

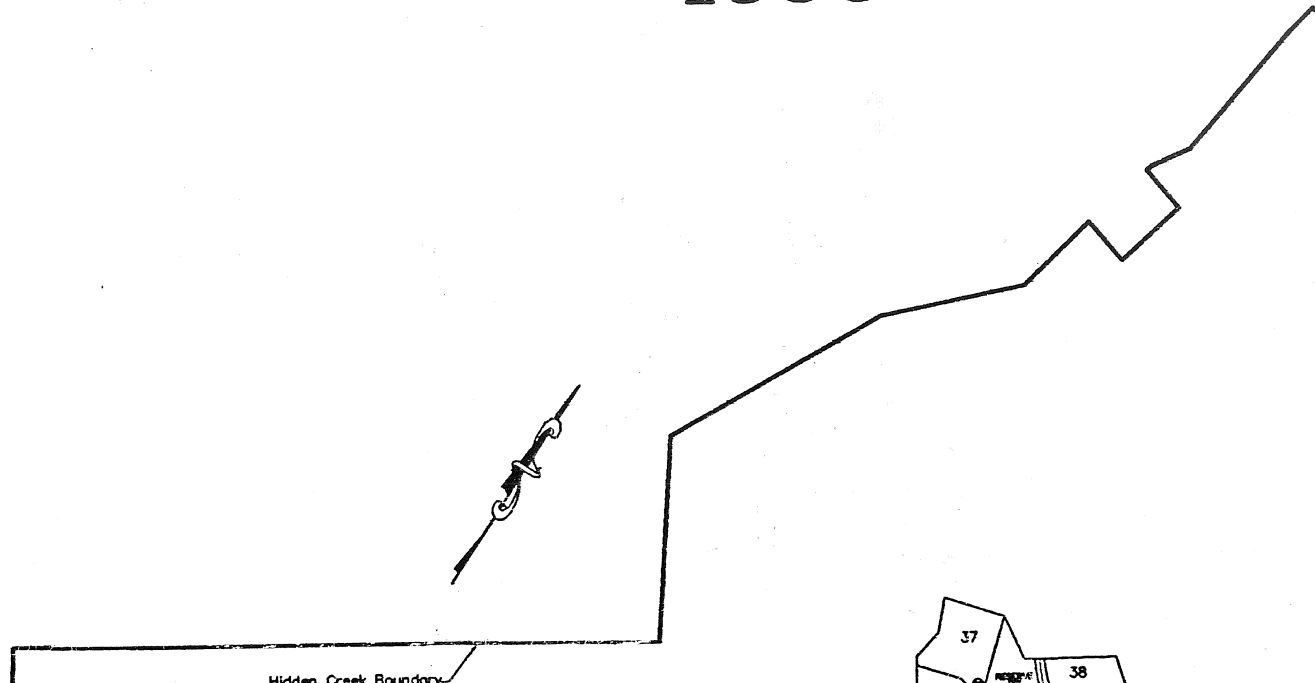
WEST JEFFERSON
MADISON COUNTY, OHIO
ROAD IMPROVEMENTS
FOR
HIDDEN CREEK AT THE DA
PHASE 1
1996

Standard drawings

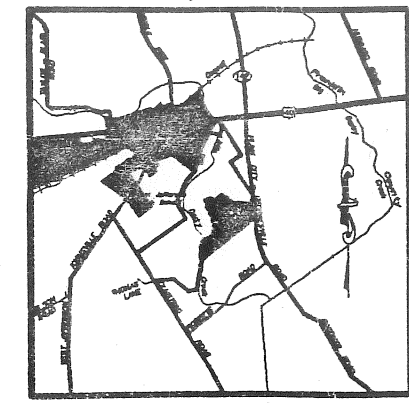
CITY OF COLUMBUS AND ODOT STANDARD DRAWINGS
LISTED ON THIS PLAN SHALL BE CONSIDERED A PART
THEREOF.

CITY OF COLUMBUS
2190 Dr. A

ODOT
CB-2-2
CB-2-2-A
CB-2-3
MH-1
TC 41.20
TC 41.50
TC 52.10
TC 52.20
HW-4B
HW-1



WEST JEFFERSON MADISON COUNTY, OHIO ROAD IMPROVEMENTS FOR HIDDEN CREEK AT THE DARBY PHASE 1 1996



Location Map
NOT TO SCALE

Bench Marks

- BM A RR SPIKE IN POWERPOLE AT EAST SIDE OF PLAIN CITY-GEORGESVILLE ROAD OPPOSITE ENTRANCE. ELEV=925.61
- BM #1 IRON PIN W/ CAP. TRAVERSE POINT ESTABLISHED NORTH OF HIDDEN CREEK DRIVE (NORTH OF RESERVE "E" AND LOT 39). ELEV=920.78
- BM #2 IRON PIN W/ CAP. TRAVERSE POINT ESTABLISHED WEST OF LARKSPUR DRIVE BETWEEN LOTS 28 AND 29. ELEV=904.96

Index Sheets

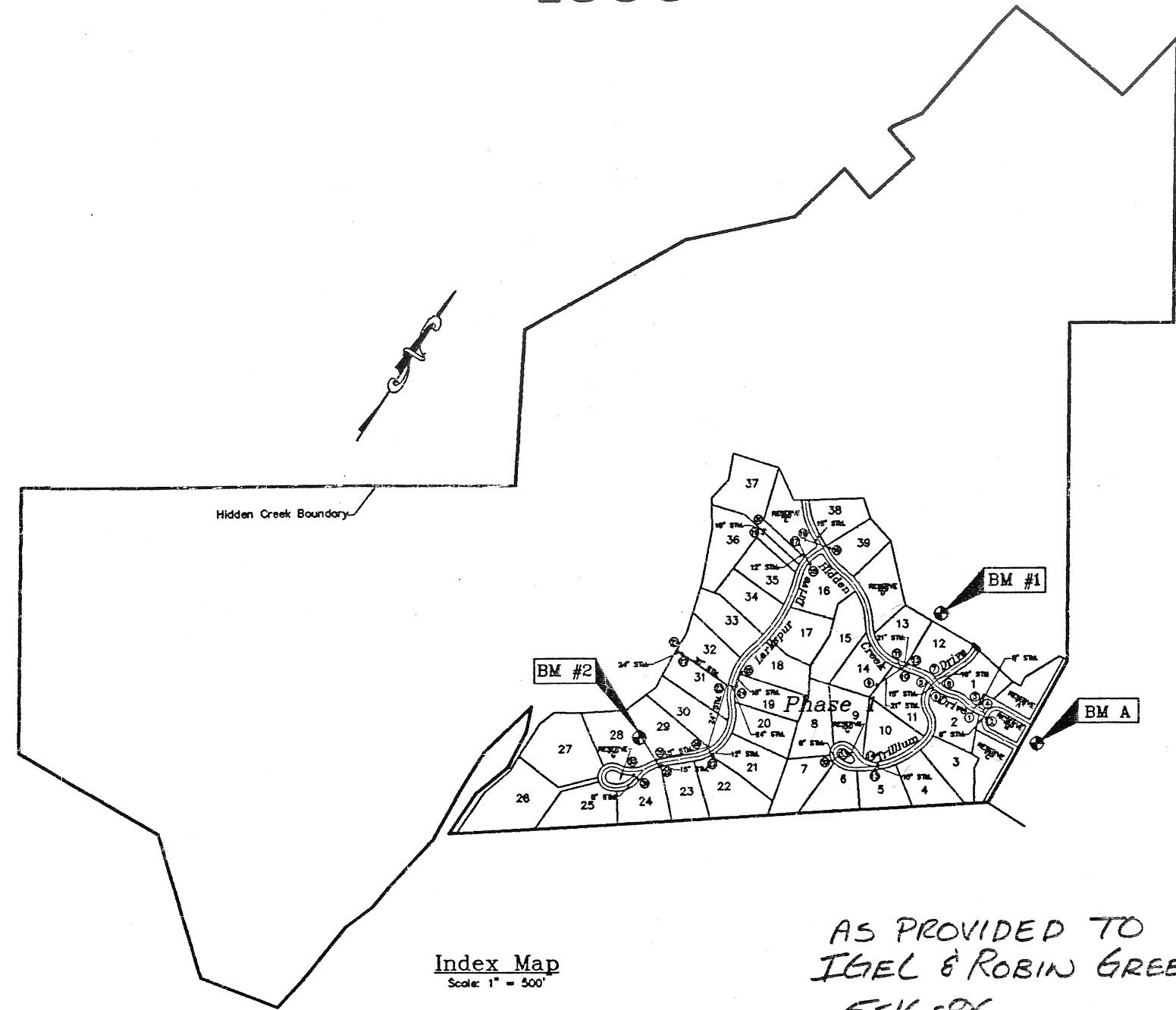
- 1 APPROVAL/TITLE SHEET
- 2 GENERAL NOTES/QUANTITIES
- 3 EROSION CONTROL NOTES & DETAILS
- 4 ROADWAY SECTIONS & DETAILS
- 5 GRADING & UTILITY SHEETS
- 6-10 INTERSECTION DETAILS/GRADING & UTILITY SHEET
- 11 ROAD PROFILE HIDDEN CREEK DRIVE
- 12 ROAD PROFILE TRILLIUM DRIVE
- 13 ROAD PROFILE LARKSPUR DRIVE
- 14 STORM PROFILES
- 15-29 ROAD CROSS SECTIONS

Approved by:

MADISON COUNTY ENGINEER	DATE
REGIONAL PLANNING COMMISSION	DATE
MADISON COUNTY SOIL & WATER CONSERVATION DISTRICT	DATE
MADISON COUNTY ZONING INSPECTOR	DATE
MADISON COUNTY BOARD OF HEALTH	DATE
CIVIL ENGINEERING ASSOCIATES, INC.	DATE

Standard drawings
CITY OF COLUMBUS AND ODOT STANDARD DRAWINGS LISTED ON THIS PLAN SHALL BE CONSIDERED A PART THEREOF.

- CITY OF COLUMBUS
2190 Dr. A
- ODOT
CB-2-2
CB-2-2-A
CB-2-3
MH-1
TC 41.20
TC 41.50
TC 52.10
TC 52.20
HW-48
HW-1



Index Map
Scale: 1" = 500'

AS PROVIDED TO
IGIEL & ROBIN GREEN
5-16-96



CIVIL ENGINEERING ASSOCIATES
Tel. 614.433.0015
Fax 614.433.0513
Antares Avenue
Columbus, Ohio 43240

Hidden Creek At The Darby
West Jefferson
Madison County, Ohio

APPROVAL SHEET

Date: 2/1
Revisions: 5/16

CEA ST

GENERAL NOTES

THE CURRENT MADISON COUNTY AND OHIO DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS INCLUDING ALL SUPPLEMENTS THERETO, TOGETHER WITH THE REQUIREMENTS OF MADISON COUNTY IN FORCE ON THE DATE OF CONTRACT, SHALL GOVERN ALL MATERIALS, METHODS OF CONSTRUCTION, AND WORKMANSHIP INVOLVED IN THE IMPROVEMENTS SHOWN ON THESE PLANS, EXCEPT AS SUCH SPECIFICATIONS ARE MODIFIED BY THE FOLLOWING SPECIFICATIONS OR BY THE CONSTRUCTION DETAILS SET FORTH HEREIN.

THE CONTRACTOR SHALL NOTIFY MADISON COUNTY ENGINEER 24 HOURS PRIOR TO CONSTRUCTION.

THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS.

THE CONTRACTOR SHALL CONFINE HIS ACTIVITIES TO THE PROJECT SITE UNDER DEVELOPMENT OR THE EXISTING RIGHT-OF-WAYS, CONSTRUCTION AND PERMANENT EASEMENTS AND SHALL NOT TRESPASS UPON OTHER PRIVATE PROPERTY WITHOUT THE WRITTEN CONSENT OF THE OWNER.

ALL ITEMS OF WORK CALLED FOR ON THE PLANS FOR WHICH NO SPECIFIC METHOD OF PAYMENT IS PROVIDED SHALL BE PERFORMED BY THE CONTRACTOR AND THE COST OF SAME SHALL BE INCLUDED IN THE PRICE BID FOR THE VARIOUS RELATED ITEMS.

ALL FIELD TILE BROKEN DURING EXCAVATION SHALL BE REPLACED TO ORIGINAL CONDITION OR CONNECTED TO THE STORM SEWER SYSTEM AS DIRECTED BY THE ENGINEER.

THE CONTRACTOR SHALL CAREFULLY PRESERVE BENCH MARKS, PROPERTY CORNERS, REFERENCE POINTS, STAKES AND OTHER SURVEY REFERENCE MONUMENTS OR MARKERS. IN CASES OF WILLFUL OR CARELESS DESTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORATION OF MARKERS. RESETTLEMENT OF MARKERS SHALL BE PERFORMED BY AN OHIO PROFESSIONAL SURVEYOR.

THE CONTRACTOR SHALL DISPOSE OF ALL SURPLUS EXCAVATION, AS DIRECTED BY THE OWNER.

THE DESIGN ENGINEER WILL NOT BE RESPONSIBLE FOR MEANS, METHODS, PROCEDURES, TECHNIQUES, OR SEQUENCES OF CONSTRUCTION THAT ARE NOT SPECIFIED HEREIN. THE DESIGN ENGINEER WILL NOT BE RESPONSIBLE FOR SAFETY ON THE JOB SITE, OR FOR FAILURE BY THE CONTRACTOR TO PERFORM WORK ACCORDING TO CONTRACT DOCUMENTS.

THE CONTRACTOR AND SUB-CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR COMPLYING WITH ALL FEDERAL, STATE AND LOCAL SAFETY REQUIREMENTS, TOGETHER WITH EXERCISING PRECAUTIONS AT ALL TIMES FOR THE PROTECTION OF PERSONS (INCLUDING EMPLOYEES) AND PROPERTY. IT IS ALSO THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND SUB-CONTRACTOR TO INITIATE, MAINTAIN AND SUPERVISE ALL SAFETY REQUIREMENTS, PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK.

ALL TRAFFIC CONTROL DEVICES SHALL BE FURNISHED, ERECTED, MAINTAINED AND REMOVED BY THE CONTRACTOR IN ACCORDANCE WITH THE "OHIO MANUAL OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION AND MAINTENANCE OPERATIONS", COPIES OF WHICH ARE AVAILABLE FROM THE OHIO DEPARTMENT OF TRANSPORTATION, BUREAU OF TRAFFIC, 25 SOUTH FRONT STREET, COLUMBUS, OHIO 43215.

