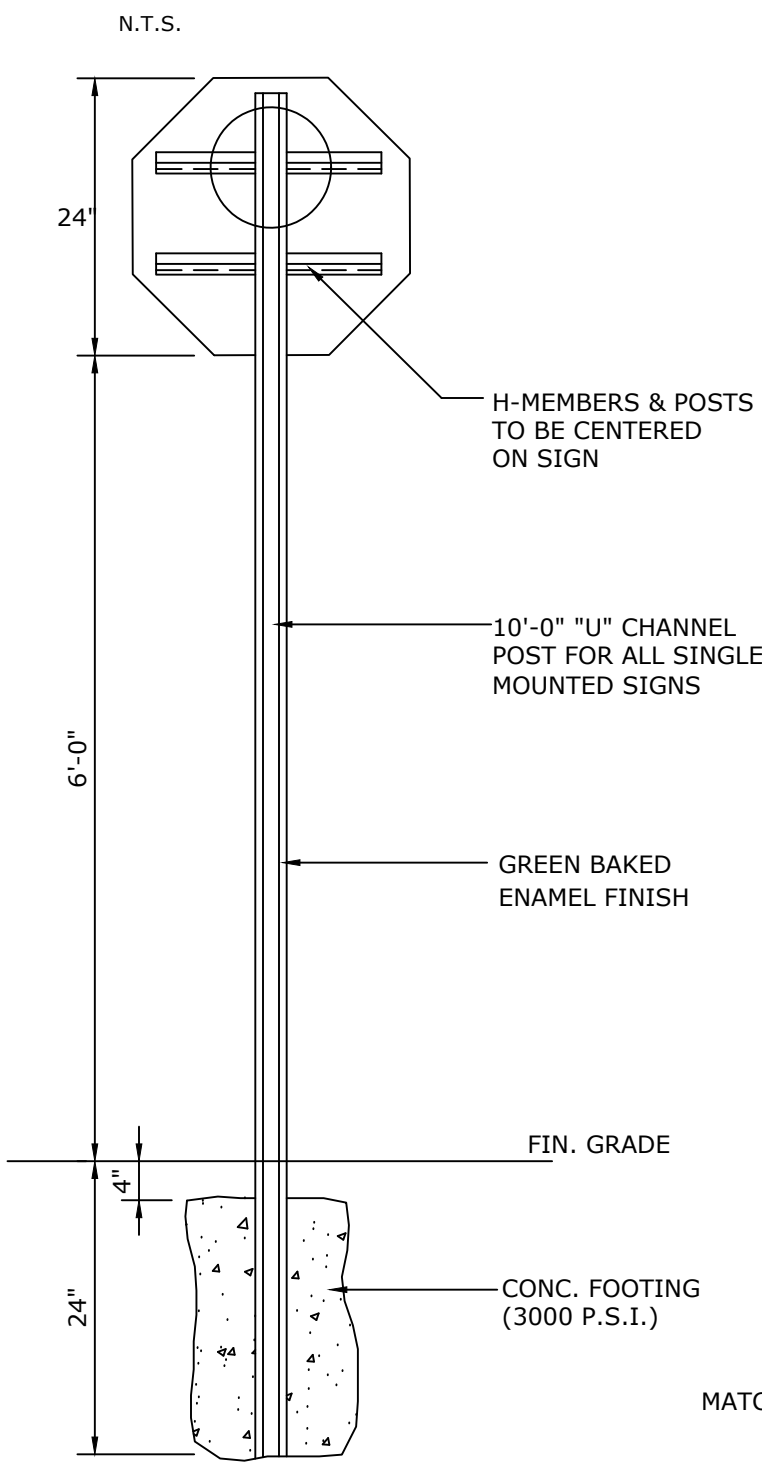
TYPICAL VALVE

N.T.S.

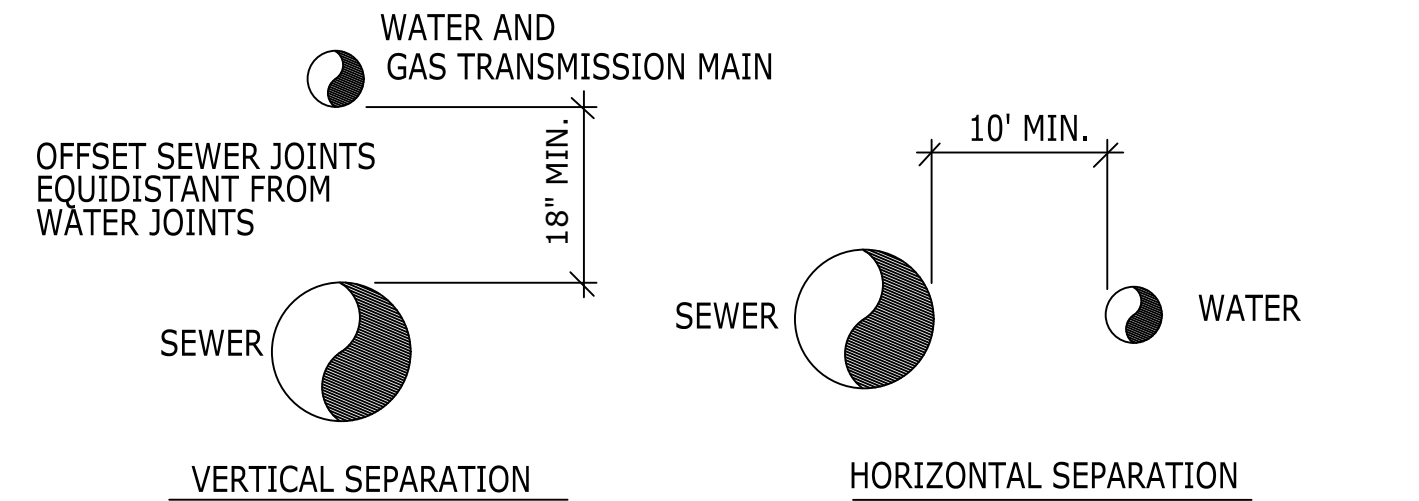


CURBED ISLAND DETAIL

N.T.S.

