# PHASE I IMPROVEMENT PLANS

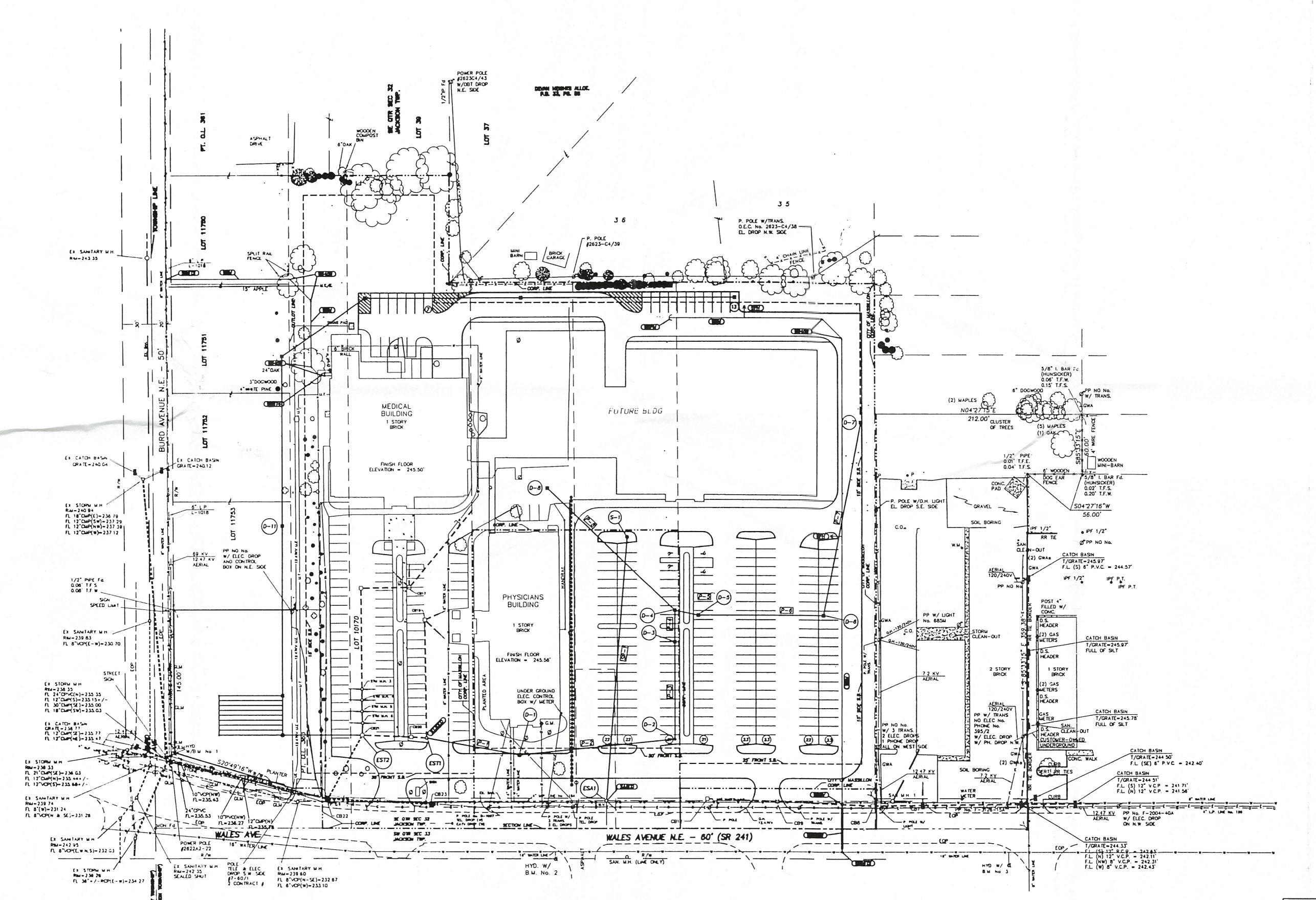
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# AULTMAN WEST

FOR: AULTMAN HEALTH FOUNDATION DATE: APRIL 2000

# SHEET INDEX

- CI. TITLE SHEET
- C2. NOTES, DETAILS AND ESTIMATED QUANTITIES
- C3. EXISTING CONDITIONS AND DEMOLITION PLAN
  C4. GRADING PLAN
- C5. UTILITY PLAN
- CEI-CE4. STORM WATER POLLUTION PREVENTION PLANS



SITE SCHEMATIC

SCALE: 1°=50'

PLANS PREPARED BY: COOPER & ASSOCIATES, LLP

ENGINEERS & SURVEYORS

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PHONE: (330) 452-5731 FAX: (330) 452-9110

JOB #: 00149 SHEET #: CI OF C5

### DESCRIPTION OF WORK TO BE PERFORMED:

- WORE TO BE PERFORMED AS A PART OF THE PHASE I IMPROVEMENTS SHALL INCLUDE, BUT SHALL NOT BE LIMITED TO
- THE FOLLOWING

  CLEARING THE SITE (AS DESIGNATED BY THE DISTURBANCE LIMITS) OF ANY AND ALL DISTRUCTIONS AS SHOWN ON THE DEMOLITION PLAN. IN ANY OF DISTRUCTIONS EXIST WHICH ARE MOT SHOWN ON THE DEMOLITION PLAN. THERE REMOTAL SHALL BE COORDINATED WITH THE OWNER.

  SITE GRADDING SHALL BE PERFORMED IN GENERAL COMPOSITIONED WITH THE GRADING PLAN. THE GRADES SHOWN ON THE GRADING PLAN ARE FINISH GRADE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING SITE TO PROPOSED SUBGRADE.
- PROPOSED SUBGRADE

  UTRITY SETEMBONS SHALL SE MADE IN COMPORMANCE WITH THE UTILITY PLAN. SUILDING UTILITY CONNECTIONS

  WAL SE PANT OF THE SUBSEQUENT PHASE

  PAYEMENT IMPROVEMENTS, PROPOSED BUILDING CONSTRUCTION AND PARKING LOT IMPROVEMENTS ARE NOT

  MICLUDED IN THIS PHASE, NOWEVER, THEY WILL SE INCLUDED IN PHASE 3

### SENERAL MOTEL:

ALL WORE SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE CODES, ORDINANCES, AND STANDARD SPECIFICATIONS OF THE CITY OF MASSILLON. IN LIEU OF ANY LOCAL SPECIFICATIONS, WORK SHALL BE PERFORMED IN COMPORMANCE WITH THE STATE OF ONIO DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS MOST RECENT EDITION. SPECIFICATIONS MOST RECENT EDITION

THE CONTRACTOR SHALL SE RESPONSISLE FOR OSTAINING ALL REQUIRED PERMITS FOR CONSTRUCTION. WITH THE SECEPTION OF THE OCOT PERMIT FOR THE DRIVE ENTRANCE AND UTILITY WORK TO SE PERFORMED ON S.R. 241 ALL EXISTING FIELD CONDITIONS SHALL BE FIELD CHECKED AND VERIFIED BY THE CONTRACTOR PRIOR TO BIDDING AND CONSTRUCTION. SHOULD THERE BE ANY DISCREPANCY BETWEEN THE PLANS AND ACTUAL FIELD CONDITIONS.
CONTRACTOR MUST SEEK WRITTEN CLARIFICATION FROM THE OWNER'S REPRESENTATIVE PRIOR TO COMMENCEMENT.

SHOULD THE CONTRACTOR ENCOUNTER CONFLICT BETWEEN THESE PLANS AND SPECIFICATIONS, EITHER AMONG THEMSELVES OR WITH THE REQUIREMENTS OF ANY AND ALL REVIEWING AND PERMIT-ISSUING AGENCIES, HE SHALL SEEK CLARIFICATION, IM WRITING, FROM THE OWNER'S REPRESENTATIVE BEFORE DEMOLITION OPERATIONS COMMENCE IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONSTRUCT ALL ITEMS ON THESE PLANS USING CONSTRUCTION WEARS AND METHODS THAT WILL PROTECT PROPERTY AND PREVENT BOOKY INJURY AND/OR DEATH. THE CONTRACTOR SHALL TAKE ANY MECESSARY SAPETY PRECAUTIONS TO COMPLY WITH THE SAPETY REQUIREMENTS OF THE CITY, STATE

#### DEMOLITION MOTES:

DEMOLITION SHALL BE PERFORMED. AND EQUIPMENT STORED, IN A MANNER WHICH PERMITS EXISTING FACILITIES TO PERFORM WITHOUT INTERRUPTION

ALL DEMOLITION ITEMS SHALL BE REMOVED FROM THE SITE IM ACCORDANCE WITH THE OWNER'S DIRECTION, AND SHALL BE PERFORMED IM ACCORDANCE WITH THE FOLLOWING ODOT ITEMS

ITEM 281 - CLEARING AND GRUBBING, WHICH SHALL CONSIST OF, BUT SHALL NOT BE LIMITED TO, SCALPING AREAS OF PROPOSED EXCAVATION AND EMBANKMENT, REMOVAL OF TREES AND STUMPS, AND ALL VEGETATION AND DEBRIS AS REQUIRED

 ITEM 383 - REMOVAL OF STRUCTURES AND OBSTRUCTIONS, WHIGH SHALL CONSIST OF, BUT SHALL NOT BE LIMITED TO, REMOVAL OF ALL BUILDINGS, STRUCTURES, AND ANY OTHER ITEMS SPECIFIED AS SUCH BACEFILLING OF REMOVED BUILDINGS AND STRUCTURES AS REQUIRED SHALL BE IN ACCORDANCE WITH ODOT ITEM 203 ALL PAVENEUT GRAVEL & CONCRETE AREAS LOCATED WITHIN THE LIMITS OF DEMOLITION ARE TO BE REMOVED FROM BITE IN ACCORDANCE WITH OWNER'S DIRECTION ALL DRIVE ENTRANCES ONTO WALES AVENUE NOT REQUIRED FOR THE PROPOSED ENTRANCE OR FOR CONSTRUCTION

ACCESS ARE TO SE REMOVED CERTAIN DESIGNATED AREAS DO NOT REPRESENT THE CURRENT TOPOGRAPHY OF THIS SITE, AND ADDITIONAL SENDLITION WILL BE REQUIRED. THIS INCLUDES TWO ROWS OF PARKING ALONG THE NORTH END OF THE EXISTING PRISECUAN'S BUILDING. IT SHALL SE THE CONTRACTOR'S RESPONSIBILITY TO PERFORM AN ON-SITE EVALUATION OF THE BITS TO DETERMINE THE EXTENTS OF THE NECESSARY DENOLITION ITEMS.

