

CLEARED AND GRADED.

13. ALL GRADED SLOPES SHALL NOT EXCEED 1 VERTICAL ON 2 HORIZONTAL UNLESS OTHERWISE APPROVED BY THE TOWN

GENERAL NOTES:

PRODUCTS, INC. OR APPROVED EQUAL SHALL BE USED FOR THE CONSTRUCTION OF THE PVC SEWER SYSTEM.

4. SEWERS CROSSING WATER MAINS SHALL BE LAID TO PROVIDE A MINIMUM VERTICAL DISTANCE OF 18 INCHES BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF THE SEWER. THIS SHALL BE THE CASE WHERE THE WATER MAIN IS EITHER ABOVE OR BELOW THE SEWER. THE CROSSING SHALL BE ARRANGED SO THAT THE SEWER JOINTS WILL BE EQUIDISTANT AND AS FAR AS POSSIBLE FROM THE WATER MAIN JOINTS. WHERE A WATER MAIN CROSSES UNDER A SEWER, ADEQUATE STRUCTURAL SUPPORT SHALL BE PROVIDED FOR THE

5. SANITARY SEWER SERVICE LINES SHALL BE TESTED IN CONJUNCTION WITH THE SEWER MAINS TO THE PROPERTY LINE OR EASEMENT LINE IN ACCORDANCE WITH THE ATEST WESTCHESTER COUNTY DEPARTMENT OF HEALTH

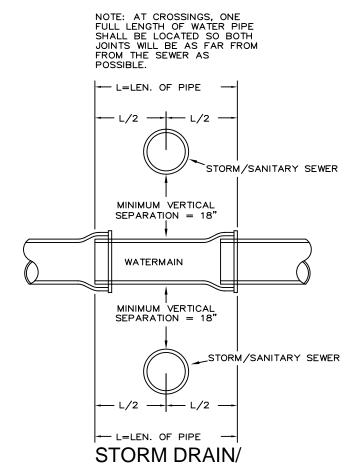
6. TESTING OF THE MANHOLES WITH THE PIPELINE SHALL NOT BE PERMITTED. MANHOLES & SANITARY SEWER LINES SHALL BE TESTED INDEPENDENTLY OF EACH OTHER.

8. AIR & VACUUM TESTING MAY BE PERFORMED ON THE SANITARY SEWER LINES AND MANHOLES IN LIEU OF HYDROSTATIC TESTING. AIR TESTING OF THE SANITARY SEWER LINES SHALL BE IN ACCORDANCE WITH ASTM F1417-92 ASTANDARD TEST METHOD FOR INSTALLATION ACCEPTANCE OF PLASTIC GRAVITY SEWER LINES USING LOW-PRESSURE AIR®. VACUUM TESTING OF THE MANHOLES SHALL BE IN ACCORDANCE WITH THE LATEST RELEASE OF ATTACHMENT B AVACUUM TESTING OF ANHOLES@ FROM THE WESTCHESTER COUNTY DEPARTMENT OF HEALTH.

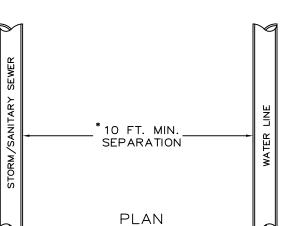
ALL REQUIRED APPROVALS BY GOVERNING AGENCIES SHALL BE PROVIDED TO THE TOWN OF CORTLANDT PRIOR TO THE START OF CONSTRUCTION.

SANITARY SEWER MAIN SYSTEM BY A PERSON OR FIRM QUALIFIED TO PRACTICE PROFESSIONAL ENGINEERING IN THE STATE OF NEW YORK.

11. THE OWNER APPLICANT SHALL BE RESPONSIBLE FOR PROVIDING THREE (3) COPIES OF AS-BUILT DRAWINGS AND ONE (1) MYLAR SIGNED AND SEALED BY A LICENSED NEW YORK LAND SURVEYOR AND A COPY OF THE AS-BUILT PLAN IN AUTOCAD RELEASE TO THE TOWN OF CORTLANDT AT THE COMPLETION OF CONSTRUCTION.



SANITARY SEWER



Sewers shall be laid at least 10 feet (3.0 m) horizontally from any existing or proposed water main. The distance shall be measured edge to edge. In cases where it is not practical to maintain a ten foot separation, the appropriate reviewing agency may allow deviation on a case—by—case basis, if supported by data from the design engineer. Such deviation may allow installation of the sewer closer to a water main, provided that the water main is in a separate trench or on an undisturbed earth shelf located on one side

STORM SEWER/WATER SEPARATION N.T.S.