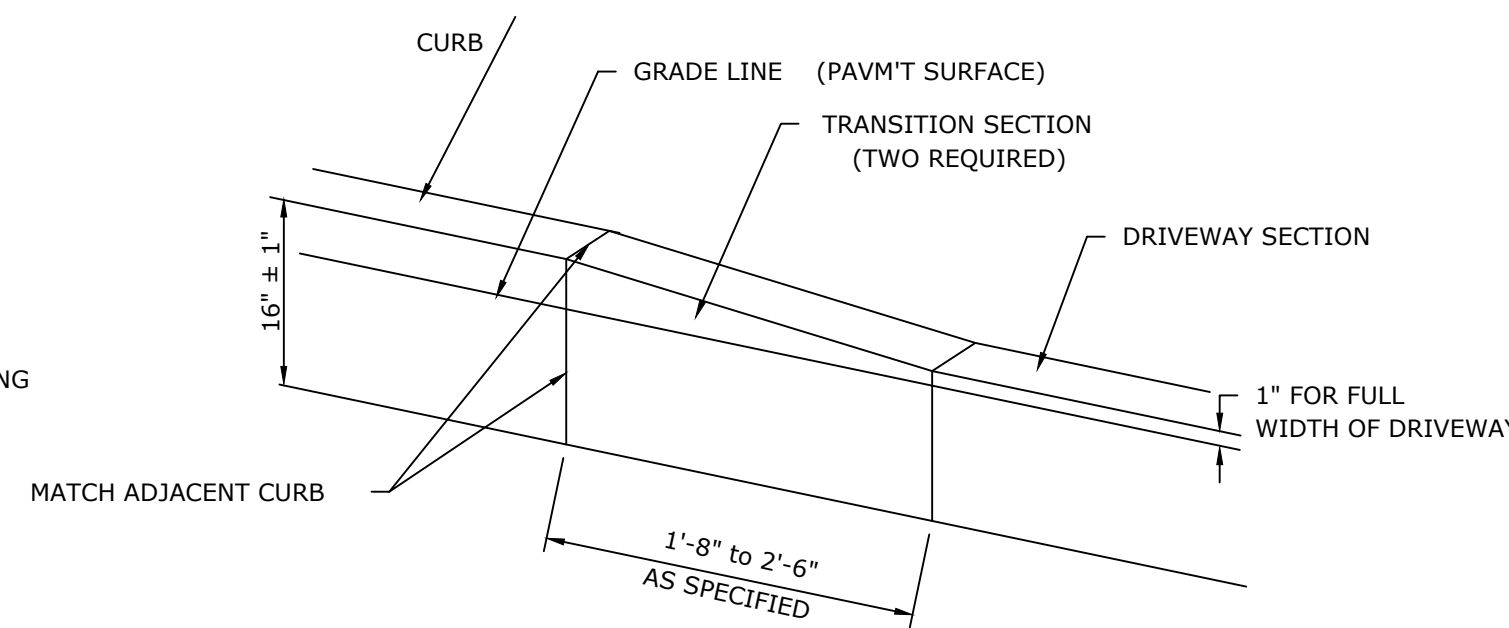


POLE MOUNTED SIGN DETAIL



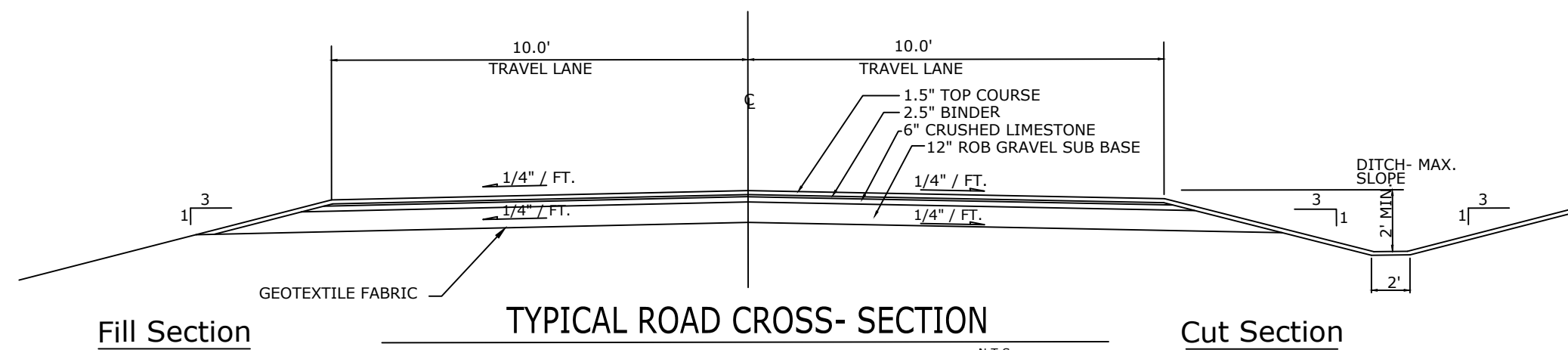
TYPICAL SEPARATION

N.T.S.



CURB DRIVEWAY TRANSITION

N.T.S.



TYPICAL ROAD CROSS- SECTION

N.T.S.

NOTES (WATER):

1. DISINFECTION PROCEDURES FOR NEWLY INSTALLED WATER DISTRIBUTION LINES SHALL CONFORM WITH AWWA C651-05 AND NYS DEPARTMENT OF HEALTH STANDARDS IN PART 5, SUBPART 5-1. ALSO , TESTING MUST BE CONDUCTED IN A MANNER THAT MEETS BACKFLOW PROTECTION STANDARDS AS INDICATED IN AWWA C651.
2. THE DEVELOPER IS RESPONSIBLE FOR PROVIDING AS-BUILT DRAWINGS AS SPECIFIED BY THE LOCAL WATER DISTRICT. THE NEW WATER MAIN WILL NOT PLACED INTO SERVICE UNTIL AS-BUILTS ARE PROVIDED .
3. THE WATER MAIN MUST BE PRESSURE/LEAKAGE TESTED FLUSHED, DISINFECTED, AND BACTERIOLOGICALLY TESTED IN ACCORDANCE WITH WATER MAIN TESTING SPECS.
4. INSTALL RETAINING GLANDS ON ALL MECHANICAL JOINT FITTINGS.

