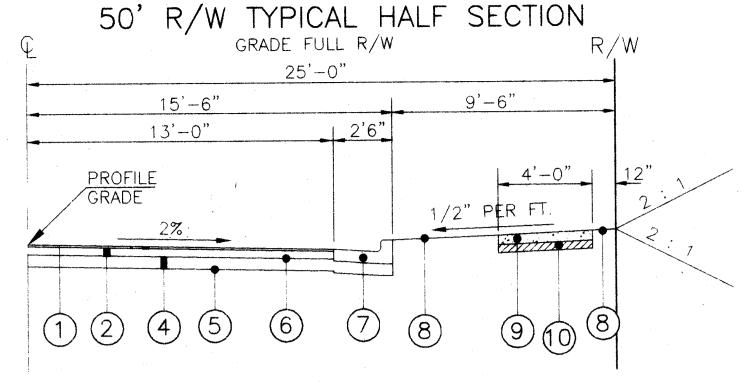
GENERAL NOTES

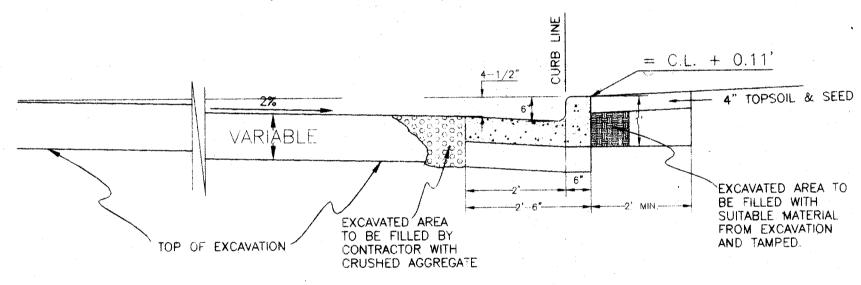
- CONTRACTOR SHALL CHECK DETAIL DRAWINGS FOR MINIMUM GRADE AND BACKFILL
- REQUIREMENTS. ALL COMBINATION CONCRETE CURB AND GUTTER TO BE MASSILLON STANDARD EXCEPT WHERE VARIATIONS ARE TO BE EXTENDED OR MET - SEE SPECIFICATION BOOK AND
- EXCAVATION FOR COMBINATION CONCRETE CURB AND GUTTER SHALL BE INCLUDED IN
- THE COST PER LINEAL FOOT OF SAID CURB AND GUTTER. ALL COMBINATION CONCRETE CURB AND GUTTER TO BE CONSTRUCTED BEFORE EXCAV
- VATION IS STARTED, WHEN EXCAVATION DOES NOT EXCEED 1'-0" IN DEPTH. ROADWAY EXCAVATION TO BE 2" TO 4" BELOW FINISHED GRADE OF STREET AT THE
- DISCRETION OF THE CITY ENGINEER. ALL CATCH BASINS AND MANHOLES TO BE ADJUSTED TO GRADE WHERE NECESSARY ALL CONCRETE TO BE 1:2; 4-6 BAG MIX. 28 DAY - 3000 PSI COMPRESSIVE STRENGTH;
- MAX. SLUMP TO BE 4". CONTRACTOR SHALL PAY INSPECTOR(S) AT THE RATE OF TIME AND ONE HALF OF REGULAR RATE AFTER 4:30 P.M. MONDAY THRU FRIDAY. SATURDAYS ALL DAY AT TIME
- AND ONE HALF ALL MATERIALS USED WILL BE NEW - NO SALVAGED MATERIAL WILL BE ACCEPTED
- IF CONTRACTOR EXCAVATES DEEPER THAN NECESSARY FOR CURB AND GUTTER, CONTRACTOR WILL FURNISH ODOT 304 AGGREGATE AND TAMP BEFORE CURB AND
- GUTTER IS CONSTRUCTED. IF SUBGRADE IS UNSUITABLE, CONTRACTOR WILL EXCAVATE AND REPLACE SUCH MAT-ERIAL WITH CRUSHED RUN GRAVEL, AT THE DISCRETION OF THE INSPECTOR OR CITY ENGINEER. THIS FILL TO BE PLACED IN 6" LAYERS OR LESS: SAID FILL TO BE COMPACTED TO 95% MAXIMUM LABORATORY DRY WEIGHT BEFORE ANY ADDITIONAL LAYERS ARE ADDED. CONTRACTOR WILL BE PAID FOR EXTRA GRAVEL AND EXCAVATION. THIS COMPACTION TO BE DONE BEFORE FORMS ARE PLACED.
- ALL EXTRA PAY ITEMS WILL HAVE THE APPROVAL OF THE BOARD OF CONTROL BEFORE EXTRA ITEMS ARE INSTALLED.
- CONTRACTOR TO BACKFILL CURB IMMEDIATELY AFTER CURB HAS BEEN IN PLACE FOR
- CONTRACTOR WILL NOTIFY ENGINEER WHEN HE IS IN NEED OF CONSTRUCTION STAKES AND THIS OFFICE WILL COMPLY WITHIN A PERIOD OF 48 HOURS.
- CIRCLE CURB WHEN RADIUS IS 175 FT. OR LESS.
- ALL STORM SEWER PIPES WITHIN PAVEMENT LIMITS OR WITHIN 5' OF B/C LINE SHALL BE REINFORCED CONCRETE PIPE (ODOT 706.02) (* SEE BELOW) AND SHALL BE TYPE 'B' CONDUIT WITH GRANULAR BACKFILL TO WITHIN 1' OF FINISH GRADE IN ACCORDANCE WITH ODOT 603 CLASS B BEDDING AND GRANULAR BACKFILL; ALL STORM SEWERS NOT WITHIN 5' OF B/C SHALL BE SMOOTH LINED CORRUGATED POLYETHYLENE (ODOT 944) OR REINFORCED CONCRETE PIPE (ODOT 706.02) AND SHALL BE TYPE 'C' CONDUIT IN ACCORDANCE WITH ODOT 603 WITH CLASS B BEDDING AND SUITABLE SOIL BACKFILL.
- * OR SMOOTH LINED CORRUGATED POLYETHYLENE(ODOT 944)
- DOWNSPOUT HEADERS SHALL BE 6" PVC(SDR 21) PIPE (UNLESS OTHERWISE NOTED ON THE PLANS) AND SHALL BE DIRECTLY CONNECTED TO THE STORM SEWER WITH APPROVED TEE OR SADDLE CONNECTION. HEADERS SHALL EXTEND 10' INTO THE LOT.
- CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES BEFORE ANY WORK IS BEGUN. THE CITY OF MASSILLON IS NOT RESPONSIBLE FOR ANY LOST TIME DUE TO UTILITY RELOCATION.
- MANHOLES AND CATCH BASINS SHALL BE CONSTRUCTED IN CONFORMANCE WITH MASSILLON CITY STANDARDS (FILE No. S81) AVAILABLE FROM THE CITY ENGINEER.
- 19. CONTRACTOR SHALL CONTACT CITY OF MASSILLON ENGINEERING DEPT. AT 330-830-1722 AT LEAST 2 DAYS PRIOR TO THE INITIATION OF CONSTRUCTION TO SCHEDULE A PRE-CONSTRUCTION MEETING
- 20. STREET LIGHTING IS REQUIRED. DEVELOPER SHALL CO-ORDINATE WITH ELECTRIC UTILITY COMPANY FOR POLE LOCATION AND TYPE THE DEVELOPER SHALL INSTALL, AT HIS COST, STREET SIGNS REPRESENTING THE NAMES OF ALL STREETS AT ALL INTERSECTIONS. DEVELOPER ALSO RESPONSIBLE FOR STOP SIGNS AND DIRECTIONAL SIGNS AS NECESSARY, ALL SIGNS SHALL CONFORM WITH CITY OF MASSILLON
- THERE IS TO BE NO CONSTRUCTION TRAFFIC UTILIZING EXISTING ROADWAY WITHIN UNIVERSITY VILLAGE PHASE I. ALL CONSTRUCTION TRAFFIC MUST USE THE EXISTING CONSTRUCTION ROAD FROM RICHVILLE DRIVE.



- 1-1/2" ASPHALT CONCRETE SURFACE
- BITUMINOUS AGGREGATE BASE
- 6" AGGREGATE BASE (2-3" COURSES)
- COMPACTED SUBGRADE
- BITUMINOUS PRIME COAT(0.4 GAL/SY)
- MASSILLON STANDARD CURB AND GUTTER (ODOT TYPE 2) ITEM 609
- SEEDING AND MULCHING
- CONCRETE WALK (TO BE PERFORMED BY HOMEBUILDER)
- AGGREGATE BASE UNDER WALK (TO BE PERFORMED

BY HOMEBUILDER)

MASSILLON STANDARD CURB AND GUTTER DETAIL (ODOT TYPE 2)



THE OHIO ENVIRONMENTAL PROTECTION AGENCY SPECIFICATIONS.

SANITARY SEWER TESTING SPECIFICATIONS: -AIR LEAKAGE TEST TO BE PERFORMED ON SEWER LINES. -DEFLECTION TESTING TO BE PERFORMED ON ALL FLEXIBLE PIPE AND NO PIPE SHALL EXCEED A DEFLECTION OF FIVE PERCENT (5%). -WATER TESTING FOR LEAKAGE OF MANHOLES TO BE PERFORMED. ALL TESTING SHALL BE IN ACCORDANCE WITH CITY OF MASSILLON ENGINEERING DEPARTMENT AND

SANITARY SEWER NOTES

1. ALL SANITARY SEWERS AND APPURTENANCES SHALL BE CONSTRUCTED ACCORDING TO MASSILLON CITY ENGINEERING DEPARTMENT SPECIFICATIONS IN EFFECT AT THE TIME OF CONSTRUCTION.

- ROOF DRAINS, FOUNDATION DRAINS AND OTHER CLEAN WATER CONNECTIONS TO THE SANITARY SEWER ARE PROHIBITED.
- FIRST FLOOR ELEVATION FOR BUILDING AT THE BUILDING SETBACK LINE SHALL BE A MINIMUM OF 6" ABOVE STREET CENTERLINE GRADE
- MINIMUM COVER OVER ALL SANITARY SEWER MUST BE 4.0 FEET.
- ALL SANITARY SEWERS. 8" DIAMETER AND LARGER, MUST PASS INTERNAL TELEVISION INSPECTION. THE CONTRACTOR SHALL PROVIDE COMPLETE INTERNAL INSPECTION VIDEOTAPE TO THE SANITARY ENGINEERING DEPARTMENT. THE VIDEOTAPING PROCEDURE MUST BE IN ACCORDANCE WITH STARK COUNTY SANITARY ENGINEERING DEPARTMENT SPECIFICATIONS.
- PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL CONTACT THE CITY OF MASSILLON ENGINEERING DEPT., (330-830-1722) TO SCHEDULE A PRE-CONSTRUCTION MEETING. A MINIMUM OF 72 HOURS NOTICE IS REQUIRED TO SCHEDULE THIS MEETING.
- SANITARY SEWER MAY BE ANY OF THE FOLLOWING MATERIALS, HOWEVER THE COMPLETE SYSTEM MUST BE UNIFORM IN PIPE MATERIAL A. V.C.P. EXTRA STRENGTH A.S.T.M. C-700 WITH COMPRESSION TYPE JOINTS IN CONFORMANCE WITH A.S.T.M. C-425.
 - WELDED PREMIUM JOINTS ASTM D-2680. C. P.V.C. PIPE A.S.T.M. D-3034, S.D.R. 35 MAXIMUM WITH GASKETED PREMIUM JOINTS ASTM D-3212.

B. A.B.S. COMPOSITE PIPE A.S.T.M. D-2680 WITH CHEMICALLY

- A BULKHEAD SHALL BE CONSTRUCTED IN THE EXISTING MANHOLE AT THE ENTRANCE OF THE PROPOSED SEWER PIPE AND REMAIN IN PLACE UNTIL THE NEW SEWER LINE IS COMPLETE, TESTED AND APPROVED BY THE MASSILLON CITY ENGINEER, AT WHICH TIME THE BULKHEAD SHALL BE REMOVED.
- 9. LEAKAGE LIMIT TEST TO BE 100 GAL/IN/MI/DAY.
- 10. MANHOLE AND TRENCHES SHALL BE PER MASSILLON DETAILS DRAWINGS. SANITARY SEWER PIPE TO BE PVC PER ASTM-3034 WITH JOINTS PER ASTM-3212. BEDDING PER ASTM-2321.
- 11. SANITARY SERVICE LATERALS SHALL EXTEND INTO THE LOT 10' BEYOND R/W:

EJIW - 7035/7037 CURB INLET FRAME, GRATE	
5" PRECAST FLAT SLAB TOP FOR 48" DIAMETER &CURB BOX	
B" PRECAST FLAT SLAB TOP FOR 60"-72" DIAMETER (REINFORCED FOR HIGHWAY LOADING)	
2'-0"x 3'-0" SI OPENING G	
PRECAST CONCRETE MANHOLE BASE 2'-0"X 6'-0" DOUBLE OPENING SEE NOTE FOR 30" PIPES & UNDER FOR PIPES OVER 30"	
48"	
*NOTE: FOR TYPE 'A' DOUBLE MODIFIED CB, USE 72" DIA PRE CAST CONCRETE MANHOLE SECTION. EAST JORDAN 7031 DOUBLE INLET FRAME & GRATE SHALL	
BE CENTERED PER DIMENSIONS A & B	
2'-0"X 3'-0" OPENING	
£ ()	
BACK OF CURB LINE	
A = 12" B = 18" *B = 36"	
FLAT SLAB DETAIL FOR TYPE 'A' CATCH BASIN OR APPROVED PRECAST	
2' x 3' BOX W/EJIW 7035/7037 * NOTE: ALTERNATE RECTANGULAR STRUCTURES ARE PERMITTED, AS APPROVED.	

LETTER OF APPROVAL HERETO ATTACHED DESCRIPTION UNIT EARTHWORK SUBGRADE COMPACTION ROADWAY EXCAVATION NOT INCL. EMBANK. CONST. 7845 ROADWAY EMBANKMENT C.Y. BITUMINOUS AGGREGATE BASE(4")
C.Y. 6" AGGREGATE BASE (2-3" COURSES) C.Y. 1-1/2" ASPHALT CONCRETE
GAL. PRIME COAT (0.4 GAL. PER
C.Y. SEAL COAT COVER AGGREGAT 264 PRIME COAT (0.4 GAL. PER SQ. YD.)

SEAL COAT COVER AGGREGATE (0.008 C.Y./SQ.YD.)