THE IDENTITY AND LOCATION OF THE EXISTING UNDERGROUND FACILITIES KNOWN TO BE LOCATED IN THE CONSTRUCTION AREA HAVE BEEN SHOWN ON THE PLANS AS ACCURATELY AS PROVIDED BY THE OWNER OF THE UNDERGROUND UTILITY. THE MADISON COUNTY AND/OR ENGINEER ASSUMES NO RESPONSIBILITY AS TO THE ACCURACY OR THE DEPTHS OF THE UNDERGROUND FACILITIES WHETHER SHOWN ON THE PLANS OR NOT.

SUPPORT, PROTECTION AND RESTORATION OF ALL EXISTING UTILITIES AND APPURTENANCES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE COST OF THIS WORK SHALL BE INCLUDED IN THE PRICE BID FOR THE VARIOUS ITEMS.

THE CONTRACTOR SHALL CAUSE NOTICE TO BE GIVEN TO THE OHIO UTILITIES PROTECTION SERVICE (TELEPHONE 800-362-2764 - TOLL FREE) AND TO THE OWNERS OF UNDERGROUND UTILITY FACILITIES SHOWN ON THE PLANS WHO ARE NOT MEMBERS OF A REGISTERED UNDERGROUND PROTECTION SERVICE IN ACCORDANCE WITH SECTION 153.64 OF THE REVISED CODE. THE ABOVE MENTIONED NOTICE SHALL BE GIVEN AT LEAST TWO WORKING DAYS PRIOR TO START OF CONSTRUCTION.

STORM NOTES

UNLESS OTHERWISE NOTED ON THE PLANS ALL STORM SEWERS SHALL BE SMOOTH WALLED ADS N-12 PIPE AS MANUFACTURED BY ADVANCED DRAINAGE SYSTEMS INCORPORATED. THIS ALSO INCLUDES ANY AND ALL UNDERDRAIN PIPES FOR THE ROADWAY/LEACHFIELD SYSTEMS INSTALLED FOR THE PROJECT. GRANULAR BACKFILL SHALL BE USED IN ALL INSTANCES OF PAVEMENT CROSSINGS. MATERIALS SHALL BE COMPACTED GRANULAR MATERIAL ITEM 310 TYPE A GRADING (NO GRITS ALLOWED), PLACED WITHIN LIMITS SHOWN ON THE PLAN INCLUDING AROUND ALL INLET STRUCTURES. GRANULAR BACKFILL SHALL EXTEND FROM THE BOTTOM OF THE TRENCH TO A PLANE 6-INCHES BELOW THE SUBGRADE.

WHERE THE STORM SEWER CROSSES A PROPOSED RIGHT-OF-WAY THE TRENCH BACKFILL SHALL BE COMPACTED GRANULAR MATERIAL, ITEM 310 TYPE A GRADING (NO GRITS ALLOWED), FROM THE BOTTOM OF THE TRENCH TO A PLANE 6-INCHES BELOW THE SUBGRADE. THE LIMITS OF PLACEMENT SHALL BE FROM RIGHT-OF-WAY LINE TO RIGHT-OF-WAY LINE. ALL OTHER TRENCH BACKFILL SHALL BE COMPACTED TYPE C, UNLESS OTHERWISE NOTED ON THE PLANS. COST OF BACKFILL TO BE INCLUDED IN THE PRICE BID FOR THE VARIOUS SEWER ITEMS.

PIPE WITH LESS THAN ONE FOOT OF COVER TO SURFACE OF PAVEMENT SHALL BE REINFORCED CONCRETE PIPE, CLASS V, OR SHALL BE CONCRETE ENCASED.

CONTRACTOR SHALL MAKE PROVISIONS FOR OUTLETING ROADWAY UNDERDRAINS. THESE SHALL INCLUDE, WHERE APPLICABLE, CROSSING OF STREETS, CONNECTIONS TO HEADWALLS, AND OUTLETING INTO DITCHES PER UNDERDRAIN OUTLET DETAIL.

LEACH FIELDS

AN INSPECTION FOR ALL LOTS IN THIS SUBDIVISION WILL BE CONDUCTED BY THE MADISON COUNTY HEALTH DISTRICT PRIOR TO ANY HOME CONSTRUCTION. DURING THIS INSPECTION IT WILL BE DETERMINED IF THE CONSTRUCTION PLANS MEET THE REQUIREMENTS AS SHOWN ON THESE PLANS FOR THE LOCATION OF THE DWELLING, DRIVEWAYS, WATER WELL, SEPTIC TANKS, CURTAIN DRAINS AND PRIMARY AND SECONDARY LEACH TRENCH SYSTEMS. NO PERMANENT STRUCTURES OF ANY KIND SHALL BE PERMITTED IN THE AREA DESIGNATED ON THESE PLANS FOR PRIMARY OR SECONDARY LEACH SYSTEMS. ALL PLANS MUST BE SUBMITTED TO THE MADISON COUNTY HEALTH DISTRICT FOR REVIEW AND APPROVAL AND A SITE VISIT MUST BE SCHEDULED PRIOR TO THE BEGINNING OF ANY HOME CONSTRUCTION.

ON SITE SANITARY SYSTEMS INCLUDING UNDERDRAINS ARE NOT A PART OF THIS PROJECT UNLESS OTHERWISE NOTED. THESE SYSTEMS WILL BE CONSTRUCTED BY THE HOMEOWNER.

EROSION CONTROL

THE CURRENT MADISON COUNTY EROSION CONTROL AND STORMWATER CONTROL REGULATIONS, TOGETHER WITH THE ENCLOSED EROSION CONTROL PLAN SHALL GOVERN ALL EROSION CONTROL REQUIREMENTS FOR THE PROJECT.

THE ENCLOSED SEDIMENTATION CONTROL NOTES AND DETAILS FOUND ON SHEET THREE SHALL SERVE AS AN INITIAL GUIDELINE FOR THE PROJECT. THE CONTRACTOR SHALL BE REQUIRED TO REVIEW THE ELEMENTS REQUIRED TO CONTROL EROSION AS THE PROJECT PROCEEDS. THE CONTRACTOR SHALL COORDINATE THIS REVIEW WITH THE LOCAL AUTHORITY (MADISON COUNTY SOIL AND WATER CONSERVATION DISTRICT) AND ROBIN GREEN.

UTILITIES

THE CONTRACTOR SHALL PROVIDE 4" PVC CASING PIPE FOR THE PURPOSE OF GAS LINE CROSSINGS WHERE NOTED ON THE PLAN PRIOR TO PLACEMENT OF ASPHALT PAVEMENT. VERIFY REQUIRED DEPTH BASED ON STORM PIPE CLEARANCES PROVIDING 1' FROM THE BOTTOM OF THE PIPE AS WELL AS MATERIAL SPECIFICATION PRIOR TO INSTALLATION.

NOTE: THESE QUANTITIES HAVE NOT BEEN REVISED FOR CHANGES MADE TO THE STORM SYSTEM ON LARKSPUR AND TRILLIUM CUL-DE-SAC

Estimate of Quantities			
Item	Quant.	Unit	Description
DRAINAGE			
601	78	CY	ROCK CHANNEL PROTECTION TYPE C W/FILTER
601	22	CY	ROCK CHANNEL PROTECTION TYPE B W/FILTER
603	81	LF	8" CONDUIT, TYPE B
603	28	LF	12" CONDUIT, TYPE B
603	179	LF	15" CONDUIT, TYPE B
603	52	LF	18" CONDUIT, TYPE B
603	50	LF	21" CONDUIT, TYPE B
603	30	LF	24" CONDUIT, TYPE B
603	114	LF	8" CONDUIT, TYPE C
603	122	LF	12" CONDUIT, TYPE C
603	747	LF	15" CONDUIT, TYPE C
603	192	LF	21" CONDUIT, TYPE C
603	448	LF	24" CONDUIT, TYPE C
604	18	EA	PATTERNED HEADWALL
604	2	EA	ENDWALL
604	1	EA	MANHOLE MH-1
604	2	EA	CATCH BASIN CB-2-3
604	6	EA	CATCH BASIN CB-2-2
604	3	EA	ADS PREFABRICATED CATCH BASIN UNDERDRAINAGE
603		LF	4" CONDUIT
603		LF	6" CONDUIT
ROADWAY			
203	4	HR	PROOF ROLLING
203	15718	SY	SUBGRADE COMPACTION
203	-	CY	EXCAVATION INCLUDING EMBANKMENT CONSTRUCTION
SPECIAL	3416	CY	NO. 2 AGGREGATE, 703.01 *
304	1708	CY	AGGREGATE BASE *
402	589	CY	ASPHALT CONCRETE, AC-20
404	573	CY	ASPHALT CONCRETE, AC-20
605	13747	LF	4" PIPE UNDERDRAIN
659	58000	SY	SEEDING & MULCHING (URBAN MIX)
659	5.3	TON	COMMERCIAL FERTILIZER
SPECIAL	2	EA	TEMPORARY BARRICADE
ROADWAY CONTINGENCY ITEMS			
203	570	CY	EXCAVATION, NOT INCLUDING EMBANKMENT CONSTRUCTION
SPECIAL	350	CY	NO. 2 AGGREGATE, 703.01
304	220	CY	AGGREGATE BASE
LAKE EXCAVATION			
SPECIAL	35,922	CY	LAKE EXCAVATION
EROSION CONTROL			
207	LS	EA	CULVERT SEDIMENT FILTERS
207	LS	SY	TEMPORARY SEEDING AND MULCHING
207	LS	EA	STRAW OR HAY BALES
207	LS	LF	SEDIMENT FILTER FABRIC FENCE
207	LS	EA	TEMPORARY STANDPIPE AT LAKE
TREE PROTECTION			
-	LS	LF	TREE PROTECTION FENCE
TRAFFIC**			
630	53.25	SF	SIGNS, FLAT SHEET
630	66.5	LF	GROUND-MOUNTED SUPPORTS, NO.3 POST
630	48	LF	GROUND-MOUNTED SUPPORTS, NO.2 POST

QUANTITIES SHOWN ARE NOT COMPLETE. ITEMS LISTED ARE FOR INFORMATION AND ARE ESTIMATES ONLY. THE CONTRACTOR SHALL CONSTRUCT THE PROJECT IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS AND SHALL NOT RELY ON QUANTITIES LISTED OR NOT LISTED HEREON.

* IN LIEU OF ITEM SPECIAL ~ NO. 2 AGGREGATE, 703.01 AND ITEM 304 AGGREGATE BASE, CONTRACTOR SHALL PROVIDE BID ITEM 301 2581 CU. YDS. BITUMINOUS AGGREGATE BASE.

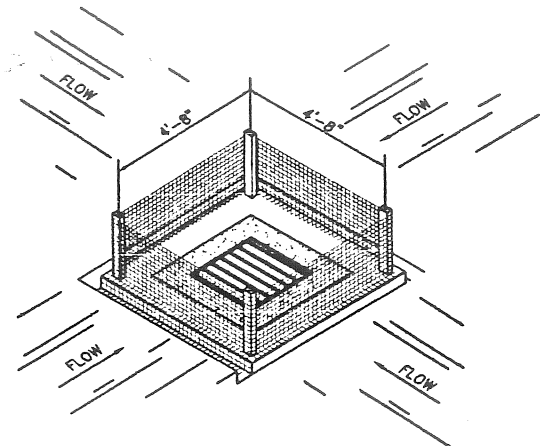
ITEM SPECIAL ~ NO. 2 AGGREGATE, 703.01 AGGREGATE BASE SHALL BE PLACED PER ITEM 304

** CONSULT OWNER PRIOR TO PURCHASING OR INSTALLING ANY SIGNAGE FOR THIS PROJECT TO VERIFY SPECIFICATIONS FOR ALL SIGNS.

Sediment and Erosion Control Standards and Criteria

IN ORDER TO CONTROL SEDIMENT POLLUTION OF WATER RESOURCES THE OWNER OR PERSON RESPONSIBLE FOR THE DEVELOPMENT AREA SHALL USE CONSERVATION PLANNING AND PRACTICES TO MAINTAIN THE LEVEL OF CONSERVATION ESTABLISHED BY THE FOLLOWING STANDARDS:

1. TIMING OF SEDIMENT-TAPPING PRACTICES. SEDIMENT CONTROL PRACTICES SHALL BE FUNCTIONAL THROUGHOUT EARTH-DISTURBING PERMETER CONTROLS, AND OTHER PRACTICES INTENDED TO TRAP SEDIMENT SHALL BE IMPLEMENTED AS THE FIRST STEP OF GRADING AND WITHIN SEVEN DAYS FROM THE START OF GRUBBING. THEY SHALL CONTINUE TO FUNCTION UNTIL THE UPSLOPE DEVELOPMENT AREA IS RESTABILIZED.
2. STABILIZATION OF DENUDED AREA. DENUDED AREAS SHALL HAVE SOIL STABILIZATION APPLIED WITHIN SEVEN DAYS IF THEY ARE TO REMAIN DORMANT FOR MORE THAN FORTY-FIVE DAYS. PERMANENT OR TEMPORARY SOIL STABILIZATION SHALL BE APPLIED TO DENUDED AREAS WITHIN SEVEN DAYS AFTER FINAL GRADE IS REACHED ON ANY PORTION OF THE SITE, AND SHALL ALSO BE APPLIED WITHIN SEVEN DAYS TO DENUDED AREAS WHICH MAY NOT BE AT FINAL GRADE, BUT WILL REMAIN DORMANT (UNDISTURBED) FOR LONGER THAN FORTY-FIVE DAYS.
3. SEDIMENT BARRIER. SHEET FLOW RUNOFF FROM DENUDED AREAS SHALL BE FILTERED.
4. STORM SEWER INLET PROTECTION. ALL STORM SEWER INLETS WHICH ACCEPT WATER RUNOFF FROM THE DEVELOPMENT AREA SHALL BE PROTECTED SO THAT SEDIMENT-LADEN WATER WILL NOT ENTER THE STORM SEWER SYSTEM WITHOUT FIRST BEING FILTERED OR OTHERWISE TREATED TO REMOVE SEDIMENT.
5. CONSTRUCTION ACCESS ROUTES. MEASURES SHALL BE TAKEN TO PREVENT SOIL TRANSPORT ONTO SURFACES WHERE RUNOFF IS NOT CHECKED BY SEDIMENT CONTROLS, OR ONTO PUBLIC ROADS.
6. CUT AND FILL SLOPES. CUT AND FILL SLOPES SHALL BE CONSTRUCTED IN A MANNER WHICH WILL MINIMIZE EROSION. CONSIDERATION SHALL BE GIVEN TO THE LENGTH AND STEEPNESS OF THE SLOPE, SOIL TYPE, UPSLOPE DRAINAGE AREA, GROUNDWATER CONDITIONS, AND SLOPE STABILIZATION.
7. ESTABLISHMENT OF PERMANENT VEGETATION. A PERMANENT VEGETATION SHALL NOT BE CONSIDERED ESTABLISHED UNTIL GROUND COVER IS ACHIEVED WHICH, IN THE OPINION OF THE APPROVING AGENCY, PROVIDES ADEQUATE COVER AND IS MATURE ENOUGH TO CONTROL SOIL EROSION SATISFACTORILY AND TO SURVIVE ADVERSE WEATHER CONDITIONS.
8. DISPOSITION OF TEMPORARY PRACTICES. ALL TEMPORARY EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE DISPOSED OF WITHIN THIRTY DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY PRACTICES ARE NO LONGER NEEDED, UNLESS OTHERWISE AUTHORIZED BY THE APPROVING AGENCY. TRAPPED SEDIMENT SHALL BE PERMANENTLY STABILIZED TO PREVENT FURTHER EROSION.
9. MAINTENANCE. ALL TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE DESIGNED AND CONSTRUCTED TO MINIMIZE MAINTENANCE REQUIREMENTS. THEY SHALL BE MAINTAINED AND REPAIRED AS NEEDED TO ASSURE CONTINUED PERFORMANCE OF THEIR INTENDED FUNCTION.