SCHOOL DISTRICT: HENDRICK HUDSON NEAREST SCHOOL: BLUE MOUNTAIN MIDDLE SCHOOL (0.6 MILES)

FIRE DISTRICT: MOHEGAN LAKE FIRE DISTRICT **NEAREST FIREHOUSE: 3 MILES**

NEAREST PARK: BLUE MOUNTAIN (ADJACENT)

- 1. WETLAND BOUNDARY FLAGGED BY STEVE COLEMAN ON JANUARY 8, 2006 AND LOCATED BY RALPH G. MASTROMONACO, PE PC ON JANUARY 25, 2006.
- 2. NYSDEC CONFIRMED WETLAND BOUNDARY ON MAY 19,
 - TOWN OF CORTLANDT NOTES: 1. ALL SEWER MAINS & SEWER SERVICES SHOWN ON THESE PLANS SHALL BE POLYVINYL CHLORIDE (PVC) SDR35 OR
 - 2. HEAVY-DUTY WHITE FITTINGS AS MANUFACTURED BY GPK

3. SEWERS SHALL BE LAID AT LEAST 10 FEET HORIZONTALLY FROM ANY EXISTING OR PROPOSED WATER MAIN. THE DISTANCE SHALL BE MEASURED EDGE TO EDGE. IN CASES WHERE IT IS NOT PRACTICAL TO MAINTAIN A 10 T SEPARATION, THE WESTCHESTER COUNTY DEPARTMENT OF HEALTH MAY ALLOW DEVIATION ON A CASE—BY—CASE BASIS, IF SUPPORTED BY DATA FROM THE DESIGN ENGINEER.

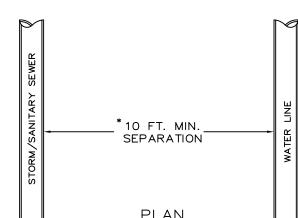
RULES & REGULATIONS.

7. MANHOLES & SANITARY SEWER LINES SHALL BE TESTED OF HEALTH RULES & REGULATIONS IN THAT THE INFILTRATION/EXFILTRATION SHALL NOT EXCEED ONE HUNDRED (100) GALLONS/INCH DIAMETER OF PIPE/MILE/DAY.

10. THE OWNER/APPLICANT SHALL BE RESPONSIBLE FOR ACQUIRING SUPERVISION OF THE CONSTRUCTION OF THE

12. COPIES OF ALL CERTIFICATIONS, TESTING RESULTS, COMPLETED WORKS, ETC. SHALL BE PROVIDED TO TOWN OF CORTLANDT AT THE COMPLETION OF CONSTRUCTION.

WATER MAIN CROSSING



main is at least 18 inches (46 cm) above the top of the

. THE CONTRACTOR SHALL LOCATE AND VERIFY IN THE FIELD ALL UTILITIES — GAS, WATER, ELECTRICAL BEFORE THE START OF CONSTRUCTION. CONTRACTOR SHALL CALL CODE 753 (FORMERLY CODE 53).
THE INSTALLATION OF WATER AND SEWER SHALL BE UNDER THE

DIRECTION OF A N.Y. STATE LICENSED PROFESSIONAL ENGINEER.

3. AS BUILT PLANS SHALL BE REQUIRED AND CERTIFIED BY A N.Y.STATE LICENSED PROFESSIONAL ENGINEER N.Y.STATE LICENSED

SURVEYOR. SURVEYOR.

4. ALL PROPERTY DISTURBED IN THE R.O.W. OR ON PRIVATE LANDS, SHALL BE RESTORED TO NEW CONDITIONS.

5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL APPLICATIONS AND PERMITS REQUIRED FOR CONSTRUCTION.

6. THE ROAD AND UTILITIES SHALL BE STAKED IN THE FIELD BY A N.Y. STATE LICENSED SURVEYOR OR ENGINEER.

7. UNDERGROUND GAS AND ELECTRIC SHALL BE AS REQUIRED BY THE TOWN AND CON EDISON

UNDERGROUND GAS AND ELECTRIC SHALL BE AS REQUIRED BY THE TOWN AND CON EDISON.

TELEPHONE AND CABLE LINES TO BE UNDERGROUND.

WATER MAIN CONSTRUCTION SHALL BE AS REQUIRED BY THE TOWN OF CORTLANDT WATER DEPARTMENT.

OF ALL DRAINAGE PIPE TO BE HDPE UNLESS OTHERWISE NOTED.

PROVIDE HILLSIDE DRAINS WHERE REQUIRED BY THE TOWN FRIGHERE

THE AREA SHOWN WITHIN THE SIGHT EASEMENTS IS TO BE

14. ALL STRUCTURES TO BE PLACED IN PAVED AREAS SHALL BE DESIGNED FOR H-20 LOADING.
THE CONTRACTOR SHALL PROVIDE AS-BUILT DRAWINGS OF WATER AND SEWER INSTALLATIONS AND WATER AND SEWER AS—BUILT PROFILES AS REQUIRED BY THE WESTCHESTER COUNTY

DEPARTMENT OF HEALTH. ANY FILL IMPORTED TO THE SITE SHALL BE TESTED AND ALL RESULTS SUBMITTED TO THE TOWN PRIOR TO IMPORTING AND

17. ALL FOOTINGS SHALL BE A MINIMUM OF 3'-6" BELOW FINISHED 18. ALL PROPOSED OR DISTURBED SLOPES 3 ON 1 OR GREATER SHALL REQUIRE THE PLACEMENT OF AN EROSION CONTROL BLANKET.