SEAL COAT BITUMINOUS MATERIAL (0.3 GAL./SQ. YD.) 408 2539 409 **40**9 STANDARD CITY MONUMENTS (ODOT STANDARD) 604 MASSILLON STANDARD CURB AND GUTTER CONC. CHANNEL(REF. SECT A-A DET. BASIN) 659 608 608 304 SEEDING AND MULCHING (ROADWAY) CURB RAMP (TO BE PERFORMANCE BY HOMEBUILDER) N/A S.F. 4" CONCRETE WALK(TO BE PERFORMANCE BY HOMEBUILDER) C.Y. 4" AGG. BASE UNDER WALK(TO BE PERFORMANCE BY HOMEBUILDER) N/A SANITARY SEWER L.F. 6" SANITARY SEWER PIPE (LATERALS 8" SANITARY SEWER PIPE 1558 EACH 8" x 6" WYES (6) SANITARY MANHOLES (COMPLETE) 54.25 V.F. (-) 8" DROP ATTACHMENT <u>EACH | 8" PLUG & MARKER</u> STORM SEWER STORM SEWER (SEE NOTE 16) TYPE STORM SEWER (SEE NOTE 16) TYPE 507 15" STORM SEWER (SEE NOTE 16) TYPE 805 18" STORM SEWER (SEE NOTE 16) TYPE '
15" STORM SEWER (SEE NOTE 16) TYPE '
24" STORM SEWER (SEE NOTE 16) TYPE ' 30" STORM SEWER (SEE NOTE 16) TYPE 30" STORM SEWER (SEE NOTE 16) TYPE 10" PVC STORM 6" PVC DOWNSPOUT LATERAL EACH | CATCH BASIN TYPE 'A' 604 604 EACH CATCH BASIN TYPE 'A' (MOD EACH CATCH BASIN TYPE 'A' (DBL. 604 CATCH BASIN TYPE 2-2-B CATCH BASIN TYPE 2-2-A 604 604 STORM MANHOLE (COMPLETE STORM SEWER CLEANOUT 604 604 HEADWALL ODOT TYPE 4B 30" DIA. PIPE (MOD. FULL HEIGHT ODOT TYPE 4B 10" DIA PIPE (MOD. FULL HEIGHT 604 HEADWALL DUMPED ROCK CHANNEL PROTECTION TYPE 'C DETENTION BASIN CONCRETE CHANNEL L.S. | EROSION AND SEDIMENT CONTROL AS REQUIRED WATERLINE 4" DUCTILE IRON PIPE, ANSI PRESSURE CLASS 350 W/POLYWRAP 8" DUCTILE IRON PIPE, ANSI PRESSURE CLASS 350 814 2" TYPE 'K' COPPER TUBING OR PVC W/TRACER WIRE 1 1" WATER SERVICE(COMPLETE W/CURB BOX) 814 EACH 8" x 8" MJ CROSS EACH | 8" x 8" MJ TEE EACH 4" GATE VALVE W/BOX EACH 8" GATE VALVE W/BOX 814 814 EACH 2" CURB STOP

EACH "x "TAPPING SLEEV

EACH 8" x 2" TAPPED TEE 8" 11-1/4" BEND 8"-45° BEND CAP W/2" TAP BLOW OFF 8" POJ PLUG W/2" TAP BLOW OFF 814 8" POJ PLUG & MARKER EACH FIRE HYDRANT REMOVED AND RESE EACH FIRE HYDRANT ASSEMBLY, COMPLET EACH WATER SERVICE CONNECTION W/CURB BOX (830'/1") BY CONTRACTOR EACH WATER SERVICE CONNECTION W/CURB BOX (830'/1") BY OTHERS

ESTIMATED QUANTITIES

AS EVIDENCED BY COPY OF

-j Q

APPROVED BY THE MASSILLON CITY ENGINEER THIS 14th DAY OF JANUARY , 1999 MASSILLON CITY ENGINEER

E-043804

AG S

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TYPICAL SECTION AND QUANTITIES

MAINTAINED.

WATERLINE NOTES:

CAST IRON PIPE.

WITH AWWA C600.

ALL WATERLINES AND APPURTENANCES SHALL BE CONSTRUCTED

AND DETAILS IN EFFECT AT THE TIME OF CONSTRUCTION.

APPROVED BY CONSUMERS OHIO WATER COMPANY

THIS 14 DAY OF JANUARY , 1999

DONALD L. SNYDER, COVIC

ACCORDING TO CONSUMERS OHIO WATER COMPANY SPECIFICATIONS

THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION OF ALL

CONSTRUCTION OF ALL WATER SERVICE CONNECTIONS FROM 8" WATER

WATER MAIN MATERIALS SHALL CONFORM TO AWWA C151 FOR DUCTILE

WATER MAINS SHALL BE INSTALLED AND PRESSURE TESTED IN ACCORDANCE

WATER MAINS SHALL BE DISINFECTED IN ACCORDANCE WITH AWWA C651.

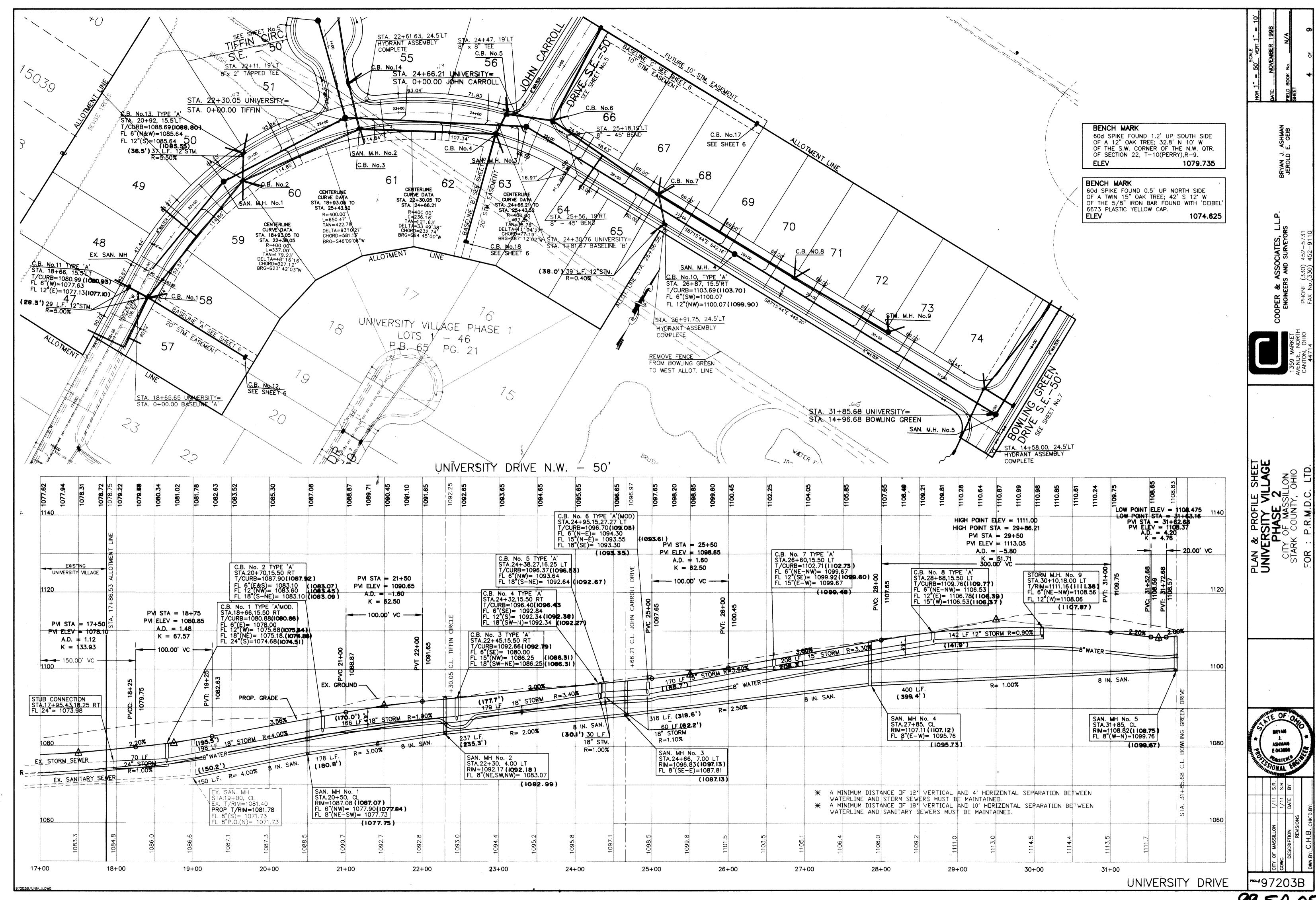
NOTE: CONTRACTOR MUST CONSTRUCT ALL WATER LINES AND WATER

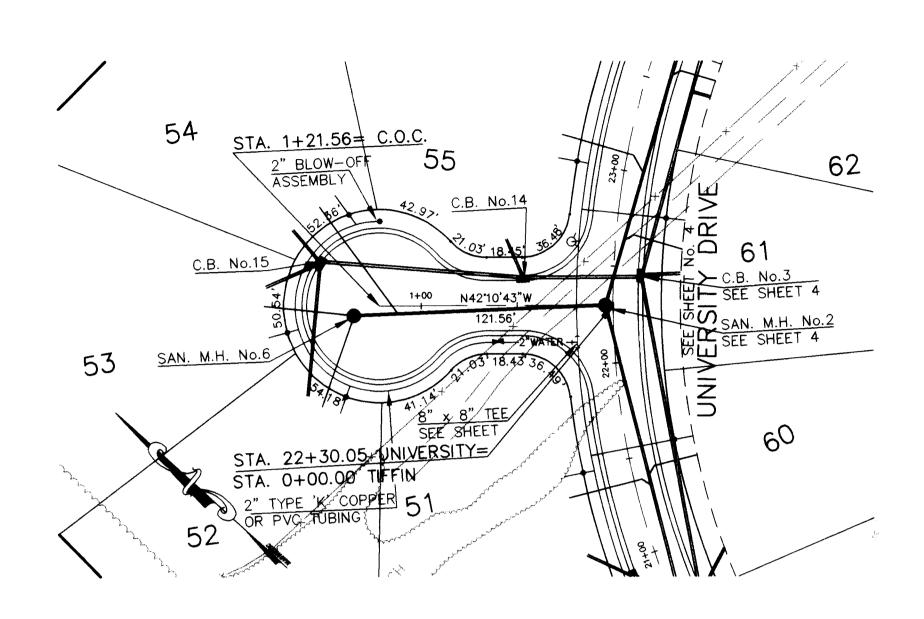
HORIZONTAL CLEARANCE BETWEEN SANITARY SEWER AND A MINIMUM

SERVICE LINES SUCH THAT A MINIMUM OF 18" VERTICAL AND 10'