Inlet Sediment Filter (P)

CONTRACTOR SHALL PLACE SEDIMENT FENCE AS LOCATED ON PLAN SHEET. THE HEIGHT OF THE INLET PROTECTION FENCE SHALL NOT EXCEED 36 INCHES (HIGHER FENCES MAY IMPOUND VOLUMES OF WATER SUFFICIENT TO CAUSE FAILURE).

THE FILTER FABRIC SHALL BE PURCHASED IN A CONTINUOUS ROLL CUT TO THE LENGTH OF THE BARRIER TO AVOID THE USE OF JOINTS. WHEN JOINTS ARE NECESSARY FILTER CLOTH SHALL BE SPLICED TOGETHER ONLY AT A SUPPORT POST WITH A MINIMUM 6-INCH OVERLAP AND SECURELY SEALED.

POSTS SHALL BE SPACED A MAXIMUM OF 6 FEET APART AT THE BARRIER LOCATION AND DRIVEN SECURELY INTO THE GROUND (MINIMUM OF 12 INCHES). EXTRA STRENGTH FABRIC SHALL BE USED.

A TRENCH SHALL BE EXCAVATED APPROXIMATELY 4 INCHES WIDE AND 4 INCHES DEEP ALONG THE LINE OF POSTS AND UPSLOPE FROM THE BARRIER.

THE FABRIC SHALL BE STAPLED OR WIRED TO THE FENCE AND 8 INCHES OF THE FABRIC SHALL BE EXTENDED INTO THE TRENCH. THE FABRIC SHALL NOT EXTEND MORE THAN 36 INCHES ABOVE THE ORIGINAL GROUND SURFACE.

THE TRENCH SHALL BE BACKFILLED AND SOIL COMPACTED OVER THE FILTER FABRIC.

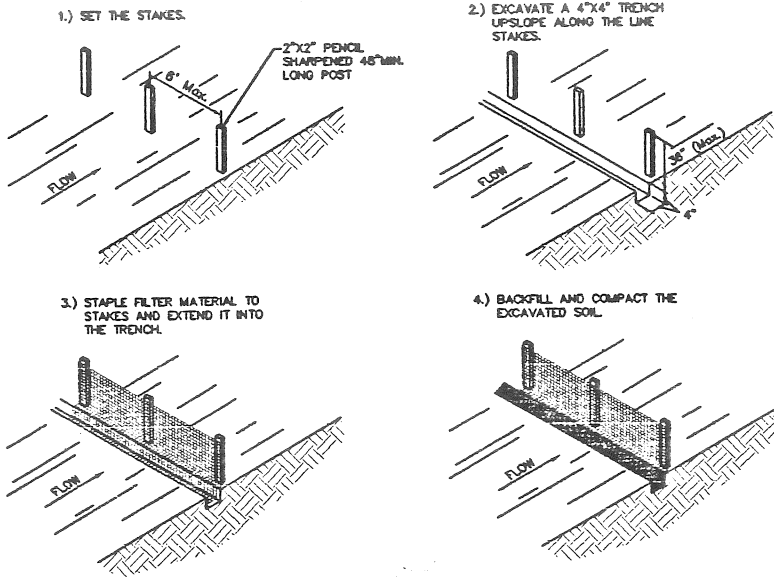
INLET PROTECTION FENCES SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.

SHOULD THE FABRIC ON A SILT FENCE OR FILTER BARRIER DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE AND THE BARRIER IS STILL NECESSARY THE FABRIC SHALL BE REPLACED PROMPTLY.

SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH STORM EVENT. THEY MUST BE REMOVED WHEN DEPOSITS REACH APPROXIMATELY HALF THE HEIGHT OF THE BARRIER.

ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE INLET PROTECTION FENCE IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM WITH THE EXISTING GRADE PREPARED AND SEEDED.

INLET PROTECTION FENCES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFUL PURPOSE BUT NOT BEFORE THE UPSLOPE AREA HAS BEEN PERMANENTLY STABILIZED.



Sediment Fence Detail

CONTRACTOR SHALL PLACE SEDIMENT FENCE AS LOCATED ON PLAN SHEET.

THE HEIGHT OF A SILT FENCE SHALL NOT EXCEED 36 INCHES (HIGHER FENCES MAY IMPOUND VOLUMES OF WATER SUFFICIENT TO CAUSE FAILURE TO THE STRUCTURE).

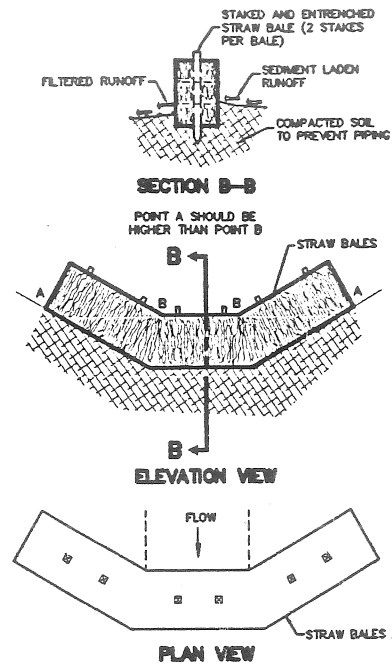
THE FILTER FABRIC SHALL BE PURCHASED IN A CONTINUOUS ROLL CUT TO THE LENGTH OF THE BARRIER TO AVOID THE USE OF JOINTS. WHEN JOINTS ARE NECESSARY FILTER CLOTH SHALL BE SPLICED TOGETHER ONLY AT A SUPPORT POST WITH A MINIMUM 6-INCH OVERLAP AND SECURELY SEALED.

POSTS SHALL BE SPACED A MAXIMUM OF 6 FEET APART AT THE BARRIER LOCATION AND DRIVEN SECURELY INTO THE GROUND (MINIMUM OF 12 INCHES). EXTRA STRENGTH FABRIC SHALL BE USED.

A TRENCH SHALL BE EXCAVATED APPROXIMATELY 4 INCHES WIDE AND 4 INCHES DEEP ALONG THE LINE OF POSTS AND UPSLOPE FROM THE BARRIER.

THE FABRIC SHALL BE STAPLED OR WIRED TO THE FENCE AND 8 INCHES OF THE FABRIC SHALL BE EXTENDED INTO THE TRENCH. THE FABRIC SHALL NOT EXTEND MORE THAN 36 INCHES ABOVE THE ORIGINAL GROUND SURFACE. FILTER FABRIC SHALL NOT BE STAPLED TO EXISTING TREES.

THE TRENCH SHALL BE BACKFILLED AND SOIL COMPACTED OVER THE FILTER FABRIC.



Sediment Barrier In Drainage Way

CONTRACTOR SHALL PLACE SEDIMENT BARRIERS AS LOCATED ON PLAN SHEET IMMEDIATELY AFTER CONSTRUCTION OF DRAINAGE SWALES.

THE DITCH SHALL BE INSPECTED AFTER EACH RAIN AND REPAIRS MADE AS NEEDED.

SEDIMENT SHALL BE REMOVED AND THE BALES RESTORED TO THEIR ORIGINAL DIMENSION WHEN THE SEDIMENT HAS ACCUMULATED TO HALF THE DESIGN DEPTH OF THE TRAP. SEDIMENT REMOVED SHALL BE DEPOSITED IN SUCH A MANNER THAT IT WILL NOT ERODE.

SEDIMENT FILTERS SHALL BE REMOVED WHEN ITS DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.

IT MAY BECOME NECESSARY TO REMOVE PORTIONS OF THE SEDIMENT FENCE DURING CONSTRUCTION TO FACILITATE THE GRADING OPERATIONS IN CERTAIN AREAS. HOWEVER, THE SEDIMENT FENCE SHALL BE IN PLACE IN THE EVENING OR DURING ANY INCLEMENT WEATHER.

SILT FENCES AND FILTER BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.

SHOULD THE FABRIC ON A SILT FENCE OR FILTER BARRIER DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE AND THE BARRIER IS STILL NECESSARY THE FABRIC SHALL BE REPLACED PROMPTLY.

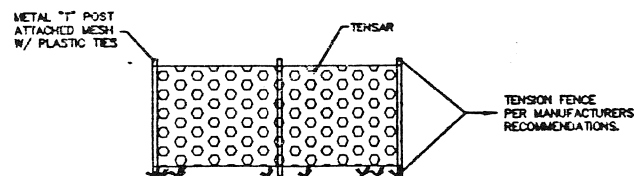
SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH STORM EVENT. THEY MUST BE REMOVED WHEN DEPOSITS REACH APPROXIMATELY ONE-HALF THE HEIGHT OF THE BARRIER.

ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SILT FENCE OR FILTER BARRIER IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM WITH THE EXISTING GRADE PREPARED AND SEEDED.

SILT FENCES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFUL PURPOSE BUT NOT BEFORE THE UPSLOPE AREA HAS BEEN PERMANENTLY STABILIZED.

Temporary Seeding & Mulching For Erosion Control

SEED TYPE	SEEDING DATES	PER 1000 SQ. FT.	PER ACRE
TALL FESCUE & ANNUAL RYEGRASS		2 POUNDS & 1/4 POUND	80 POUNDS & 20 POUNDS
SMALL GRAIN STRAW	MARCH 1 TO SEPTEMBER 15	100 POUNDS OR 2 OR 3 BALES	2 TONS OR 50 BALES
FERTILIZER		25 POUNDS OF 12-12-12 OR THE EQUIVALENT	100 POUNDS OF 12-12-12 OR THE EQUIVALENT
TEMPORARY SEEDING			
ANNUAL RYEGRASS OR WHEAT	SEPTEMBER 15 TO OCTOBER 30	3 POUNDS	2 BUSHELS
SOIL PROTECTION			
SMALL GRAIN STRAW MULCH	OCTOBER 30 TO MARCH 1	2 TO 3 BALES	2 TONS

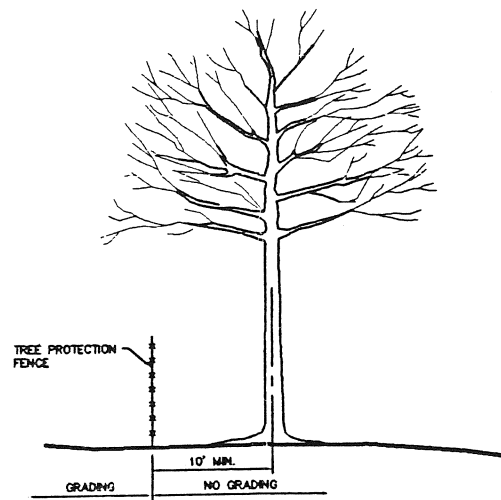


Tree Protection Fence Detail

PROTECTION FENCE SHALL BE 4' HIGH TENSAR "SAFETY GRID", COLOR ORANGE, AS MANUFACTURED BY TENSAR CORPORATION, MORROW, GEORGIA 30260, (800) 942-9448, OR EQUAL. INSTALLATION SHALL BE PER MANUFACTURER'S RECOMMENDATIONS. INTERMEDIATE POSTS SHALL BE SPACED EVERY 10 FEET.

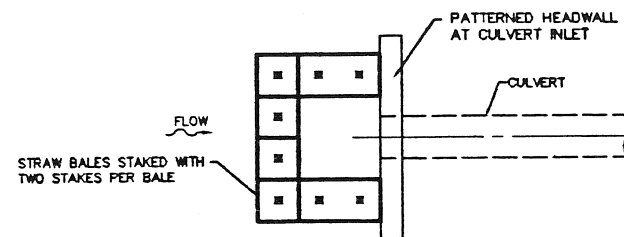
FENCE SHALL BE INSTALLED NO CLOSER TO THE TREES TO BE PROTECTED THAN THE DRIP LINE OF THE TREE OR 10' WHICHEVER IS GREATER.

SEE PLAN SHEETS FOR REQUIRED TREE PROTECTION FENCE LOCATIONS.