REVISIONS

No.	Date	SYW	Description

WATER & SITE DETAILS

PROP. WOODLAND COURT APTS.
CORTLAND, LLC
14 HICKORY LANE
CORTLAND, N.Y. 13045

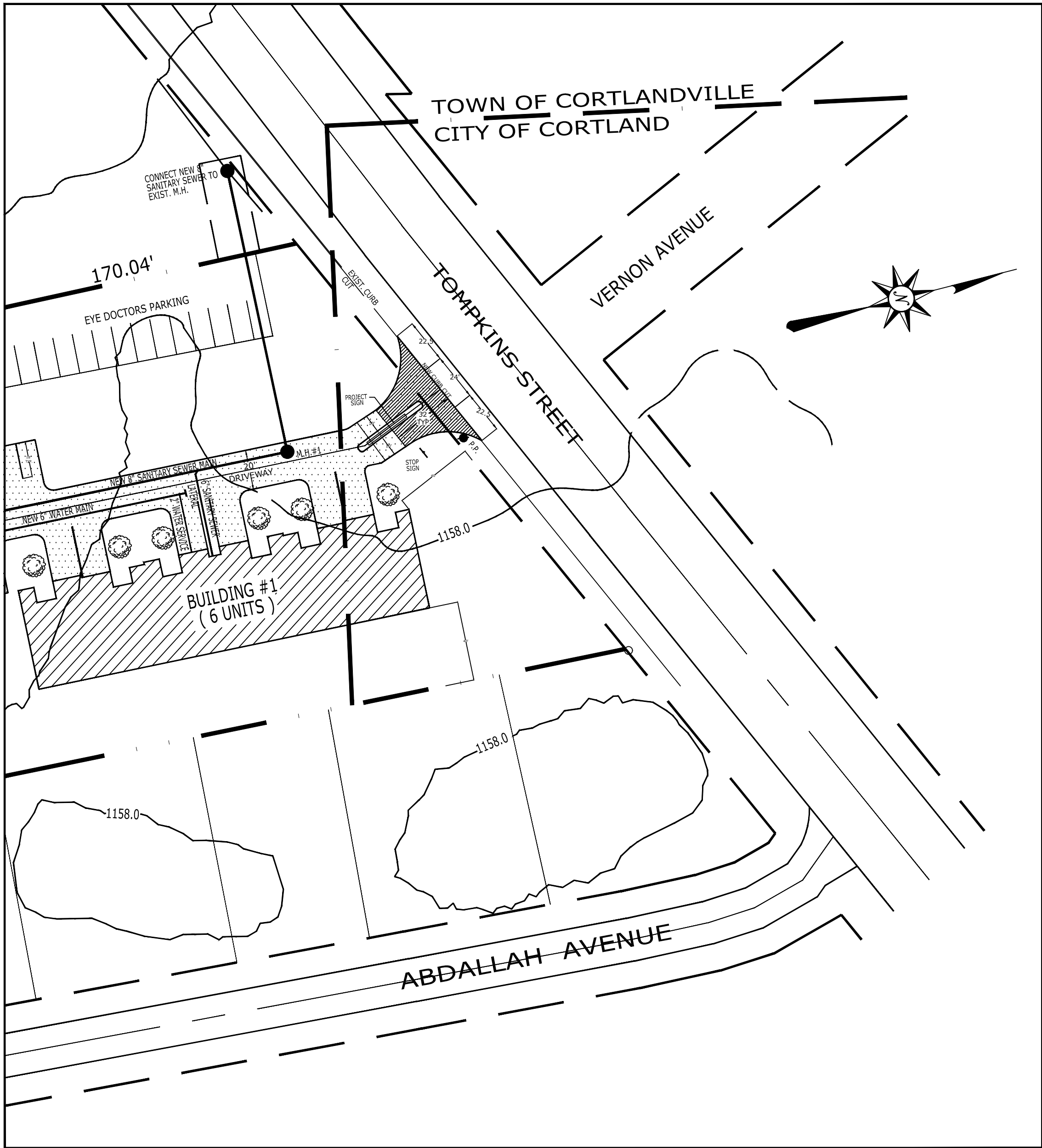


TIMOTHY C. BUHL, P.E.

35 FIRE LANE 24, AUBURN, NY 13021

DATE: AUG., 2020
SCALE: N.T.S.
DRAWN: MB
JOB:
SHEET:

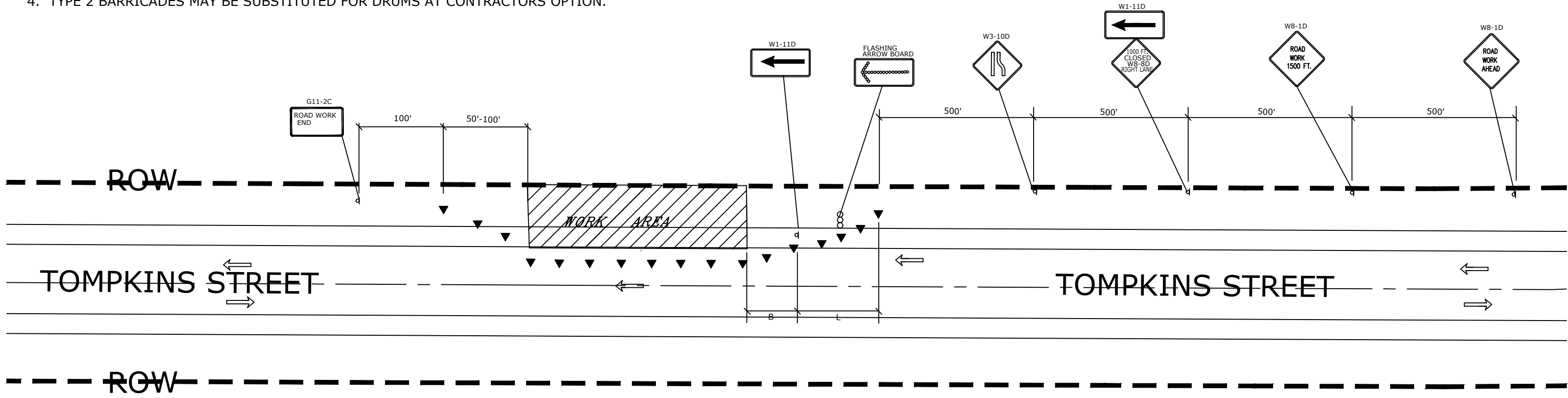
ST-2



PLAN: PROPOSED COMMERCIAL DRIVE (TOMPKINS STREET)