ALL ITEMS DESIGNATED FOR RELOCATION SHALL BE DONE SO IM ACCORDANCE WITH THE OWNER AND ANY GOVERNING ABBUCY (I.E. UTILITY COMPANY) AS IS APPLICABLE DEMOLITION AND ABANDONMENT OF EXIST 6" WATER LINE SHOWN ON THIS PLAN IS NOT TO OCCUR UNTIL SUCH TIME AS THE NEW 6" WATER LINE SERVICE FROM BURD AVENUE HAS BEEN CONNECTED AND APPROVED. SEE UTILITY PLAN. BREET 8

### RADING AND PAYING MOIES

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ON-SITE EROSION CONTROL IN CONFORMANCE WITH REQUIREMENTS OF BECESS BARTHWORK MATERIALS WAY BE DISTRIBUTED ON THE SITE IN ACCORDANCE WITH THE OWNERS DIRECTION ALL DISTURSED VARD AREAS ENALL OF FIRE GREEKE SEEDED PERTILIZED AND MULCHED IN ACCORDANCE WITH DOOF

BMBAMBMENT CONSTRUCTION AND SUBGRADE COMPACTION SHALL BE IN GENERAL GONFORMANCE WITH ODOT SPECIFICATIONS AND MORE SPECIFICALLY AS POLLOWS

STANDARD PROCTOR WITHIN BUILDING LIMITS (TO 8'OUTSIDE BUILDING LIME) AND UNDER PAVEMENT = 100%
STANDARD PROCTOR IN UTILITY TRENCHES = 95%
STANDARD PROCTOR IN TARD AREAS = 86%

### COMTRACTOR SHALL ADJUST FOR EXISTING UTILITIES AS NECESSARY

THE FOLLOWING MATERIALS ARE APPROVED FOR THE STORM SEWER UNLESS OTHERWISE DESIGNATED ON THE PLAN WETALLATION TO BE IN ACCORDANCE WITH ODOT TYPE B'UNLESS OTHERWISE NOTED ON THE PLAN . REINFORCED CONCRETE PIPE PER GOOT ITEM 403 . HIGH DENSITY POLYETHYLENE CORRUGATED PIPE WITH SMOOTH INTERIOR PER ODOT ITEM 844

- CATCH BABIN TOP BLAS AND GRATE SHALL SE MODIFIED FOR HIGHWAY LOADING AS REQUIRED. GRATE TO BE SIKE SAFE THE POLLOWING MATERIALS ARE ACCEPTABLE FOR THE SANITARY SERVICE LATERAL, HOWEVER, THE COMPLETE SYSTEM BHALL BE UNIFORM IN MATERIAL

  OF VERSITA STRENGTH ASTM C 700 WITH COMPRESSION TYPE JOINTS IN CONFORMANCE WITH ASTM C-428.

  ABS COMPOSITE PIPE ASTM D 2000 WITH CHEMICALLY WELDED PREMIUM JOINTS.

  PYC PIPE ASTM D-3034, SDR 38 MAXIMUM WITH GASKETED PREMIUM JOINTS ASTM D-3212.
- COMTACT COOPER & ASSOCIATES FOR COMSTRUCTION LAYOUT OR FOR COORDINATE POINT LOCATIONS FOR AS

### ZONING DATA

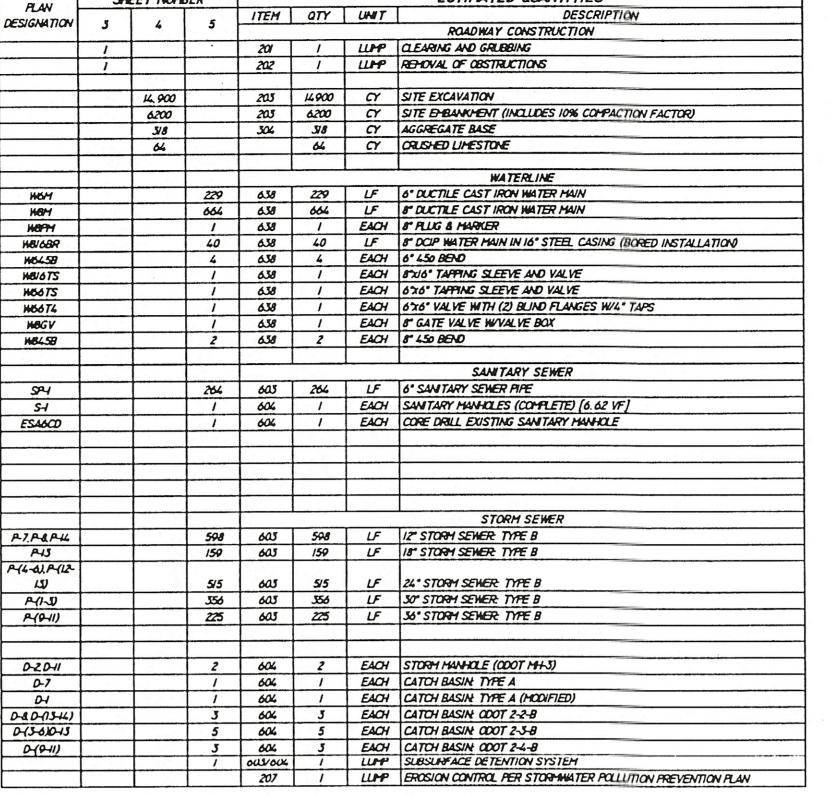
- CITY OF MASSILL ON

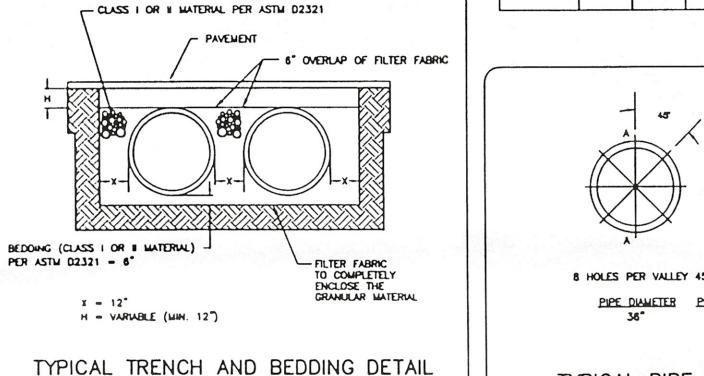
  ZONING CLASSIFICATION: 0-2 OFFICE DISTRICT
- MINIMUM FRONT YARD: 25 FEET . MINIMUM SIDE YARD: 15 FEET MINIMUM REAR YARD: 20 FEET
- JACKSON TOWNSHIP

HINIMUM REAR YARD: 20 FEET (N/A)

 ZONING CLASSIFICATION: B-3 COMMERCIAL DISTRICT . HINIMUM FRONT YARD: 50 FEET . HINIMUM SIDE YARD: 15 FEET (N/A)

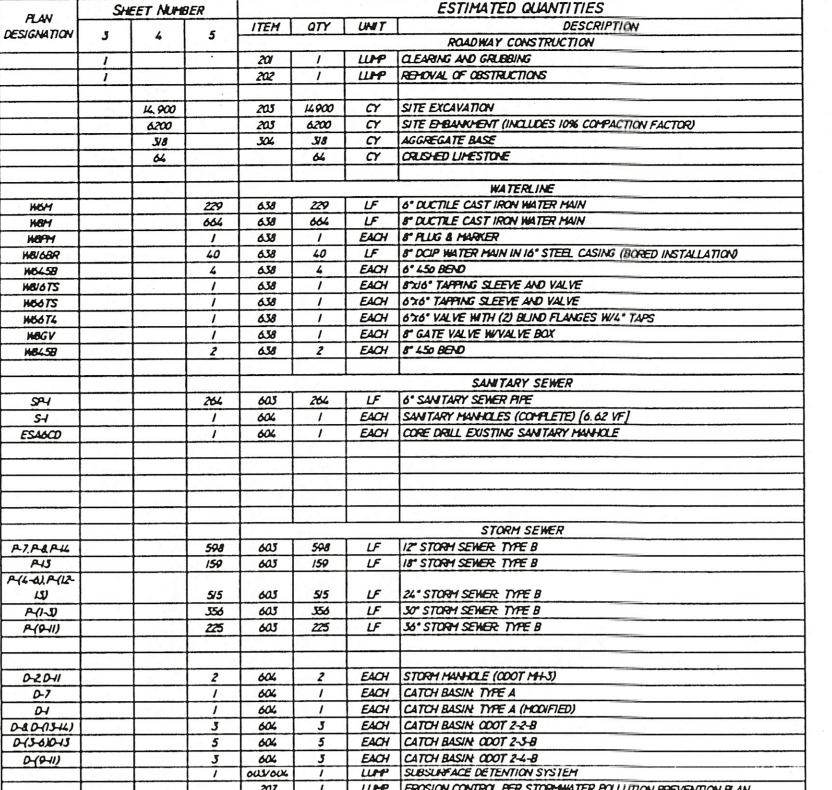
- SPACES REQUIRED FOR EXISTING P.O.B. 14.400 SF/200 NSF
- MEDICAL/DENTAL OFFICE 601.2 (PER JACKSON TWP. ZONING)
- SPACES REQUIRED FOR EXISTING M.O.B. -52 SPACES (10,203 SF/200 NSF) BUSINESS PROFESSIONAL OFFICE - 1183.01 43 SPACES (II BEDS IN ER + ((20 OR STAFF)/3)) HOSPITALS - 1183.01 (PER CITY OF HASSILLON ZONING)
- 176 SPACES REQUIRED FOR NEW ADDITION -155 SPACES (30.804 SF/200 NSF) BUSINESS/PROFESSIONAL OFFICE - 11830.01 -21 SPACES (IL BEDS IN OR + ((20 OR STAFF)/3)) HOSPITALS - 1183.01 (PER CITY OF HASSILLON ZONING)
- SIS TOTAL SPACES REQUIRED (B HANDICAP SPACES, 305 STANDARD SPACES)
- 374 SPACES PROVIDED