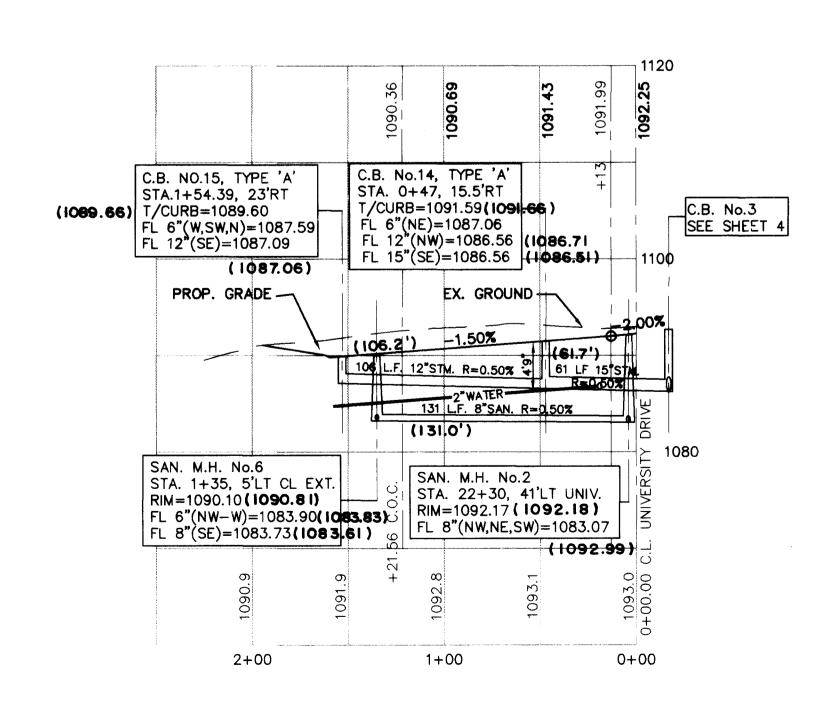
OF 12" VERTICAL AND 4' HORIZONTAL BETWEEN STORM SEWER IS

WATER MAINS AND THE SERVICE CONNECTIONS FROM ALL 2" WATER MAINS. CONSUMER OHIO WATER COMPANY WILL BE RESPONSIBLE FOR

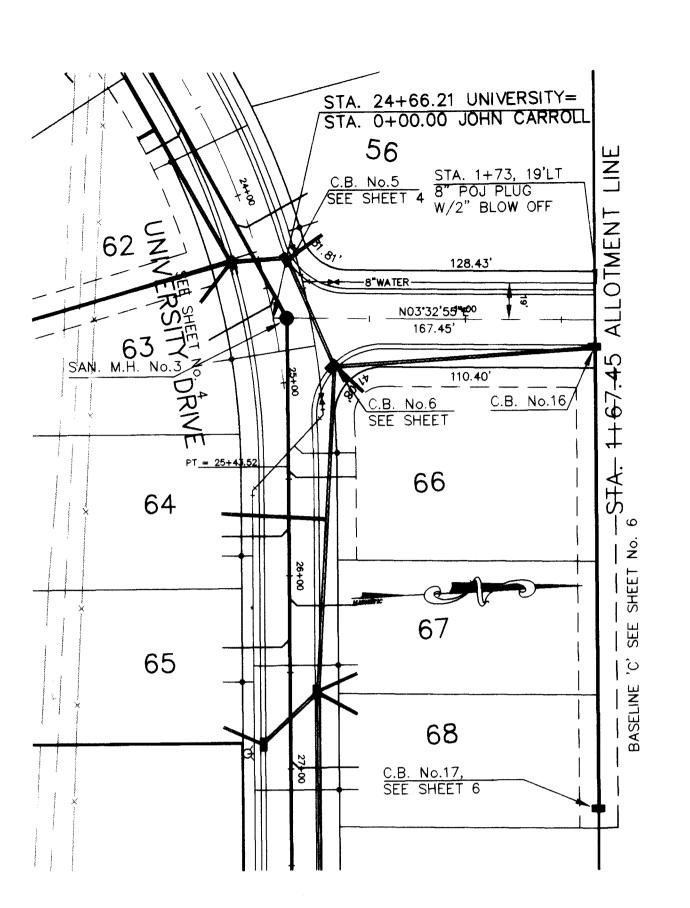




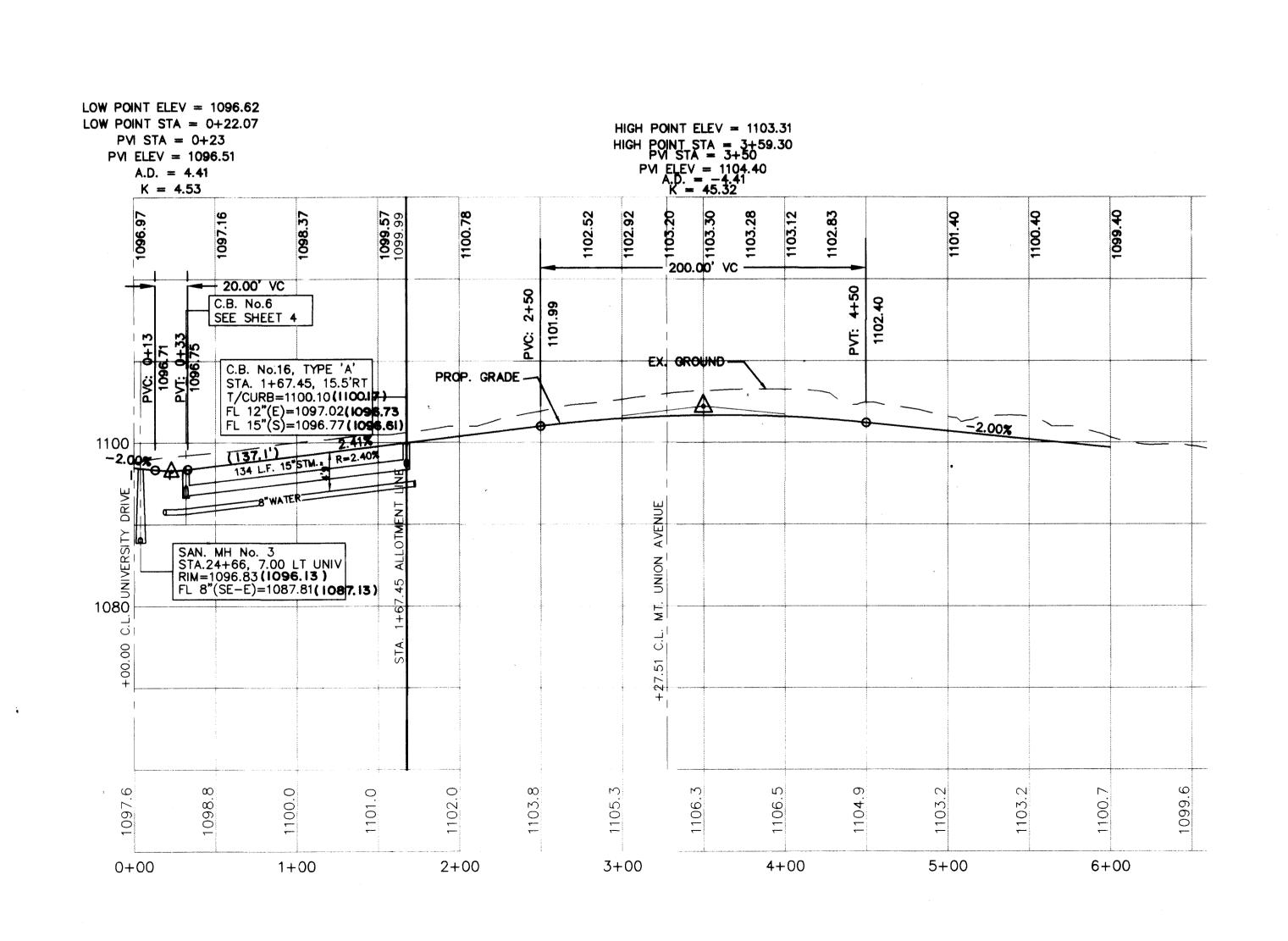
TIFFIN CIRC. S.E. - 50'



* A MINIMUM DISTANCE OF 12" VERTICAL AND 4' HORIZONTAL SEPAR WATERLINE AND STORM SEWERS MUST BE MAINTAINED. * A MINIMUM DISTANCE OF 18" VERTICAL AND 10' HORIZONTAL SEPA WATERLINE AND SANITARY SEWERS MUST BE MAINTAINED.



JOHN CARROLL DRIVE S.E. - 50'



60d SPIKE FOUND 1.2' UP SOUTH SIDE OF A 12" OAK TREE; 32.8' N 10' W OF THE S.W. CORNER OF THE N.W. QTR. OF SECTION 22, T-10(PERRY),R-9. 1079.735

BENCH MARK

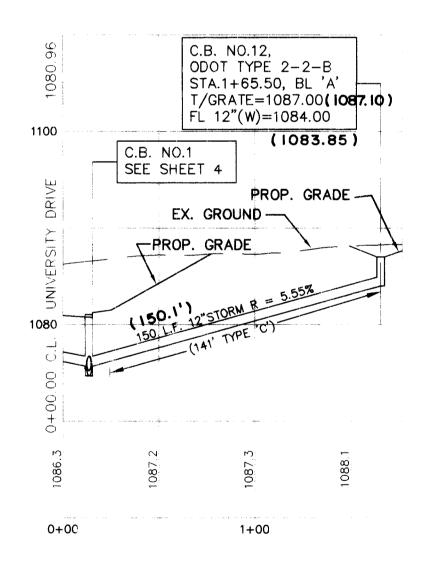
60d SPIKE FOUND 0.5' UP NORTH SIDE
OF A TWIN 15" OAK TREE; 42' S 12' W
OF THE 5/8" IRON BAR FOUND WITH 'DEIBEL'
6673 PLASTIC YELLOW CAP.
ELEV 1074.625

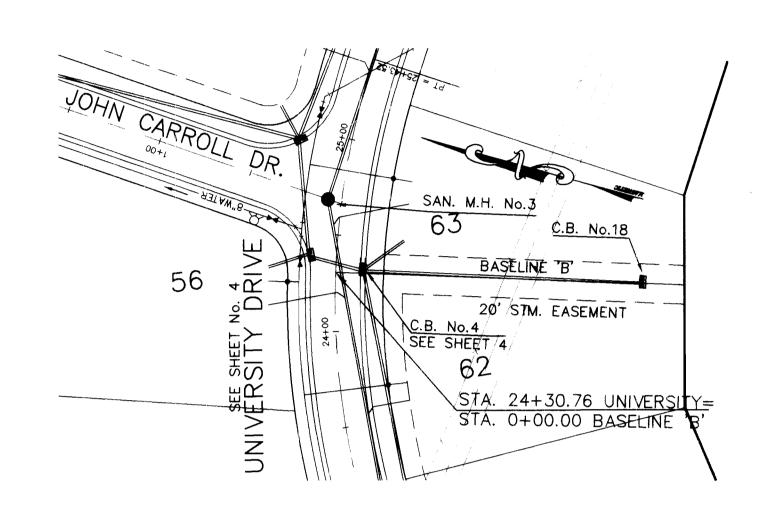
BRYAN J. JEROLD

EET GE

JOHN CARROLL DRIVE TIFFIN CIRC. /

BASELINE 'A'

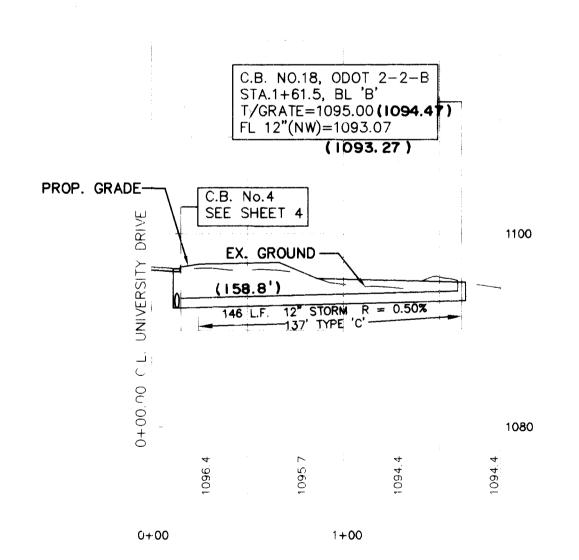




BASELINE 'B'

** A MINIMUM DISTANCE OF 12" VERTICAL AND 4' HORIZONTAL SEPARATION BETWEEN WATERLINE AND STORM SEWERS MUST BE MAINTAINED.

** A MINIMUM DISTANCE OF 18" VERTICAL AND 10' HORIZONTAL SEPARATION BETWEEN WATERLINE AND SANITARY SEWERS MUST BE MAINTAINED.

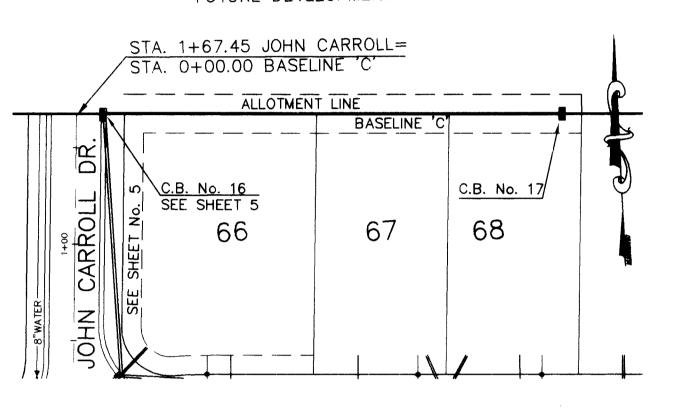


BENCH MARK

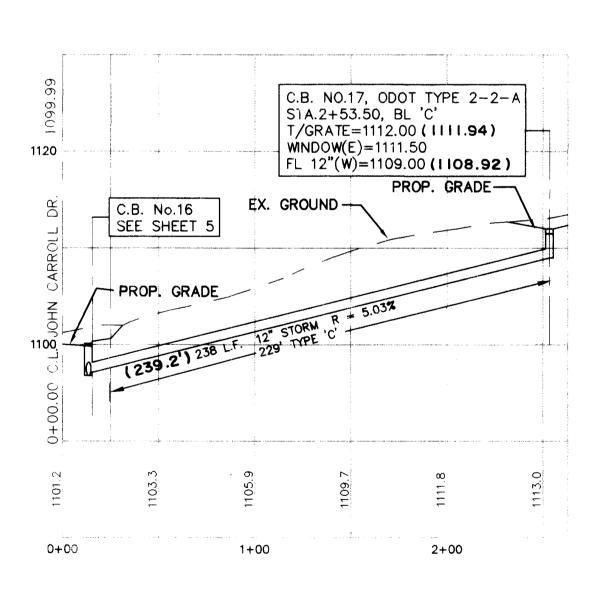
60d SPIKE FOUND 1.2' UP SOUTH SIDE OF A 12" OAK TREE; 32.8' N 10" W OF THE S.W. CORNER OF THE N.W. QTR. OF SECTION 22, T-10(PERRY),R-9. 1079.735

BENCH MARK 60d SPIKE FOUND 0.5' UP NORTH SIDE
OF A TWIN 15" OAK TREE; 42' S 12' W
OF THE 5/8" IRON BAR FOUND WITH 'DEIBEL'
6673 PLASTIC YELLOW CAP.
ELEV 1074.625