NOTES:

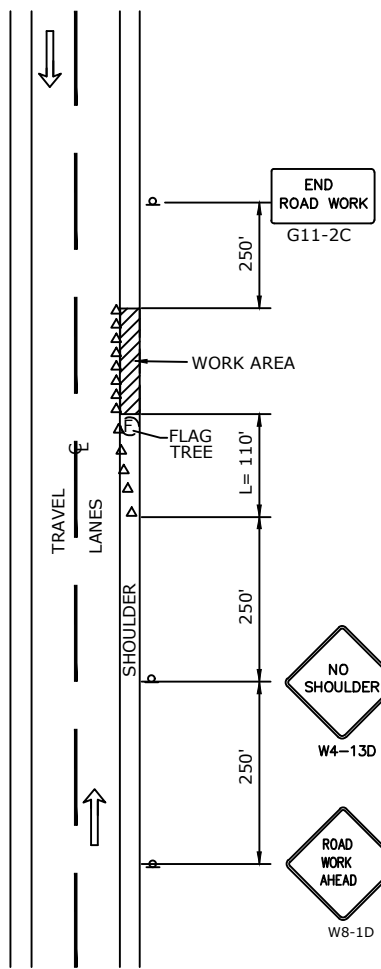
1. L = TAPER LENGTH, SEE SECTION 301.12 AND TABLE 262-2 OF THE M.U.T.C.D.
L, APPROX. = 85% SPEED IN MPH TIMES LATERAL OFFSET IN FEET.
2. DISTANCE SHOULD BE ADAPTED TO PREVAILING CONDITIONS. THE TAPER LENGTH SHOULD REFLECT REALISTIC "WAVE THROUGH" SPEEDS.
3. REFER TO M.U.T.C.D. FOR SIGN WITH LISTED NUMBERS.
4. TYPE 2 BARRICADES MAY BE SUBSTITUTED FOR DRUMS AT CONTRACTORS OPTION.



PLAN: TOMPKINS STREET

N.Y.S.D.O.T. STANDARD GENERAL PLAN NOTES

1. ROAD TO BE KEPT CLEAN OF MUD AND DEBRIS AT ALL TIMES
2. ROADSIDE DRAINAGE TO BE MAINTAINED AT ALL TIMES.
3. MATERIALS, EQUIPMENT AND VEHICLES ARE NOT TO BE STORED OR PARKED WITHIN THE NEW YORK STATE RIGHT OF WAY.
4. MAINTENANCE AND PROTECTION OF TRAFFIC MUST COMPLY WITH THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES" AND SECTION 619 OF THE NYSDOT'S STANDARD SPECIFICATIONS.
5. NOTIFY NEW YORK STATE DEPARTMENT OF TRANSPORTATION RESIDENT ENGINEER AT THE CAYUGA/SENECA RESIDENCY, (315) 539-3112, 3 WORKING DAYS PRIOR TO WORKING IN THE STATE RIGHT OF WAY.
6. DIG SAFELY NEW YORK 3 WORKING DAYS PRIOR TO DIGGING, DRILLING OR BLASTING AT 1-800-962-7962 FOR A UTILITY STAKE - OUT.
7. ALL MATERIALS USED WITHIN THE STATE RIGHT OF WAY MUST COMPLY WITH THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION 2002 SPECIFICATION BOOK AND THE CURRENT ADDENDAS, ALONG WITH ANY APPROPRIATE CURRENT NEW YORK STATE DEPARTMENT OF TRANSPORTATION STANDARD SHEETS.
8. QUALITY CONTROL OF ASPHALT CONCRETE SHALL MEET THE REQUIREMENTS OF SECTION 402 OF THE STANDARD SPECIFICATIONS. ASPHALT COURSE DEPTHS SHOWN ON THE PLANS ARE COMPACTED DEPTHS.
9. NO NIGHT WORK WILL BE ALLOWED UNLESS PRIOR APPROVAL IS GIVEN BY THE DEPARTMENT. ADDITIONAL MAINTENANCE AND PROTECTION OF TRAFFIC WILL BE REQUIRED INCLUDING THE ADDITION OF REFLECTIVE MATERIALS AND LIGHTING.
10. HAZARDOUS WASTE NOTIFICATION - THE PERMITTEE ACCEPTS THE RIGHT-OF-WAY OF THE STATE HIGHWAY IN IT'S AS IS CONDITION. THE DEPARTMENT OF TRANSPORTATION MAKES NO REPRESENTATION AS TO THE ABSENCE OF UNDERGROUND TANKS, STRUCTURES, FEATURES OR SIMILAR IMPEDIMENTS TO THE COMPLETION OF THE WORK PERMITTED HEREUNDER. SHOULD PERMITTEE FIND SOME PREVIOUSLY UNKNOWN UNDERGROUND IMPEDIMENTS TO IT'S WORK, THE DEPARTMENT OF TRANSPORTATION SHALL HAVE NO OBLIGATION TO CURE, REMOVE, REPAIR OR OTHERWISE DEAL WITH SUCH PREVIOUSLY UNKNOWN UNDERGROUND IMPEDIMENTS. THE DEPARTMENT WILL PERMIT THE PERMITTEE TO REMOVE, MODIFY OR OTHERWISE DEAL WITH SUCH UNDERGROUND TANKS, STRUCTURE FEATURE OR IMPEDIMENT IF SUCH IS DONE IN A MANNER WHICH MEETS ACCEPTABLE ENGINEERING PRACTICE AND IS PRE-APPROVED BY THE DEPARTMENT OF TRANSPORTATION. SHOULD PERMITTEE DETERMINE THAT SUCH UNFORSEEN UNDERGROUND IMPEDIMENT REQUIRES PERMITTEE'S WORK AS AUTHORIZED BY THIS PERMIT UNFEASIBLE, PERMITTEE SHALL HAVE THE OPTION OF RESTORING THE HIGHWAY TO IT'S ORIGINAL CONDITION AND NOT PERFORMING SUCH WORK.
11. MAINTENANCE AND PROTECTION OF TRAFFIC SHALL BE IN ACCORDANCE WITH THE NYSDOT CONTRACT HIGHWAY WORK PERMIT DOCUMENTS AND AS DEEMED NECESSARY BY THE NYS ENGINEER IN CHARGE. DEPTHS SHOWN ON THE PLANS ARE COMPACTED DEPTHS.
12. ALL WORK CONTEMPLATED UNDER THIS CONTRACT IS TO BE COVERED BY AND IN CONFORMITY WITH THE STANDARD SPECIFICATION (METRIC UNITS) OF JAN. 2002, AND ANY SUBSEQUENT ADDENDUMS. EXCEPT AS MODIFIED IN THESE PLANS AND IN THE ITEMIZED PROPOSAL. METRIC UNITS MAY BE CONVERTED TO ENGLISH.
13. OPENING CUTTINGS OF THE ROADWAY SHALL NOT BE ALLOWED UNLESS PERMISSION IS GRANTED IN WRITING, BY THE REGIONAL TRAFFIC ENGINEER.