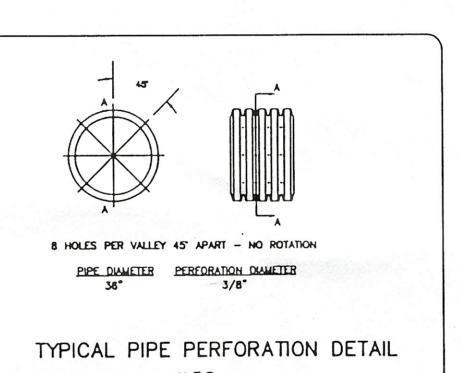


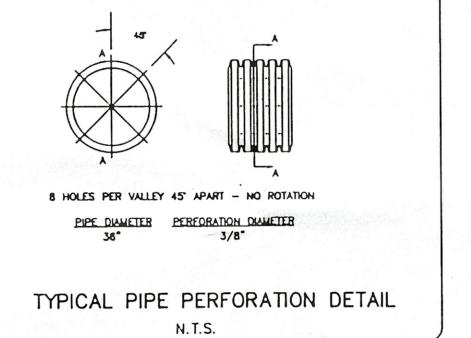


N.T.S.

SECTION C-C







LOCATION AND ELEVATION WHEN CIVEN ON THE

GRATE - THE DESIGN SHULL BE ESSENTIVLLY THE

SAME AND EQUALLY AS STRONG AS THE ONE SHOWN

THICKHESS OF 8" INCHES. PRE-CAST SHALL HAVE

CONCRETE - CAST-IN-PLACE SHALL BE CLASS C. ALL PRE-CAST CONCRETE SHALL MEET THE REQUIREMENTS OF GOOT ITEM 706.03 WITH 6 ±2%

AIR VOID CONTENT AND BE MARKED WITH CATCH

OPENINGS FOR PIPES SHALL BE 0.0.+2" WHEN FAIRBICATED OR FIELD CUT.

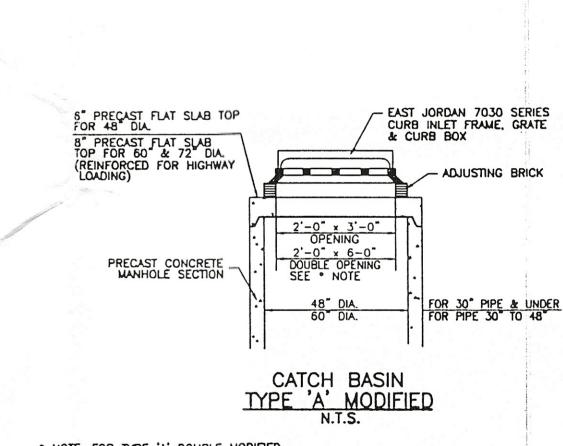
A MINIMUM THICKNESS OF SIX INCHES AND BE REINFORCED SUFFICIENTLY TO PERMIT SHIPPING AND

PLAN IS TOP CENTER OF THE GRATE.

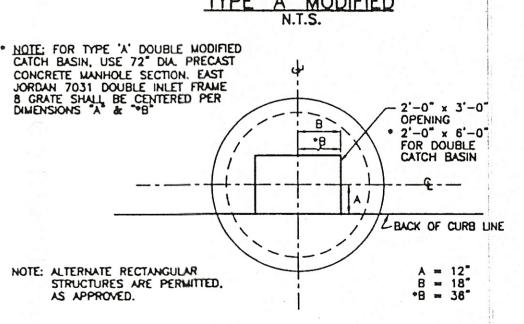
WEIGHT OF CRATE LAMBAUM = 120 LBS.

HANDLING WITHOUT DAMAGE.

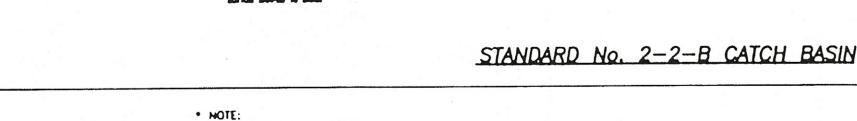
CONCRETE WALLS SHALL HAVE A HOMBAL

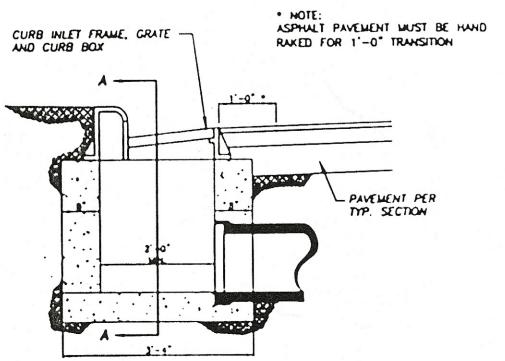


37/2

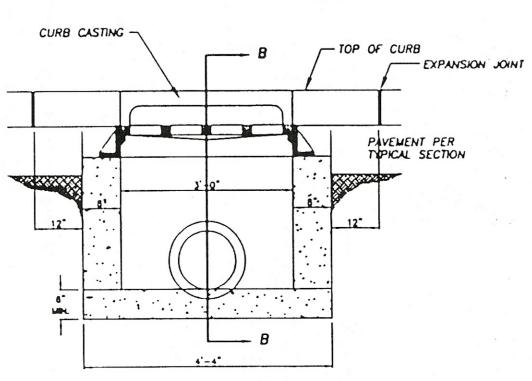


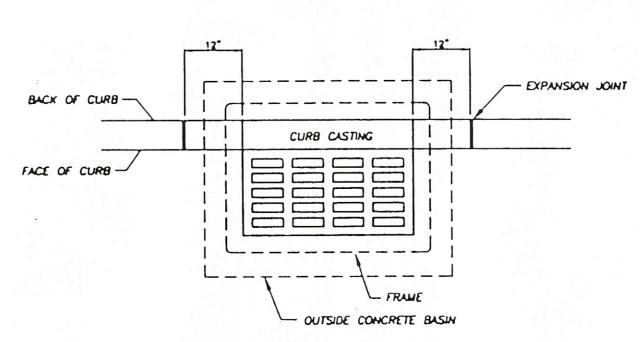
FLAT SLAB DETAIL FOR TYPE 'A' MODIFIED CATCH BASIN





SECTION A-A



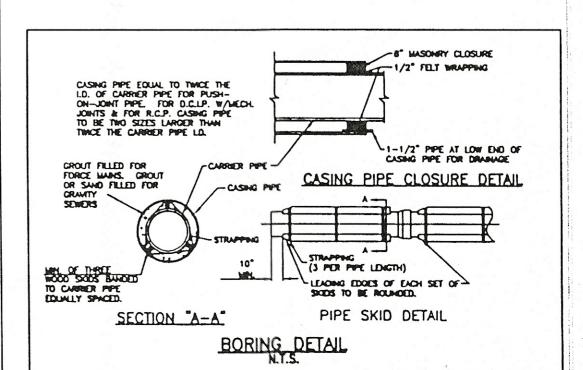


PLAN

NEENAH CATALOG No. R-3246 CURB INLET FRAME, GRATE AND CURB BOX SHALL BE USED FOR ALL CATCH BASINS AND CATCH BASIN MANHOLES. FOR "DOUBLE" SPECIFY R-3246 DOUBLE CURB INLET FRAME, GRATE AND CURB BOX.

BEARING AREAS OF FRAME AND GRATE SHALL BE SO FITTED AND EVEN SEAT FOR ALL PORTIONS OF THE GRATE IN THE FRAME. NO PROJECTIONS SHALL EXIST ON BEARING AREAS OF EITHER CASTING AND THE GRATE SHALL SEAT IN ITS FRAME WITHOUT ROCKING. FRAME AND GRATE SHALL BE FITTED, MATCHED AND MARKED BEFORE

DELIVERY TO THE PROJECT. PAVEMENT - PORTION BLOCKED OUT OF THE PAVEMENT SHALL BE PLACED AFTER THE CASTING HAS BEEN SET BUT SHALL BE PAID FOR AS PART OF THE PAVEMENT.