FUTURE DEVELOPMENT

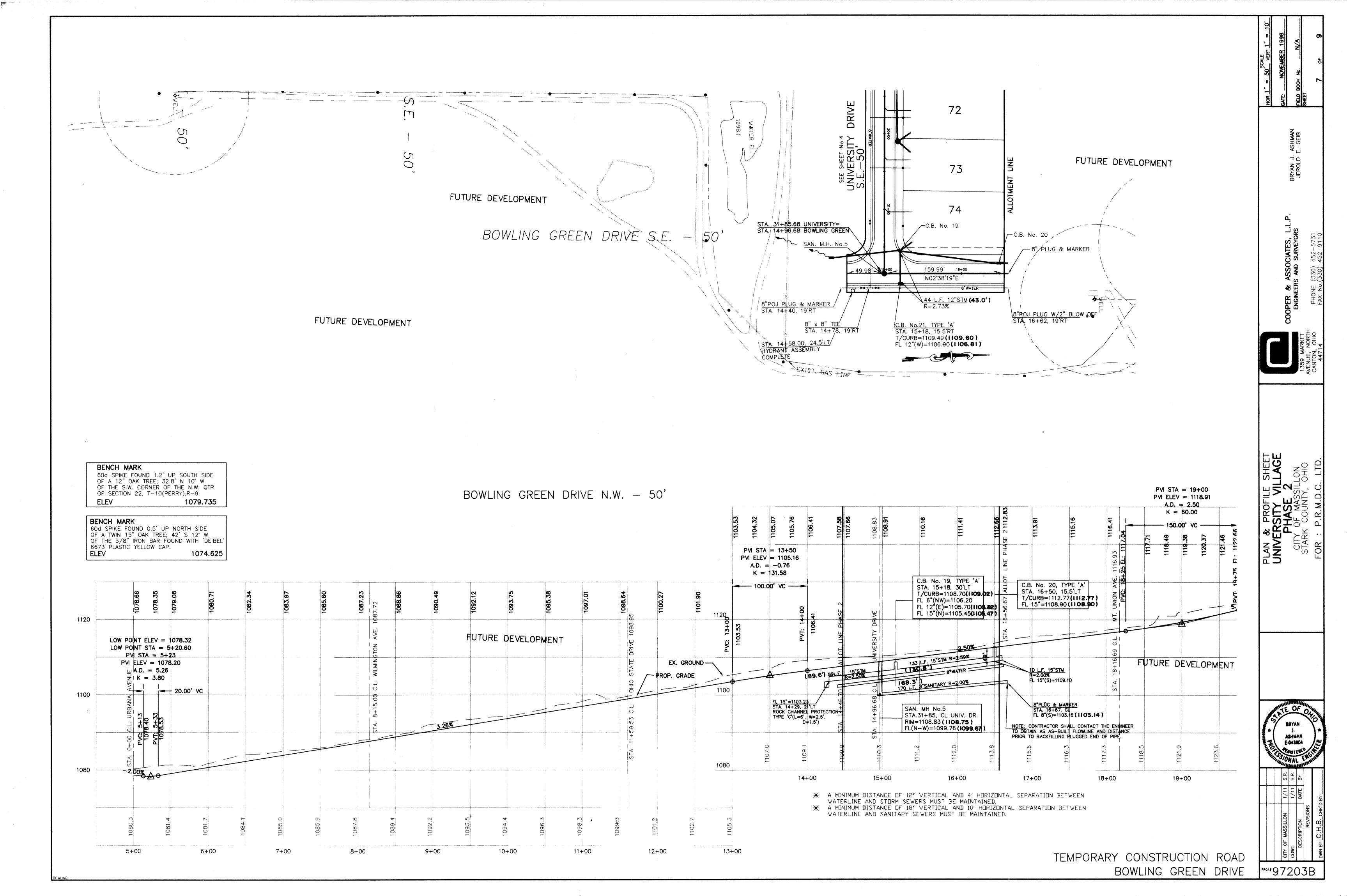


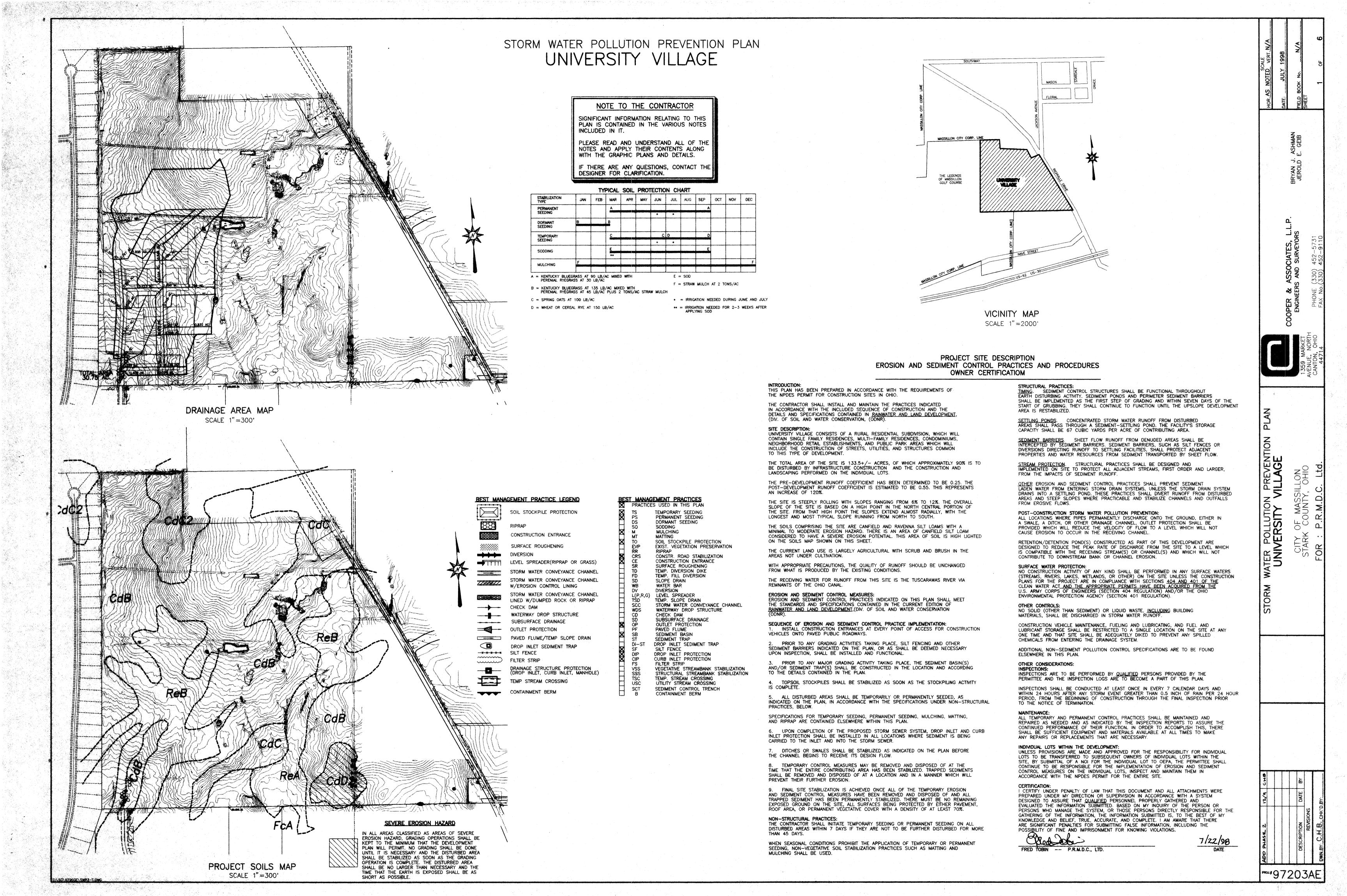
BASELINE 'C'

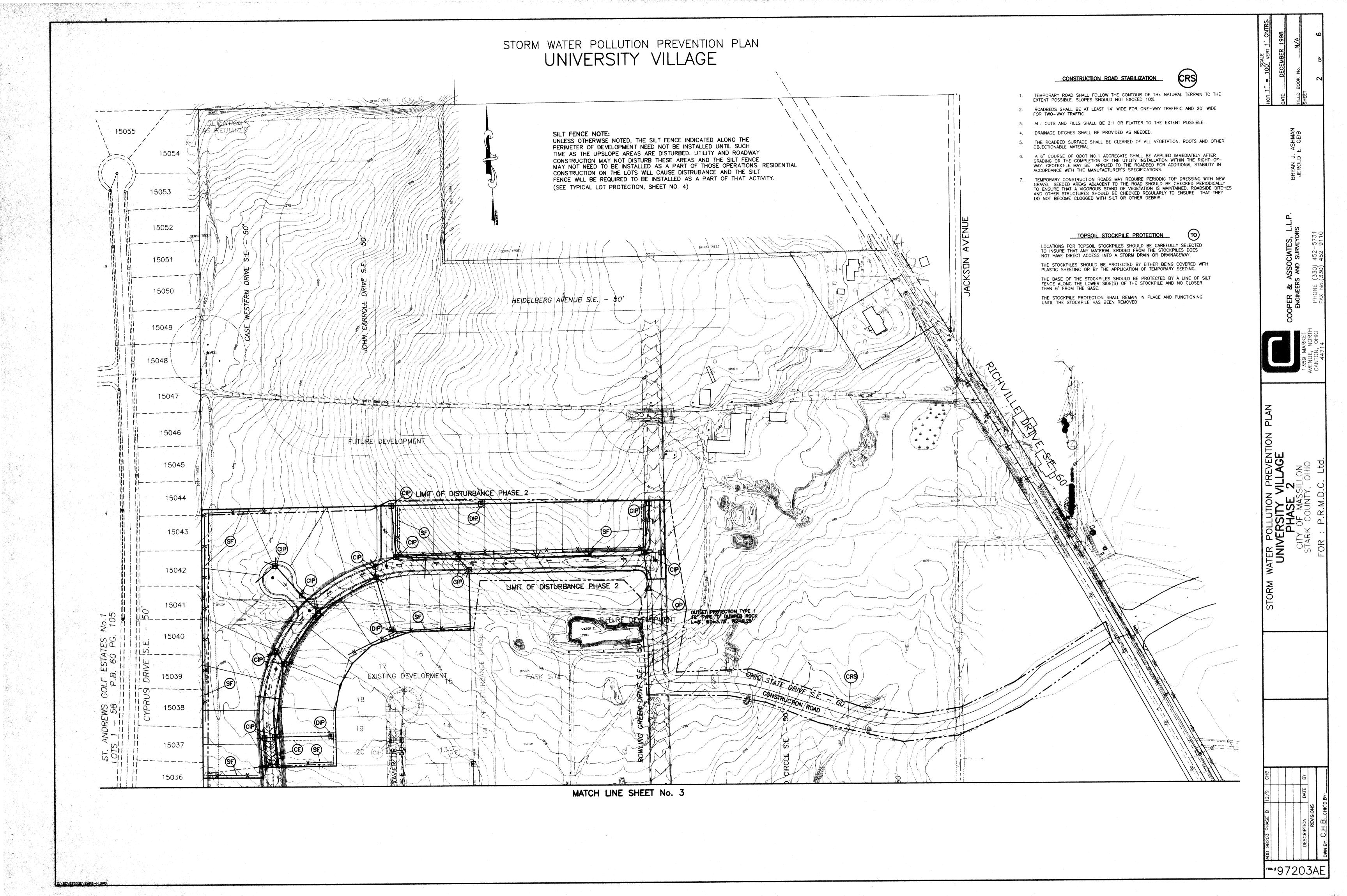


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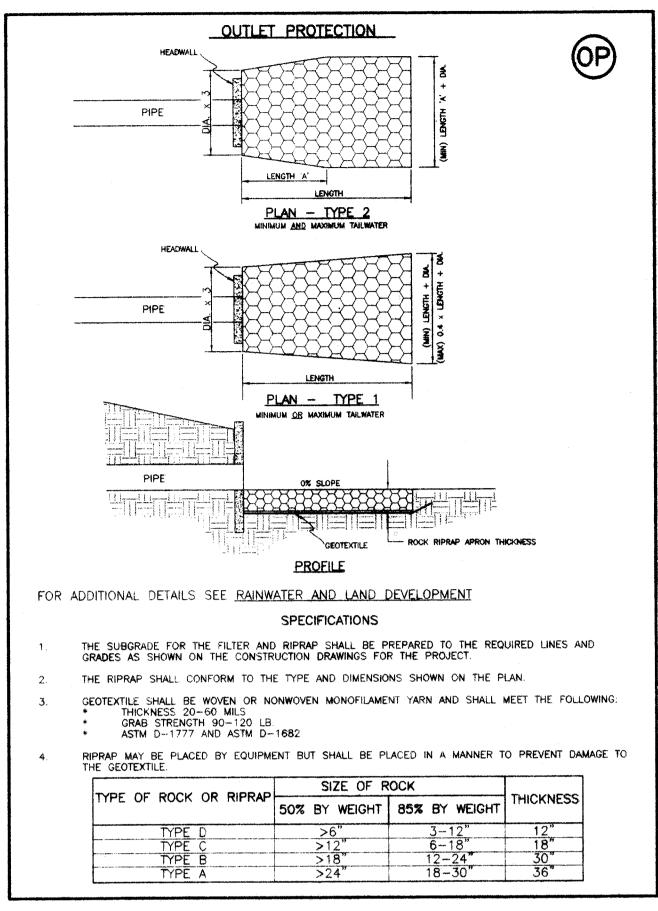


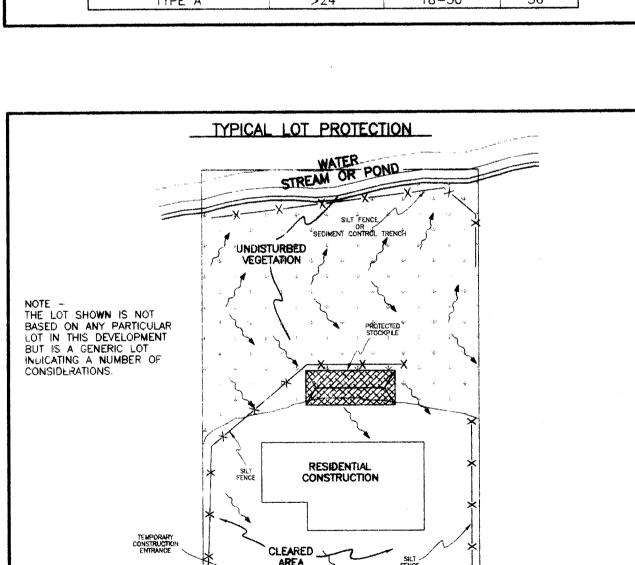
STORM WATER POLLUTION PREVENTION PLAN UNIVERSITY VILLAGE MATCH LINE SHEET No. 2 FUTURE DEVELOPMENT THE AREA DISTURBED BY STORM SEWER CONSTRUCTION SHALL BE PERMANENTLY SEEDED AS SOON AS THE CONSTRUCTION IS EROSION AND SEDIMENT CONTROL PRACTICES NO ADDITIONAL EROSION AND SEDIMENT CONTROL PRACTICES ARE SHOWN ON THIS SHEET. THE EROSION AND SEDIMENT CONTROL PRACTICES SHOWN ARE FOR INSPECTION AND MAINTENANCE PURPOSES ONLY.

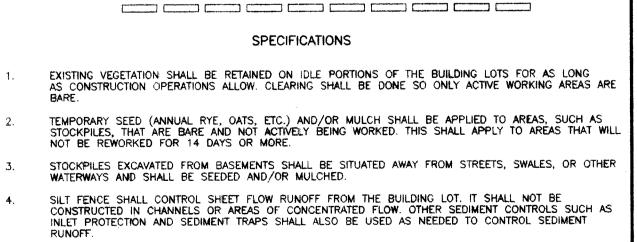
SERMANENTLY SEEDED NAVE ROAD SCALE 1" = 100'

EROSION AND SEDIMENT CONTROL PRACTICES NO ADDITIONAL EROSION AND SEDIMENT CONTROL PRACTICES ARE SHOWN ON THIS PLAN. THE ERDSION AND SEDIMENT CONTROL PRACTICÉS SHOWN ARE FOR INSPECTION AND MAINTENANCE PURPOSES ONLY.