(CURLEX SIMPLEX 1 AS MANUFACTURED BY AMERICAN EXCELSIOR OR APPROVED EQUAL)

19. ALL PROPOSED WALLS 3 FEET OR GREATER IN HEIGHT SHALL

REQUIRE A SEPARATE BUILDING PERMIT INCLUDING SIGNED AND SEALED CALCULATIONS AND DETAILS. THE PROPOSED UTILITY EASEMENTS SHALL BE CLEARED AND THE TRAVELED WAY WITHIN THE EASEMENT CONSTRUCTED SO AS SAFE ACCESS BY MAINTENANCE EQUIPMENT AND PERSONNEL CAN BE

TREES, SHRUBS, PLANTINGS, ETC ARE PROHIBITED WITHIN THE SIGHT DISTANCE EASEMENT, UTILITY EASEMENTS, AND ROW AREAS. **WATERMAIN NOTES:**

. ALL METHODS, MATERIALS, FITTINGS, DEVICES, DIMENSIONAL REQUIREMENTS AND PROCEDURES NECESSARY TO COMPLETE THE WORK SHOWN HEREON SHALL MEET THE APPROPRIATE CURRENT AWWA SPECIFICATIONS IN EFFECT AS WELL AS ALL REQUIREMENTS DEEMED APPLICABLE BY THE WESTCHESTER COUNTY HEALTH DEPARTMENT OR ANY OTHER GOVERNMENTAL BODY HAVING

JURISDICTION OVER SAID WORK 2. ALL WATER MAIN PIPE SHALL BE 8" CEMENT LINED, TYTON JOINT

CLASS FIFTY—FOUR (54) DUCTILE IRON PIPE. ALL MECHANICAL JOINT FITTINGS FOR THE WATER MAIN SHALL HAVE RETAINER

GLANDS AND UTILIZE TWO BRONZE WEDGES PER JOINT.

3. ALL PIPE FITTINGS SHALL BE DUCTILE IRON UNLESS NOTED OTHERWISE. NO COMPACT FITTINGS SHALL BE USED.

4. ALL GATE VALVES SHALL BE "MUELLER" OR APPROVED EQUAL, IRON BODY, RESILIENT WEDGE, NON-RISING STEM-CONVENTIONAL PACKING, BRONZE MOUNTED, DOUBLE DISC TYPE WITH MECHANICAL JOINT CONNECTIONS. OPENING SHALL BE LEFT (CCW) AND OPERATION SHALL BE BY 2" SQUARE WRENCH NUT. MINIMUM

OPERATION SHALL BE BY 2" SQUARE WRENCH NUT. MINIMUM WORKING PRESSURE SHALL BE 200 PSI.

5. ALL VALVE BOXES SHALL BE TWO—PIECE SLIDING BUFFALO TYPE SET ON BRICK BLOCKS POSITIONED PERPENDICULAR TO THE PIPE AND ON COMPACTED BACKFILL.

6. ALL CHANGES IN PIPE LINE DIRECTION, BOTH HORIZONTAL AND VERTICAL SHALL BE TIE—RODDED AND THRUST BLOCKED WITH CONCRETE AGAINST UNDISTURBED EARTH AS DIRECTED BY THE ENCIRCULAR OF THE STATE OF THE SENTENCE OF THE S

7. ALL FIRE HYDRANTS SHALL BE "MUFILER" CENTURION WITH SAFETY BREAK-AWAY FLANGE, 3-WAY, OPENING LEFT (CCW). THE PUMPER NOZZLE SHALL BE 4 ½", THE TWO HOSE NOZZLES SHALL BE 2 ½". WHERE WATER MAIN CROSSES BELOW A CULVERT OR OTHER

ENGINEER. THRUST BLOCKS SHALL BE AS PER TOWN OF

CONDUIT, CONCRETE SUPPORT BLOCKS SHALL BE PLACED ON BOTH SIDES OF WATER MAIN TO ELIMINATE ANY IMPOSED LOADING ON WATER MAIN FROM THE CULVERT OR OTHER CONDUIT.
FLUSH OUT ALL WATER MAINS AND APPURTENANCES AS DIRECTED
BY THE ENGINEER UNTIL THE WATER RUNS CLEAN AND FREE OF
RUST AND DIRT. PRESSURIZE ALL LINES AND APPURTENANCES FOR
FORTY-EIGHT (48) HOURS, OR AS DIRECTED BY THE ENGINEER, TO FORTY-EIGHT (48) HOURS, OR AS DIRECTED BY THE ENGINEER, TO REVEAL ANY LEAKS OR BROKEN PIPE. THIS SHALL ALL BE DONE EITHER AS A TOTAL PROJECT OR BETWEEN VALVED SECTIONS AS DIRECTED BY THE ENGINEER. IF PRESSURE TESTING REVEALS ANY LEAKS OR DIFFICULTIES THE CONTRACTOR SHALL PROMPTLY UNCOVER THE LEAK OR BROKEN PIPE AND IMMEDIATELY REPAIR AND RETEST SAME. THIS SHALL BE REPEATED AS MANY TIMES AS MAY BE REQUIRED TO DEMONSTRATE A TIGHT LINE TO THE SATISFACTION OF THE ENGINEER. THE NEW WATERMAIN AND APPURTENANCES SHALL BE PRESSURE TESTED IN ACCORDANCE WITH THE LATEST REVISION OF AWWA C-600 AND WESTCHESTER

WITH THE LATEST REVISION OF AWWA C-600 AND WESTCHESTER COUNTY DEPARTMENT OF HEALTH RULES AND REGULATIONS.

