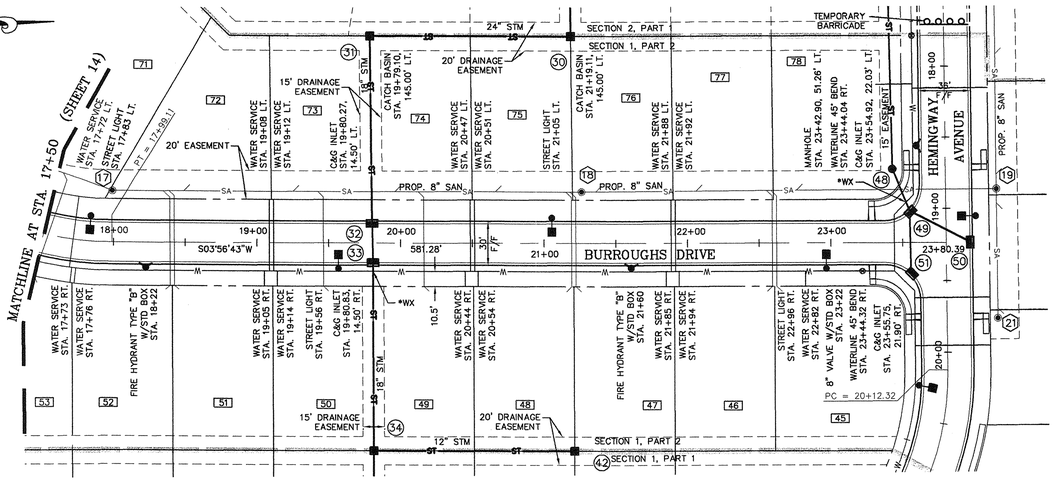
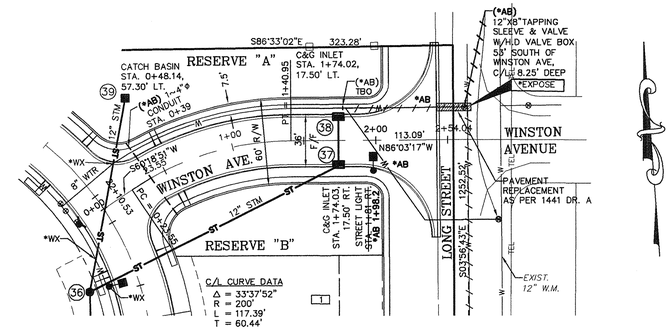


*WX = CONTRACTOR SHALL PROVIDE ITEM 912 COMPACTED GRANULAR BACKFILL AS SHOWN ON THE PLAN FOR WATER LINE CROSSING.

EASEMENT NOTE:
FOR EASEMENT USE, SIZE AND LOCATION REFER TO THE FINAL PLAT.

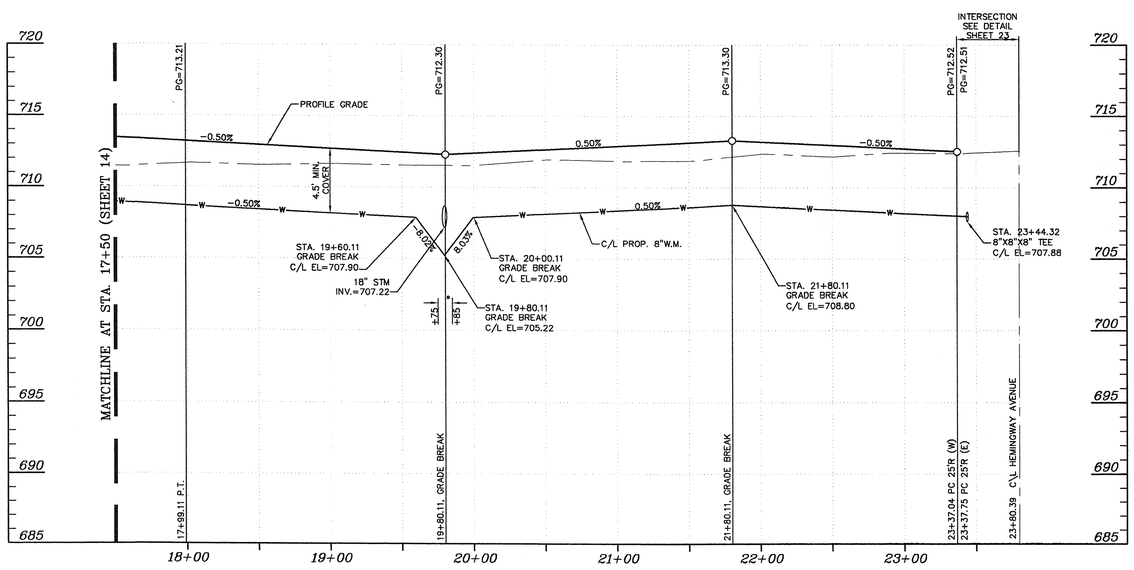
SIDEWALK NOTE:
ALL SIDEWALKS ALONG LONG STREET, STREET EXTENSIONS AND RESERVES ARE TO BE BUILT BY THE DEVELOPER AS SHOWN ON THE PLAN AND PROFILE SHEETS. ALL OTHER SIDEWALKS SHALL BE CONSTRUCTED ON A LOT-BY-LOT SCHEDULE BY THE HOMEBUILDER(S) AS EACH HOUSE IS BUILT.