STORM WATER POLLUTION PREVENTION PLAN UNIVERSITY VILLAGE





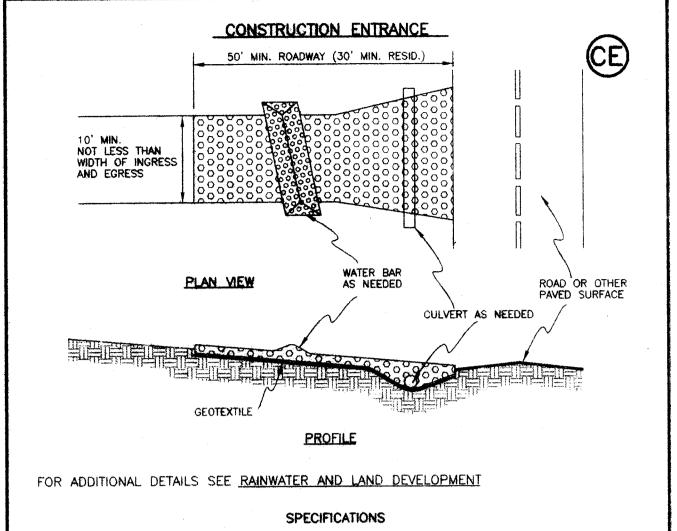


ROADWAY

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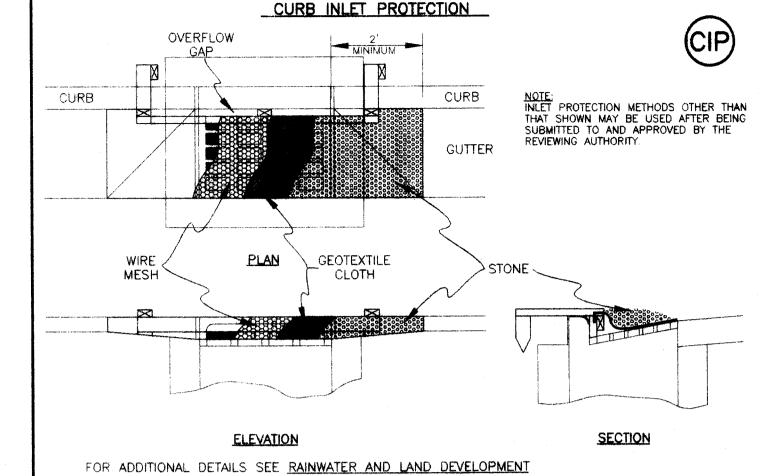
CONSTRUCTION VEHICLE ACCESS SHALL BE LIMITED TO ONE ROUTE, TO THE GREATEST EXTENT PRACTICAL. THE ACCESS SHALL BE GRAVEL OR CRUSHED ROCK APPLIED TO THE DRIVEWAY AREA. MUD TRACKED ONTO THE STREET OR SEDIMENT SETTLED AROUND CURB INLET PROTECTION SHALL BE REMOVED DAILY OR AS NEEDED TO PREVENT IT FROM ACCUMULATING. IT SHALL BE REMOVED BY SHOVELLING AND SCRAPING AND SHALL NOT BE WASHED OFF PAVED SURFACES OR INTO STORM

THIS "TYPICAL LOT" IS REPRESENTATIVE ONLY. EROSION AND SEDIMENT CONTROL FOR SPECIFIC LOTS MUST ACCOUNT FOR THE ACTUAL SIZE AND SHAPE OF THE LOT, THE ACTUAL GROUND SLOPES THAT EXIST AS WELL AS THE FINISHED SLOPES, THE ACTUAL LIMITS OF NECESSARILY DISTURBED AREAS, AND ACCESS TO THE PUBLIC ROADWAY FOR BOTH CONSTRUCTION VEHICLES AND STORM WATER RUNOFF.



- STONE SIZE TWO INCH STONE SHALL BE USED, OR RECYCLED CONCRETE EQUIVALENT. LENGTH - THE CONSTRUCTION ENTRANCE SHALL BE AS LONG AS REQUIRED TO STABILIZE HIGH TRAFFIC AREAS BUT NOT LESS THAN 50' (EXCEPT ON SINGLE RESIDENCE LOT WHERE A 30' MINIMUM LENGTH
- THICKNESS THE STONE LAYER SHALL BE AT LEAST 6" THICK.
- WIDTH THE ENTRANCE SHALL BE AT LEAST 10' WIDE, BUT NOT LESS THAN THE FULL WIDTH AT POINTS
- BEDDING A GEOTEXTILE SHALL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING THE STONE. IT SHALL HAVE A GRAB TENSILE STRENGTH OF AT LEAST 200 LB. AND A MULLEN BURST STRENGTH OF AT
- CULVERT A PIPE OR CULVERT SHALL BE CONSTRUCTED UNDER THE ENTRANCE IF NEEDED TO PREVENT SURFACE WATER FLOWING ACROSS THE ENTRANCE FROM BEING DIRECTED OUT ONTO PAVED SURFACES.
- WATER BAR A WATER BAR SHALL BE CONSTRUCTED AS PART OF THE CONSTRUCTION ENTRANCE IF NEEDED TO PREVENT SURFACE RUNOFF FROM FLOWING THE LENGTH OF THE CONSTRUCTION ENTRANCE AND OUT ONTO PAVED SURFACES.
- MAINTENANCE TOP DRESSING OF ADDITIONAL STONE SHALL BE APPLIED AS CONDITIONS DEMAND. MUD SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC ROADS, OR ANY SURFACE WHERE RUNOFF IS NOT CHECKED BY SEDIMENT CONTROLS, SHALL BE REMOVED IMMEDIATELY. REMOVAL SHALL BE ACCOMPLISHED BY SCRAPING OR SWEEPING.
- CONSTRUCTION ENTRANCES SHALL NOT BE RELIED UPON TO REMOVE MUD FROM VEHICLES AND PREVENT OFF-SITE TRACKING. VEHICLES THAT ENTER AND LEAVE THE CONSTRUCTION-SITE SHALL BE RESTRICTED

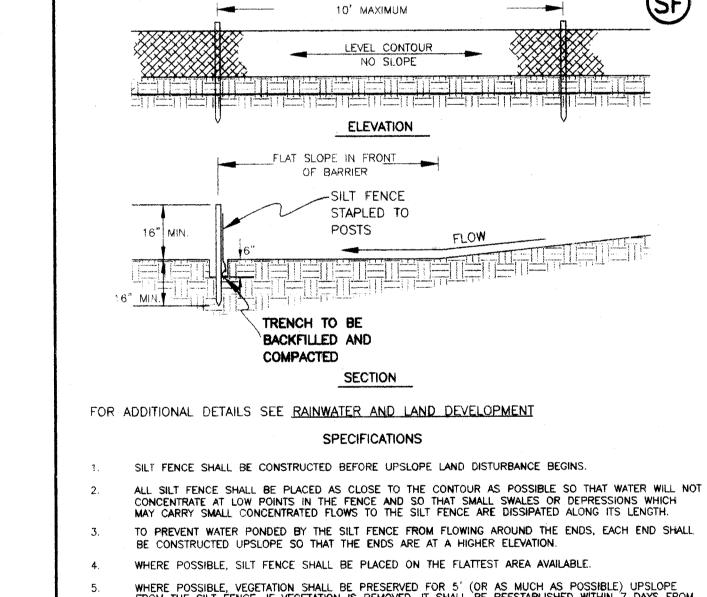
DROP INLET PROTECTION



THE INLET, 2' ON EACH SIDE.

- INLET PROTECTION MUST BE INSTALLED AT EACH CURB INLET PROVIDING ACCESS TO A STORM DRAIN THAT DOES NOT OUTLET INTO A SEDIMENT TRAP OR SEDIMENT BASIN.
- INLET PROTECTION MUST BE INSTALLED AT THE FIRST INLET DOWNSTREAM OF SEDIMENT OBSERVED IN THE GUTTER SECTION
- INLET PROTECTION SHALL BE CONSTRUCTED EITHER BEFORE UPSLOPE LAND DISTURBANCE BEGINS OR BEFORE THE STORM DRAIN BECOMES OPERATIONAL.
- THE WOODEN FRAME IS TO BE CONSTRUCTED OF 2" X 4" CONSTRUCTION—GRADE LUMBER. THE END SPACERS SHALL BE A MINIMUM OF 1' BEYOND BOTH ENDS OF THE THROAT OPENING. THE ANCHORS SHALL BE NAILED TO 2×4 STAKES DRIVEN ON THE OPPOSITE SIDE OF THE CURB.
- THE WIRE MESH SHALL BE OF SUFFICIENT STRENGTH TO SUPPORT FABRIN AND STONE. IT SHALL BE A CONTINUOUS PIECE WITH A MINIMUM WIDTH OF 30" AND 4' LONGER THAN THE THROAT LENGTH OF
- GEOTEXTILE CLOTH SHALL HAVE AN EQUIVALENT OPENING SIZE (EOS) OF 20-40 SIEVE AND BE RESISTANT TO SUNLIGHT. IT SHALL BE AT LEAST THE SAME SIZE AS THE WIRE MESH.
- THE WIRE MESH AND GEOTEXTILE CLOTH SHALL BE FORMED TO THE CONCRETE GUTTER AND AGAINST THE FACE OF THE CURB ON BOTH SIDES OF THE INLET AND SECURELY FASTENED TO THE 2×4 FRAME
- TWO-INCH STONE SHALL BE PLACED OVER THE WIRE MESH AND GEOTEXTILE IN SUCH A MANNER AS TO PREVENT WATER FROM ENTERING THE INLET UNDER OR AROUND THE GEOTEXTILE CLOTH.

SILT FENCE



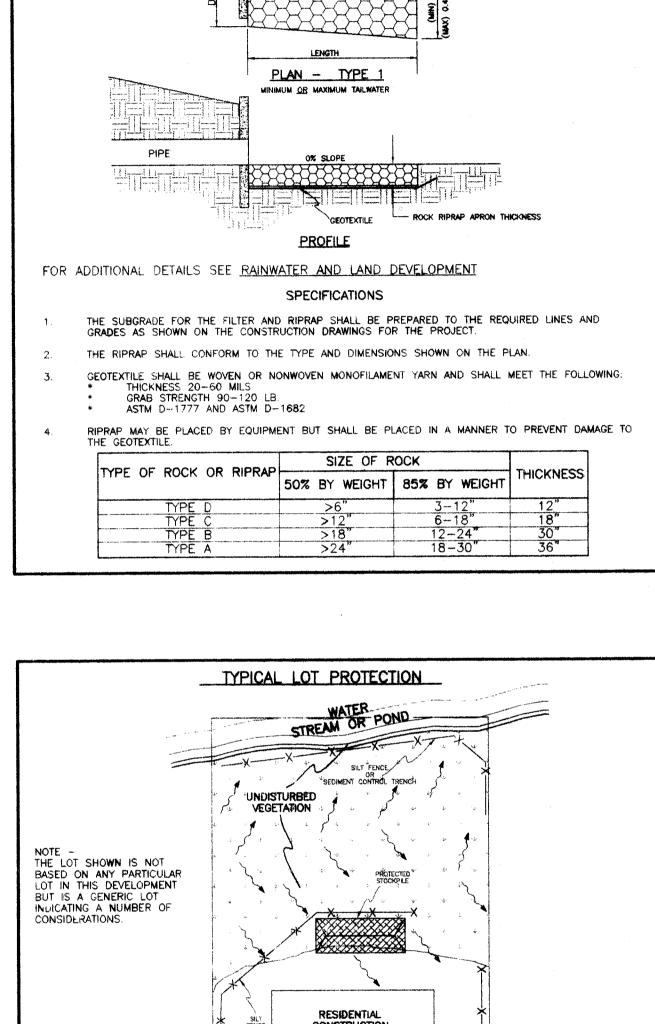
- TO PREVENT WATER PONDED BY THE SILT FENCE FROM FLOWING AROUND THE ENDS, EACH END SHALL
- WHERE POSSIBLE, VEGETATION SHALL BE PRESERVED FOR 5' (OR AS MUCH AS POSSIBLE) UPSLOPE FROM THE SILT FENCE. IF VEGETATION IS REMOVED, IT SHALL BE REESTABLISHED WITHIN 7 DAYS FROM THE INSTALLATION OF THE SILT FENCE.
- THE HEIGHT OF THE SILT FENCE SHALL BE A MINIMUM OF 16" ABOVE THE ORIGINAL GROUND SURFACE.
- THE SILT FENCE SHALL BE PLACED IN A TRENCH CUT A MINIMUM OF 6" DEEP. THE TRENCH SHALL BE CUT WITH A TRENCHER, CABLE LAYING MACHINE, OR OTHER SUITABLE DEVICE WHICH WILL INSURE AN ADEQUATELY UNIFORM TRENCH DEPTH.
- THE SILT FENCE SHALL BE PLACED WITH THE STAKES ON THE DOWNSLOPE SIDE OF THE GEOTEXTILE AND SO THAT 8" OF CLOTH ARE BELOW THE GROUND SURFACE. EXCESS MATERIAL SHALL LAY ON THE BOTTOM OF THE 6" DEEP TRENCH. THE TRENCH SHALL BE BACKFILLED AND COMPACTED.
- SEAMS BETWEEN SECTIONS OF SILT FENCE SHALL BE OVERLAPPED WITH THE END STAKES OF EACH SECTION WRAPPED TOGETHER BEFORE DRIVING INTO THE GROUND.
- MAINTENANCE SILT FENCE SHALL ALLOW RUNOFF TO PASS ONLY AS DIFFUSE FLOW THROUGH THE GEOTEXTILE. IF RUNOFF TOPS THE SILT FENCE, FLOWS UNDER OR AROUND THE ENDS, OR IN ANY OTHER WAY BECOMES CONCENTRATED FLOW, ONE OF THE FOLLOWING SHALL BE PERFORMED, AS

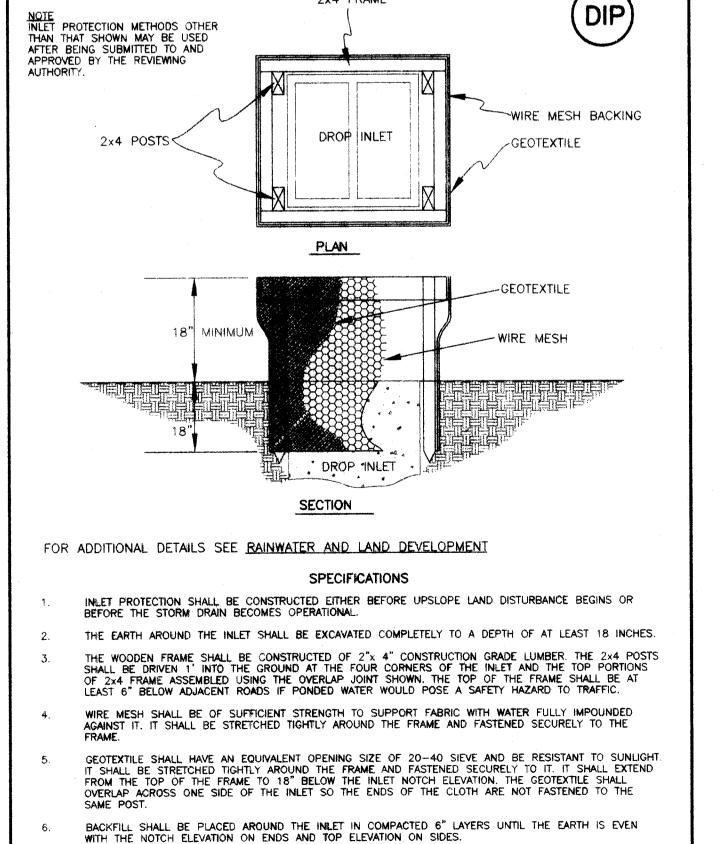
THE LAYOUT OF THE SILT FENCE SHALL BE CHANGED.
ACCUMULATED SEDIMENT SHALL BE REMOVED, OR
OTHER PRACTICES SHALL BE INSTALLED.