10. WESTCHESTER COUNTY DEPARTMENT OF HEALTH MUST BE NOTIFIED FORTY-EIGHT (48) HOURS PRIOR TO PRESSURE TESTING. 11. ALL WATER MAINS AND APPURTENANCES SHALL BE DISINFECTED TO THE SATISFACTION OF THE ENGINEER, AND IN ACCORDANCE WITH THE STANDARDS OF THE WESTCHESTER COUNTY DEPT. OF HEALTH.

THIS SHALL ALSO BE DONE IN ACCORDANCE WITH AWWA C651-99 (OR LATEST EDITION) EXCEPT THAT THE PROCEDURE IN SECTION 4.4.2 WILL NOT BE ALLOWED. RESULTS FROM A MINIMUM OF TWO (2) BACTERIOLOGICAL TESTS TAKEN TWENTY-FOUR (24) HOURS

APART ARE REQUIRED TO BE SUBMITTED TO WCDOH AS PART OF CERTIFICATION OF CONSTRUCTION. RESULTS MUST BE ACCEPTED BY WCDOH PRIOR TO USE OF MAIN.

12. NEW HYDRANT DRAINS SHALL BE PLUGGED AT LOCATIONS WHERE THE GROUND WATER TABLE IS WITHIN 7 FEET OF FINISHED GRADE. AT SUCH LOCATIONS HYDRANT BARRELS SHALL BE PUMPED DRY AFTER FACH USE AFTER EACH USE.

13. THE CONTRACTOR SHALL NOTIFY THE CORTLANDT CONSOLIDATED WATER DISTRICT 48 HOURS PRIOR TO COMMENCING WORK ON THEIR UTILITIES FOR WATER SHUTDOWNS.

ALL RESIDENTS AFFECTED BY WATER SHUTDOWNS SHALL BE NOTIFIED BY THE CONTRACTOR, IN WRITING A MINIMUM OF 24 HOURS PRIOR TO SHUTDOWNS. NOTICE SHALL INCLUDE APPROXIMATE TIME SHUTDOWN WILL BEGIN AND THE LENGTH OF THE SHUT DOWN.

15. A 10 FT. (MIN.) SEPARATION SHALL BE MAINTAINED BETWEEN WATER AND SEWER AND ALL UTILITIES, WHERE PRACTICABLE.

16. A MINIMUM COVEROF 4'-0" SHALL BE MAINTAINED OVER THE WATERMAIN

17. TWO (2) BRONZE WEDGES SHALL BE INSTALLED AT EVERY

SANITARY SEWER NOTES:

SANITARY SEWERS ARE TO BE OF 8" SDR 35 PVC OR 8" CLASS 52 DIP WHERE SHOWN IN THE PLANS OR IF REQUIRED BY THE TOWN ENGINEER DUE TO LOADING CONDITIONS.

SANITARY MANHOLES SHALL BE PRECAST IN ACCORDANCE WITH APPROVED STANDARDS AND SHALL BE SPACED A MAXIMUM DISTANCE OF 400' ON STRAIGHT RUNS AND INSTALLED AT EVERY CHANGE IN ALIGNMENT AND DIFFERENCE IN ELEVATION OF INCOMING AND OUTGOING SEWERS. MANHOLE POSITIONING SHALL BE AS TO PREVENT THE ENTRANCE OF SURFACE WATER DURING STORMS.

ALL BUILDING SEWER CONNECTIONS SHALL HAVE A CLEANOUT INSTALLED

AT THE PROPERTY LINE AND/OR EASEMENT LINE AT TIME OF CONSTRUCTION.

4. LEAKAGE OUTWARD OR THE INFILTRATION SHALL NOT EXCEED ONE HUNDRED (100) GALLONS PER INCH OF SEWER PIPE DIAMETER PER MILE PER DAY FOR ANY SECTION OF THE SEWERAGE SYSTEM AND MANHOLES.

INFILTRATION, EXFILTRATION AND VISUAL TESTS BY MEANS OF LIGHT FLASHING BETWEEN MANHOLES SHALL BE AS PER REQUIREMENTS OF TOWN ENGINEER. NO TESTS SHALL BE MADE UNTIL TWO (2) WEEKS AFTER BACKFILLING OF SANITARY SEWERS OR LONGER IF CONDITIONS, IN THE OPINION OF THE TOWN ENGINEER, WARRANT IT.