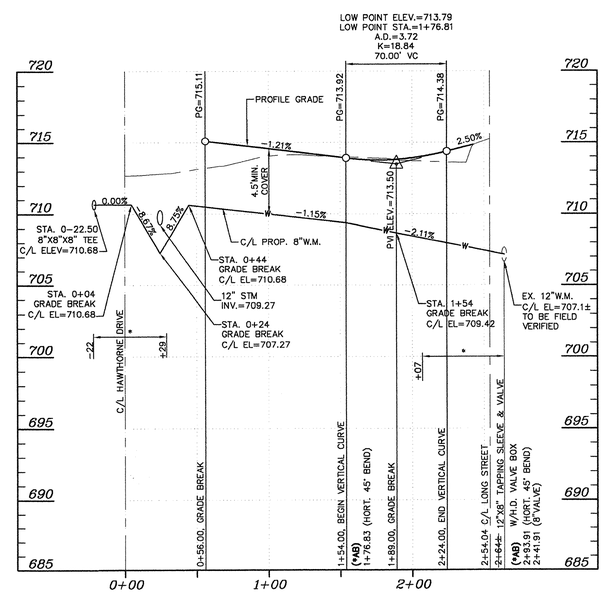
*EXPOSE = CONTRACTOR SHALL EXPOSE AND VERIFY ELEVATION WELL IN ADVANCE OF PIPE LAYING OPERATIONS TO PERMIT GRADE ADJUSTMENT AS NEEDED.

SCALE: HORIZ: 1" = 50'
VERT: 1" = 5'

* = COMPACTED GRANULAR BACKFILL AS PER ITEM 912 WITH 100% MAX. DENSITY AS A MINIMUM.



BURROUGHS DRIVE



WINSTON AVENUE

*AB = AS BUILT SURVEY ~ 11-06

SUB775_015A

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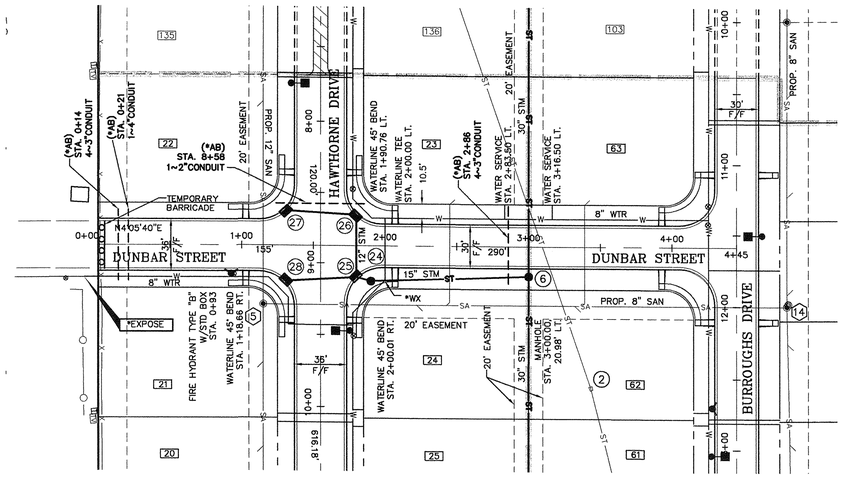
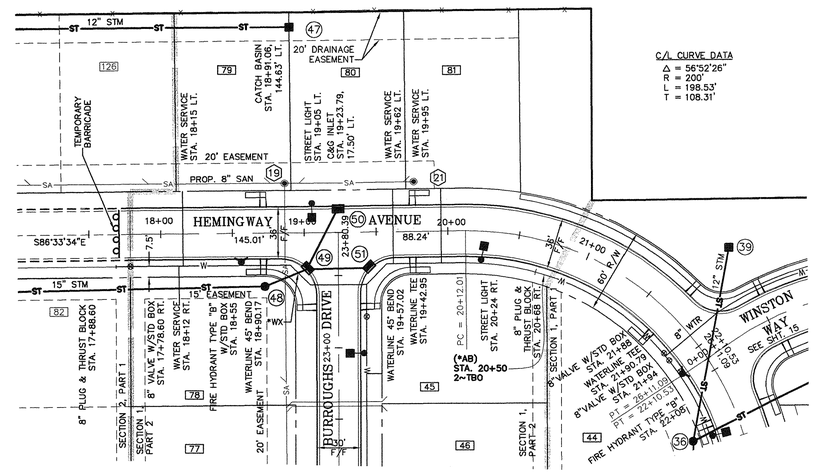
PLAN AND PROFILE
ASHTON CROSSING
SECTION I, PART 1 & PART 2
VILLAGE OF ASHVILLE, OHIO