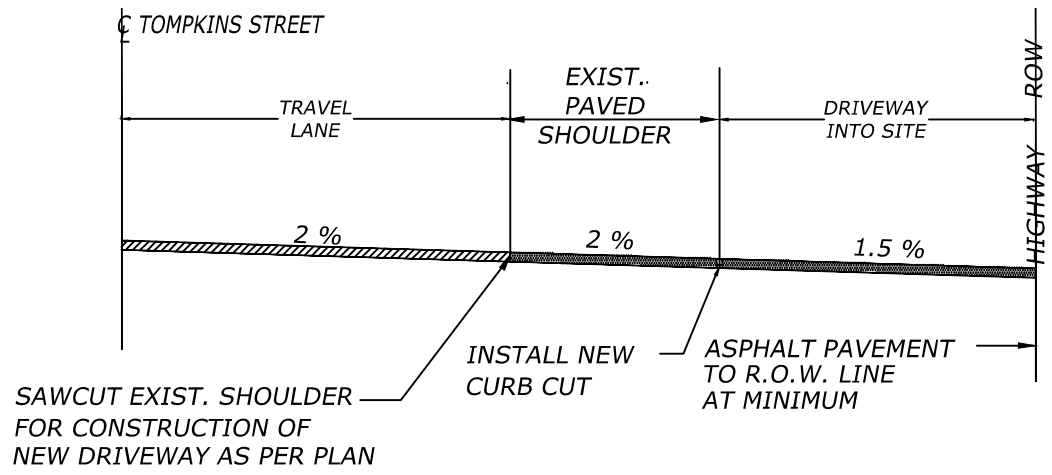
PLAN (SHOULDER CLOSURE)

N.T.S.

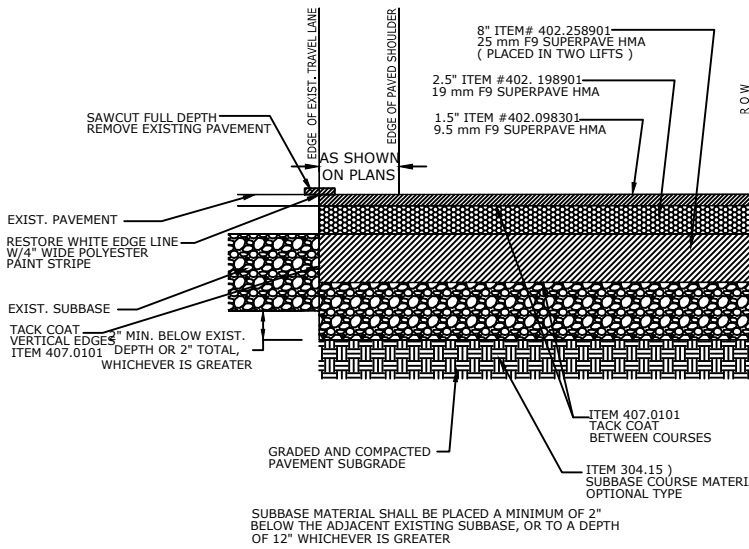
MAINTENANCE AND PROTECTION OF TRAFFIC NOTES:

1. MAINTENANCE AND PROTECTION OF TRAFFIC SHALL BE PROVIDED IN ACCORDANCE WITH SECTION 619 OF THE JANUARY 2002 STANDARD SPECIFICATIONS, THE NEW YORK STATE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.) DATED JULY 1, 1983, ANY SUBSEQUENT ADDENDUMS OF EITHER AND ALL OTHER APPLICABLE PROVISIONS CONTAINED IN THIS CONTRACT. ALL SIGN NUMBERS REFER TO THE M.U.T.C.D.
2. THE FINAL RESPONSIBILITY FOR THE PROTECTION OF THE TRAVELING PUBLIC AND HIS OWN PERSONNEL SHALL REST WITH THE CONTRACTOR.
3. PRIOR TO THE START OF WORK, THE CONTRACTOR MAY SUBMIT ANY PROPOSED CHANGES TO THE TRAFFIC CONTROL PLAN TO THE ENGINEER FOR APPROVAL. ANY CHANGE WHICH ALTERS THE BASIC CONCEPT OF THE PLAN MUST BE APPROVED BY THE REGIONAL DIRECTOR OR HIS DESIGNEE.
4. VEHICLES AND CONSTRUCTION EQUIPMENT BELONGING TO THE CONTRACTOR OR THE CONTRACTORS EMPLOYEES SHALL BE MOVED A MINIMUM OF 30 FEET FROM THE EDGE OF PAVEMENT DURING NON-WORKING HOURS. PRIVATE VEHICLES OWNED BY THE CONTRACTOR OR HIS EMPLOYEES SHALL NOT BE PARKED ON THE PAVEMENT OR SHOULDER.
5. NO CONSTRUCTION MATERIAL MAY BE STORED ON THE ROAD BED EXCEPT IN A PROTECTED WORK ZONE.
6. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL PROPERTIES IN THE VICINITY OF THE PROJECT SITE AT ALL TIMES.
7. SIGN LOCATIONS SHOWN ON THE PLANS ARE APPROXIMATE. ACTUAL LOCATION SHALL BE ADAPTED TO PREVAILING CONDITIONS AND SHALL PROVIDE OPTIMUM VISIBILITY. ACTUAL FIELD CONDITIONS MAY REQUIRE ADDITIONAL SIGNS AND OTHER ARRANGEMENTS.
8. SIGNS THAT ARE NOT APPLICABLE SHALL BE COVERED OR OBLSCURED FROM SIGHT.
9. THE FLAGGING STATION AND LANE CLOSURE SHOULD BE LOCATED TO ENSURE MAXIMUM VISIBILITY.
10. A WB-20C "WORKER" SIGN SHOULD PRECEDE THE INITIAL WORK ZONE ON EACH APPROACH TO THE PROJECT (SHOWN ON PLAN ABOVE). IT MAY HAVE TO BE RELOCATED AS THE LOCATION OF THE FIRST WORK ENCOUNTERED CHANGES. IT SHOULD BE LEFT UP DURING NON-WORKING HOURS WHENEVER EVIDENCE OF WORK IS PRESENT.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL TRAFFIC CONTROL DEVICES REQUIRED DURING CONSTRUCTION AND MAKING SURE ALL SIGNS, CONES AND DRUMS ARE IN PLACE AND IN GOOD CONDITION.
12. WHENEVER GUIDERAILING IS REMOVED, THE CONTRACTOR SHALL INSTALL VERTICAL PANELS OR DRUMS IN ACCORDANCE WITH SECTION 292.3 & 292.4 OF M.U.T.C.D. THEY SHALL BE PLACED AT 50' INTERVALS & SHALL BE LEFT IN PLACE UNTIL THE NEW GUIDE RAIL IS INSTALLED OR THE SLOPE FLATTENING WORK IS COMPLETE. IF VERTICAL PANELS ARE LEFT OVERNIGHT, THEY SHALL BE PRECEDED BY A TYPE III BARRICADE WITH A TYPE A FLASHING LOW INTENSITY WARNING LIGHT.
13. THE WB-20C FLAGGER SHALL BE USED WHENEVER FLAGGING OCCURS FOR MORE THAN A BRIEF PERIOD OF TIME. THE SIGN SHALL BE PROMPTLY REMOVED, COVERED OR FACED AWAY FROM TRAFFIC WHEN THE FLAGGING OPERATION CEASES.
14. THE CONTRACTOR SHALL MAINTAIN ALL EXISTING SIGNS FOR THE DURATION OF THE PROJECT OR UNTIL NEW REPLACEMENT SIGNS ARE INSTALLED. ALL COSTS TO WORK AROUND, REPLACE OR TEMPORARILY POSTS OR TO TEMPORARILY RELOCATE EXIST. SIGNS SHALL BE INCLUDED IN THE PRICE BID FOR 619.01 - BASIC MAINTENANCE AND PROTECTION OF TRAFFIC.
15. LENGTH OF TAPERS SHOWN ON THE MAINTENANCE AND PROTECTION OF TRAFFIC GENERAL PLAN SHALL BE DETERMINED FROM SECTION 292.1 (c) OF THE M.U.T.C.D. CONE SPACING SHALL BE DETERMINED FROM SECTION 292.1 (e) OF THE M.U.T.C.D.
16. AN ATTEMPT HAS BEEN MADE TO SHOW THE LOCATION OF ANY UNDERGROUND UTILITIES WHICH MAY EXIST WITHIN OR ADJACENT TO THE PROJECT AREA. PRIOR TO THE UTILIZATION OF THE INFORMATION SHOWN HEREON, U.F.P.D. SHOULD BE NOTIFIED (1-800-962-7962) FOR THE VERIFICATION OF THE EXISTENCE OF ANY AND ALL SUCH UTILITIES.
17. IT SHALL BE THE CONTRACTORS SOLE RESPONSIBILITY FOR ANY DAMAGE INCURRED DURING EXCAVATION OPERATIONS. ALL COSTS RELATED TO THE REPAIR OF DAMAGED UTILITIES SHALL BE BORNE BY THE CONTRACTOR AT NO ADDITIONAL CHARGE TO THE OWNER.
18. ALL CONSTRUCTION SIGNS SHALL BE PAID FOR UNDER THE PAY ITEM MAINTENANCE & PROTECTION OF TRAFFIC AND FACILITIES. CONSTRUCTION SIGN MATERIALS SHALL COMPLY WITH SECTION 619-2.020F NYSDOT STANDARD SPECIFICATIONS, DATED JANUARY 2, 2002 CONSTRUCTION SIGNS SHALL HAVE BLACK TEXT ON ORANGE BACKGROUND.
19. WORK ZONES LEFT OVERNIGHT SHALL BE PROTECTED WITH THE APPROPRIATE WARNING SIGNS SUPPLEMENTED WITH TYPE "A" LOW INTENSITY WARNING LIGHTS DRUMS OR BARRICADES SHALL BE USED FOR CHANNELIZATION. TWO-WAY TRAVEL SHALL BE PROVIDED DURING NON-WORKING HOURS.
20. THE CONTRACTOR SHALL SCHEDULE HIS CONSTRUCTION OPERATIONS IN A MANNER SO AS TO MINIMIZE THE LENGTH OF TIME WHEN DROP-OFFS ADJACENT TO THE TRAVEL LANE OCCUR. THE CONTRACTOR SHALL DELINEATE AREAS WHERE THERE IS A DROP-OFF NEAR THE EDGE OF THE TRAVELED WAY AND WHICH IT IS UNSAFE TO TRAVEL. SEE SUBSECTION 619-3.01G IN THE STANDARD SPECIFICATIONS OF JAN. 2, 2002 AND ADDENDUMS FOR REQUIRED TREATMENT OF PAVEMENT EDGE DROP-OFFS. NO DROP-OFFS SHALL BE LEFT OVERNIGHT OR DURING NON-WORKING HOURS.