6. ALL HOUSE LATERALS TO BE INSTALLED BY PLUMBERS, LICENSED IN THE TOWN OF CORTLANDT AND ALL WORK SHALL BE INSPECTED BEFORE

TOWN OF CURILANDI AND OLL HOLL BACKFILLING.

7. SANITARY SEWER CONSTRUCTION SHALL MEET ALL SEWER CONSTRUCTION SPECIFICATIONS FOR THE TOWN OF CORTLANDT

8. ALL SANITARY SEWER SHALL HAVE A MINIMUM COVER OF 4 FEET, AND ALL SANITARY SEWER SERVICE CONNECTIONS SHALL HAVE A MINIMUM

COVER OF 3.5 FEET.

9. WESTCHESTER COUNTY DEPARTMENT OF HEALTH MUST BE NOTIFIED

FOURTY-EIGHT (48) HOURS PRIOR TO ANY LEAKAGE TESTING. 10. EXFILTRATION/INFILTRATION LEAKAGE TESTS SHALL NOT EXCEED 100 GALLONS PER INCH OF DIAMETER PER MILE PER DAY. HYDROSTATIC TESTS SHALL BE PERFORMED UNDER A MINIMUM POSITIVE HEAD OF 2 FEET (5 FEET FOR WCDEF SEWERS). LOW PRESSURE TESTING IS PERMITTED FOR PIPE LINES AND SHOULD CONFORM TO ASTM C-828. VACUUM TESTING IS PERMITTED FOR MANHOLES BUT NOT PERMISSABLE FOR PIPELINES.

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OR STAPLES, POSTS SHALL BE STEEL EITHER "T" OR "U" TYPE OR HARDWOOD, 2. FILTER CLOTH TO BE TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE SHALL BE WOVEN WIRE, 12 1/2 GAUGE, 6" MAXIMUM MESH OPENING 3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVER-LAPPED BY SIX INCHES AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFI 100X, STABILINKA T140N, OR APPROVED EQUIVALENT. 4. PREFABRICATED UNITS SHALL BE GEOFAB, ENVIROFENCE, OR APPROVED EQUIVALENT. 5. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMO∨ED WHEN "BULGES" DEVELOP IN THE SILT FENCE. U.S. DEPARTMENT OF AGRICULTURE NATURAL RESDURCES CONSERVATION SERVICE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION NEW YORK STATE SOIL & WATER CONSERVATION COMMITTEE

PERSPECTIVE VIEW

EMBED FILTER CLOTH

A MIN. OF 6" IN GROUND.

WOVEN WIRE FENCE (MIN. 14 -

1/2 GAUGE W/ MAX, 6" MESH

SPACING) WITH FILTER CLOTH

36" MIN. FENCE POST —

COMPACTED SOIL ---

FLOW

CONSTRUCTION SPECIFICATIONS

WOVEN WIRE FENCE

16"MIN.

SECTION VIEW

(MIN. 14 1/2 GAUGE

W/ MAX. 6" MESH

SPACING)

. WO∨EN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES SILT FENCE

SYMBOL

36" MIN. LENGTH FENCE

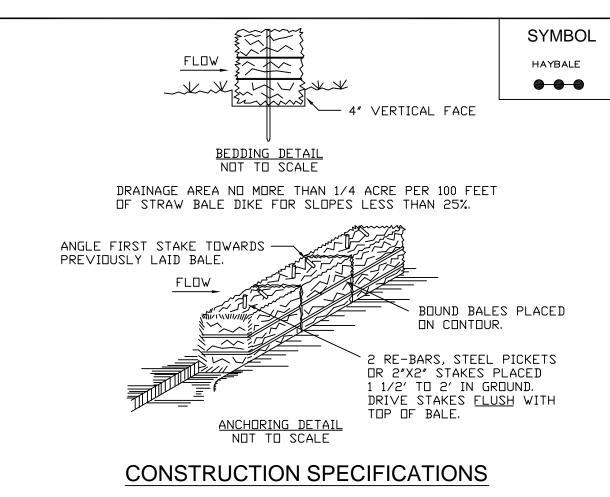
POSTS DRIVEN MIN. 16"

INTO GROUND.

= 16" MIN.

HEIGHT OF FILTER

- UNDISTURBED GROUND



1. BALES SHALL BE PLACED AT THE TOE OF A SLOPE OR ON THE CONTOUR AND IN A ROW WITH ENDS TIGHTLY ABUTTING THE ADJACENT BALES.

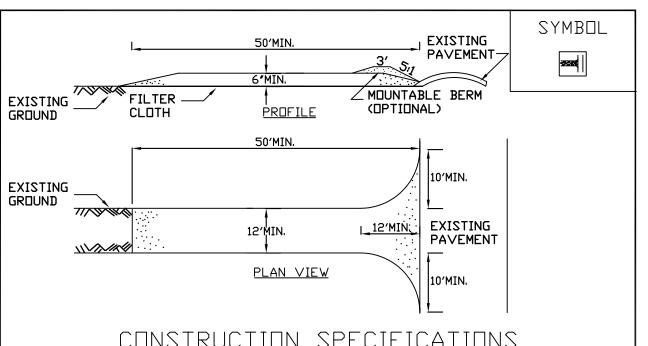
2. EACH BALE SHALL BE EMBEDDED IN THE SOIL A MINIMUM OF (4) INCHES, AND PLACED SO THE BINDINGS ARE HORIZONTAL.