Tree Protection Detail

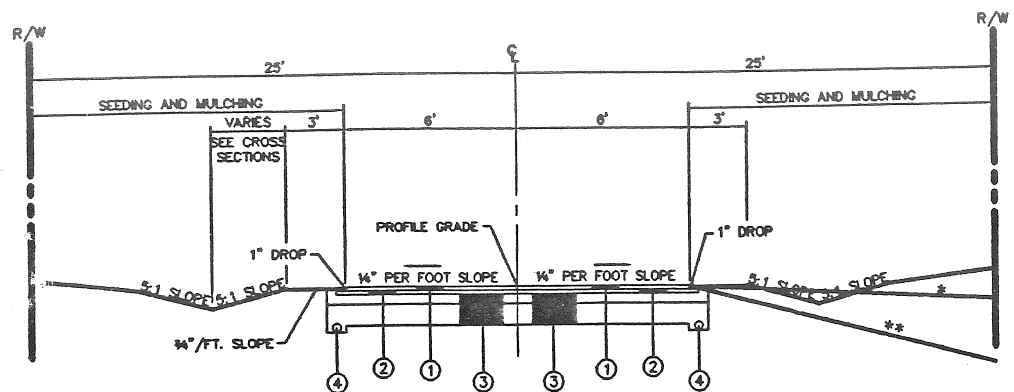
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Culvert Inlet Sediment Filter (P)

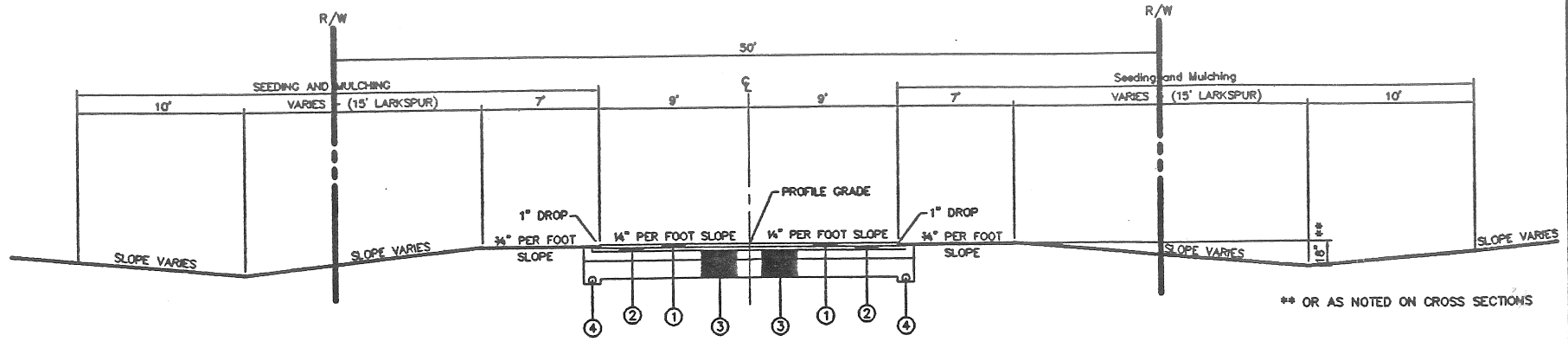
Soil Erosion Notes Construction Sequence

1. GRADE AND STOCKPILE TOPSOIL
2. TEMPORARY SEEDING
3. VEGETATIVE COVER ALL AREAS TO BE EXPOSED LONGER THAN 45 DAYS (TEMPORARY SEEDING).
4. INSTALL UTILITIES
5. INSTALL PAVEMENT SUBGRADE AND DITCHES
6. INSTALL IMPROVEMENTS AND FINAL GRADING.
7. PERFORM CONTINUING MAINTENANCE
8. PERMANENT SEEDING AND MULCHING.
9. REMOVE SEDIMENT FILTERS AND TEMPORARY SILT STACK AFTER VEGETATION GROWTH IS ESTABLISHED.



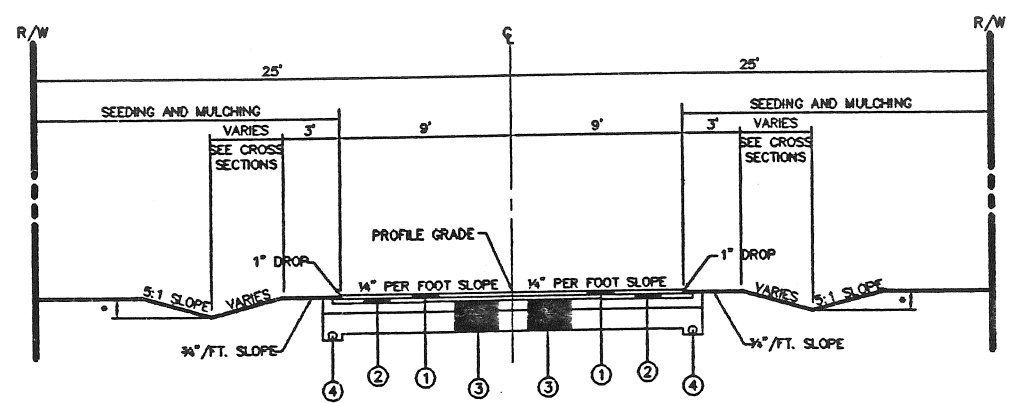
Loop Road & Cul-de-Sac Section
NOT TO SCALE

- * LARKSPUR DRIVE CUL-DE-SAC AS NOTED ON CROSS SECTIONS
- * LOOP ROAD STATION 4+50 TO 7+00 AS NOTED ON CROSS SECTIONS
- ** LOOP ROAD STATION 0+50 TO 3+50 MAX 4:1 SLOPE



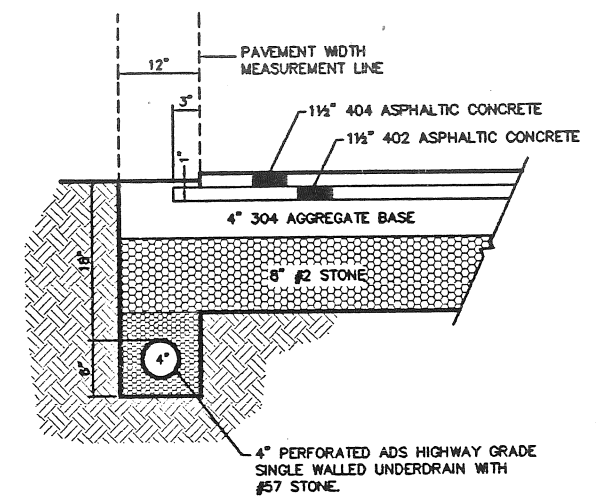
Typical Pavement Section
NOT TO SCALE

- ① 1½" ITEM 404 ASPHALTIC CONCRETE
- ② 1½" ITEM 402 ASPHALTIC CONCRETE
- ③ 4" ITEM 304 AGGREGATE BASE/8" #2 STONE (ALTERNATE 6" ITEM 301 BITUMINOUS AGGREGATE BASE IN 2 LIFTS).
- ④ SEE PAVEMENT UNDERDRAIN DETAIL

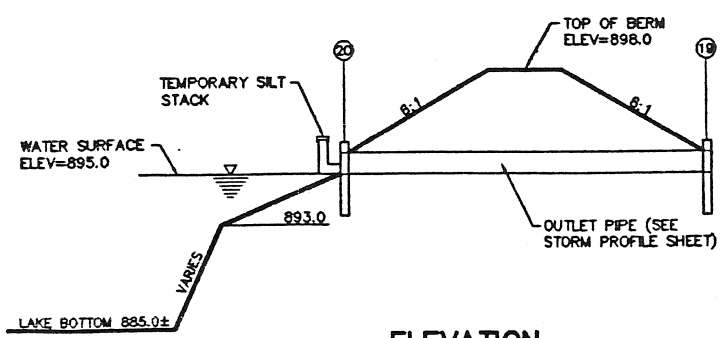


Typical X-Section At Woods
Not to Scale

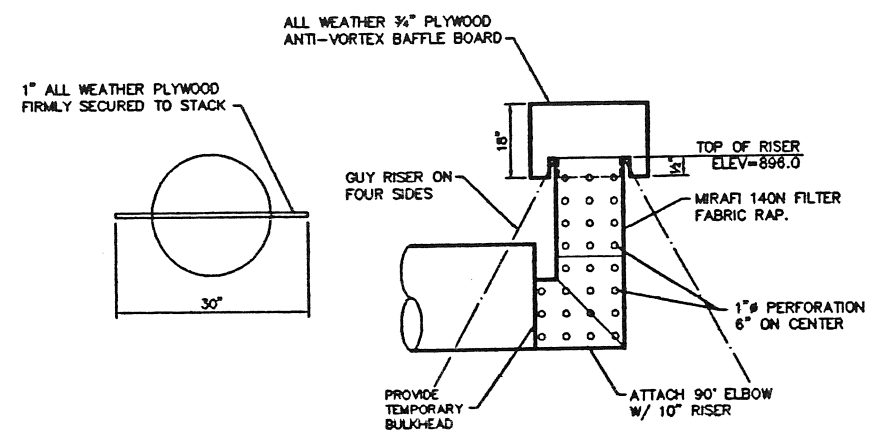
* SEE CROSS SECTIONS



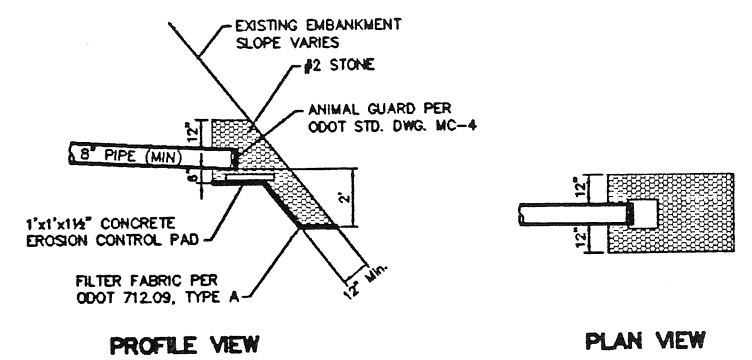
Pavement Underdrain Detail
NOT TO SCALE



Lake Temporary Sediment Basin
Not to Scale



Temporary Silt Stack
NOT TO SCALE

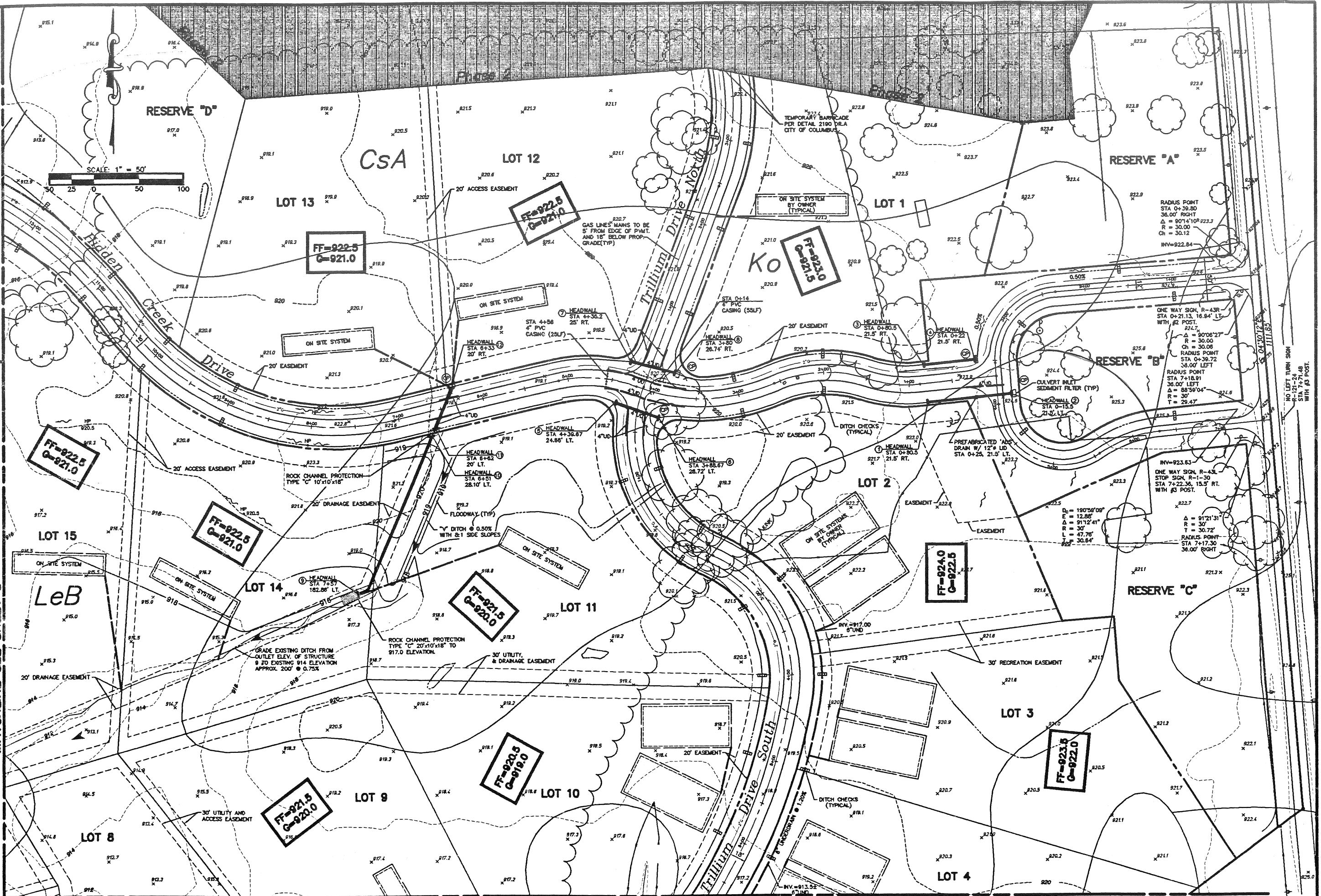


Underdrain Outlet Detail
NOT TO SCALE

MATCHLINE SEE SHEET 7

MATCHLINE SEE SHEET 8

MATCHLINE SEE SHEET 6



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 Fax 614.433.9513

**Hidden Creek At The Darby
 West Jefferson
 Madison County, Ohio**

**GRADING
 & UTILITY
 SHEET**

Scale: 1" = 50'