NOTES, DETAILS AND ESTIMATED QUANTITIES

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VD ESTIMATED AULTMAN

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& ASSOCIAT

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CONCRETE WHILE WHILE HAVE A MINIOUS, WINDOWS OF ST MINIOUS POPULATION WHILE WHILE A MINIOUS MAY REACH MAY REPORTED MAY REPORT MAY RE

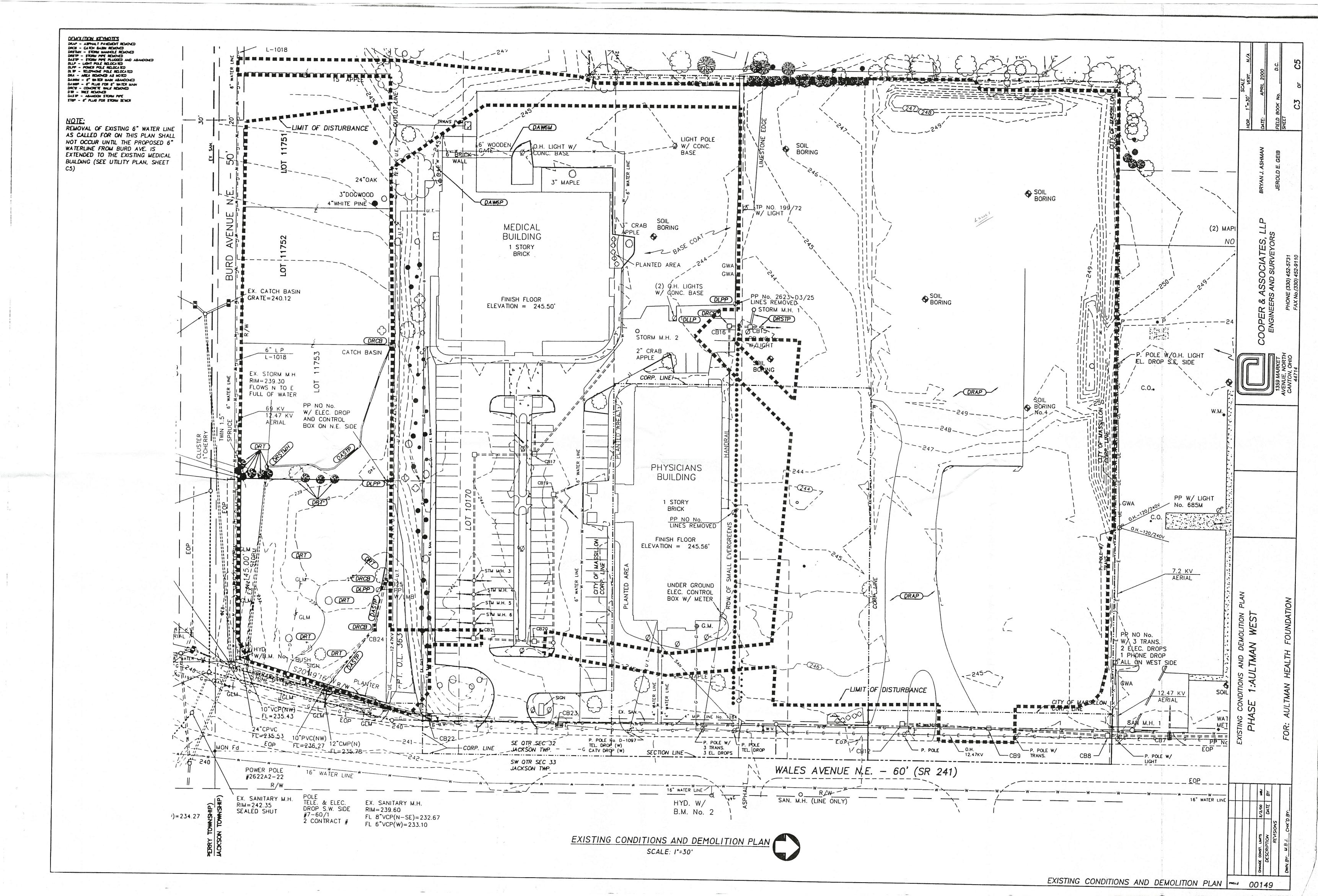
CONCRETE - CHE-O-PLACE DIVIL SE CLASS C. AL: PEL-CHOF CONCRETE SHALL SHEET THE SELEMENTATION OF SHEET SHEET SHEET SHEET AND CONCRETE AND SEE SHARED TABLE CHARGE STREET BLASTERS.

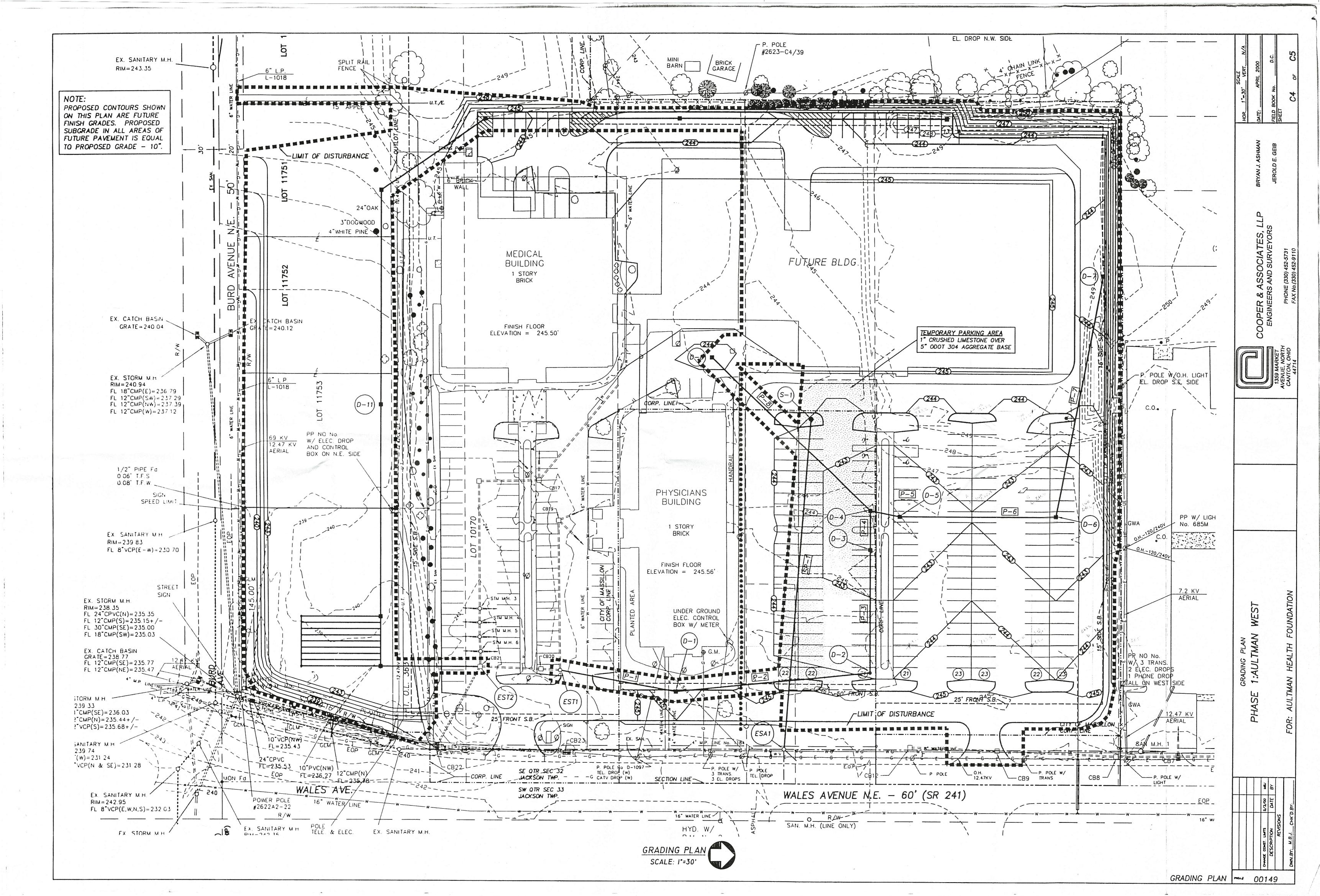
OFFICIAL PER PART DALL BY GRA-4" BASIS PRESIDENT OF PERS OUT.

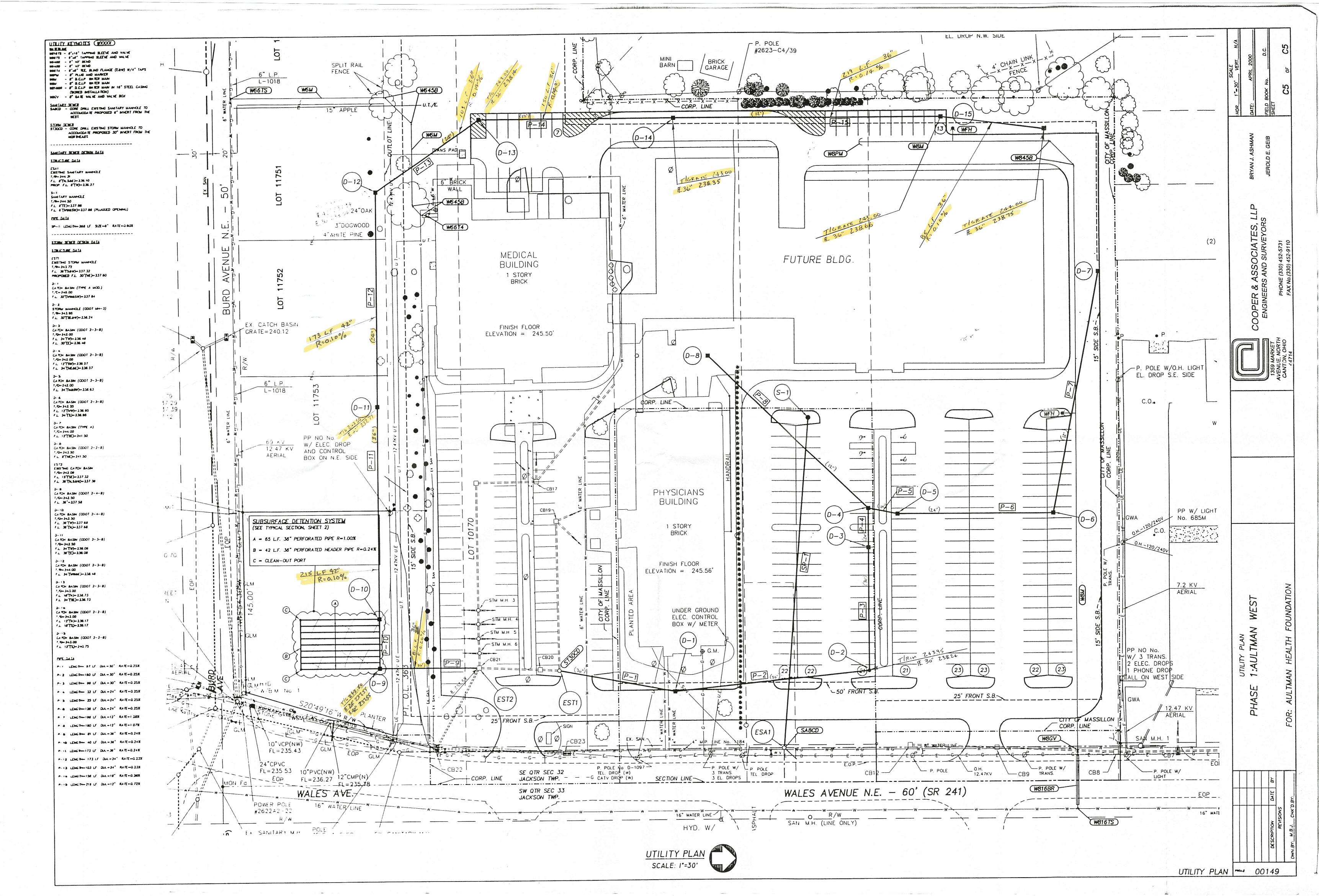
STEPS BOAL ME PROMISES WHEN THE SERVICEMENTS OF MARY. IN STREET, MARY THE SERVICEMENTS OF MARY.