3. BALES SHALL BE SECURELY ANCHORED IN PLACE BY EITHER TWO STAKES OR RE-BARS DRIVEN THROUGH THE BALE. THE FIRST STAKE IN EACH BALE SHALL BE DRIVEN TOWARD THE PREVIOUSLY LAID BALE AT AN ANGLE TO FORCE THE BALES TOGETHER. STAKES SHALL BE DRIVEN FLUSH WITH THE BALE.

4. INSPECTION SHALL BE FREQUENT AND REPAIR REPLACEMENT SHALL BE MADE PROMTLY AS NEEDED.

5. BALES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFULLNESS SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.

U.S. DEPARTMENT OF AGRICULTURE STRAW BALE NATURAL RESDURCES CONSERVATION SERVICE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION



CONSTRUCTION SPECIFICATIONS

1. STONE SIZE - USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT. 2. LENGTH - NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY).

3. THICKNESS - NOT LESS THAN SIX (6) INCHES. 4. WIDTH - TWELVE (12) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT PDINTS WHERE INGRESS OR EGRESS OCCURS. TWENTY-FOUR (24) FOOT IF SINGLE

ENTRANCE TO SITE. 5. FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING

OF STONE 6. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CON-STRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE, IF PIPING IS

IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY, ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACTED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.

8. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON A AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.

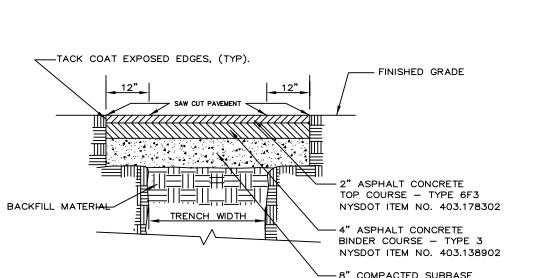
9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH

U.S. DEPARTMENT OF AGRICULTURE

STABILIZED CONSTRUCTION **ENTRANCE**

NATURAL RESOURCES CONSERVATION SERVICE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION NEW YORK STATE SOIL & WATER CONSERVATION COMMITTEE

DIKE NEW YORK STATE SOIL & WATER CONSERVATION COMMITTEE



COURSE NYSDOT ITEM 304.14 PAVEMENT REPLACEMENT DETAIL

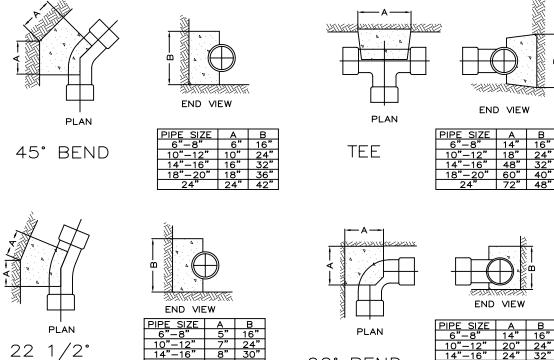
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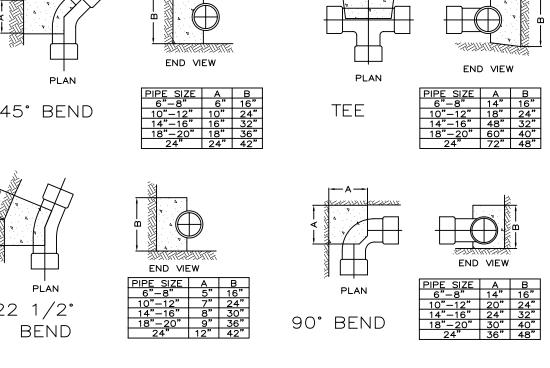
"MUELLER" SUPER CENTURION 250 MODEL A-423 W/

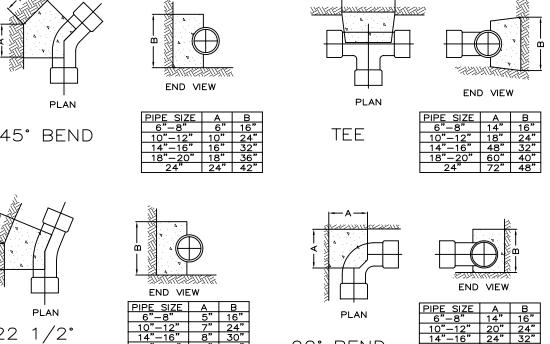
UNAUTHORIZED ALTERATIONS OR ADDITIONS TO THIS

DRAWING IS A VIOLATION OF SECTION 7209 (2) OF THE

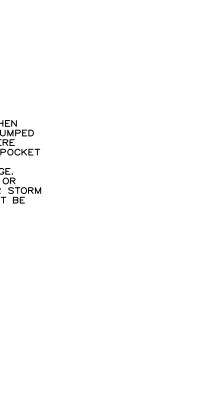
NEW YORK STATE EDUCATION LAW.