CRITERIA FOR SILT FENCE MATERIALS

FENCE POSTS - THE LENGTH SHALL BE A MINIMUM OF 32" LONG. WOOD POSTS WILL BE 2-BY-2" HARDWOOD OF SOUND QUALITY. THE MAXIMUM SPACING BETWEEN POSTS SHALL BE 10 FT. SILT FENCE FABRIC - SEE CHART BELOW

| JLTRRAVIOLET RADIATION STABILITY | 90% MINIMUM                   | ASTM-G-26              |
|----------------------------------|-------------------------------|------------------------|
| EQUIVALENT OPENING SIZE          | 40-80                         | US STD. SIEVE CW-02215 |
| SLURRY FLOW RATE                 | 0.3 GAL./MIN./SQ. FT. MAXIMUM |                        |
| MULLEN BURST STRENGTH            | 190 PSI MINIMUM               | ASTM D 3786            |
| GRAB TENSILE STRENGHT            | 90 LB. MINIMUM                | ASTM D 1682            |
| FABRIC PROPERTIES                | VALUES                        | TEST METHOD            |





A COMPACTED EARTH DIKE OR A CHECK DAM SHALL BE CONSTRUCTED IN THE DITCH LINE BELOW THE INLET IS NOT IN A DEPRESSION AND IF RUNOFF BYPASSING THE INLET WILL NOT FLOW

TO A SETTLING POND. THE TOP OF THE EARTH DIKE SHALL BE AT LEAST 6' HIGHER THAN THE TOP

EX. SAN. M.H

SEDIMENT BASIN DESIGN DATA

1063.25

SEDIMENT VOLUME REQUIRED EMBANKMENT TOP ELEVATION

RISER CREST ELEVATION
DEWATERING ELEVATION

PIPE OUTLET ELEVATION

EMBANKMENT SIDE SLOPES
EMERGENCY SPILLWAY ELEVATION
EMERGENCY SPILLWAY WIDTH

SEDIMENT CLEANOUT ELEVATION TRASH RACK REQUIRED

### SPECIFICATIONS

### TEMPORARY MODIFICATION TO STORMWATER PONDS USED FOR SEDIMENT CONTROL DURING CONSTRUCTION

SEDIMENT BASINS SHALL BE CONSTRUCTED AND OPERATIONAL BEFORE UPSLOPE LAND DISTURBANCE BEGINS.

SITE PREPARATION -- THE AREA UNDER THE EMBANKMENT SHALL BE CLEARED, GRUBBED, AND STRIPPED OF ANY VEGETATION AND ROOT MAT. THE POOL AREA SHALL BE CLEARED AS NEEDED TO FACILITATE SEDIMENT CLEANOUT. GULLIES AND SHARP BREAKS SHALL BE SLOPED TO NO STEEPER THAN 1:1. THE SURFACE OF THE FOUNDATION AREA WILL BE THOROUGHLY SCARIFIED BEFORE PLACEMENT OF THE EMBANKMENT MATERIAL.

3. CUT-OFF TRENCH (IF REQUIRED ON THE PLANS)—THE CUT-OFF TRENCH SHALL BE EXCAVATED ALONG THE CENTERLINE OF THE EMBANKMENT. THE MINIMUM DEPTH SHALL BE 2 FT. UNLESS SPECIFIED DEEPER ON THE PLANS OR AS A RESULT OF SITE CONDITIONS. THE MINIMUM BOTTOM WIDTH SHALL BE 4 FT., BUT WIDE ENOUGH TO PERMIT OPERATION OF COMPACTION EQUIPMENT. THE TRENCH SHALL BE KEPT FREE OF STANDING WATER DURING BACKFILL OPERATIONS.

EMBANKMENT -- THE FILL MATERIAL SHALL BE FREE OF ALL SOD, ROOTS, FROZEN SOIL, STONES OVER 6" IN DIAMETER, AND ALL OTHER OBJECTIONABLE MATERIAL. THE PLACING AND SPREADING OF THE FILL MATERIAL SHALL BE STARTED AT THE LOWEST POINT OF THE FOUNDATION AND THE FILL SHALL BE BROUGHT UP IN APPROX. 6" HORIZONTAL LAYERS OR OF SUCH A THICKNESS THAT THE REQUIRED COMPACTION CAN BE OBTAINED WITH THE EQUIPMENT USED. CONSTRUCTION EQUIPMENT SHALL BE OPERATED OVER EACH LAYER IN A WAY THAT WILL RESULT IN THE REQUIRED COMPACTION. SPECIAL EQUIPMENT SHALL BE USED WHEN THE REQUIRED COMPACTION CANNOT BE OBTAINED WITHOUT IT. THE MOISTURE CONTENT OF FILL MATERIAL SHALL BE SUCH THAT THE REQUIRED DEGREE OF COMPACTION CAN BE OBTAINED WITH THE EQUIPMENT USED.

PIPE SPILLWAY -- THE PIPE CONDUIT BARREL SHALL BE PLACED ON A FIRM FOUNDATION TO THE LINES AND GRADES SHOWN ON THE PLANS. CONNECTIONS BETWEEN THE RISER AND THE BARREL THE ANTI-SEEP COLLARS (IF REQUIRED ON THE PLANS) AND BARREL AND ALL PIPE JOINTS SHALL BE WATERTIGHT. SELECTED BACKFILL MATERIAL SHALL

BE PLACED AROUND THE CONDUIT IN LAYERS AND EACH LAYER SHALL BE COMPACTED TO AT LEAST THE SAME DENSITY AS THE ADJACENT EMBANKMENT. ALL COMPACTION WITHIN 2' OF THE PIPE SPILLWAY SHALL BE ACCOMPLISHED WITH HAND-OPERATED TAMPING EQUIPMENT.

RISER PIPE BASE -- THE RISER PIPE SHALL BE SET A MINIMUM OF 6" IN THE CONCRETE BASE

TRASH RACKS--BOTH THE TOP OF THE RISER AND THE DEWATERING ORIFICE SHALL BE FITTED WITH TRASH RACKS FIRMLY FASTENED TO THE RISER PIPE.

EMERGENCY SPILLWAY -- THE EMERGENCY SPILLWAY SHALL BE CUT IN UNDISTURBED GROUND. ACCURATE CONSTRUCTION OF THE SPILLWAY ELEVATION AND WIDTH IS CRITICAL AND SHALL BE WITHIN A TOLERANCE OF 0.2 FT.

SEED AND MULCH--THE SEDIMENT BASIN SHALL BE STABILIZED IMMEDIATELY FOLLOWING ITS CONSTRUCTION. IN NO CASE SHALL THE EMBANKMENT OR EMERGENCY SPILLWAY REMAIN BARE FOR MORE THAN 7 DAYS.

SEDIMENT CLEANOUT -- SEDIMENT SHALL BE REMOVED AND THE SEDIMENT BASIN RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS FILLED ONE-HALF OF THE POND'S ORIGINAL DEPTH OR AS INDICATED ON THE PLANS. SEDIMENT REMOVED FROM THE BASIN SHALL BE PLACED SO THAT IT WILL NOT ERODE.

FINAL REMOVAL -- TEMPORARY STRUCTURES OR MODIFICATIONS USED FOR SEDIMENT CONTROL DURING CONSTRUCTION SHALL BE REMOVED ONLY AFTER THE UPSTREAM DRAINAGE AREA IS STABILIZED OR AS INDICATED IN THE PLANS. DEWATERING AND REMOVAL SHALL NOT CAUSE SEDIMENT TO BE DISCHARGED.

SEDIMENT SHALL BE REMOVED AS NEEDED TO ACHIEVE THE DESIGN DEPTH AND DIMENSIONS OF THE PERMANENT POND.

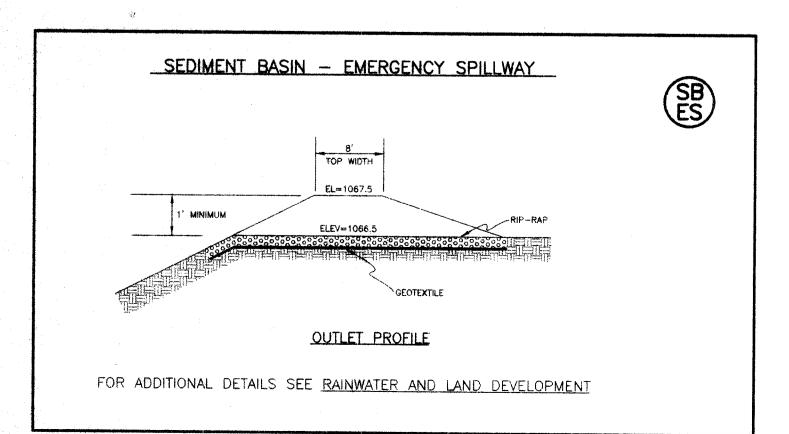
SAFETY NOTE: SEDIMENT BASINS AND SEDIMENT TRAPS ARE VERY HAZARDOUS INSTALLATIONS, ESPECIALLY FOR CHILDREN. IT IS ESSENTIAL THAT SEDIMENT BASINS AND SEDIMENT TRAPS BE FENCED TO PREVENT UNAUTHORIZED PERSONS FROM GAINING ACCESS TO THE POOL AREA. THE FENCE SHOULD REMAIN IN PLACE UNTIL THE SEDIMENT TRAP OR SEDIMENT BASIN IS COMPLETELY REMOVED.

EXISTING SEDIMENT BASIN PLAN THE SEDIMENT BASIN SHOWN ON THIS PLAN WAS CONSTRUCTED WITH UNIVERSITY VILLAGE PHASE 1. THIS PLAN IS INCLUDED FOR INSPECTION AND MAINTENANCE PURPOSES ONLY.

### BENCH MARK

60d SPIKE FOUND 1.2' UP SOUTH SIDE OF A 12" OAK TREE; 32.8' N 10° W OF THE S.W. CORNER OF THE N.W. QTR. OF SECTION 22, T-10(PERRY),R-9. 1079.735

BENCH MARK 60d SPIKE FOUND 0.5' UP NORTH SIDE OF A TWIN 15" OAK TREE; 42' S 12" W OF THE 5/8" IRON BAR FOUND WITH 'DEIBEL' 6673 PLASTIC YELLOW CAP. 1074.625



FOR STORM SEWER AND DETENTION BASIN PLANS AND DETAILS, SEE

EMERGENCY SPILLWAY

W/RIPRAP PROTECTION

SEDIMENT BASIN

BOTTOM ELEV = 1062.0

YPICAL

15" RISER PIPE

OP OF EMBANKMENT ELEV = 1067.50

13 LF 10" STORM SEWER

WINDOW(W) = 1066.

W/TRASH RACK

ELEV = 1066.5

ALLOTMENT LINE

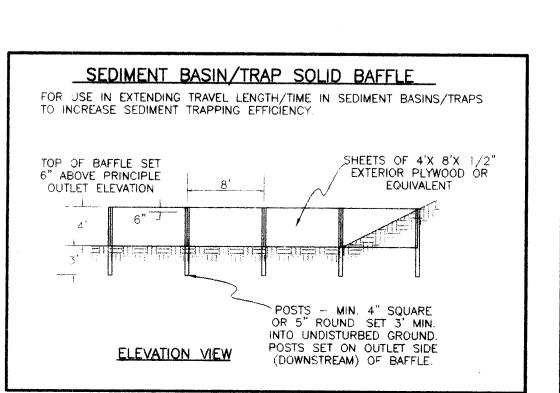
STORM MANHOLE No.1

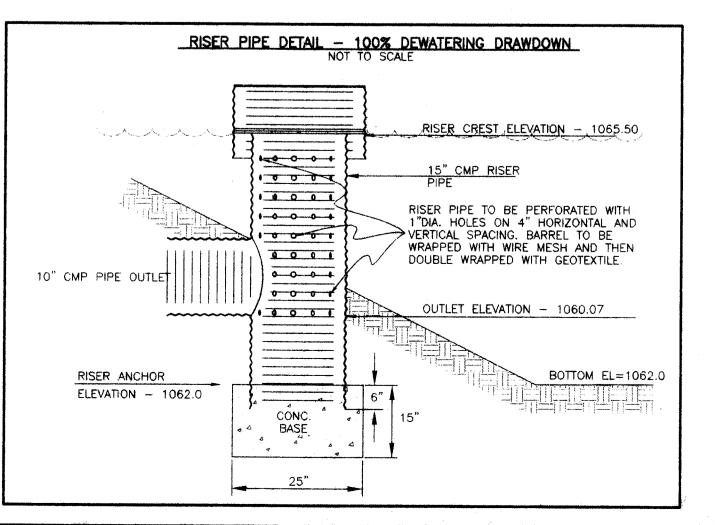
- 1063

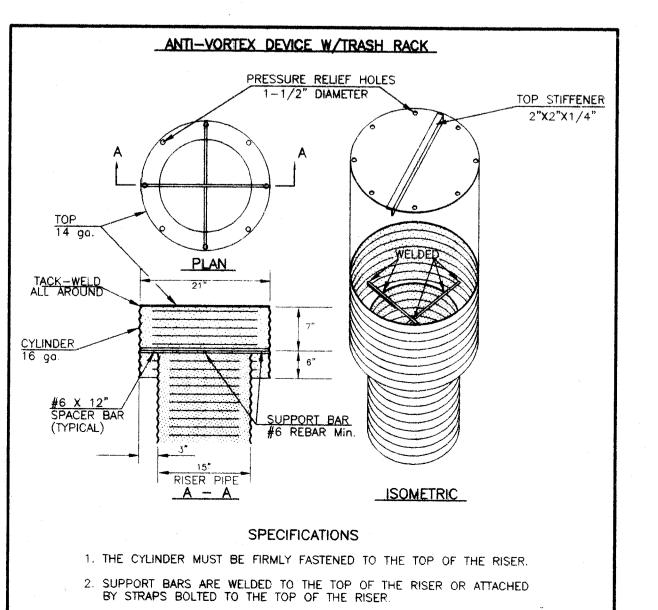
80' SOLID BAFFILE

SHEET No. 5 AND 10 OF THE A

UNIVERSITY VILLAGE PHASE I CONSTRUCTION DRAWINGS.