REVISIONS

JOB NO.	1860
DRAWN BY	MJM
DESIGN BY	JSG
CHECKED BY	CMT

SHEET





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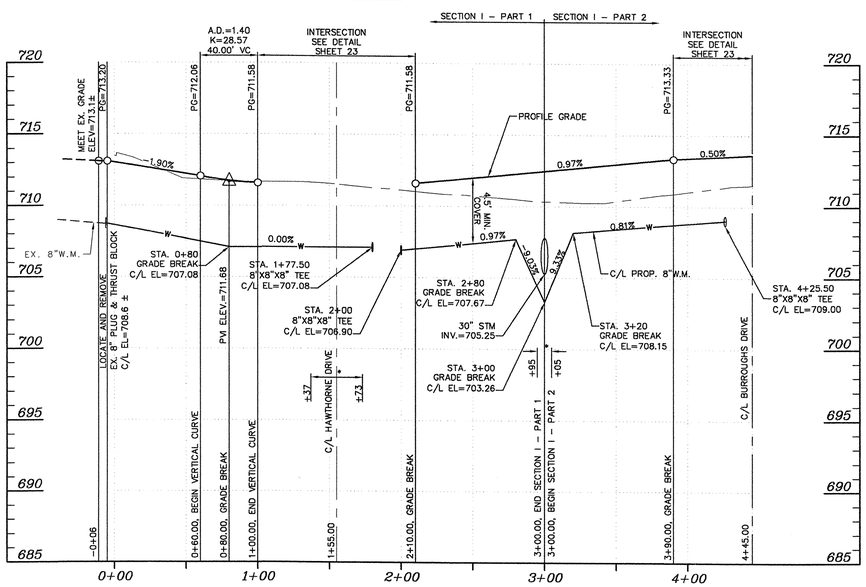
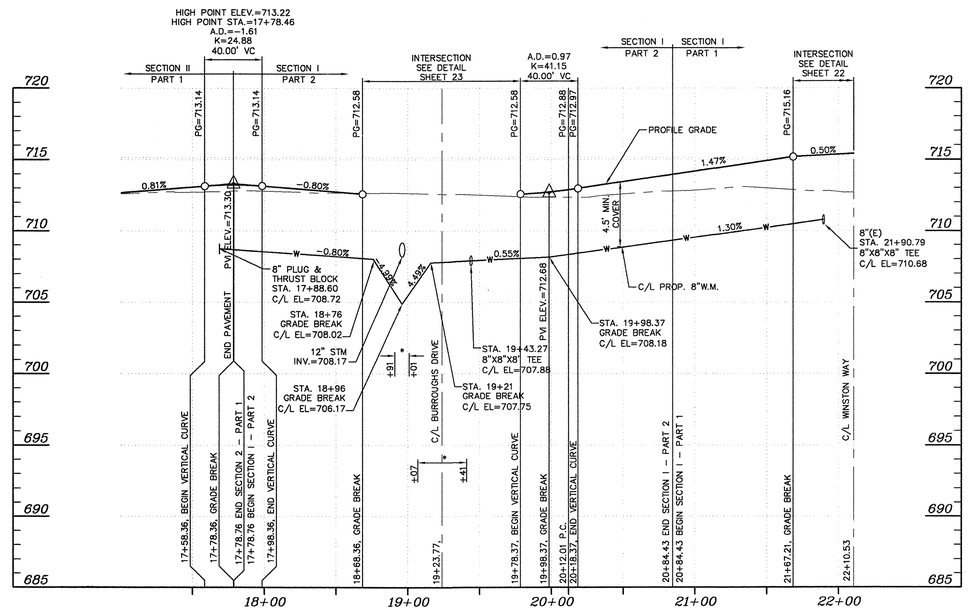
SCALE: HORIZ: 1" = 50'
VERT: 1" = 5'

* = COMPACTED GRANULAR BACKFILL AS PER ITEM 912 WITH 100% MAX. DENSITY AS A MINIMUM.





*AB = AS BUILT SURVEY ~ 11-06

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PLAN AND PROFILE
ASHTON CROSSING
SECTION I, PART 1 & PART 2
VILLAGE OF ASHVILLE, OHIO