tend of could bender - to the

TYPE "A" CATCH BASIN







MONITY MAP

BEST MANAGEMENT PRACTICE LEGEND BEST MANAGEMENT PRACTICES PRACTICES USED IN THIS PLAN SOIL STOCKPILE PROTECTION TEMPORARY SEEDING PERMANENT SEEDING DORMANT SEEDING RIPRAP SODDING MULCHING CONSTRUCTION ENTRANCE MATTING SOIL STOCKPILE PROTECTION SURFACE ROUGHENING EXIST. VEGETATION PRESERVATION RIPRAP DIVERSION CRS CONSTR. ROAD STABILIZATION LEVEL SPREADER(RIPRAP OR GRASS) CONSTRUCTION ENTRANCE SURFACE ROUGHENING STORM WATER CONVEYANCE CHANNEL TEMP. DIVERSION DIKE FD TEMP. FILL DIVERSION STORM WATER CONVEYANCE CHANNEL SLOPE DRAIN W/EROSION CONTROL LINING WATER BAR DIVERSION STORM WATER CONVEYANCE CHANNEL \$6\$\$\$\$\$\$\$\$\$\$\$ L(P.R.G)LEVEL SPREADER LINED W/DUMPED ROCK OR RIPRAP TEMP. SLOPE DRAIN STORM WATER CONVEYANCE CHANNEL CHECK DAM WATERWAY DROP STRUCTURE WATERWAY DROP STRUCTURE CHECK DAM SD SUBSURFACE DRAINAGE SUBSURFACE DRAINAGE OUTLET PROTECTION =88 OUTLET PROTECTION PAVED FLUME SEDIMENT BASIN PAVED FLUME/TEMP SLOPE DRAIN SEDIMENT TRAP DROP INLET SEDIMENT TRAP DROP INLET SEDIMENT TRAP SILT FENCE SILT FENCE ------DROP INLET PROTECTION FILTER STRIP CURB INLET PROTECTION FILTER STRIP DRAINAGE STRUCTURE PROTECTION VEGETATIVE STREAMBANK STABILIZATION ---(DROP INLET, CURB INLET, MANHOLE) STRUCTURAL STREAMBANK STABILIZATION TEMP. STREAM CROSSING TEMP STREAM CROSSING USC UTILITY STREAM CROSSING SCT SEDIMENT CONTROL TRENCH CONTAINMENT BERM

STABILIZATION TYPE	NAL	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ост	NOV	DE
PERMANENT SEEDING			A						A			
						•	0					
DORMANT SEEDING	В		В									
TEMPORARY SEEDING			С			С	D		D			
						•	•					
SODDING			Ε						Ε			
	a		••									
MULCHING	F									***		

KASS AT 90 LB/AC MIXED WITH PERENIAL RYEGRASS AT 30 LB/AC

B = KENTUCKY BLUEGRASS AT 135 LB/AC MIXED WITH PERENIAL RYEGRASS AT 45 LB/AC PLUS 2 TONS/AC STRAW MULCH

C = SPRING OATS AT 100 LB/AC

D - WHEAT OR CEREAL RYE AT 150 LB/AC

F = STRAW MULCH AT 2 TONS/AC

\* = IRRIGATION NEEDED DURING JUNE AND JULY

\*\* = IRRIGATION NEEDED FOR 2-3 WEEKS AFTER APPLYING SOD

CONTAINMENT BERM

INTRODUCTION:

THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE NPDES PERMIT FOR CONSTRUCTION SITES IN OHIO.

THE CONTRACTOR SHALL INSTALL AND MAINTAIN THE PRACTICES INDICATED IN ACCORDANCE WITH THE INCLUDED SEQUENCE OF CONSTRUCTION AND THE DETAILS AND SPECIFICATIONS CONTAINED IN RAINWATER AND LAND DEVELOPMENT DIV. OF SOIL AND WATER CONSERVATION, ODNR.

PROJECT DESCRIPTION:

AULTMAN WEST IS THE PROPOSED EXPANSION OF AN EXISTING MEDICAL FACILITY CONSISTING OF BUILDINGS, DRIVES AND PARKING AREAS SIMILAR TO WHAT IS EXISTING AND TYPICAL OF A COMMERCIAL DEVELOPMENT.

THE SITE CONSISTS OF APPROXIMATELY 9 ACRES OF WHICH APPROXIMATELY 6 ACRES OF THE REMAINING AREA WILL BE DISTURBED BY THE CONSTRUCTION OF THE ROADWAYS AND UTILITIES.

THE EXISTING AVERAGE RUNOFF COEFFICIENT IS ASSUMED TO BE 0.45. THE FULLY DEVELOPED RUNOFF COEFFICIENT IS EXPECTED TO BE 0.85. THE ANTICIPATED INCREASE IN RUNOFF IS 90%

THE SITE SLOPES GENERALLY FROM NORTHWEST TO SOUTHEAST AT A RATE OF APPROXIMATELY 1.3%. THE SITE IS TO BE GENERAL LEVELED, EXCAVATION THE NORTHWEST AND FILLING THE SOUTHEAST PORTIONS.

THE SOILS OF THE SITE ARE CANFIELD SILT LOAMS WHICH HAVE ONLY A MODERATE POTENTION FOR EROSION. THE SLOPES ON THE SITE THAT ARE PROPOSED TO BE STEEP ENOUGH FOR EROSION TO BE A HAZARD ARE VERY SHORT. WITH PROPER ATTENTION PAID BY THE CONTRACTOR IN THESE AREAS AND PROMPT STABILIZATION CAN MINIMIZE ANY SIGNIFICANT EROSION.

THERE ARE NO ACTIVE STREAMS OR PONDS ON THE SITE OR ADJACENT TO IT. THERE ARE NO AREAS WHICH CAN BE CONSIDERED CRITICAL AS LONG AS THE APPROPRIATE PRACTICES ARE IMPLEMENTED.

THE CURRENT LAND USE OF THE PORTION TO BE MODIFIED BY THIS IMPROVEMENT IS DORMANT WITH SCRUB AND BRUSH WHICH ARE TYPICAL OF DORMANT LAND.

WITH APPROPRIATE PRECAUTIONS, THE QUALITY OF RUNOFF SHOULD BE UNCHANGED FROM WHAT IS PRODUCED BY THE EXISTING CONDITIONS.

THE RECEIVING WATER FOR RUNOFF FROM THIS SITE IS THE TUSCARAWAS RIVER VIA MUNICIPAL STORM SEWERS AND UNNAMED TRIBUTARIES.

EROSION AND SEDIMENT CONTROL MEASURES:

EROSION AND SEDIMENT CONTROL PRACTICES INDICATED ON THIS PLAN SHALL MEET THE STANDARDS AND SPECIFICATIONS CONTAINED IN THE CURRENT EDITION OF RAINWATER AND LAND DEVELOPMENT, DIV. OF SOIL AND WATER CONSERVATION,

IN ACCORDANCE WITH THOSE STANDARDS AND SPECIFICATIONS, NO EXISTING VEGETATION SHALL BE REMOVED OR DISTURBED UNLESS NECESSARY TO ACCOMMODATE SOME CONSTRUCTION REQUIREMENT OR ACTIVITY.

SEQUENCE OF EROSION AND SEDIMENT CONTROL PRACTICE IMPLEMENTATION:

1. INSTALL CONSTRUCTION ENTRANCES AT EVERY POINT OF ACCESS FOR CONSTRUCTION VEHICLES ONTO PAVED PUBLIC ROADWAYS.

2. PRIOR TO ANY GRADING ACTIVITIES TAKING PLACE, SILT FENCING AND OTHER SEDIMENT BARRIERS INDICATED ON THE PLAN, OR AS SHALL BE DEEMED NECESSARY UPON INSPECTION, SHALL BE INSTALLED AND FUNCTIONAL.

3. ALL TOPSOIL STOCKPILES SHALL BE STABILIZED AS SOON AS THE STOCKPILING ACTIVITY IS COMPLETE.

4. ALL DISTURBED AREAS SHALL BE TEMPORARILY OR PERMANENTLY SEEDED, AS INDICATED ON THE PLAN, IN ACCORDANCE WITH THE SPECIFICATIONS UNDER NON-STRUCTURAL PRACTICES, BELOW.

SPECIFICATIONS FOR TEMPORARY SEEDING, PERMANENT SEEDING, MULCHING, MATTING, AND RIPRAP ARE CONTAINED ON SHEET No. CE4 OF THIS PLAN.

5. UPON COMPLETION OF THE PROPOSED STORM SEWER SYSTEM DROP INLET PROTECTION SHALL BE INSTALLED IN ALL LOCATIONS WHERE SEDIMENT IS BEING CARRIED TO THE INLET AND INTO THE STORM SEWER.

6. TEMPORARY CONTROL MEASURES MAY BE REMOVED AND DISPOSED OF AT THE TIME THAT THE ENTIRE CONTRIBUTING AREA HAS BEEN STABILIZED. TRAPPED SEDIMENTS SHALL BE REMOVED AND DISPOSED OF AT A LOCATION AND IN A MANNER WHICH WILL PREVENT THEIR FURTHER EROSION.