SEDIMENT BASIN No. 1

70 ROL

STC

### 2. MULCH SHALL CONSIST OF ONE OF THE FOLLOWING:

- \* STRAW -- STRAW UNROTTED SMALL GRAIN STRAW APPLIED AT THE RATE OF 2 TONS/AC. OR 90 LB./1,000 SQ. FT. (TWO TO THREE BALES). THE STRAW MULCH SHALL BE SPREAD UNIFORMLY BY HAND OR MECHANICALLY SO THE SOIL SURFACE
- \* HYDROSEEDERS -- WOOD CELLULOSE FIBER SHOULD BE USED AT 2,000 LB./AC. OR 46 LB./1,000 SQ. FT.
- \* OTHER -- OTHER ACCEPTABLE MULCHES INCLUDE MULCH MATTINGSS APPLIED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS OR WOOD CHIPS APPLIED AT 10-20 TONS/AC.
- MULCH ANCHORING -- MULCH SHALL BE ANCHORED IMMEDIATELY TO MINIMIZE LOSS BY WIND OR RUNOFF. THE FOLLOWING ARE ACDEPTABLE METHODS FOR ANCHORING MULCH.
- MECHANICAL -- USE A DISK, CRIMPER, OR SIMILAR TYPE TOOL SET STRAIGHT TO PUNCH OR ANCHOR THE MULCH MATERIAL INTO THE SOIL STRAW MECHANICALLY ANCHORED SHALL NOT BE FINELY CHOPPED BUT BE LEFT GENERALLY LONGER THAN
- MULCH NETTINGS -- USE ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS, FOLLOWING ALL PLACEMENT AND ANCHORING INSTRUCTIONS. USE IN AREAS OF WATER CONCENTRATION AND STEEP SLOPES TO HOLD MULCH IN PLACE
- ASPHALT EMULSION -- FOR STRAW MULCH, APPLY AT THE RATE OF 160 GAL./AC. (0.1 GAL./SQ. YD.) INTO THE MULCH AS IT IS BEING APPLIED OR AS RECOMMENDED BY THE MANUFACTURER.
- SYNTHETIC BINDERS -- FOR STRAW MULCH, SYNTHETIC BINDERS SUCH AS ACRYLIC DLR (AGRI-TAC), DCA-70, PETROSET, TERRA TACK OR EQUAL MAY BE USED AT RATES RECOMMENDED BY THE MANUFACTURER.
- WOOD CELLULOSE FIBER -- WOOD CELLULOSE FIBER MAY BE USED FOR ANCHORING STRAW. THE FIBER BINDER SHALL BE APPLIED AT A NET DRY WEIGHT OF 750 LB./ACRE. THE WOOD CELLULOSE FIBER SHALL BE MIXED WITH WATER AND THE MIXTURE SHALL CONTAIN A MAXIMUM OF 50 LB./GAL. OF WOOD CELLULOSE FIBER.

### TEMPORARY SEEDING



- STRUCTURAL EROSION -- AND SEDIMENT-CONTROL PRACTICES SUCH AS DIVERSIONS AND SEDIMENT TRAPS SHALL BE INSTALLED AND STABILIZED WITH TEMPORARY SEEDING PRIOR TO GRADING THE REST OF THE CONSTRUCTION-SITE.
- TEMPORARY SEED SHALL BE APPLIED BETWEEN CONSTRUCTION OPERATIONS ON SOIL THAT WILL NOT BE GRADED OR REWORKED FOR 45 DAYS OR MORE. THESE IDLE AREAS SHOULD BE SEEDED AS SOON AS POSSIBLE AFTER GRADING OR SHALL BE SEEDED WITHIN 7 DAYS. SEVERAL APPLICATIONS OF TEMPORARY SEEDING ARE NECESSARY ON TYPICAL CONSTRUCTION PROJECTS
- THE SEEDBED SHOULD BE PULVERIZED AND LOOSE TO ENSURE THE SUCCESS OF ESTABLISHING VEGETATION. HOWEVER, TEMPORARY SEEDING SHALL NOT BE POSTPONED IF IDEAL SEEDBED IS NOT POSSIBLE
- SOIL AMENDMENTS -- APPLICATIONS OF TEMPORARY VEGETATION SHALL ESTABLISH ADEQUATE STANDS OF VEGETATION WHICH MAY REQUIRE THE USE OF SOIL AMENDMENTS. SOIL TESTS SHOULD BE TAKEN ON THE SITE TO PREDICT THE NEED FOR LIME AND FERTILIZER.
- SEEDING METHOD -- SEED SHALL BE APPLIED UNIFORMLY WIITH A CYCLONE SPREADER, DRILL, CULTIPACKER SEEDER, OR HYDROSEEDER. WHEN FEASIBLE, SEED THAT HAS BEEN BROADCAST SHALL BE COVERED BY RAKING OR DRAGGING AND THEN LIGHTLY TAMPED INTO PLACE USING A ROLLER OR CULTIPACKER, IF HYDROSEEDING IS USED. THE SEED AND FERTILIZER WILL BE MIXED ON-SITE AND THE SEEDING SHALL BE DONE IMMEDIATELY AND WITHOUT INTERRUPTION.

| SEEDING DATES            | SPECIES                                              | LB./1,000 SQ. FT. | PER ACRE                       |
|--------------------------|------------------------------------------------------|-------------------|--------------------------------|
| MARCH 1 TO AUGUST 15     | OATS<br>TALL FESCUE<br>ANNUAL RYEGRASS               | 3<br>1<br>1       | 4 BUSHEL<br>40 LBS.<br>40 LBS. |
|                          | PERENNIAL RYEGRASS<br>TALL FESCUE<br>ANNUAL RYEGRASS | 1                 | 40 LBS.<br>40 LBS.<br>40 LBS.  |
| AUGUST 16 TO NOVEMBER 1  | RYE<br>TALL FESCUE<br>ANNUAL RYEGRASS                | 3<br>1<br>1       | 2 BUSHEL<br>40 LBS.<br>40 LBS. |
|                          | WHEAT<br>TALL FESCUE<br>ANNUAL RYEGRASS              | 1 1               | 2 BUSHEL<br>40 LBS.<br>40 LBS. |
|                          | PERENNIAL RYEGRASS<br>TALL FESCUE<br>ANNUAL RYEGRASS | 1                 | 40 LBS.<br>40 LBS.<br>40 LBS.  |
| NOV. 1 TO SPRING SEEDING | MULCH, SODDING OR                                    | DORMANT SEEDING   | ONLY                           |

NOTE : OTHER APPROVED SPECIES MAY BE SUBSTITUTED

### MULCHING

SEE <u>MULCH</u> ABOVE

### PERMANENT SEEDING



### SITE PREPARATION

- A SUBSOILER, PLOW OR OTHER IMPLIMENT SHALL BE USED TO REDUCE SOIL COMPACTION AND ALLOW MAXIMUM INFILTRATION. SUBSOILING SHOULD BE DONE WHEN THE SOIL MOISTURE IS LOW ENOUGH TO ALLOW THE SOIL TO CRACK OR FRACTURE, SUBSOILING SHALL NOT BE DONE ON SUP-PRONE AREAS WHERE SOIL PREPARATION SHOULD BE LIMITED TO WHAT IS NECESSARY FOR ESTABLISHING VEGETATION.
- THE SITE SHALL BE GRADED AS NEEDED TO PERMIT THE USE OF CONVENTIONAL EQUIPMENT FOR SEEDBED PREPARATION AND SEEDING
- RESOIL SHALL BE APPLIED WHERE NEEDED TO ESTABLISH VEGETATION

### SEEDBED PREPARATION

- LIME -- AGRICULTURAL GROUND LIMESTONE SHALL BE APPLIED TO ACID SOIL AS RECOMMENDED BY A SOIL TEST. IN LIEU OF A SOIL TEST, LIME SHALL BE APPLIED AT THE RATE OF 100 LB./1,000 S.F. OR 2 TONS/ACRE.
- FERTILIZER FERTILIZER SHALL BE APPLIED AS RECOMMENDED BY A SOIL TEST. IN LIEU OF A SOIL TEST, FERTILIZER SHALL BE APPLIED AT A RATE OF 12 LB./1,000 SQ. FT. OR 500 LB./AC. OF 10-10-10 OR 12-12-12 ANALYSIS.
- THE LIMESTONE AND FERTILIZER SHALL BE WORKED INTO THE SOIL WITH A DISK HARROW, SPRING-TOOTH HARROW, OR OTHER IMPLIMENT TO A DEPTH OF 3 INCHES. ON SLOPING LAND THE SOIL SHALL BE WORKED ON THE CONTOUR.

### SEEDING DATES AND SOIL CONDITIONS

SEEDING SHOULD BE DONE MARCH 1 TO MAY 31 OR AUGUST 1 TO SEPTEMBER 30. THESE SEEDING DATES ARE IDEAL BUT, WITH THE USE OF ADDITIONAL MULCH AND IRRIGATION SEEDINGS MAY BE MADE ANY TIME THROUGHOUT THE GROWING SEASON. TILLAGE/SEEDBED PREPARATION SHOULD BE DONE WHEN THE SOIL IS DRY ENOUGH TO CRUMBLE AND NOT FORM RIBBONS WHEN COMPRESSED BY HAND.

### DORMANT SEEDINGS

SEEDINGS SHALL NOT BE PLANTED FROM OCTOBER 1 THROUGH

- THE FOLLOWING METHODS MAY BE USED FOR "DORMANT SEEDING"
- FROM OCTOBER 1 THROUGH NOVEMBER 20, PREPARE THE SEEDBED, ADD THE REQUIRED AMOUNTS OF LIME AND FERTILIZER THEN MULCH AND ANCHOR, AFTER NOVEMBER 20, AND BEFORE MARCH 15, BROADCAST THE SELECTED SEED MIXTURE. INCREASE THE SEEDING RATES BY 50% FOR THIS TYPE OF SEEDING.
- FROM NOVEMBER 20 THROUGH MARCH 15, WHEN SOIL CONDITIONS PERMIT, PREPARE THE SEEDBED, LIME AND FERTILIZE, APPLY THE SELECTED SEED MIXTURE, MULCH AND ANCHOR, INCREASE THE SEEDING RATES BY 50% FOR THIS TYPE OF SEEDING.
- APPLY SEED UNIFORMLY WITH A CYCLONE SPREADER, DRILL CULTIPACKER SEEDER. OR HYDRO-SEEDER (SLURRY MAY INCLUDE SEED AND FERTILIZER) ON A FIRM, MOIST SEEDBED.
- WHERE FEASIBLE, EXCEPT WHEN A CULTIPACKER TYPE SEEDER IS USED, THE SEEDBED SHOULD BE FIRMED FOLLOWING SEEDING OPERATIONS WITH A CULTIPACKER, ROLLER, OR LIGHT DRAG, ON SLOPING LAND, SEEDING OPERATIONS SHOULD BE ON THE CONTOUR WHERE FEASIBLE.

| and the second s | PERMANE                          | NT SEEDING                        |                       |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|-----------------------------------|-----------------------|--|
| SEED MIX                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | SEEDING RATE                     |                                   | NOTES:                |  |
| SEED MIX                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | LB./ACRE LB./1,000 S.F.          |                                   |                       |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | GENERAL                          | USE                               |                       |  |
| CREEPING RED FESCUE<br>DOMESTIC RYEGRASS<br>KENTUCKY BLUEGRASS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 20- <b>4</b> 0<br>10-20<br>10-20 | 1/2 - 1<br>1/4 - 1/2<br>1/4 - 1/2 |                       |  |
| TALL FESCUE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 40                               | 1                                 |                       |  |
| DWARF FESCUE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 40                               | 1                                 |                       |  |
| STEEP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | BANKS OR                         | CUT SLOPES                        |                       |  |
| TALL FESCUE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 40                               | 1                                 |                       |  |
| CROWN VETCH<br>TALL FESCUE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 10<br>20                         | 1/4<br>1/2                        | NOT LATER THAN AUGUST |  |
| FLAT PEA<br>TALL FESCUE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 20<br>20                         | 1/2<br>1/2                        | NOT LATER THAN AUGUST |  |
| ROAD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | DITCHES A                        | AND SWALES                        |                       |  |
| TALL FESCUE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 40                               | 1                                 |                       |  |
| DWARF FESCUE KENTUCKY BLUEGRASS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 90<br>5                          | 2 1/4                             |                       |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | LAWN                             | Š                                 |                       |  |
| KENTUCKY BLUEGRASS<br>PERENNIAL RYEGRASS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 60<br>60                         | 1 1/2<br>1 1/2                    |                       |  |
| KENTUCKY BLUEGRASS<br>CREEPING RED FESCUE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 60<br>60                         | 1 1/2<br>1 1/2                    | FOR SHADED AREAS      |  |

### MULCHING SEE MULCH ABOVE

IRRIGATION

- PERMANENT SEEDING SHALL INCLUDE IRRIGATION TO ESTABLISH VEGETATION DURING DRY OR HOT WEATHER OR ON ADVERSE SITE CONDITIONS AS NEEDED FOR ADEQUATE MOISTURE FOR SEED GERMINATION AND PLANT GROWTH.
- EXCESSIVE IRRIGATION RATES SHALL BE AVOIDED AND IRRIGATION MONITORED TO PREVENT EROSION AND DAMAGE FROM RUNOFF.