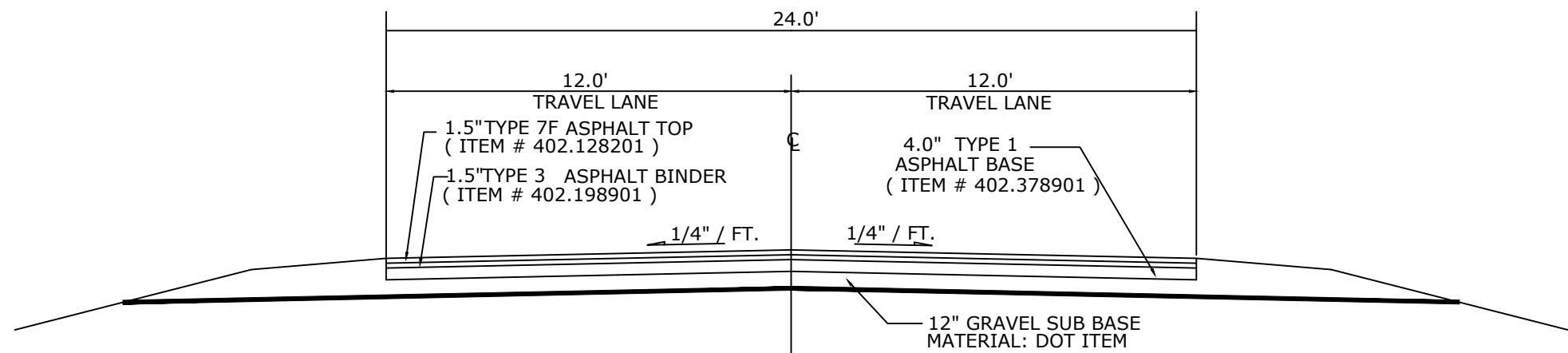
CONSTRUCTION SIGNS - ITEM 619.02					
TEXT	M.U.T.C.D. NO.	APPROX. AREA (SF.)	TEXT	M.U.T.C.D. NO.	APPROX. AREA (SF.)
	WB-10	36" x 36" (9.0 SF.)		G11-2C	36" x 24" (5.0 SF.)
	WB-6D	36" x 36" (9.0 SF.)		WB-22C	36" x 36" (9.0 SF.)
	WB-1D	36" x 36" (9.0 SF.)		WB-13D	36" x 36" (9.0 SF.)
	WB-1D	36" x 36" (9.0 SF.)		WB-11D	48" x 24" (5.0 SF.)
	WB-1D	36" x 36" (9.0 SF.)		WB-8D	36" x 36" (9.0 SF.)



N.T.S.



TYPICAL ROAD APRON SECTION (IN N.Y.S. R.O.W.)



NOTE:

1. EXCAVATE EXISTING MATERIAL AS REQUIRED
2. GRADE AND COMPACT (95% MODIFIED) SUBGRADE
3. PLACE, GRADE AND COMPACT (95% MODIFIED) GRAVEL SUB BASE MATERIAL
4. PLACE AND ROLL NEW ASPHALT
5. SUBBASE MATERIAL SHALL BE PLACED 2" BELOW ADJACENT EXISTING SUBBASE, OR TO A DEPTH OF 12", WHICHEVER IS GREATER.

TYPICAL DRIVEWAY SECTION N.T.S.

MAINTENANCE & PROTECTION OF TRAFFIC PLAN

PROP. WOODLAND COURT APTS.
CORTLAND, LLC
NYS RTE 13 (TOMPKINS ST)
CORTLANDVILLE (T), N.Y.



TIMOTHY C. BUHL, P.E.