Date: 10/10/95

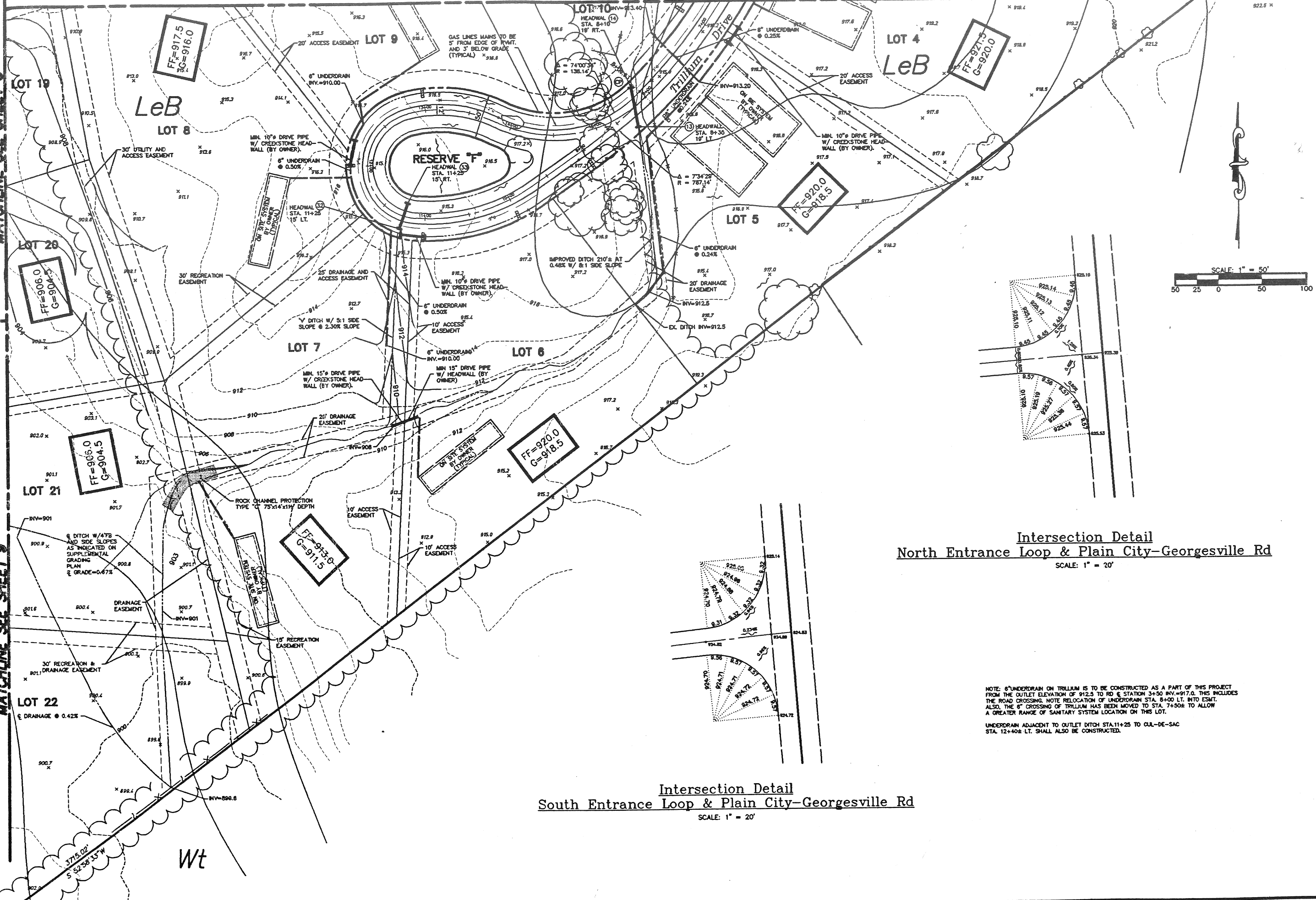
Revisions: 01/18/96
 03/28/96 (ENTRANCE LOOP)
 5/16/96 (UNDERDRAINS)

CEA ST554M11-50

MATCHLINE SEE SHEET 6

MATCHLINE SEE SHEET 9

MATCHLINE SEE SHEET 5



Intersection Detail
 North Entrance Loop & Plain City-Georgesville Rd
 SCALE: 1" = 20'

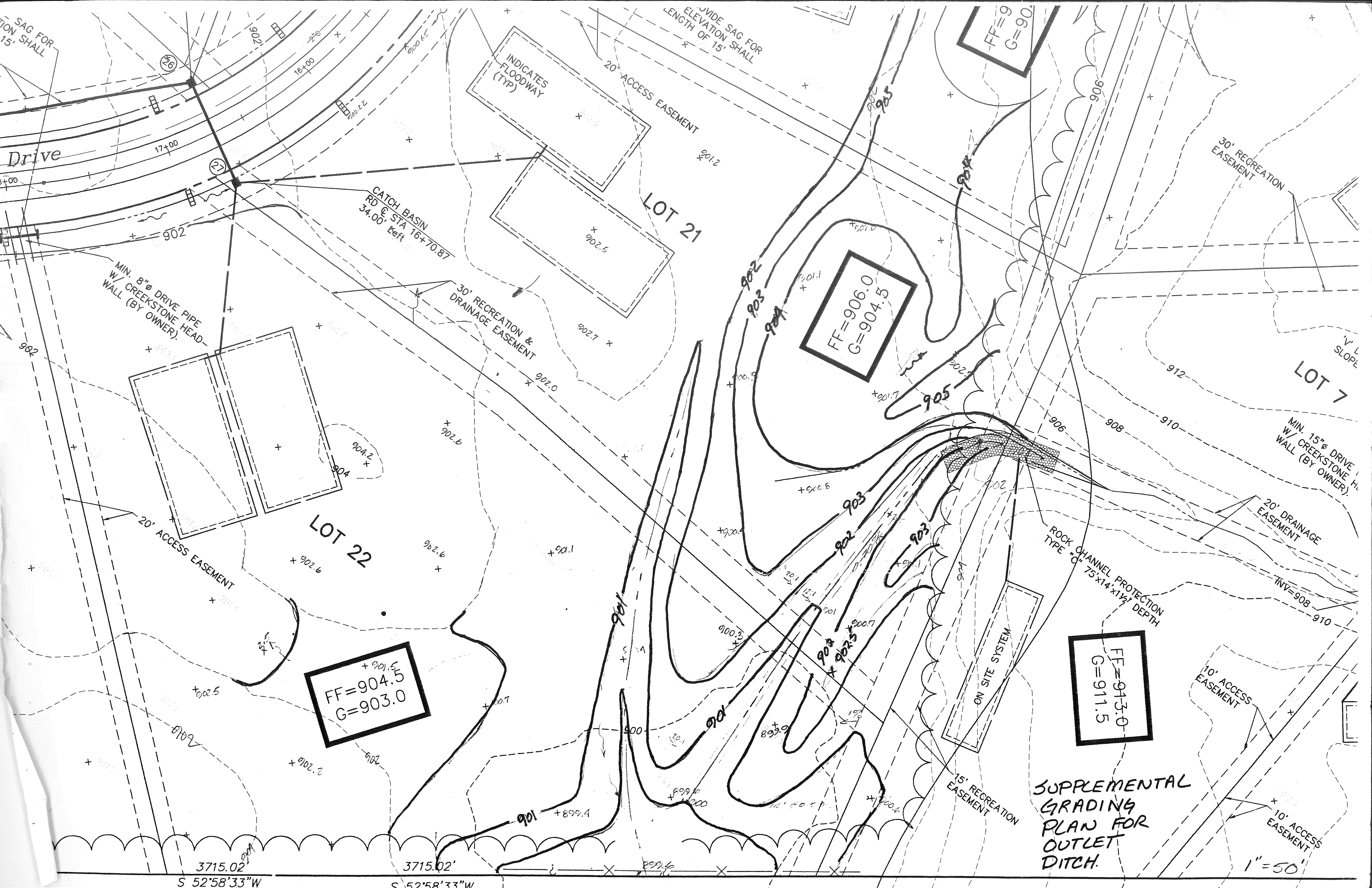
Intersection Detail
 South Entrance Loop & Plain City-Georgesville Rd
 SCALE: 1" = 20'

NOTE: 6" UNDERDRAIN ON TRILLIUM IS TO BE CONSTRUCTED AS A PART OF THIS PROJECT FROM THE OUTLET ELEVATION OF 912.5 TO RD @ STATION 3+50 INV.=917.0. THIS INCLUDES THE ROAD CROSSING. NOTE RELOCATION OF UNDERDRAIN STA. 8+00 LT. INTO ESMT. ALSO, THE 6" CROSSING OF TRILLIUM HAS BEEN MOVED TO STA. 7+50± TO ALLOW A GREATER RANGE OF SANITARY SYSTEM LOCATION ON THIS LOT.
 UNDERDRAIN ADJACENT TO OUTLET DITCH STA. 11+25 TO CUL-DE-SAC STA. 12+40± LT. SHALL ALSO BE CONSTRUCTED.

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Hidden Creek At The Darby
West Jefferson
Madison County, Ohio

GRADING & UTILITY SHEET
Scale: 1" = 50'
Date: 10/10/95
Revisions: 1/18/96 5/16/96 UNDERDRAIN & DRAINAGE
CEA ST554M2-50
6 of 29



DUPLICATE SAG FOR ELEVATION SHALL LENGTH OF 15'

SAG FOR LENGTH OF 15'

INDICATES FLOODWAY (TYP)

20' ACCESS EASEMENT

FF=906.0
G=904.5

LOT 21

CATCH BASIN
RD @ STA 16+70.87
34.00' left

30' RECREATION EASEMENT

MIN. 8" DRIVE PIPE
W/ CREEKSTONE HEAD
WALL (BY OWNER)

30' RECREATION &
DRAINAGE EASEMENT

LOT 7

MIN. 15" DRIVE
W/ CREEKSTONE WALL (BY OWNER)

LOT 22

20' DRAINAGE EASEMENT

ROCK CHANNEL PROTECTION
TYPE "O" 75'x14'x1 1/2' DEPTH

FF=904.5
G=903.0

FF=913.0
G=911.5

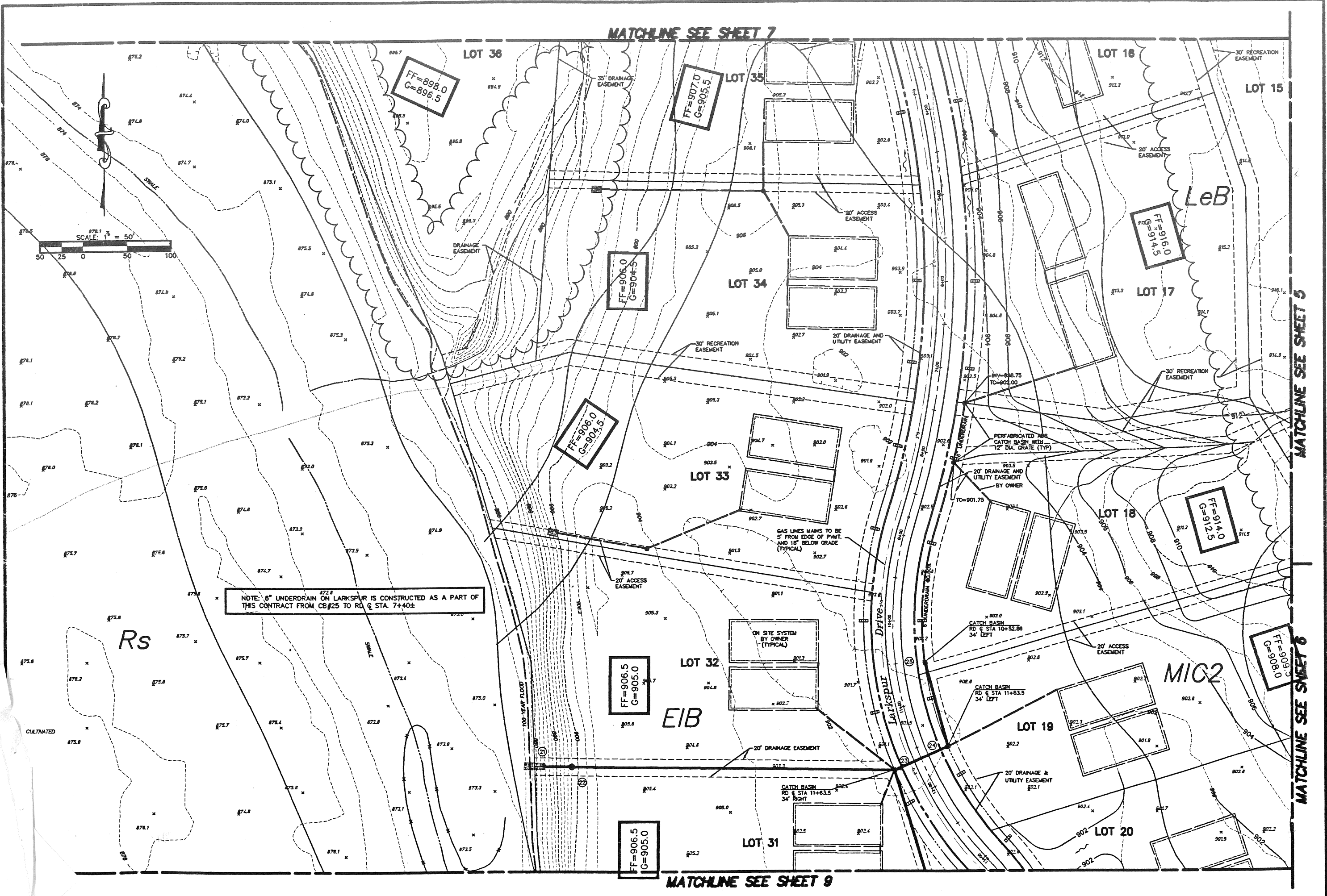
ON SITE SYSTEM

SUPPLEMENTAL
GRADING
PLAN FOR
OUTLET
DITCH.