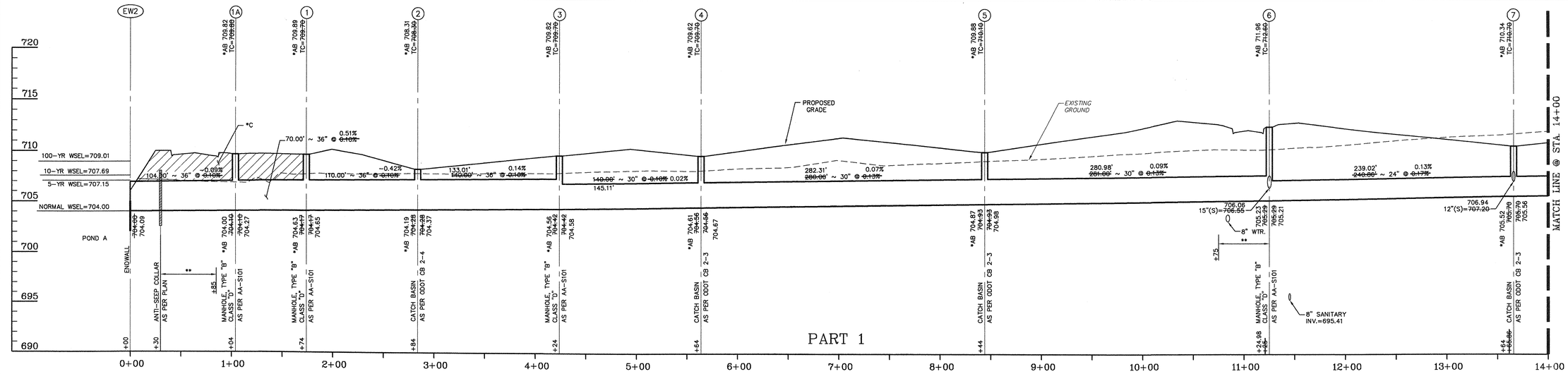
REVISIONS

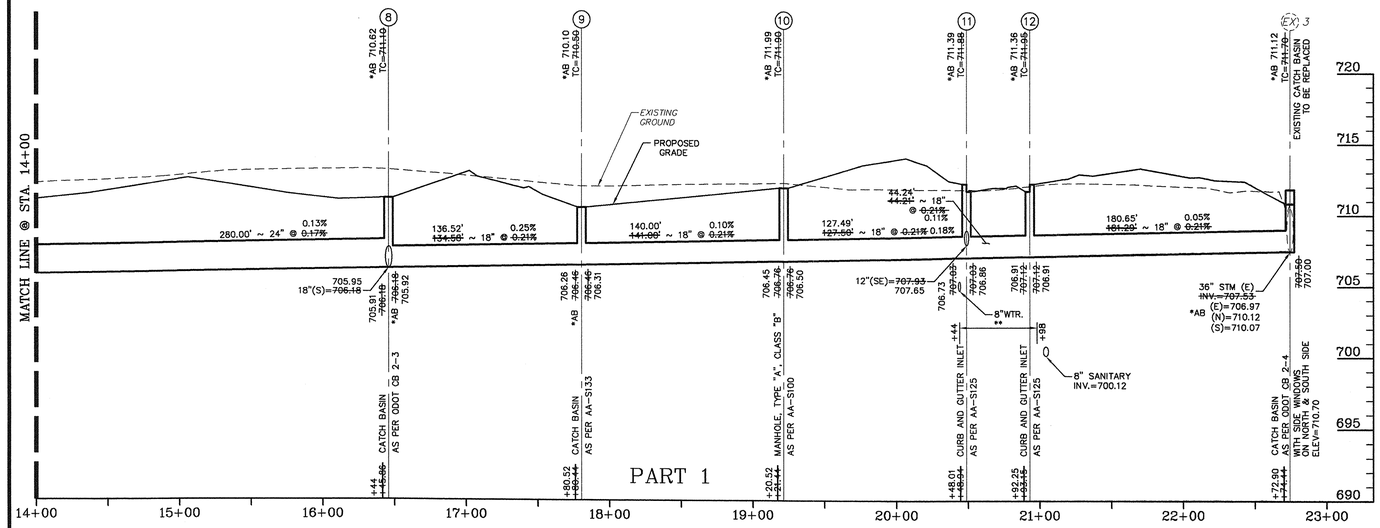
JOB NO.	1860
DRAWN BY	MJM
DESIGN BY	JSG
CHECKED BY	CMT

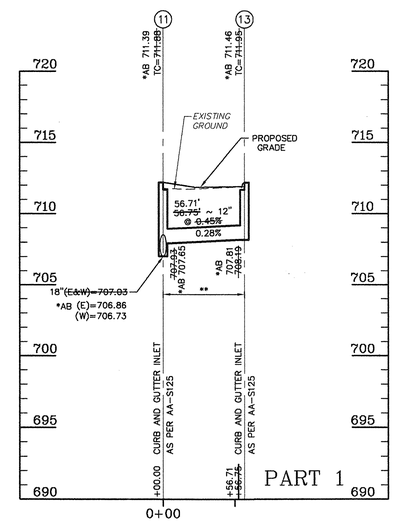
SHEET

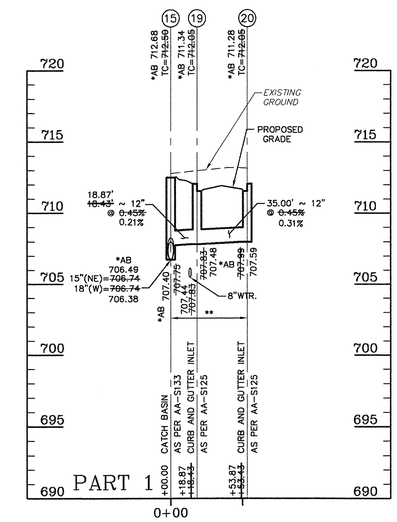
16

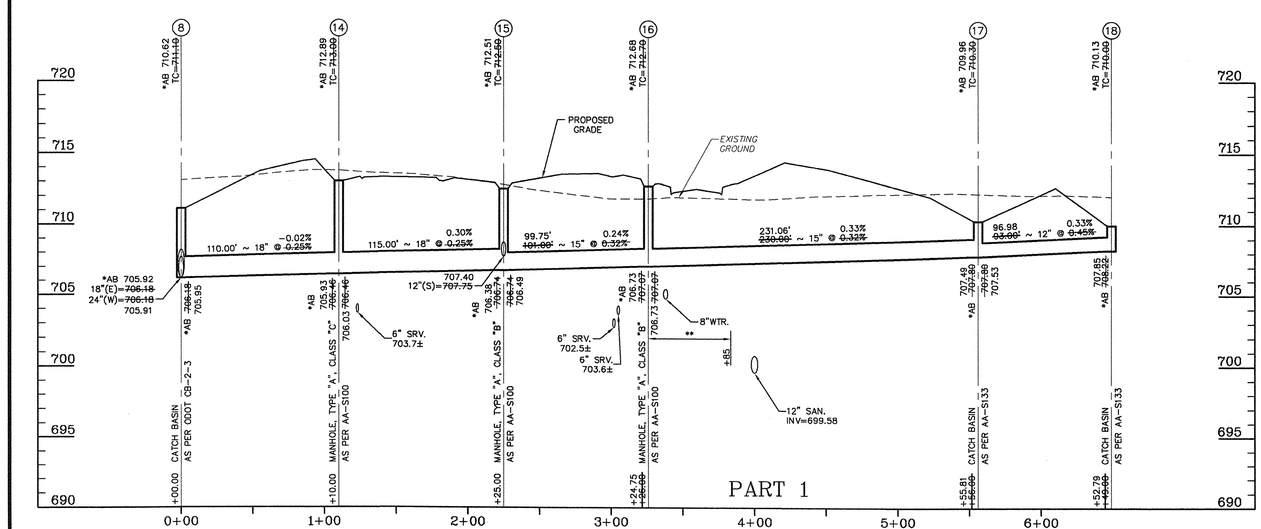
OF 30

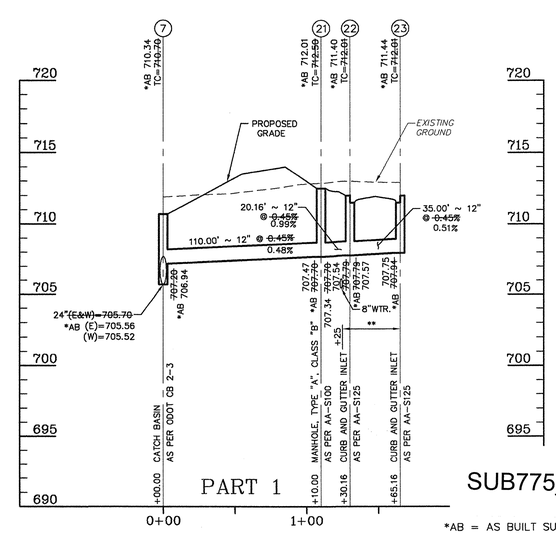


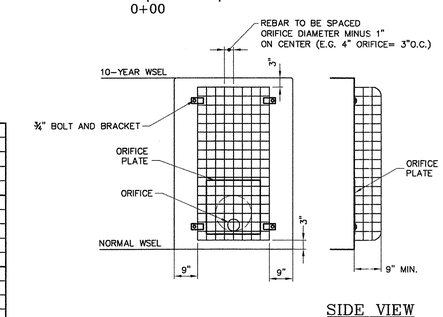












ORIFICE PROTECTION DEVICE
NOT TO SCALE

TC = TOP OF CASTING

SCALE: HORIZ: 1" = 50' VERT: 1" = 5'

** = COMPACTED GRANULAR BACKFILL AS PER ITEM 912 WITH 100% MAX. DENSITY AS A MINIMUM.

*** = CONCRETE ENCASEMENT

*C = COMPACTED BACKFILL TO BE PLACED PRIOR TO STORM SEWER CONSTRUCTION AS PER 901.04. COMPACTION SHALL BE TESTED BY AN APPROVED GEOTECHNICAL ENGINEER.

ALL STORM SEWER SHALL HAVE COMPACTED BACKFILL AS PER ITEM 911 UNLESS OTHERWISE NOTED.

ALL STORM SEWER SHALL HAVE WATERTIGHT JOINTS.