7. FINAL SITE STABILIZATION IS ACHIEVED ONCE ALL OF THE TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES HAVE BEEN REMOVED AND DISPOSED OF AND ALL TRAPPED SEDIMENT HAS BEEN PERMANENTLY STABILIZED. THERE MUST BE NO REMAINING EXPOSED GROUND ON THE SITE, ALL SURFACES BEING PROTECTED BY EITHER PAVEMENT, ROOF AREA, OR PERMANENT VEGETATIVE COVER WITH A DENSITY OF AT LEAST 70%.

NON-STRUCTURAL PRACTICES:

THE CONTRACTOR SHALL INITIATE TEMPORARY SEEDING OR PERMANENT SEEDING ON ALL DISTURBED AREAS WITHIN 7 DAYS IF THEY ARE NOT TO BE FURTHER DISTURBED FOR MORE THAN 45 DAYS.

WHEN SEASONAL CONDITIONS PROHIBIT THE APPLICATION OF TEMPORARY OR PERMANENT SEEDING, NON-VEGETATIVE SOIL STABILIZATION PRACTICES SUCH AS MATTING AND MULCHING SHALL BE USED.

STRUCTURAL PRACTICES:

TIMING SEDIMENT CONTROL STRUCTURES SHALL BE FUNCTIONAL THROUGHOUT EARTH DISTURBING ACTIVITY. PERIMETER SEDIMENT BARRIERS SHALL BE IMPLEMENTED AS THE FIRST STEP OF GRADING AND WITHIN SEVEN DAYS OF THE START OF GRUBBING. THEY SHALL CONTINUE TO FUNCTION UNTIL THE UPSLOPE DEVELOPMENT AREA IS RESTABILIZED.

SEDIMENT BARRIERS SHEET FLOW RUNOFF FROM DENUDED AREAS SHALL BE INTERCEPTED BY SEDIMENT BARRIERS SUCH AS SILT FENCES AND INLET

OTHER EROSION AND SEDIMENT CONTROL PRACTICES SHALL PREVENT SEDIMENT LADEN WATER FROM ENTERING STORM DRAIN SYSTEMS.

POST-CONSTRUCTION STORM WATER POLLUTION PREVENTION: THE GENERAL PERMIT REQUIRES THAT STORM WATER MANAGEMENT CONTROLS BE INSTALLED FOR CONSTRUCTION PROJECTS WHERE RAINFALL RUNOFF RATE OR VOLUME AFTER CONSTRUCTION EXCEED THOSE BEFORE CONSTRUCTION. THIS CONSTRUCTION PROJECT GENERATES A 100% INCREASE IN POST-CONSTRUCTION RAINFALL RUNOFF VOLUME. THE STORM WATER MANAGEMENT PRACTICES REQUIRED TO BE EMPLOYED INCLUDE THE FOLLOWING:

RETENTION PONDS - THAT HOLD RUNOFF IN A RESERVOIR WITHOUT RELEASE EXCEPT BY MEANS OF EVAPORATION, INFILTRATION, OR EMERGENCY BY-PASS.

DETENTION PONDS - THAT HOLD OR DETAIN RUNOFF IN A BASIN FOR A LIMITED TIME RELEASING IT VERY SLOWLY ALLOWING MOST OF THE SEDIMENTS TO DROP

INFILTRATION MEASURES - THAT ALLOW THE PERCOLATION OF WATER THROUGH THE GROUND SURFACE INTO SUBSURFACE SOIL. SPECIFIC MEASURES INCLUDE INFILTRATION TRENCHES, BASINS, AND DRY WELLS.

VEGETATED SWALES AND NATURAL DEPRESSIONS - THAT TRANSPORT RUNOFF, FILTER SEDIMENTS FROM RUNOFF, AND ENHANCE INFILTRATION OF THE RUNOFF.

(NOTE: STORM WATER MANAGEMENT CONTROLS ARE NOT A PART OF THE STORM WATER POLLUTION PREVENTION PLAN. THE STORM WATER MANAGEMENT CONTROLS ARE TO BE INTEGRAL TO THE SITE DEVELOPMENT ENGINEERING PLANS.)

SURFACE WATER PROTECTION:

NO CONSTRUCTION ACTIVITY OF ANY KIND SHALL BE PERFORMED IN ANY SURFACE WATERS (STREAMS, RIVERS, LAKES, WETLANDS, OR OTHER) ON THE SITE UNLESS THE CONSTRUCTION PLANS FOR THE PROJECT ARE IN COMPLIANCE WITH SECTIONS 404 AND 401 OF THE CLEAN WATER ACT AND THE APPROPRIATE PERMITS HAVE BEEN ACQUIRED FROM THE U.S. ARMY CORPS OF ENGINEERS (SECTION 404 REGULATION) AND/OR THE OHIO ENVIRONMENTAL PROTECTION AGENCY (SECTION 401 REGULATION).

OTHER CONTROLS:

NO SOLID (OTHER THAN SEDIMENT) OR LIQUID WASTE, INCLUDING BUILDING MATERIALS, SHALL BE DISCHARGED IN STORM WATER RUNOFF.

CONSTRUCTION VEHICLE MAINTENANCE, FUELING AND LUBRICATING, AND FUEL AND LUBRICANT STORAGE SHALL BE RESTRICTED TO A SINGLE LOCATION ON THE SITE AT ANY ONE TIME AND THAT SITE SHALL BE ADEQUATELY DIKED TO PREVENT ANY SPILLED CHEMICALS FROM ENTERING THE DRAINAGE SYSTEM.

ADDITIONAL NON-SEDIMENT POLLUTION CONTROL SPECIFICATIONS ARE TO BE FOUND ELSEWHERE IN THIS PLAN.

OTHER CONSIDERATIONS:

INSPECTIONS:

INSPECTIONS ARE TO BE PERFORMED BY QUALIFIED PERSONS PROVIDED BY THE PERMITTEE AND THE INSPECTION LOGS ARE TO BECOME A PART OF THIS

INSPECTIONS SHALL BE CONDUCTED AT LEAST ONCE IN EVERY 7 CALENDAR DAYS AND WITHIN 24 HOURS AFTER ANY STORM EVENT GREATER THAN 0.5 INCH OF RAIN PER 24 HOUR PERIOD, FROM THE BEGINNING OF CONSTRUCTION THROUGH THE FINAL INSPECTION PRIOR TO THE NOTICE OF TERMINATION.

MAINTENANCE:

ALL TEMPORARY AND PERMANENT CONTROL PRACTICES SHALL BE MAINTAINED AND REPAIRED AS NEEDED AND AS INDICATED BY THE INSPECTION REPORTS TO ASSURE THE CONTINUED PERFORMANCE OF THEIR FUNCTION. IN ORDER TO ACCOMPLISH THIS, THERE SHALL BE SUFFICIENT EQUIPMENT AND MATERIALS AVAILABLE AT ALL TIMES TO MAKE ANY REPAIRS OR REPLACEMENTS THAT ARE NECESSARY.

CERTIFICATION:

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR THE GATHERING OF THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

aman JAMES MILLER -- FOF AULTMAN HEALTH FOUNDATION 4/25/00 DATE

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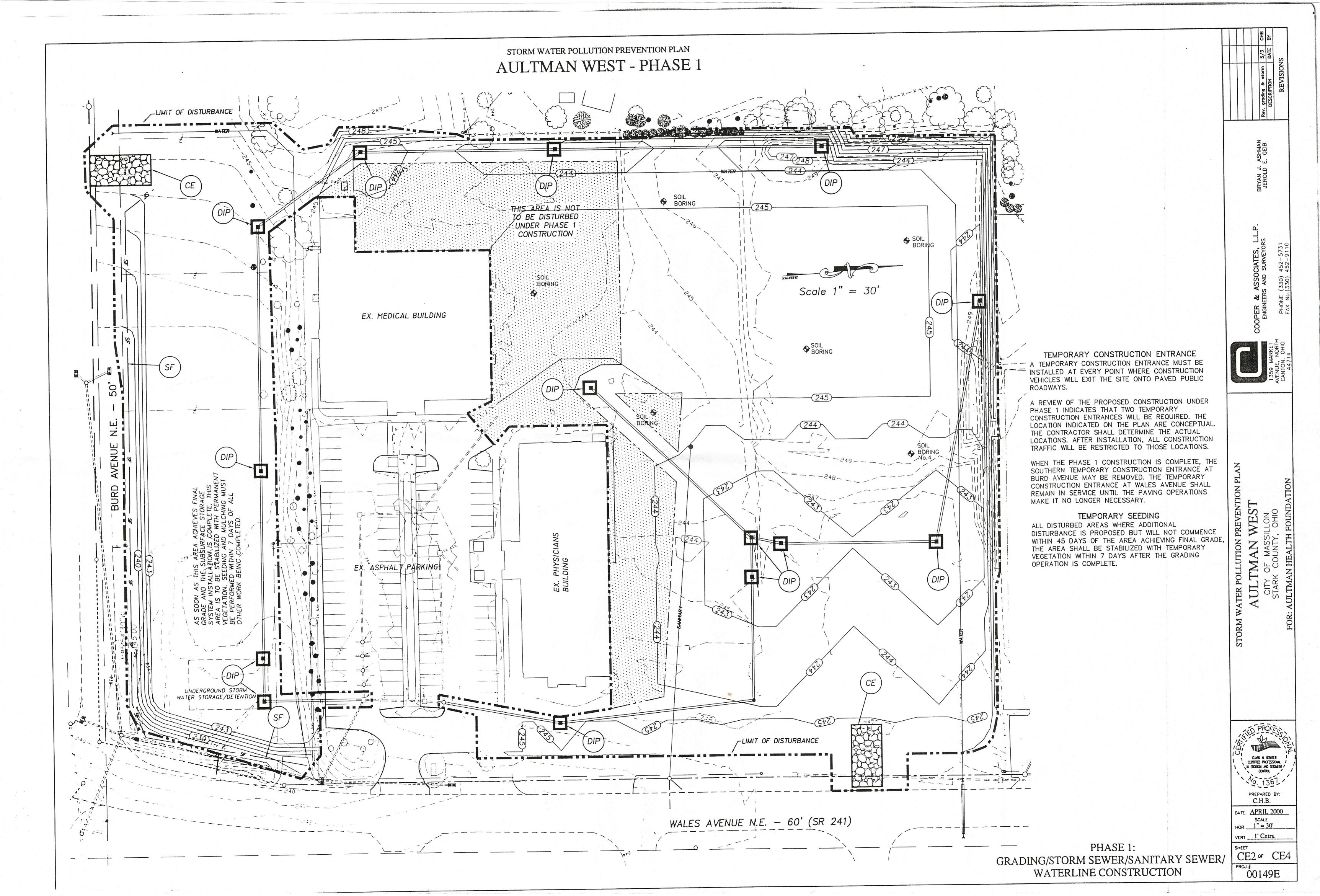
PROFES CLARK H. BOWSER CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT! CONTROL