1"=50'

3715.02'
S 52°58'33"W

3715.02'
S 52°58'33"W



MATCHLINE SEE SHEET 7

MATCHLINE SEE SHEET 5

MATCHLINE SEE SHEET 6

MATCHLINE SEE SHEET 9

NOTE: 6" UNDERDRAIN ON LARKSPUR IS CONSTRUCTED AS A PART OF THIS CONTRACT FROM CB#25 TO RD @ STA. 7+40.5

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Hidden Creek At The Darby
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Madison County, Ohio

GRADING
& UTILITY
SHEET

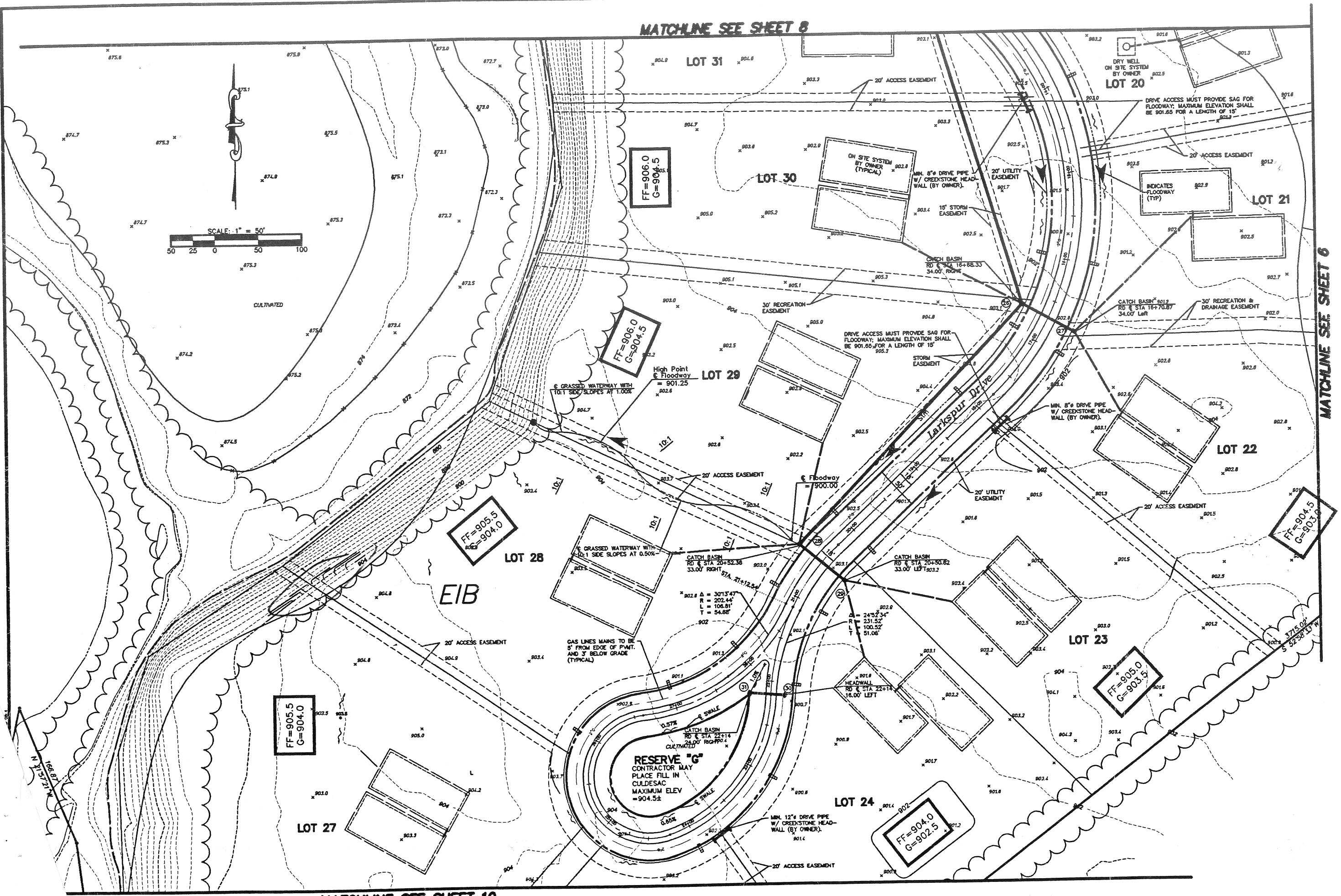
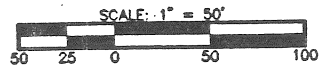
Scale: 1" = 50'

Date: 10/10/95

Revisions: 01/18/96
05/02/96
05/16/96
UNDERDRAINS

CEA ST554M14-50

MATCHLINE SEE SHEET 8

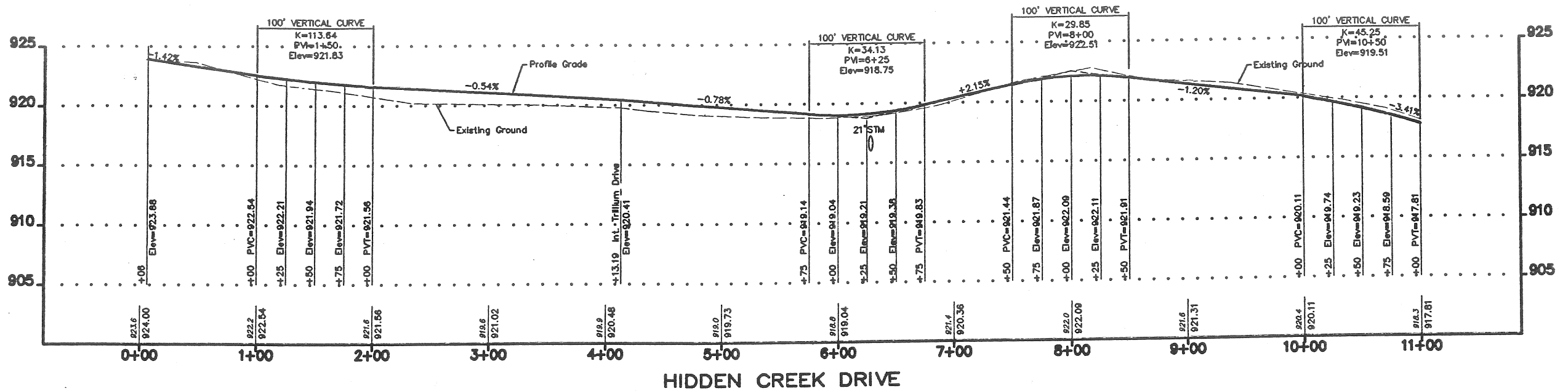


MATCHLINE SEE SHEET 10

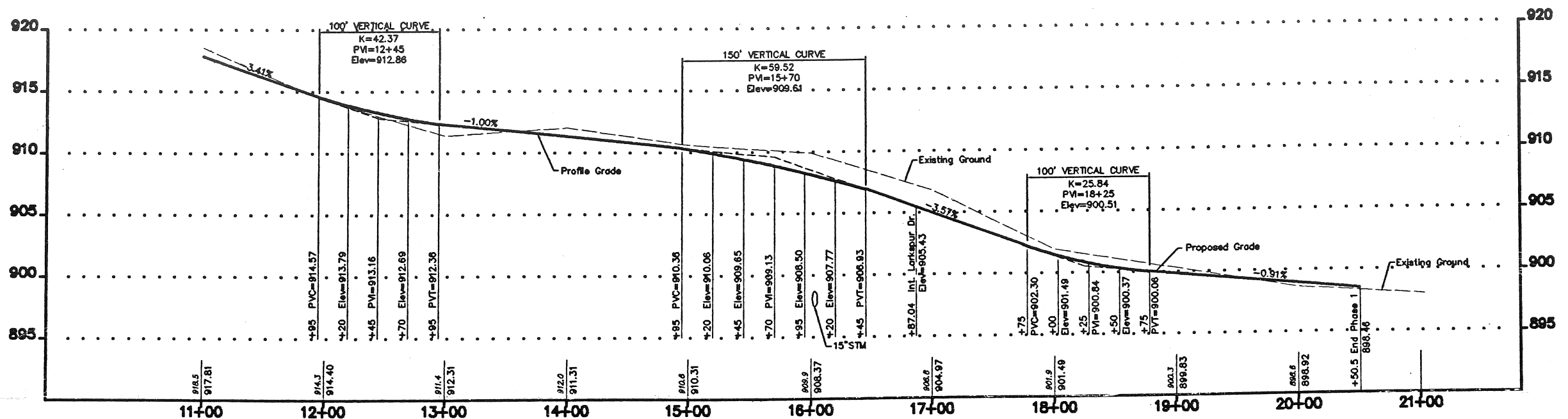
MATCHLINE SEE SHEET 6



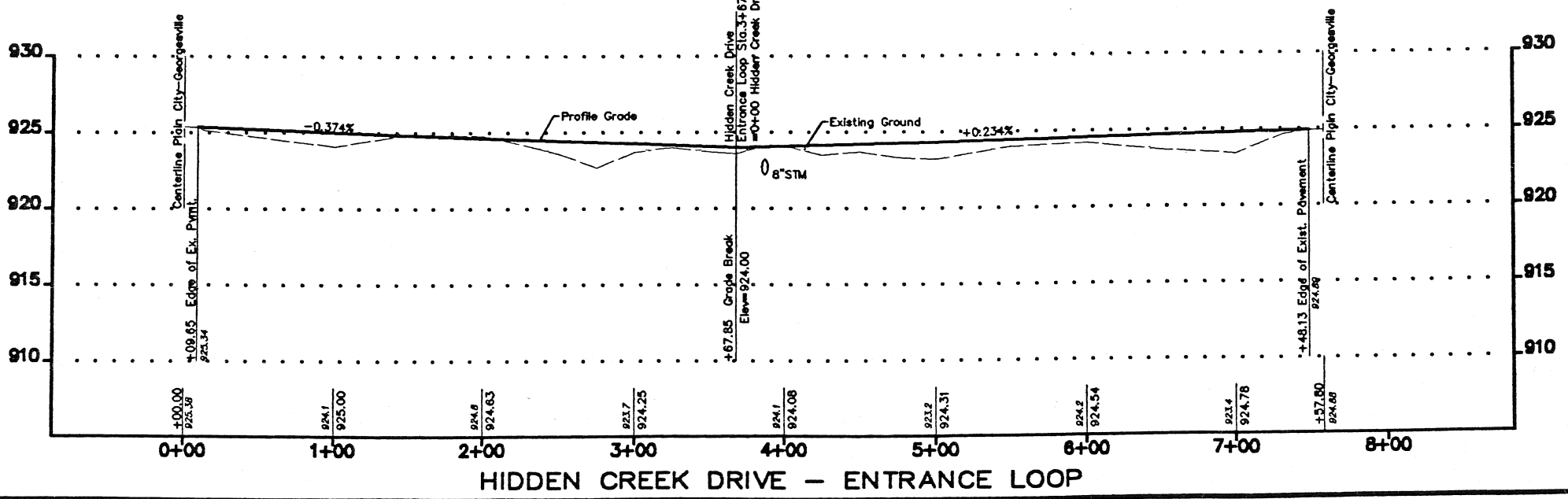
Scale:
Date:
Revisions:
CEA ST



HIDDEN CREEK DRIVE



HIDDEN CREEK DRIVE



HIDDEN CREEK DRIVE - ENTRANCE LOOP

SEE SHEET 10 OF 29 FOR GRADING DETAILS OF INTERSECTIONS OF ENTRANCE LOOP WITH PLAIN CITY-GEORGESVILLE ROAD AND HIDDEN CREEK DRIVE.

SCALE: Horiz: 1" = 50'
Vert: 1" = 5'

**Hidden Creek At The Darby
West Jefferson
Madison County, Ohio**

ROAD PROFILES
Hidden Creek Dr.
& Entrance Loop

Date: 10/10/95
Revisions:
10/19/95
1/18/96
03/27/98 (Loop Grade)

CEA ST554PP1-50

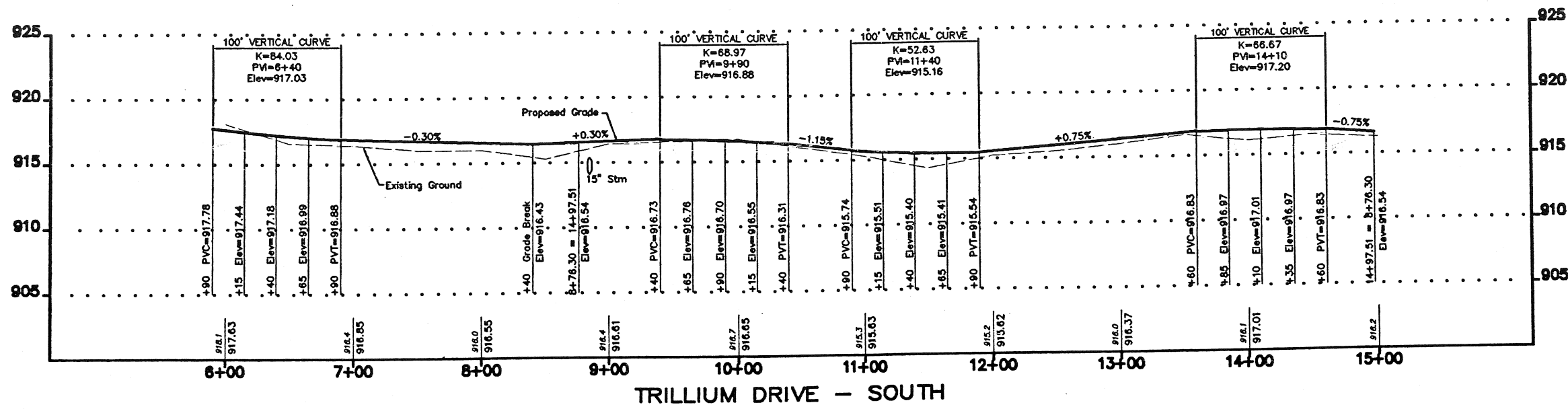
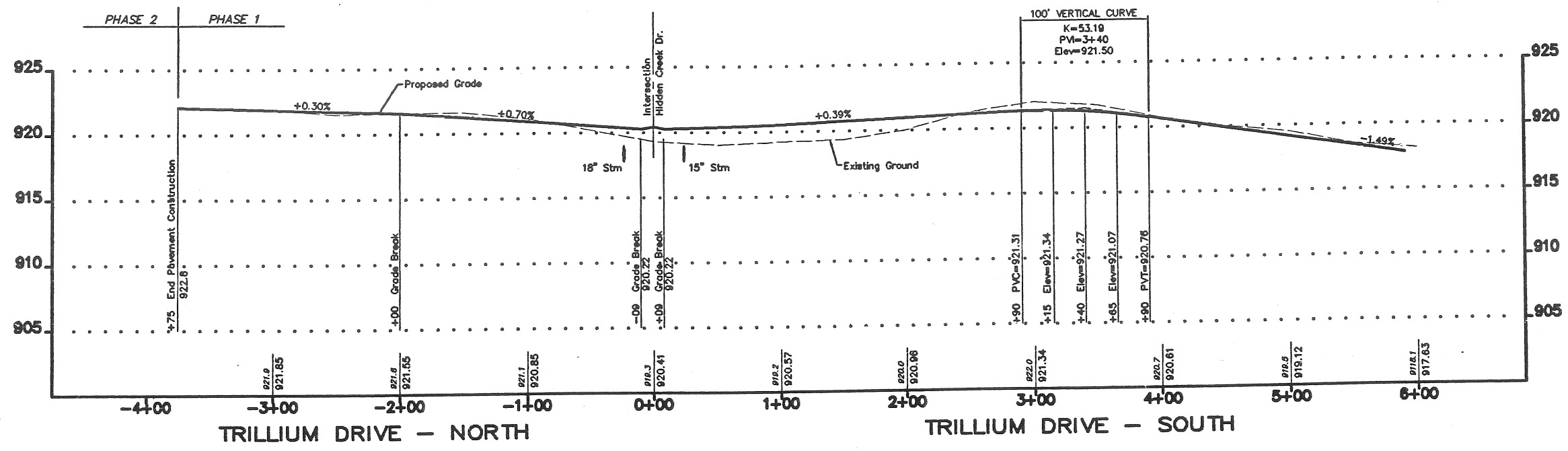
Hidden Creek At The Darby
West Jefferson
Madison County, Ohio