SUB775_017A

*AB = AS BUILT SURVEY ~ 11-06

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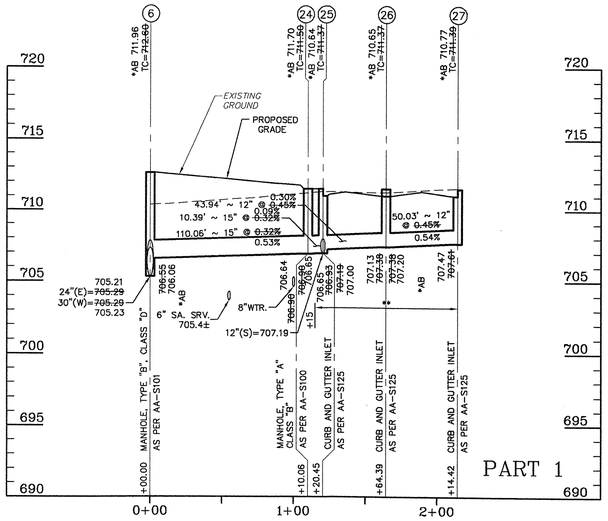
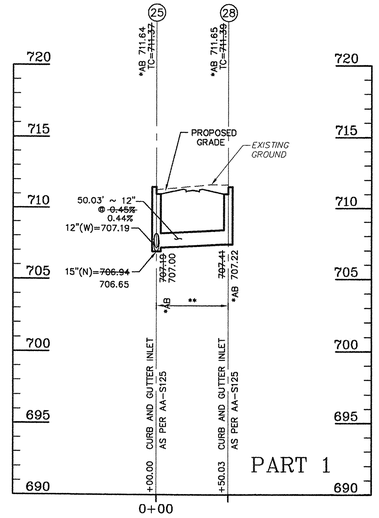
STORM SEWER PROFILES
ASHTON CROSSING
SECTION I, PART 1 & PART 2
VILLAGE OF ASHVILLE, OHIO