THRUST BLOCKS N.T.S.



TOP OF PAVEMENT

CORPORATE STOP MUELLER H-15008

OR APPROVED EQUAL

4'-0" COVER (MIN.)

COPPER WATER SERVICE

WITH NO JOINTS BETWEEN WATER MAIN AND CURB STOP.

BLOCKING -

IP WATER MAIN WATER SERVICE NOTES: THE WATER LINE TAP SIZE SHALL BE DETERMINED
 AT THE TIME A WATER TAP PERMIT IS OBTAINED FROM THE TOWN OF CORTLANDT WATER DEPARTMENT. 2. ALL WATER TAPS (INCLUDING CURB BOXES) AND UTILITY SLEEVES MUST BE INSTALLED PRIOR TO PAVING. WATER SERVICE CONNECTION N.T.S.

ITEM 4

UNDISTURBED

WATERMAIN BEDDING

N.T.S.

AS ESTABLISHED

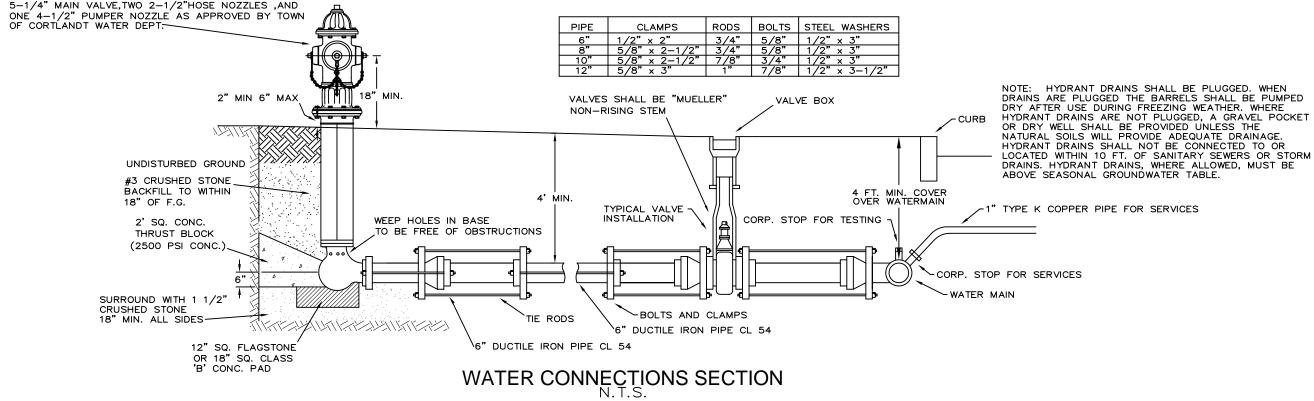
MUELLER OR APPROVED

OF CRUSHED STONE UNDER DRAIN OPENING

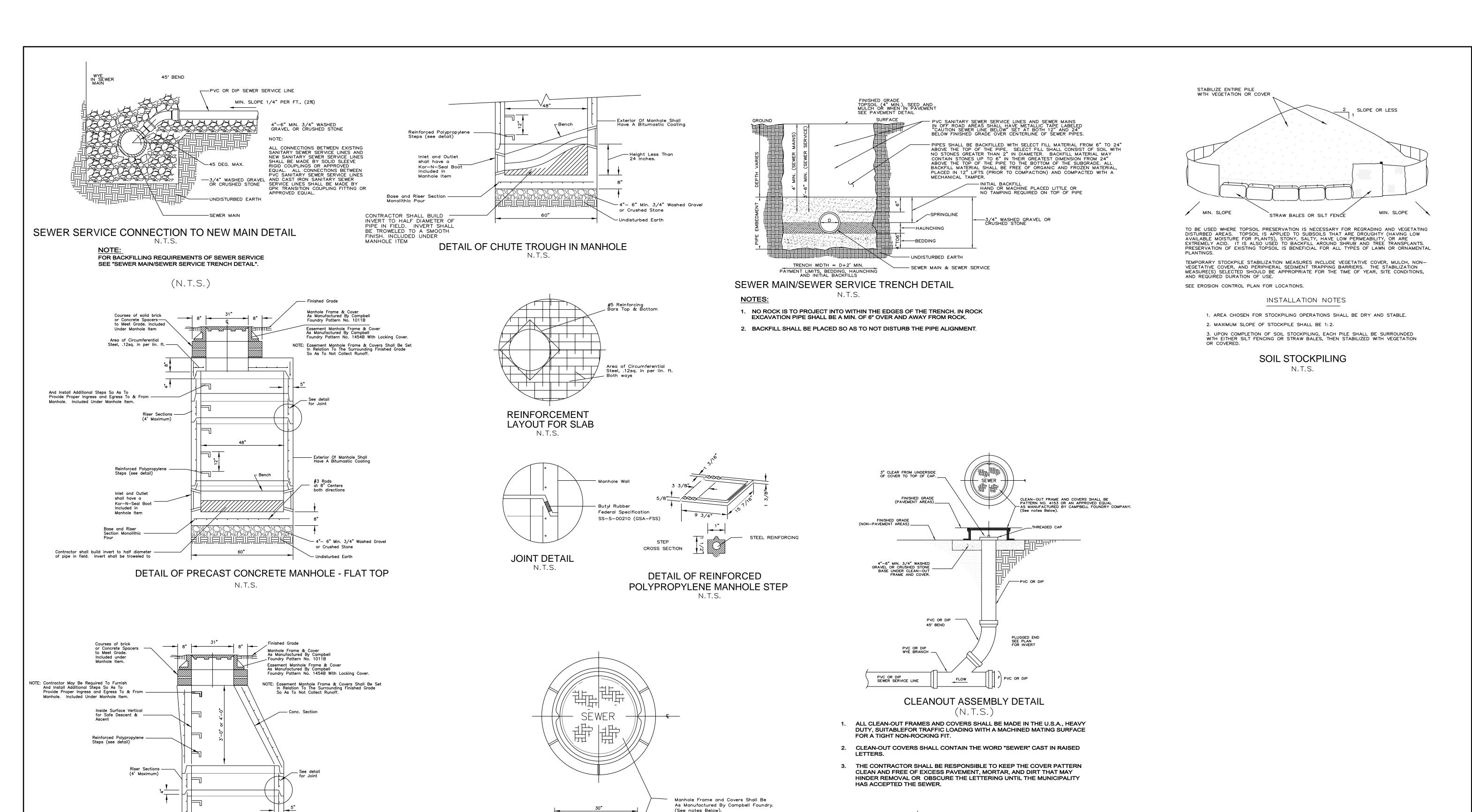
CURB STOP AND DRAIN MUELLER H-15219 OR

APPROVED EQUAL

4' MIN. OR AS DIRECTED







MANHOLE FRAME AND COVER

N.T.S.

1. ALL MANHOLE FRAMES AND COVERS SHALL BE MADE IN THE U.S.A., HEAVY DUTY, SUITABLE FOR TRAFFIC LOADING WITH A MACHINED MATING SURFACE FOR A TIGHT NON-ROCKING

MANUFACTURED BY CAMPBELL CAMPBELL FOUNDRY, MODEL NO. 1011B. COVERS SHALL CONTAIN TWO WATERTIGHT CONCEALED PICKHOLES, AND THE WORD

LOCKING MECHANISM, CONTAIN TWO WATERTIGHT CONCEALED PICKHOLES, AND

MANUFACTURED BY CAMPBELL FOUNDRY, MODEL NO. 1454B. COVERS SHALL HAVE A

A. STANDARD MANHOLE COVERS - SHALL BE SOLID NON-VENTED CASTINGS AS

B. EASEMENT MANHOLE COVERS - SHALL BE SOLID NON-VENTED CASTINGS AS

THE WORD "SEWER"/"DRAIN" CAST IN TWO INCH HIGH RAISED LETTERS.

3. THE CONTRACTOR SHALL BE RESPONSIBLE TO KEEP THE COVER PATTERN CLEAN AND