ROAD PROFILES
Trillum Drive

Date: 10/10/95

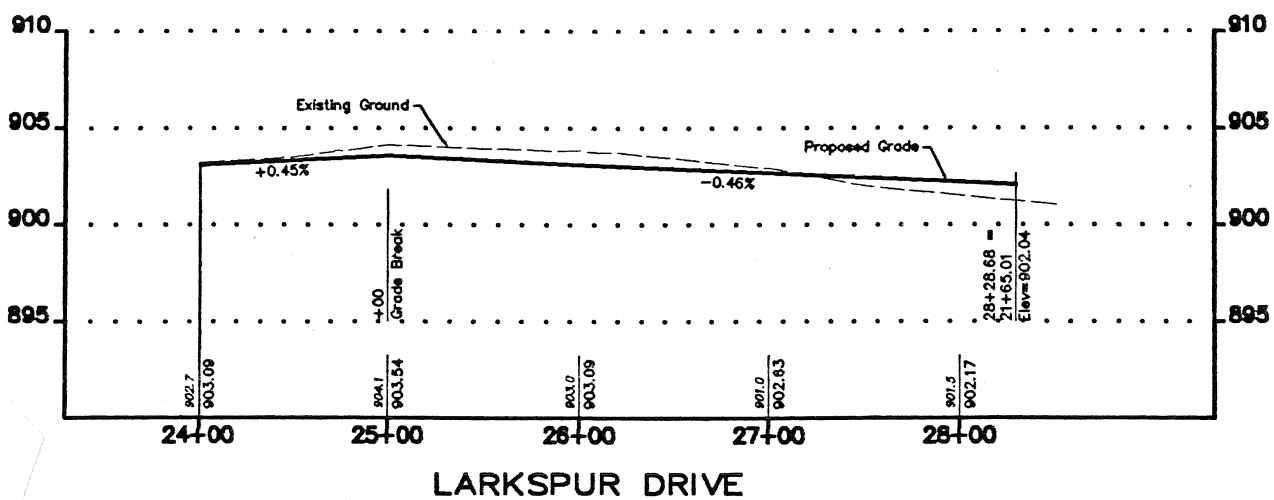
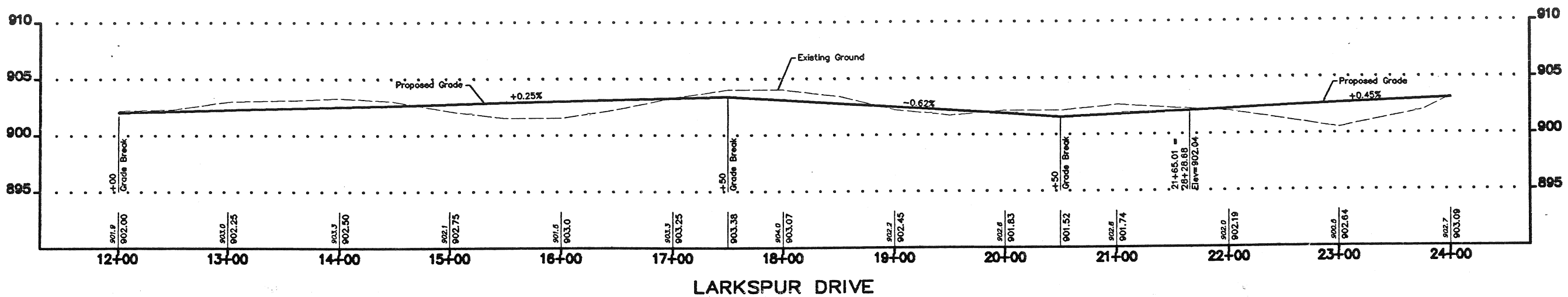
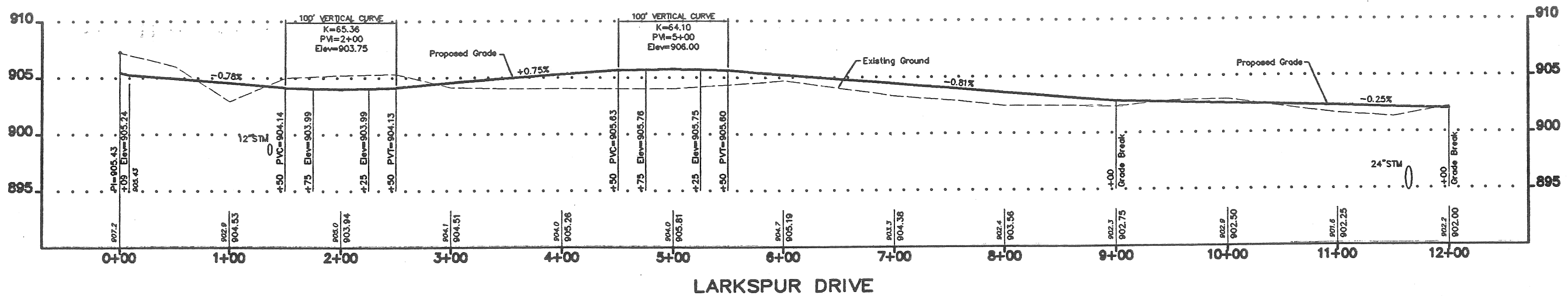
Revisions:
Δ 10/19/95
1/18/96

CEA ST554PP3-50



SEE SHEET 10 OF 29 FOR GRADING
DETAIL OF INTERSECTION WITH
HIDDEN CREEK DRIVE AND CUL-DE-SAC.

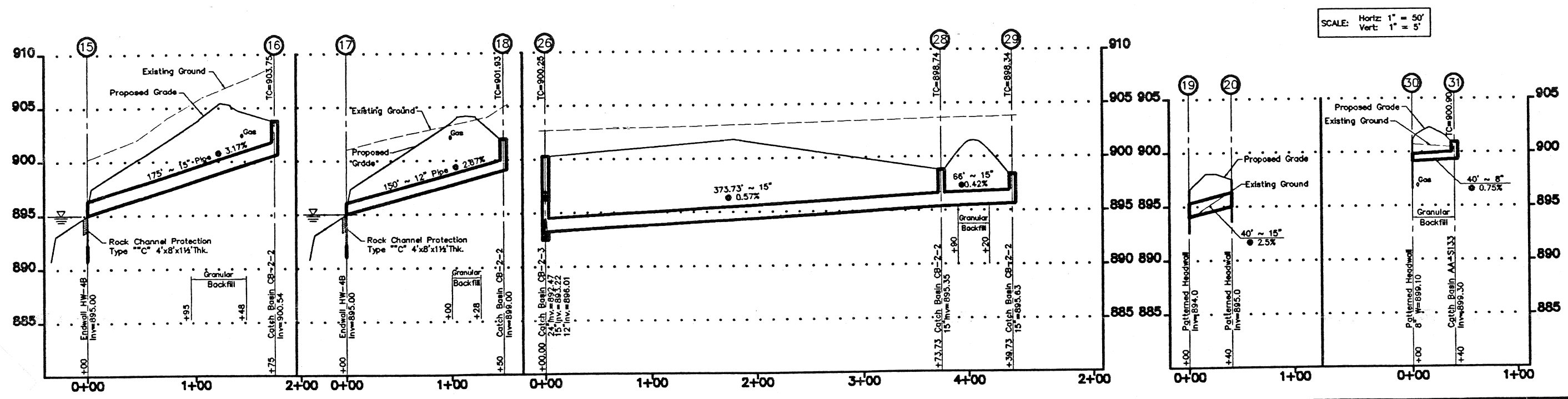
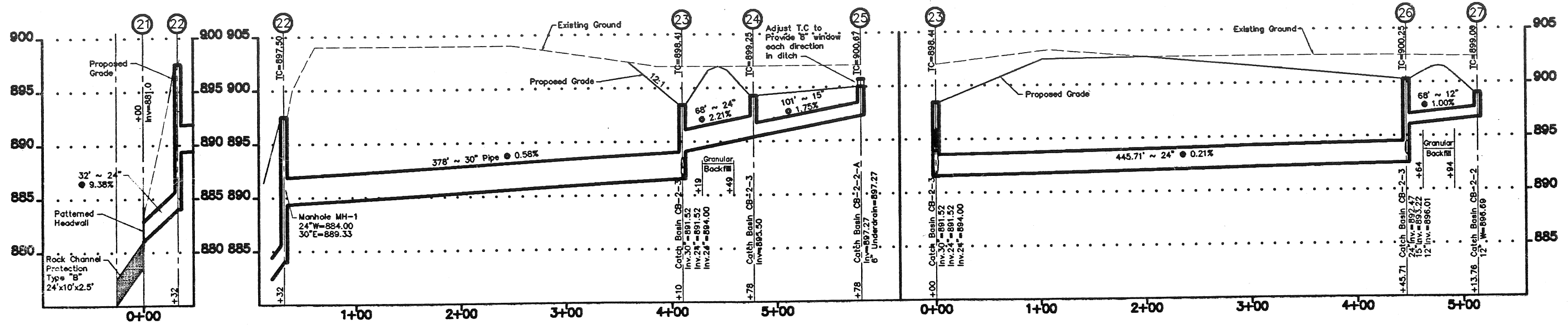
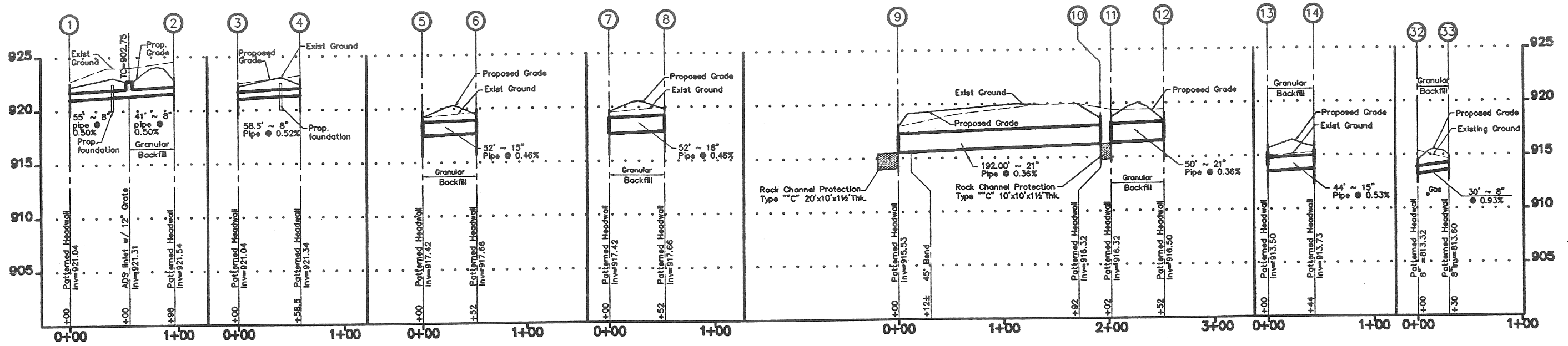
SCALE: Horiz: 1" = 50'
Vert: 1" = 5'



SEE SHEET 10 OF 29 FOR
GRADING DETAILS OF CUL-
DE-SAC OF LARKSPUR DRIVE.

SCALE: Horiz 1" = 50'
Vert 1" = 5'

DRAWN BY: GATE, ON: 06-14-84, 8:28:03



SCALE: Horiz: 1" = 50'
Vert: 1" = 5'

Hidden Creek At The Darby West Jefferson Madison County, Ohio

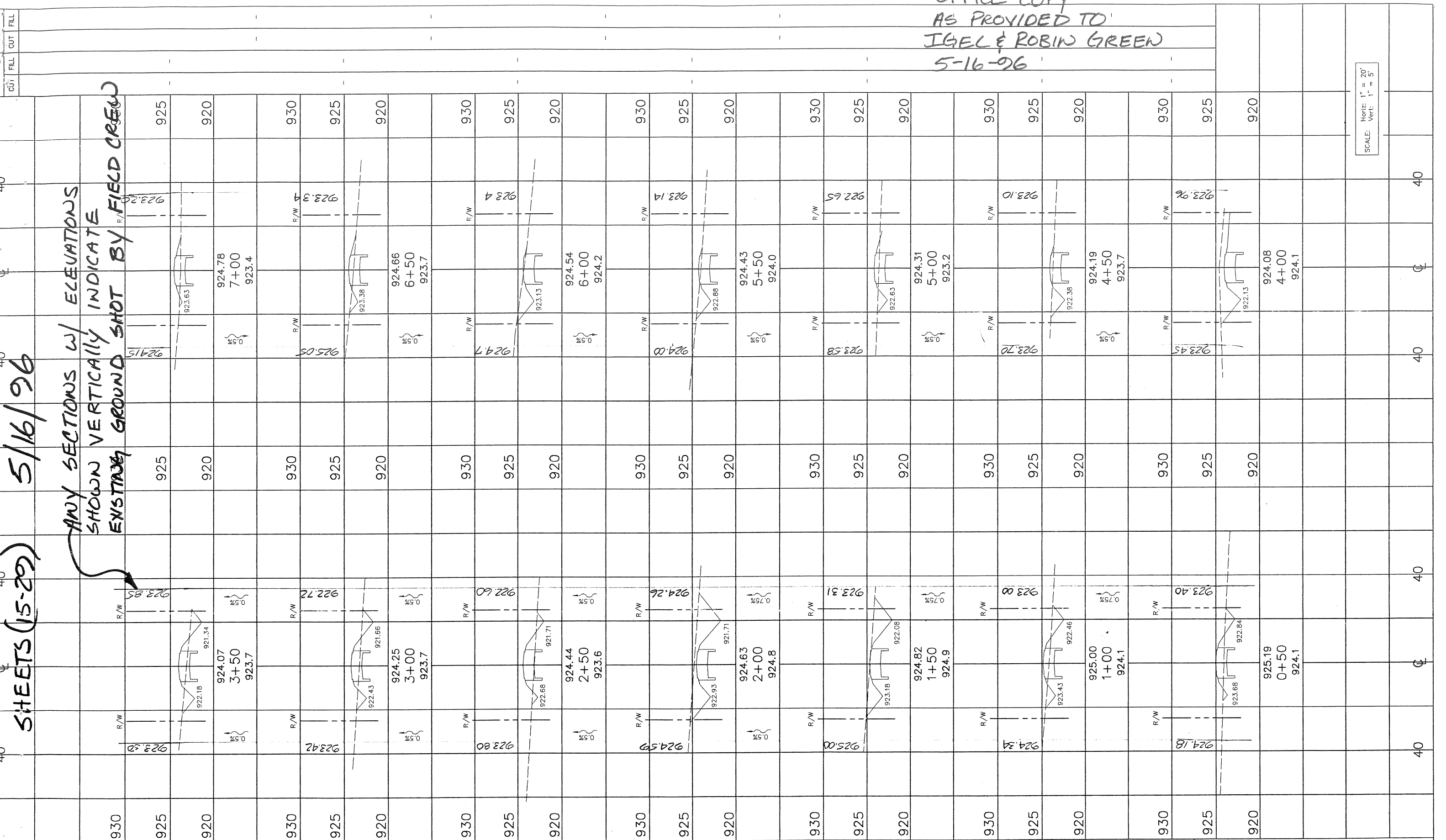
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STORM SEWER PROFILES