### MAINTENANCE OF PERMANENT SEEDING

- PERMANENT SEEDING SHALL NOT BE CONSIDERED ESTABLISHED FOR AT LEAST 1 FULL YEAR FROM THE TIME OF PLANTING. SEEDED AREAS SHALL BE INSPECTED FOR FAILURE AND VEGETATION REESATBLISHED AS NEEDED. DEPENDING ON SITE CONDITIONS, IT MAY BE NECESSARY TO IRRIGATE, FERTILIZE, OVERSEED, OR REESTABLISH PLANTINGS IN ORDER TO PROVIDE PERMANENT VEGETATION FOR ADEQUATE EROSION CONTROL.
- MAINTENANCE FERTILIZATION RATES SHALL BE ESTABLISHED BY SOIL TEST RECOMMENDATIONS OR BY USING THE RATES SHOWN IN THE FOLLOWING TABLE.

| FERTILIZATION AND MOWING                              |                 |     |                                              |                          |  |  |
|-------------------------------------------------------|-----------------|-----|----------------------------------------------|--------------------------|--|--|
| MIXTURE                                               | RE FORMULA LB., |     | LIME                                         | MOWING                   |  |  |
| CREEPING RED FESCUE<br>RYEGRASS<br>KENTUCKY BLUEGRASS | 10-10-10        | 500 | FALL.                                        | NOT<br>CLOSER<br>THAN 3" |  |  |
| TALL FESCUE                                           | 10-10-10        | 500 | YEARLY<br>OR AS<br>NEEDED                    | NOT<br>CLOSER<br>THAN 4" |  |  |
| DWARF FESCUE                                          | 10-10-10        | 500 |                                              | NOT<br>CLOSER<br>THAN 2" |  |  |
| CROWN VETCH<br>FESCUE                                 | 0-20-20         | 400 | SPRING,<br>YEARLY<br>FOLLOWING<br>ESTABLISH— | DO NOT                   |  |  |
| FLAT PEA<br>FESCUÉ                                    | 0-20-20         | 400 | MENT AND<br>EVERY 4-7<br>YEARS<br>THEREAFTER | DO NOT<br>MOW            |  |  |

NOTE: SOIL TEST RECOMMENDATIONS PREFERRED OVER ABOVE

- 1. MATERIAL -- EXCELSIOR MATTING SHALL BE 48" WIDE AND WEIGH AN AVERAGE OF 0.75 LB./SY OR GREATER. JUTE MATTING SHALL BE 48" WIDE AND WEIGH AN AVERAGE OF 1.2 LB./SY OR GREATER MATTING MADE OF OTHER MATERIAL AND PROVIDING EQUAL OR CREATER STABILIZATION THAN THE ABOVE MAY BE SUBSTITUTED
- SITE PREPARATION -- AFTER THE SITE HAS BEEN SHAPED AND GRADED. A SEEDBED SHALL BE PREPARED THAT IS RELATIVELY FREE OF FOREIGN MATERIAL, CLODS OR ROCKS THAT ARE GREATER THAN 1.5" IN DIAMETER. THE SITE SHALL BE PREPARED TO INSURE THAT THE MATTING HAS GOOD SOIL CONTACT AND THE MATTING WILL NOT "BRIDGE" OR "TENT" OVER OBSTRUCTIONS.
- MATTING SHALL BE HELD IN PLACE AS RECOMMENDED BY THE MANUFACTURER AS ADEQUATE FOR THE SITE CONDITIONS OR WITH SOD STAPLES. SOD STAPLES SHALL BE No.11 GAUGE OR HEAVIER AND BE 6-10" IN LENGTH. IN LOOSE OR SANDY SOILS LONGER STAPLES SHALL BE USED.
- 4. PLANTING -- LIME AND FERTILIZER SHALL BE USED TO THE RECOMMENDATION OF A SOIL TEST OR A SEEDING PLAN. SEED ACCORDING TO THE MATTING MANUFACTURER'S RECOMMENDATIONS; OR, FOR EXCELSIOR MATTING, SEED AREA TO BE PROTECTED BEFORE INSTALLATION: OR. WHEN USING JUTE MATTING, APPLY HALF THE SEED BEFORE AND HALF THE SEED AFTER INSTALLATION.
- MATTING SHALL BE INSTALLED AS SPECIFIED BY THE MANUFACTURER AS APPROPRIATE FOR THE SITE CONDITIONS OR THE FOLLOWING PROCEDURE MAY BE USED:
  - AFTER THE SITE IS PREPARED AND EROSION STOPS ARE INSTALLED, START LAYING THE MAT FROM THE TOP OF THE SLOPE OR CHANNEL AND UNROLL THE MATTING ALLOWING 4" OVERLAPS AT THE EDGES.
  - SECURE THE MATTING BY BURYING THE TOP ENDS IN A TRENCH " DEEP AND STAPLE THE FOLDED ENDS TO THE BOTTOM OF THE TRENCH, BACKFILL AND TAMP FIRMLY TO THE ESTABLISHED GRADE.
  - STAPLE MATTING EVERY 12" ACROSS THE WIDTH BEGINNING AT THE EDGES AND EVERY 2'IN ROWS THE ENTIRE LENGTH OFTHE MATTING. EVERY OTHER ROW OF STAPLES RUNNING THE LENGTH OF THE MATTING SHOULD BE STAGGERED.
  - TO JOIN TWO ROLLS TOGETHER, CUT A TRENCH TO ANCHOR THE END OF THE NEW ROLL AND SECURE IT THE SAME AS THE TOP ROLL. OVERLAY THE END OF THE PREVIOUS ROLL 18" OVER THE NEW ROLL. CONTINUE TO STAPLE AS DESCRIBED ABOVE.
  - WHEN USING EXCELSIOR MATTING, THE PLASTIC NETTING SHALL BE ON TOP OF THE WOOD FIBER.
- EROSION STOPS SHALL BE USED WHERE RECOMMENDED BY THE MANUFACTURER AND ON AREAS SPECIFIED WHERE HIGH-EROSION POTENTIAL MAY CAUSE UNDERMINING AND GULLIES TO FORM BENEATH THE MATTING.
- EROSION STOPS SHALL BE MADE OF STRIPS OF MATTING PLACED IN NARROW TRENCHES 6-12" DEEP THAT COVER THE FULL CROSS SECTION OF THE CHANNEL. THEY SHALL BE SPACED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS OR BY THE FOLLOWING:
  - 3' DOWN THE CHANNEL FROM EACH POINT OF ENTRY OF CONCENTRATED FLOW,
  - AT POINTS WHERE CHANGES IN GRADIENT OR DIRECTION OF CHANNEL OCCURS, AND
  - ON LONG SLOPES AT SPACING FROM 20-100' DEPENDING UPON THE ERODIBILITY OF THE SOIL, VELOCITY AND VOLUME
- EROSION STOPS SHALL EXTEND BEYOND THE CHANNEL LINER TO THE FULL DESIGN WIDTH OF THE CHANNEL
- EROSION STOPS SHALL BE CONSTRUCTED WITH 6" DEEP TRENCH, STAPLED TO THE BOTTOM OF THE TRENCH, BACKFILLED AND TAMPED FIRMLY TO CONFORM WITH THE CROSS SECTION OF THE CHANNEL.
- IF SEEDING HAS BEEN DONE PRIOR TO INSTALLATION OF EROSION STOPS, RESEED DISTURBED AREAS PRIOR TO PLACEMENT OF CHANNEL LINER.

### NON-SEDIMENT POLLUTION CONTROL

CONSTRUCTION PERSONNEL. INCLUDING SUBCONTRACTORS WHO MAY USE OR HANDLE HAZARDOUS OR TOXIC MATERIALS. MUST BE MADE AWARE OF THE FOLLOWING GUIDELINES:

- CONTAINERS SHALL BE PROVIDED FOR COLLECTION OF ALL WASTE MATERIAL INCLUDING CONSTRUCTION DEBRIS, TRASH, PETROLEUM PRODUCTS AND ANY HAZARDOUS MATERIALS TO BE USED ON SITE. ALI WASTE MATERIAL SHALL BE DISPOSED OF AT FACILITIES APPROVED FOR THAT MATERIAL.
- NO WASTE MATERIALS SHALL BE BURIED ON-SITE. SITE PERSONNEL INCLUDING SUBCONTRACTORS SHALL BE NOTIFIED THAT NO CONSTRUCTION-RELATED MATERIALS ARE TO BE BURIED ON-SITE.
- MIXING, PUMPING, TRANSFERRING OR OTHERWISE HANDLING CONSTRUCTION CHEMICALS SUCH AS FERTILIZER, LIME, ASPHALT, CONCRETE DRYING COMPOUNDS, AND ALL OTHER POTENTIALLY HAZARDOUS MATERIALS SHALL BE PERFORMED IN AN AREA AWAY FROM ANY WATERCOURSE, DITCH OR STORM DRAIN.
- EQUIPMENT FUELING AND MAINTENANCE, OIL CHANGING, ETC., SHALL BE PERFORMED AWAY FROM WATERCOURSES, DITCHES OR STORM DRAINS. IN AN AREA DESIGNATED FOR THAT PURPOSE. THE DESIGNATED AREA SHALL BE EQUIPPED FOR RECYCLING OIL AND CATCHING SPILL.
- CONCRETE WASH WATER SHALL NOT BE ALLOWED TO FLOW INTO STREAMS, DITCHES, STORM DRAINS, OR ANY OTHER WATER CONVEYANCE A SUMP OR PIT SHALL BE CONSTRUCTED IF NEEDED TO CONTAIN CONCRETE WASH WATER.
- IF HAZARDOUS SUBSTANCES SUCH AS OIL, DIESEL FUEL, HYDRAULIC FLUID, ANTIFREEZE, ETC. ARE SPILLED, LEAKED, OR RELEASED ONTO THE SOIL. THE SOIL SHOULD BE DUG UP AND DISPOSED OF WITH THE TRASH AT A LICENSED SANITARY LANDFILL (NOT A CONSTRUCTION/DEMOLITION DEBRIS LANDFILL). SPILLS ON PAVEMENT SHALL BE ABSORBED WITH SAWDUST OR KITTY LITTER AND DISPOSED OF WITH THE TRASH AT A LICENSED SANITARY LANDFILL. HAZARDOUS OR INDUSTRIAL WASTES SUCH. AS MOST SOLVENTS, GASOLINE, OIL-BASED PAINTS, AND CEMENT CURING COMPOUNDS REQUIRE SPECIAL HANDLING. CONTACT OHIO EPA (1-800-282-9378).
- SPILLS OF 25 GAL. OR MORE OF PETROLEUM PRODUCTS SHALL BE REPORTED TO OHIO EPA (1-800-282-9378), THE LOCAL FIRE DEPARTMENT, AND THE LOCAL EMERGENCY PLANNING COMMITTEE WITHIN 30 MIN. OF THE DISCOVERY OF THE RELEASE.

RIPRAP D15 SPHERICAL D50 SPHERICAL DIAMETER (FT) DIAMETER (FT) 1.0 TYPE 'B' TYPE 'C 0.5 1.0

TYPE 'D' 0.5 0.25 THICKNESS: THE MINIMUM THICKNESS OF THE RIPRAP SHALL BE 1.5 TIMES THE MAXIMUM STONE DIAMETER BUT NOT LESS THAN 6 INCHES.

STONE OF RECTANGULAR SHAPE. THE SPECIFIC GRAVITY OF INDIVIDUAL STONES SHALL

BE 2.5. RUBBLE CONCRETE MAY BE USED PROVIDED IT HAS A DENSITY OF AT LEAST 150 POUNDS PER CUBIC FOOT. FILTER BLANKET: PLASTIC FILTER BLANKET MATERIAL WILL CONFORM TO THE FOLLOWING

QUALITY: STONE FOR RIPRAP SHALL CONSIST OF FIELD STONE OR ROUGH UNHEWN QUARRY

- PARTICLE SIZE RELATIONSHIPS: 1. ADJACENT TO GRANULAR MATERIALS CONTAINING LESS THAN 50% FINE
  - PARTICLES (0.074mm) BY WEIGHT -A. d85 BASE (mm)/EOS\* FILTER (mm) = GREATER THAN 1
  - TOTAL OPEN AREA OF FILTER IS LESS THAN 36%
- 2. ADJACENT TO ALL OTHER SOILS A. EOS\* LESS THAN U.S. STANDARD SIEVE No. 70
- B. TOTAL OPEN AREA LESS THAN 10% EOS\* - EQUIVALENT OPENING SIZE TO A U.S. STANDARD SIEVE SIZE.

SUBGRADE PREPARATION: THE SUBGRADE FOR THE RIPRAP OR FILTER MATERIAL SHALL BE PREPARED TO THE REQUIRED LINES OR GRADES OR EMBEDDED IN EXISTING GROUND. ANY FILL REQUIRED IN THE SUBGRADE SHALL BE COMPACTED TO A DENSITY EQUAL TO THAT OF THE SURROUNDING GROUND. BRUSH, TREES, STUMPS, AND OTHER OBJECTIONABLE MATERIAL SHALL BE REMOVED.

FILTER BLANKET: PLACEMENT OF THE FILTER BLANKET SHOULD BE DONE IMMEDIATELY AFTER SLOPE PREPARATION. THE CLOTH SHOULD BE PLACED DIRECTLY ON THE PREPARED SLOPE. THE EDGES OF THE SHEETS SHOULD OVERLAP BY AT LEAST 12 INCHES. ANCHOR PINS, 15 INCHES LONG, SHOULD BE SPACED EVERY 3 FEET ALONG THE OVERLAP. THE UPPER AND LOWER ENDS OF THE SHEETS SHOULD BE BURIED A MINIMUM OF 12 INCHES DEEP. FOR STONES 12 INCHES AND LARGER, AN ADDITIONAL 4 INCH LAYER OF GRAVEL MAY BE REQUIRED TO PROTECT THE CLOTH.

STONE PLACEMENT: PLACEMENT OF THE RIPRAP SHOULD IMMEDIATELY FOLLOW THE PLACEMENT OF THE FILTER. THE FINISHED SLOPE SHOULD BE FREE OF POCKETS OF SMALL STONE OR CLUSTERS OF LARGE STONES. HAND PLACING MAY BE NECESSARY TO ACHIEVE THE DESIRED GRADES AND A GOOD DISTRIBUTION OF STONE SIZES.

MAINTENANCE: THE RIPRAP SHOULD BE INSPECTED PERIODICALLY TO DETERMINE IF HIGH FLOWS HAVE CAUSED SCOUR BENEATH THE FILTER BLANKET OR DISLODGED ANY OF THE STONE. IF REPAIRS ARE NEEDED, THEY SHOULD BE ACCOMPLISHED IMMEDIATELY.

DESIRABLE CONSTRUCTION SEQUENCE

INSTALL SOIL STABILIZATION AND SEDIMENT CONTROL PRACTICES CONSTRUCTION ROAD ENTRANCE(S) DETENTION / SEDIMENT BASINS SEDIMENT TRAPS DIVERSIONS

APPROPRIATE SEDIMENT BARRIERS GRADE SITE/STOCKPILE TOPSOIL RIGHT OF WAY DIVERSIONS/WATER BARS APPLY VEGETATIVE COVER TO AREAS TO BE DORMANT FOR 45

- DAYS OR MORE PRESERVE AND PROTECT EXISTING VEGETATION
- 4. INSTALL STORMWATER MANAGEMENT MEASURES STORM SEWERS DROP INLET PROTECTION
- TEMPORARY VEGETATIVE STABILIZATION TEMPORARY SEEDING **VEGETATIVE FILTERS**
- INSTALL PARKING AND ROAD SUBGRADE
- AGGREGATE COVER 8. SITE CONSTRUCTION WORK CURB AND GUTTER RESIDENTIAL/COMMERCIAL CONSTRUCTION RIGHT OF WAY GRADING
- SURFACE ROADS AND PARKING (PAVING)
- PERMANENT OR DORMANT SEEDING SODDING (WHERE REQUIRED) 11. FINAL SITE STABILIZATION
- 12. FINAL SITE INSPECTION 45 DAYS AFTER FINAL SITE STABILIZATION IS COMPLETE

STORM WATER POLLUTION PREVENTION PLAN

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DITCHES AND DITCH LININGS INSTALL PUBLIC UTILITIES

MULCHING

TEMPORARY SEEDING CURB INLET PROTECTION 10. PERMANENT VEGETATIVE STABILIZATION

FINAL LANDSCAPING REMOVE TEMPORARY SEDIMENT CONTROL MEASURES

DISPOSE OF TRAPPED SEDIMENT