OBSCURE THE LETTERING UNTIL THE MUNICIPALITY HAS ACCEPTED THE SEWER

FREE OF EXCESS PAVEMENT, MORTAR, AND DIRT THAT MAY HINDER REMOVAL OR

"SEWER"/"DRAIN" CAST IN TWO INCH HIGH RAISED LETTERS.

MANHOLE FRAME AND COVER NOTES

2. MANHOLE COVERS:

Exterior Of Manhole Shall Have A Bitumastic Coating

— 4"− 6" Min. 3/4" Washed Gravel

or Crushed Stone

DETAIL OF PRECAST CONCRETE MANHOLE - CONE SECTION

Know what's **below. Call** before you dig.

N.T.S.

#3 Rods — at 8" Centers both directions

Inlet and Outlet

shall have a Kor-N-Seal Boot Included under

Base and Riser Section Monolithic -Pour

UNAUTHORIZED ALTERATIONS OR ADDITIONS TO THIS

DRAWING IS A VIOLATION OF SECTION 7209 (2) OF THE

Contractor shall build invert to half diameter — of pipe in field. Invert shall be troweled to

a smooth finish. Included under Manhole Item

NEW YORK STATE EDUCATION LAW.

DITION AD RMITOR

Concrete Invert Trowel Finished. Half Pipe Diameter. Full Width

SECTION

Existing Manhole (Base)

Existing Sewer Main

1" per ft

TYPICAL DETAIL OF TIE IN TO EXISTING MANHOLE

Center Line of Pipe

watertight seal around new pipe

at connection to existing manhole

Concrete Invert and Bench. Trowel Finished. Half Pipe Diameter. Full Width

Contractor shall provide a watertight seal at connection

Pipe Alignment Varies and is Dependent on Field Conditions.

N.T.S

Manhole (Base)

Pipe Alignment Varies —

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ENGINEERING

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