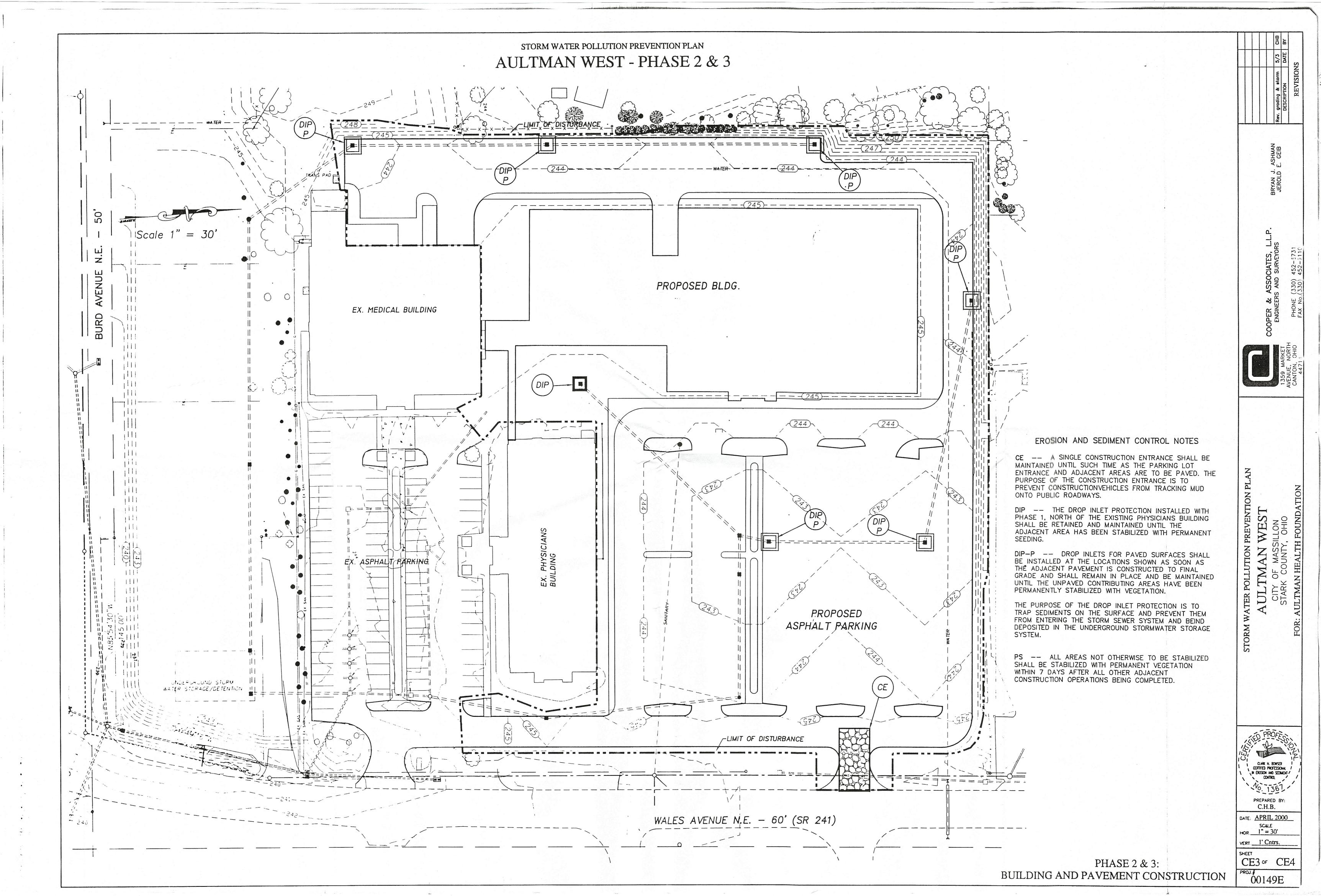
> PREPARED BY: C.H.B.

DATE: APRIL 2000 SCALE HOR. N/A

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SECTION

- ATTACHMENT DETAILS: . GATHER FABRIC AT POSTS IF NEEDED.
- . USE THREE TIES PER POST, ALL WITHIN TOP 8" OF FABRIC. POSITION TIES DIAGONALLY, PUNCTURING HOLES VERTICALLY
- A MINIMUM OF 1" APART . HANG EACT TIE ON A POST NIPPLE AND TIGHTEN SECURELY.
- . USE CABLE TIES (50 lbs.) OR SOFT WIRE.

### **SPECIFICATIONS**

SILT FENCE SHALL BE CONSTRUCTED BEFORE UPSLOPE LAND DISTURBANCE BEGINS.

SILT FENCE SHALL BE INSTALLED BY THE SLICING METHOD USING AN INTEGRATED SOIL SLICING MACHINE SUCH AS A "TOMMY" BY CARPENTER EROSION CONTROL. OR SIMILAR.

SLICING MUST BEGIN BEFORE THE CRITICAL POINT TO INSURE ADEQUATE DEPTH OF FABRIC AND CONTINUE BEYOND THE CRITICAL POINT TO INSURE FABRIC DEPTH IS MAINTAINED FOLLOWING REMOVAL OF THE APPARATUS FROM THE SOIL.

COMPACTION SHALL BE ACHIEVED BY WHEEL ROLLING THE POWER EQUIPMENT OVER EACH SIDE OF THE SILT FENCE - THE UPSTREAM SIDE FIRST, THENM THE DOWNSTREAM SIDE. COMPACT THE SOIL WITH THE LOADER BUCKET FULL OF MATERIAL FOR ADDED WEIGHT. IN DRY CONDITIONS, OR WHERE LARGE CLODS OF SOIL ARE DISRUPTED, 2 OR 3 COMPACTION PASSES OVER EACH SIDE ARE REQUIRED.

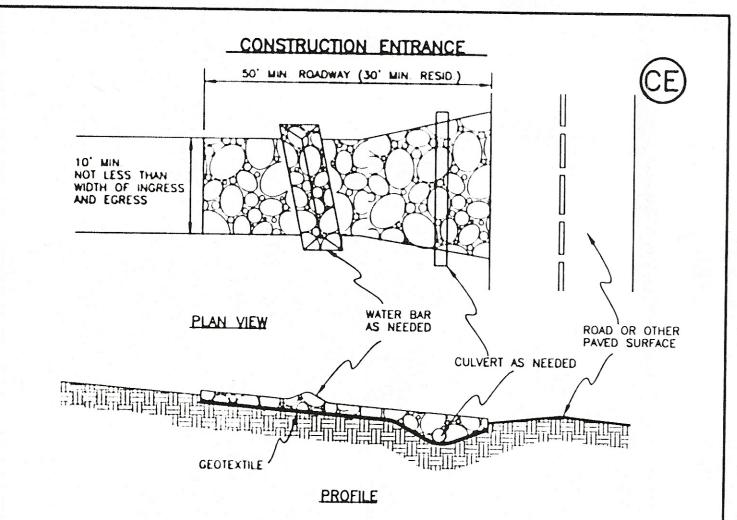
POSTS SHALL BE PLACED AFTER THE FABRIC IS IN PLACE AND THE ADJACENT SOIL HAS BEEN COMPACTED.

### CRITERIA FOR SILT FENCE MATERIALS

STEEL T-POSTS (RE-USABLE) WEIGHING 1.25 Ibs. PER LIN. FT., A MINIMUM OF 48" LONG, SHOULD BE SPACED A MAX. OF 7 FT. APART ON AREAS OF SILT FENCE PARALLEL TO FLOW AND A MAX. OF 4 FT. APART IN AREAS DESIGNED TO POND WATER.

2. SILT FENCE FABRIC - SEE CHART BELOW

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



FOR ADDITIONAL DETAILS SEE RAINWATER AND LAND DEVELOPMENT

# **SPECIFICATIONS**

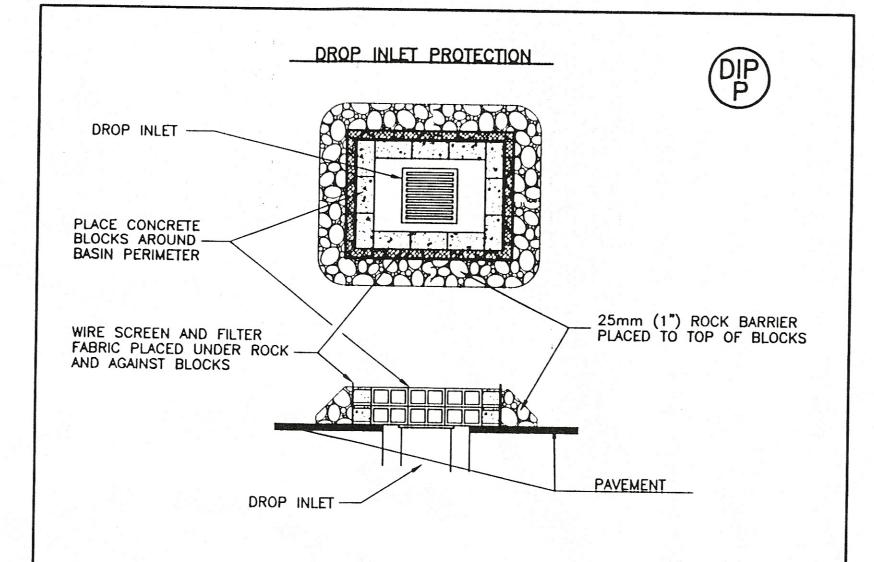
- STONE SIZE TWO INCH STONE SHALL BE USED, OR RECYCLED CONCRETE EQUIVALENT.
- LENGTH THE CONSTRUCTION ENTRANCE SHALL BE AS LONG AS REQUIRED TO STABILIZE HIGH TRAFFIC AREAS BUT NOT LESS THAN 50' (EXCEPT ON SINGLE RESIDENCE LOT WHERE A 30' MINIMUM LENGTH
- THICKNESS THE STONE LAYER SHALL BE AT LEAST 6" THICK.