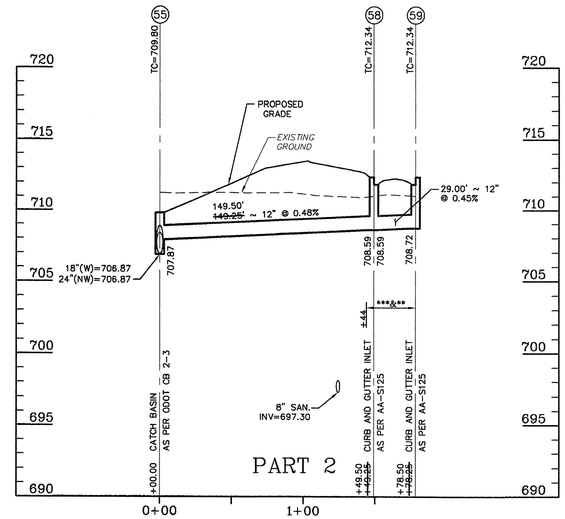
REVISIONS

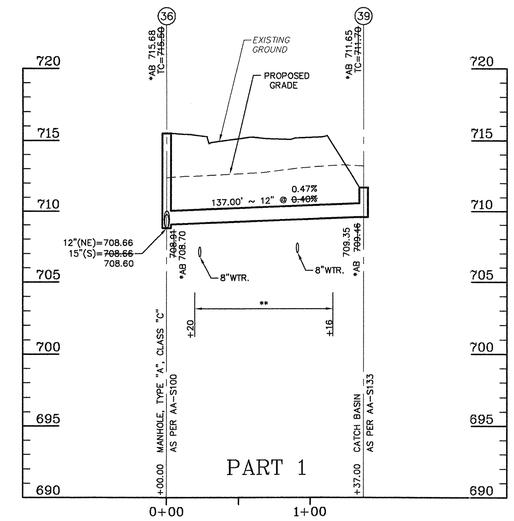
JOB NO.	1860
DRAWN BY	MJM
DESIGN BY	JSG
CHECKED BY	CMT

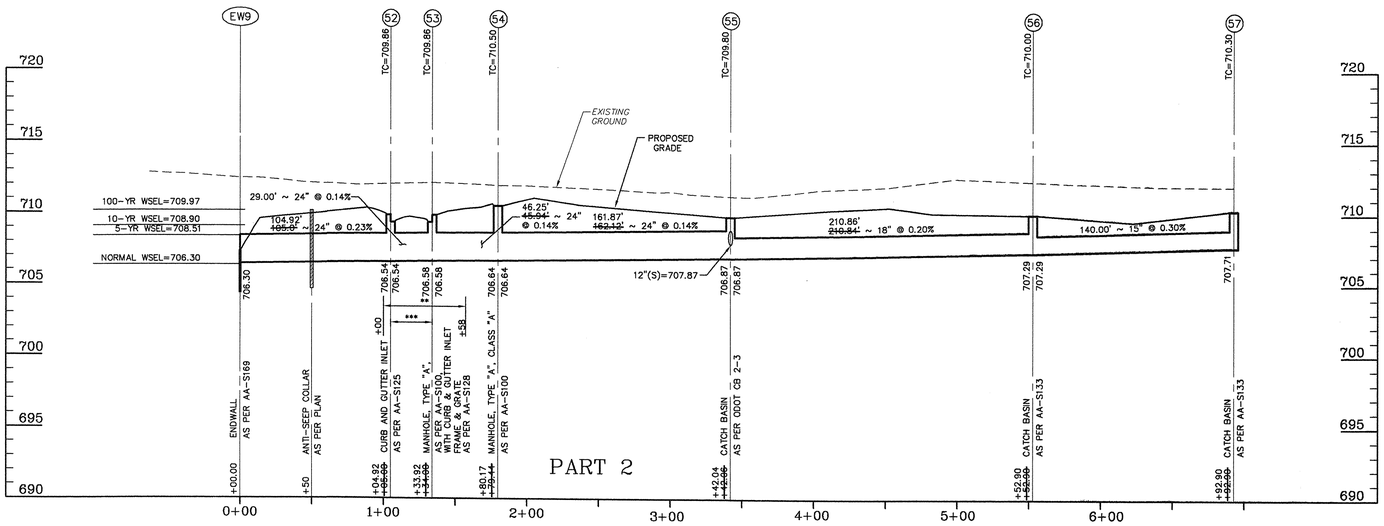
SHEET 17 OF 30

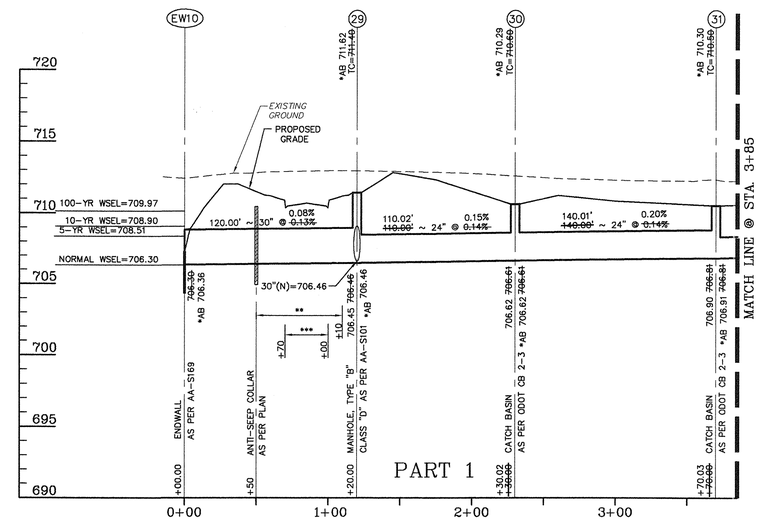


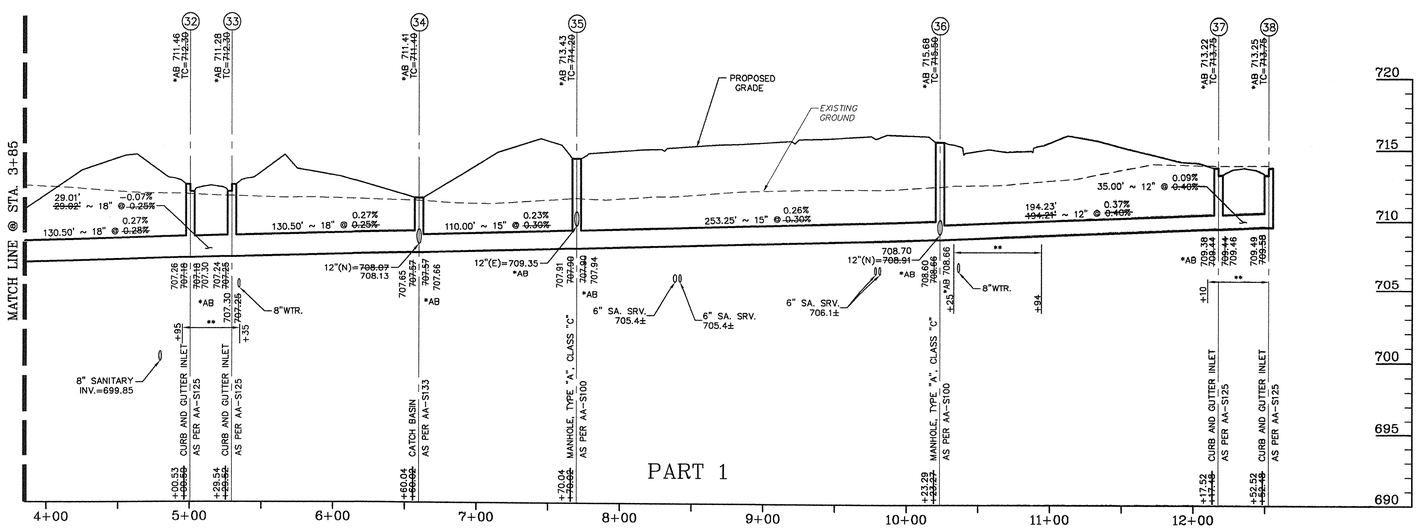


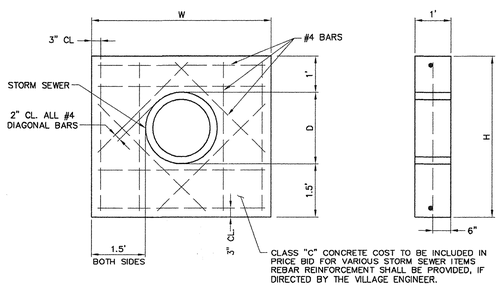












ANTI-SEEP COLLAR DETAIL

SCALE: 1" = 2'