35 FIRE LANE 24, AUBURN, NY 13021

DATE: AUG., 2020

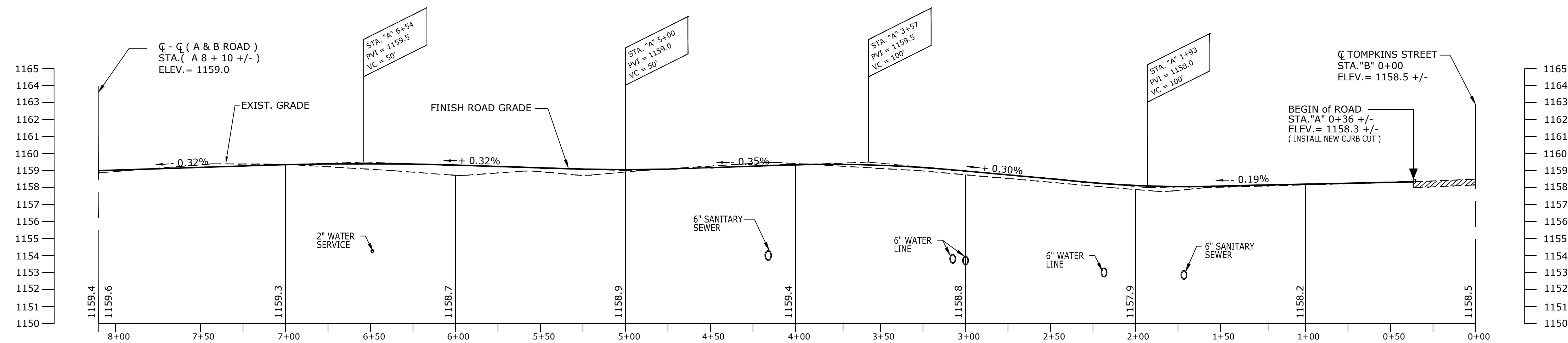
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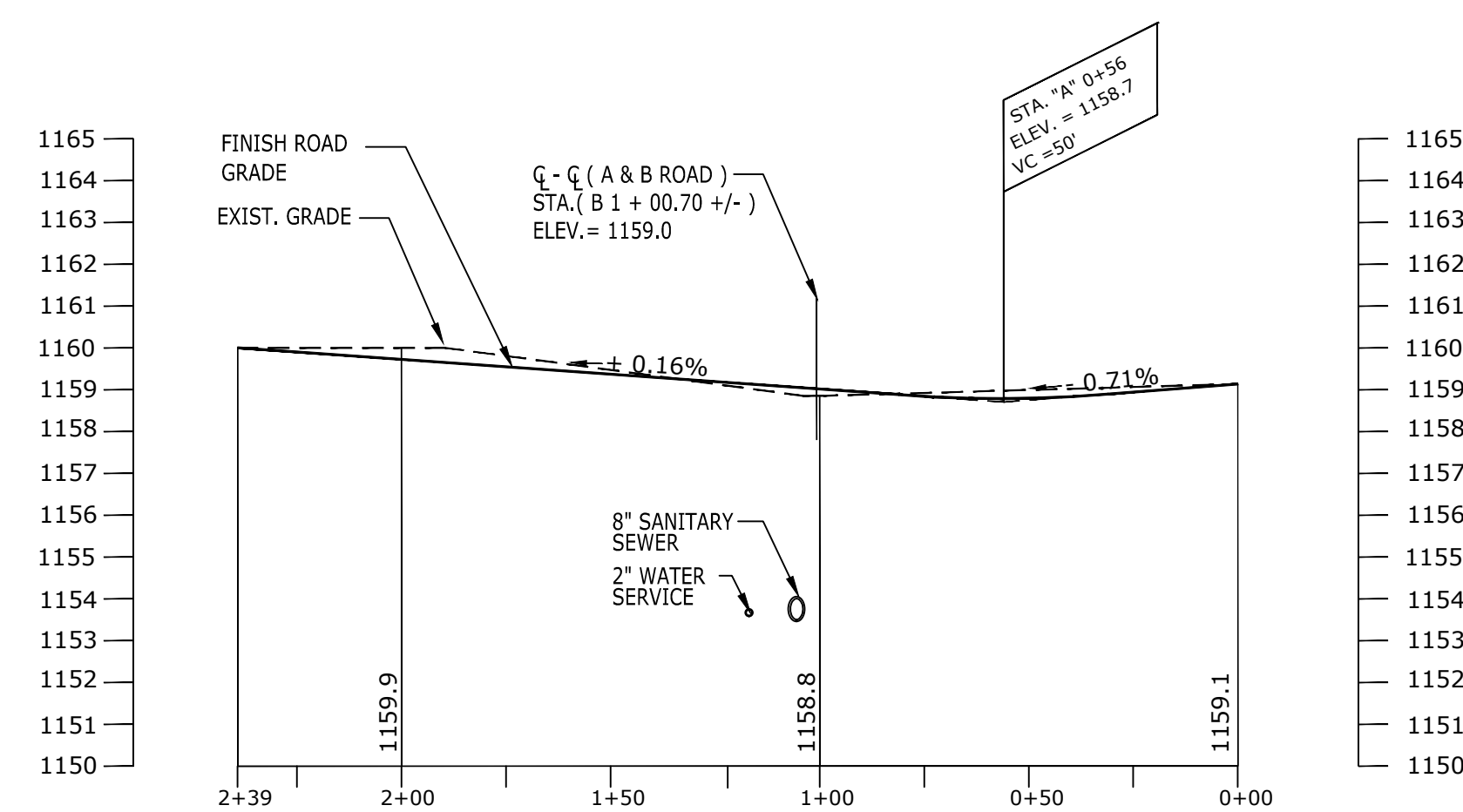
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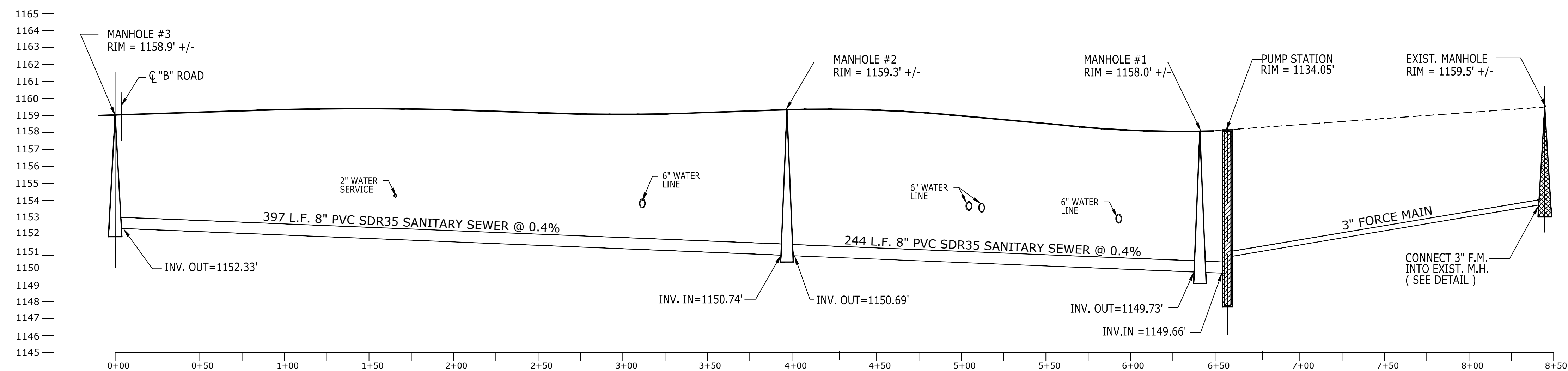
ST-3



"A" ROAD PROFILE : VERT.= 10x HOR.



"B" ROAD PROFILE : VERT.= 10x HOR.



SANITARY SEWER PROFILE : VERT.= 10x HOR.

ROAD & SANITARY SEWER PROFILES

CORNERSTONE PROPERTIES
CORTLAND, LLC
14 HICKORY LANE
CORTLAND, N.Y. 13045

PROP. WOODLAND COURT APTS.
NYS RTE 13 (TOMPKINS ST)
CORTLANDVILLE (T), N.Y.



TIMOTHY C. BUHL, P.E.

DATE: AUG., 2020
SCALE: 1"=40'
DRAWN: MB
JOB:
SHEET:

ST-5