WHERE INGRESS AND EGRESS OCCURS.

- 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 LEAST 190 LB.
- 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 FROM MUDDY AREAS.

# STORM WATER POLLUTION PREVENTION PLAN

# **AULTMAN WEST**



### DROP INLET INSTALLATION SPECIFICATIONS

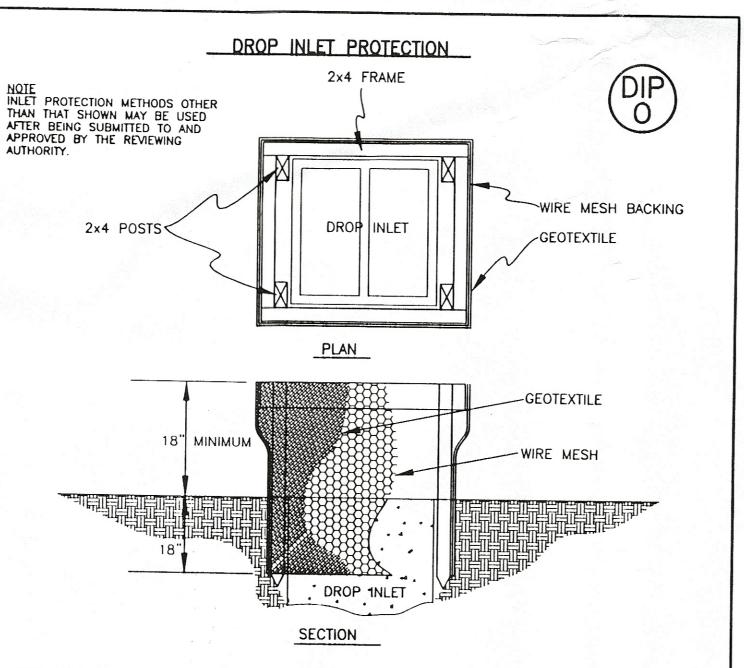
DROP INLET PROTECTION TO BE INSTALLED ON PAVEMENT OR ON GROUND WHERE SILT FENCE PROTECTION IS NOT APPROPRIATE.

CONCRETE BLOCKS TO BE PLACED AROUND PERIMETER OF BASIN WITH OPENINGS HORIZONTAL. BLOCKS TO BE PLACED WITHOUT SPACES BETWEEN BLOCKS.

WIRE MESH AND FILTER FABRIC TO BE PLACED ON PAVEMENT OR GROUND, EXTENDING 6"+/-UNDER ROCK, AND UP AGAINST FACE OF CONCRETE BLOCKS.

25mm (1"+/-) ROCK TO BE PLACED AROUND THE CONCRETE BLOCK BARRIER, OVER THE WIRE MESH AND FILTER FABRIC. ROCK MUST BE PLACED TO THE TOP OF THE BLOCKS AND EXTEND OUTWARD A MINIMUM OF TWO TIMES THE HEIGHT OF THE BLOCKS.

THE INLET PROTECTION MUST REMAIN IN PLACE AND FUNCTIONAL UNTIL THE ENTIRE CONTRIBUTING AREA HAS BEEN STABILIZED.



# FOR ADDITIONAL DETAILS SEE RAINWATER AND LAND DEVELOPMENT

# SPECIFICATIONS

- INLET PROTECTION SHALL BE CONSTRUCTED EITHER BEFORE UPSLOPE LAND DISTURBANCE BEGINS OR BEFORE THE STORM DRAIN BECOMES OPERATIONAL.
- THE EARTH AROUND THE INLET SHALL BE EXCAVATED COMPLETELY TO A DEPTH OF AT LEAST 18 INCHES.
- THE WOODEN FRAME SHALL BE CONSTRUCTED OF 2"x 4" CONSTRUCTION GRADE LUMBER. THE 2x4 POSTS SHALL BE DRIVEN 1' INTO THE GROUND AT THE FOUR CORNERS OF THE INLET AND THE TOP PORTIONS OF 2x4 FRAME ASSEMBLED USING THE OVERLAP JOINT SHOWN. THE TOP OF THE FRAME SHALL BE AT LEAST 6" BELOW ADJACENT ROADS IF PONDED WATER WOULD POSE A SAFETY HAZARD TO TRAFFIC.
- WIRE MESH SHALL BE OF SUFFICIENT STRENGTH TO SUPPORT FABRIC WITH WATER FULLY IMPOUNDED AGAINST IT. IT SHALL BE STRETCHED TIGHTLY AROUND THE FRAME AND FASTENED SECURELY TO THE
- GEOTEXTILE SHALL HAVE AN EQUIVALENT OPENING SIZE OF 20-40 SIEVE AND BE RESISTANT TO SUNLIGHT. IT SHALL BE STRETCHED TIGHTLY AROUND THE FRAME AND FASTENED SECURELY TO IT. IT SHALL EXTEND FROM THE TOP OF THE FRAME TO 18" BELOW THE INLET NOTCH ELEVATION. THE GEOTEXTILE SHALL OVERLAP ACROSS ONE SIDE OF THE INLET SO THE ENDS OF THE CLOTH ARE NOT FASTENED TO THE
- BACKFILL SHALL BE PLACED AROUND THE INLET IN COMPACTED 6" LAYERS UNTIL THE EARTH IS EVEN WITH THE NOTCH ELEVATION ON ENDS AND TOP ELEVATION ON SIDES.
- A COMPACTED EARTH DIKE OR A CHECK DAM SHALL BE CONSTRUCTED IN THE DITCH LINE BELOW THE INLET IF 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

# PERMANENT SEEDING



### SITE PREPARATION

- A SUBSOILER, PLOW OR OTHER IMPLEMENT 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 SLIP-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 IMPLEMENT 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.

		NOTES:	
LB./ACRE	LB./1,000 S.F.	Noils.	
GENERAL	USE		
	1/-		
10-20	1/4 - 1/2 1/4 - 1/2		
40	1		
40	1		
BANKS OR	CUT SLOPES		
40	1		
10	1/4	NOT LATER THAN AUGUST	
		NOT EXTEN TIME AUGUST	
20 20	1/2 1/2	NOT LATER THAN AUGUST	
DITCHES A	ND SWALES		
40	1		
90	2 1/4		
5			
LAWNS	3		
60	1 1/2		
60 60	1 1/2 1 1/2	FOR SHADED AREAS	
	SEE LB./ACRE GENERAL 20-40 10-20 10-20 40 40 BANKS OR 40 10 20 20 0 DITCHES A 40 90 5	10-20	

# MULCHING SEE MULCH

# 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.

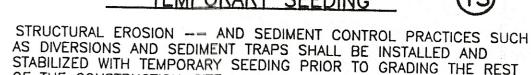
# MAINTENANCE OF PERMANENT SEEDING

- 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 REESTABLISHED 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
- MAINTENANCE FERTILIZATION RATES SHALL BE ESTABLISHED BY SOIL TEST RECOMMENDATIONS OR BY USING THE RATES SHOWN IN THE FOLLOWING TABLE.

TENT	ILIZATION AND	MUWING		
MIXTURE	FORMULA	LB./AC.	LIME	MOWING
CREEPING RED FESCUE RYE GRASS KENTUCKY BLUEGRASS	10-10-10	500	FALL,	NOT CLOSER THAN 3'
TALL FESCUE	10-10-10	500	YEARLY OR AS NEEDED	NOT CLOSER THAN 4"
DWARF FESCUE	10-10-10	500	418	NOT CLOSER THAN 2"
CROWN VETCH FESCUE	0-20-20	400	SPRING, YEARLY FOLLOWING ESTABLISH—	DO NOT MOW
FLAT PEA FESCUE NOTE: SOIL TEST RECOM	0-20-20	400	MENT AND EVERY 4-7 YEARS THEREAFTER	DO NOT

# TEMPORARY SEEDING

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
- 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 WITH 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.

TEMPORARY SEEDING SPECIES SELECTION						
SEEDING DATES	SPECIES	LB./1,000 SQ. FT.	PER ACRE			
MARCH 1 TO AUGUST 15	OATS TALL FESCUE ANNUAL RYE GRASS	3 1 1	4 BUSHEL 40 LBS. 40 LBS.			
2 3 3 4 7 27 27	PERENNIAL RYE GRASS TALL FESCUE ANNUAL RYE GRASS		40 LBS. 40 LBS. 40 LBS.			
AUGUST 16 TO NOVEMBER 1	RYE TALL FESCUE ANNUAL RYE GRASS	3 1 1	2 BUSHEL 40 LBS. 40 LBS.			
	WHEAT TALL FESCUE ANNUAL RYE GRASS	1 1	2 BUSHEL 40 LBS. 40 LBS.			
	PERENNIAL RYE GRASS TALL FESCUE ANNUAL RYE GRASS	1 1	40 LBS. 40 LBS. 40 LBS.			
NOV. 1 TO SPRING SEEDING	MULCH, SODDING OR I	DORMANT SEEDING C				

NOTE: OTHER APPROVED SPECIES MAY BE SUBSTITUTED

MULCHING SEE <u>MULCH</u>

# 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. ALL 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
- 6. 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.

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PREVENT WEST

POLLUTION 0

PROFF CLARACIA BOWSER CERTIFIED, PROFESSIONAL IN EROSION AND SEDIMENT CONTROL 16. 136 T

PREPARED BY: C.H.B. DATE: APRIL 2000 SCALE HOR. N/A

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