Date: 10/10/95
 Revisions:
 10/19/95
 1/18/96
 5/2/96
 5/13/96
 5/16/96

CEA ST554APP4-50

OFFICE COPY
AS PROVIDED TO
IGEL & ROBIN GREEN
5-16-96



SHEETS (15-29)

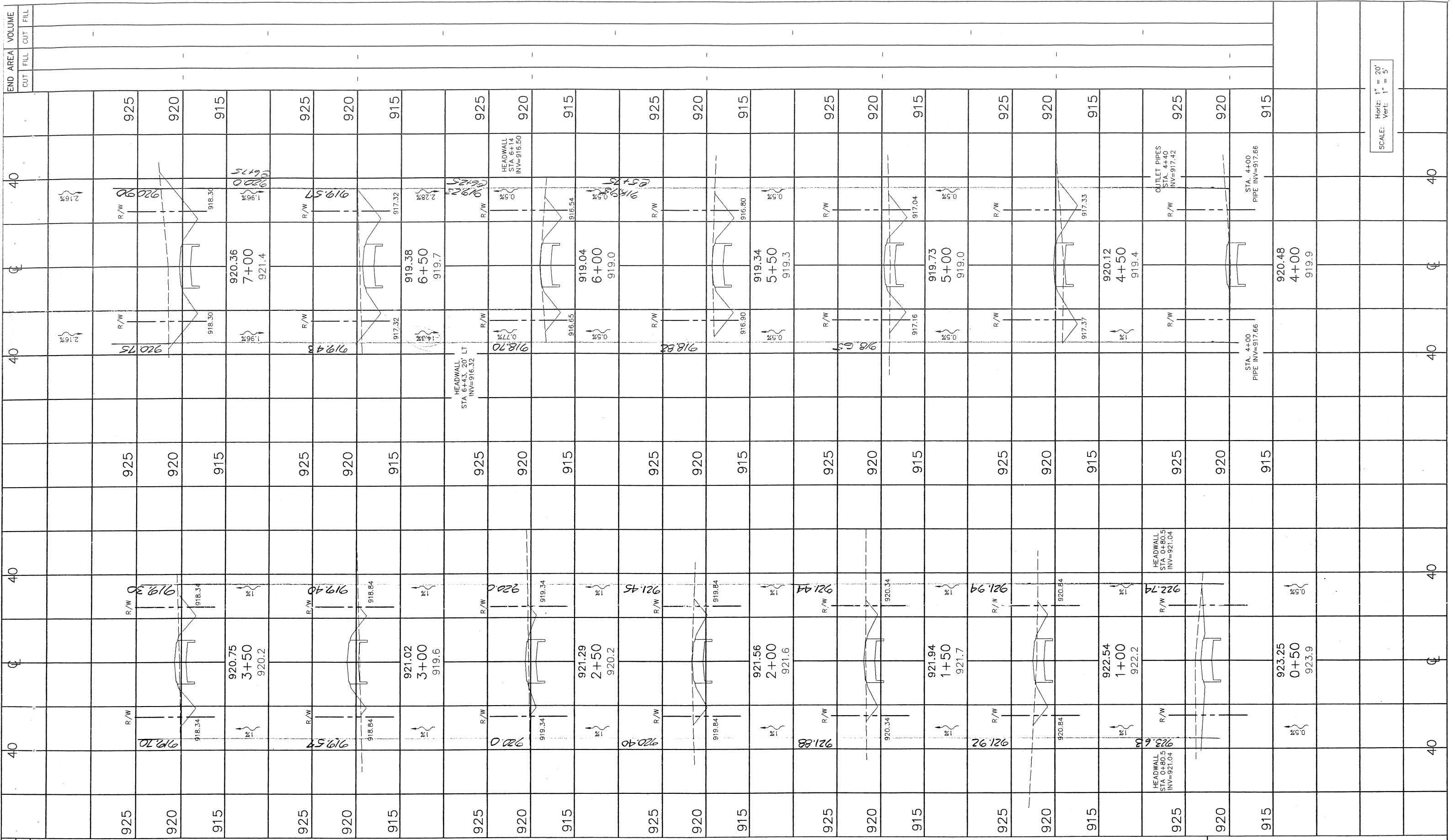
5/16/96

ANY SECTIONS W/
SHOWN VERTICALLY INDICATE
EXISTING GROUND SHOT BY FIELD CREW

SCALE: Horiz: 1" = 20'
Vert: 1" = 5'

END AREA VOLUME		CUT		FILL	
CUT	FILL	CUT	FILL	CUT	FILL

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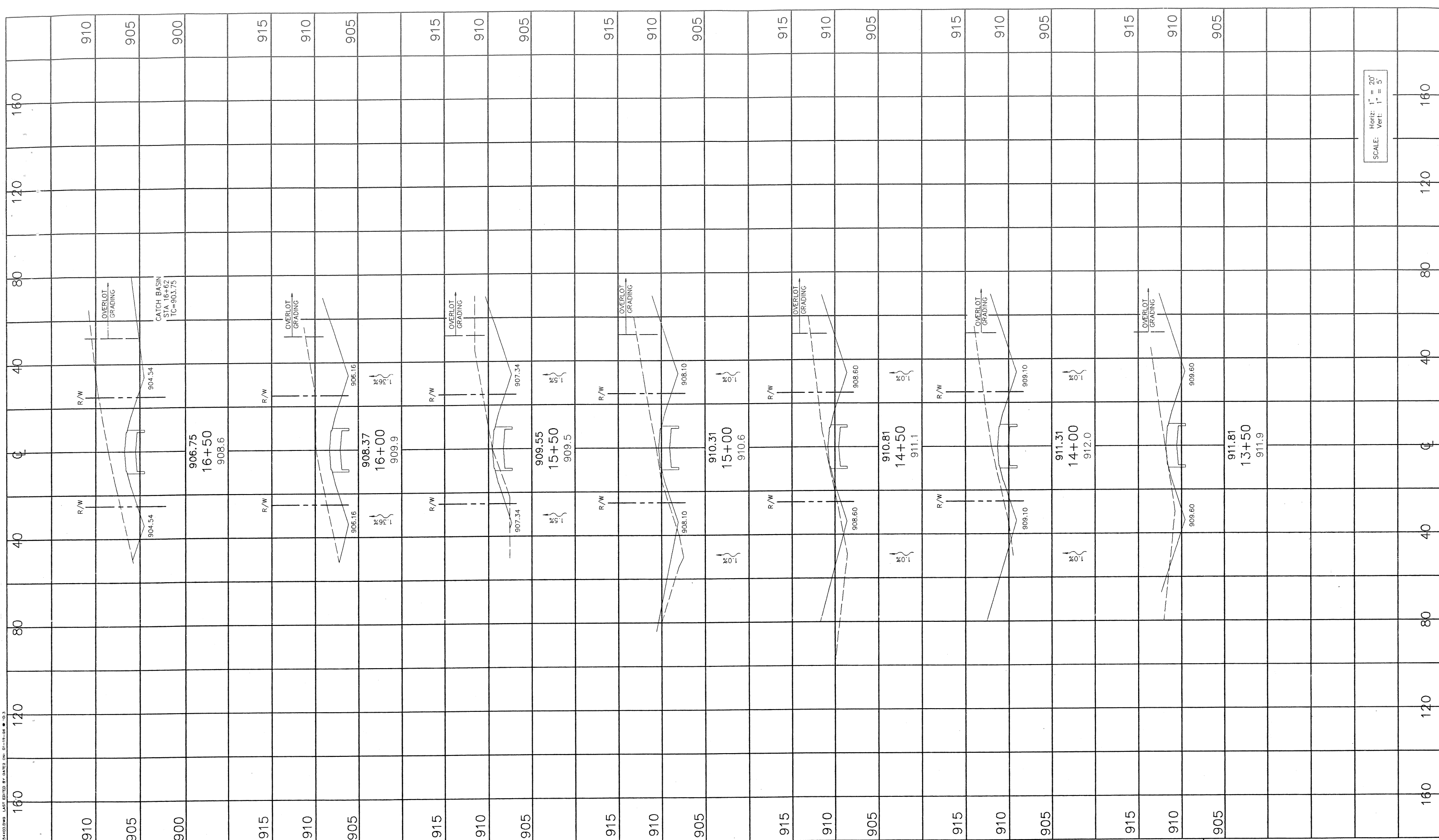
SCALE: Horiz: 1" = 20'
Vert: 1" = 5'

Hidden Creek At The Darby

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SCALE: Horiz: 1" = 20'
Vert: 1" = 5'

END AREA	VOLUME
CUT	FILL
910	
905	
900	
915	
910	
905	
915	
910	
905	
915	
910	
905	
915	
910	
905	
915	
910	
905	
915	
910	
905	

Hidden Creek At The Darby

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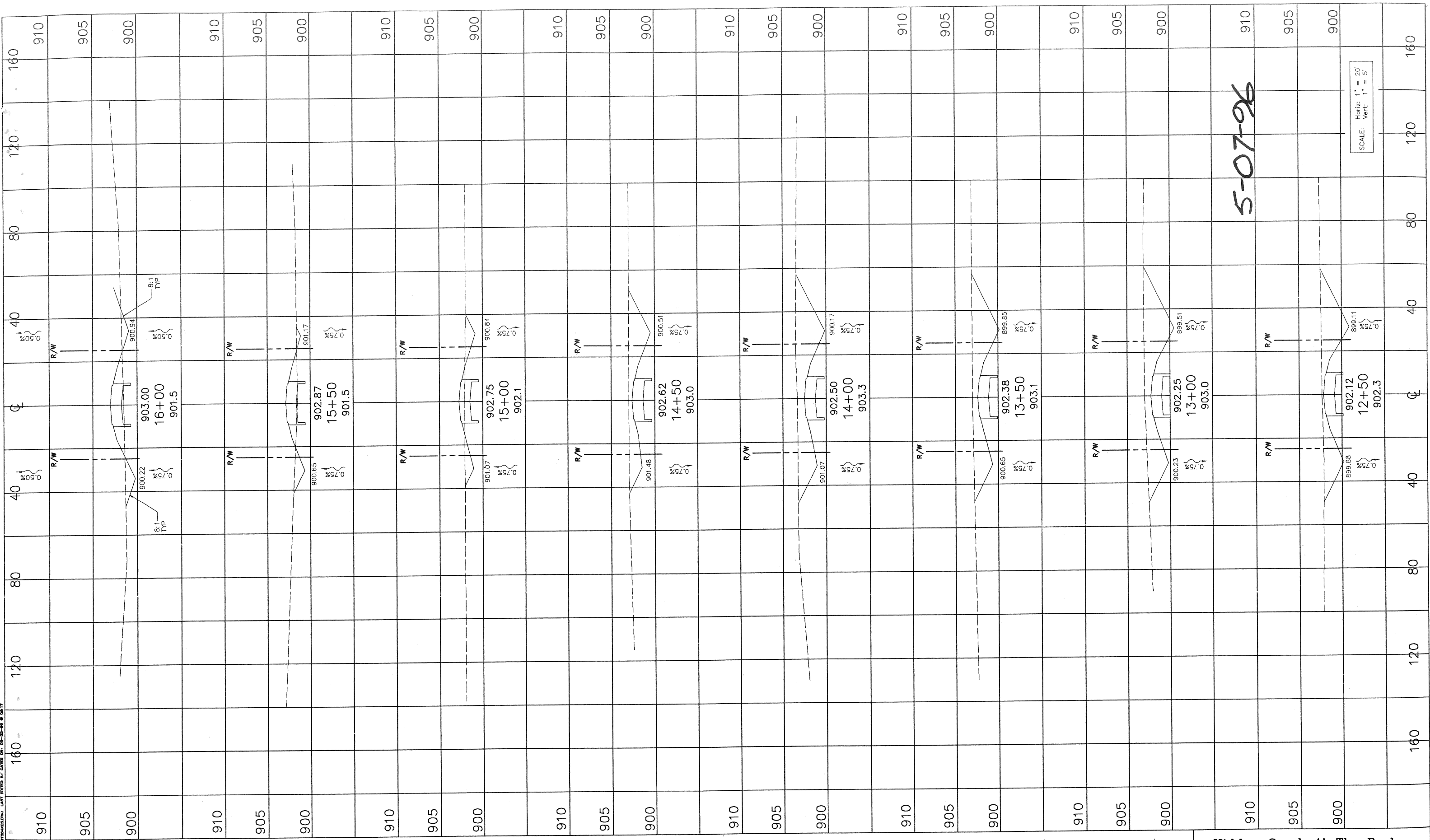
18/29

END AREA		VOLUME		CUT		FILL		CUT		FILL	
920	915	910	925	920	915	910	925	920	915	910	920
<p>HEADWALL STA 84+35 INV=913.50</p>											
<p>HEADWALL STA 84+10 INV=913.75</p>											

Horiz: 1" = 20'
 Vert: 1" = 5'

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D:\A\PROJECTS\16\1601\1601.DWG DATE: 05-05-96 11:00 AM



5-07-96

SCALE: Horiz: 1" = 20'
Vert: 1" = 5'

END AREA	VOLUME	CUT	FILL
910			
905			
900			
910			
905			
900			
910			
905			
900			
910			
905			
900			
910			
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910			
905			
900			

Hidden Creek At The Darby

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26/29