TC = TOP OF CASTING

SCALE: HORIZ: 1" = 50'
VERT: 1" = 5'

** = COMPACTED GRANULAR BACKFILL AS PER ITEM 912 WITH 100% MAX. DENSITY AS A MINIMUM.

*** = CONCRETE ENCASEMENT

ALL STORM SEWER SHALL HAVE COMPACTED BACKFILL AS PER ITEM 911 UNLESS OTHERWISE NOTED.

ALL STORM SEWER SHALL HAVE WATERTIGHT JOINTS.

SUB775_018A

*AB= AS BUILT SURVEY

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STORM SEWER PROFILES
ASHTON CROSSING
SECTION I, PART 1 & PART 2
VILLAGE OF ASHVILLE, OHIO

REVISIONS

JOB NO.	1860
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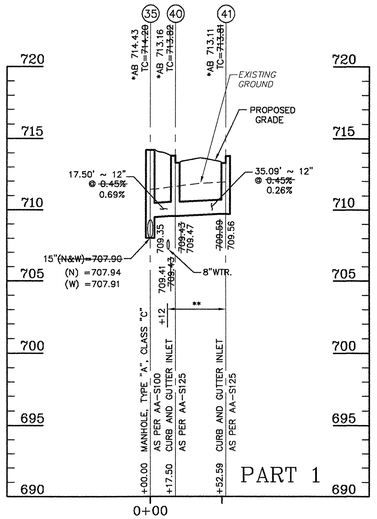
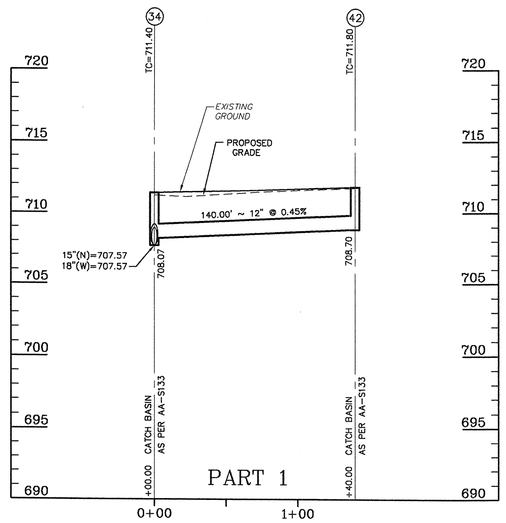
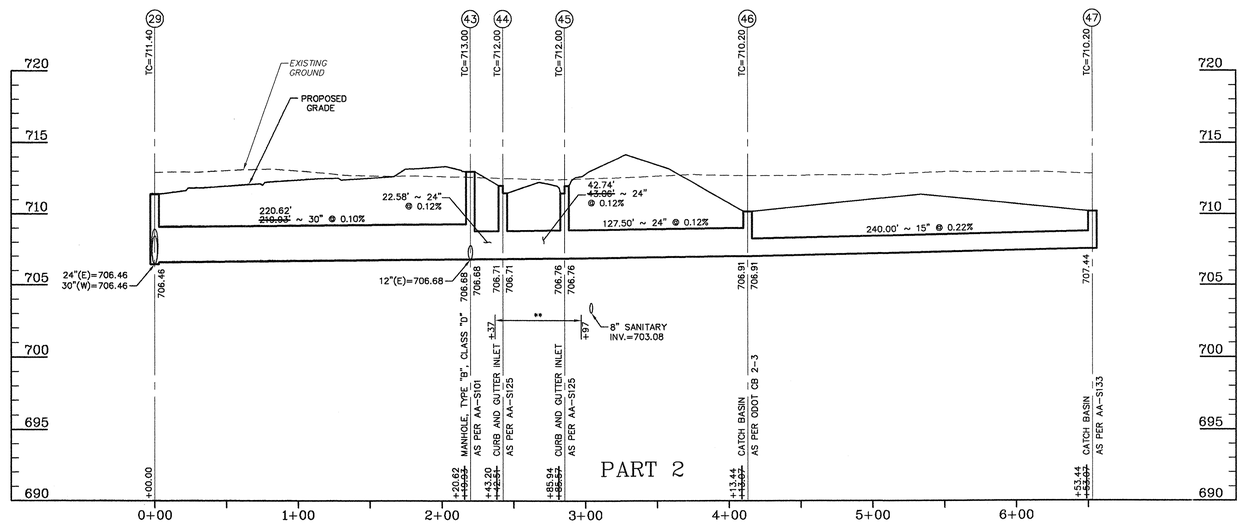
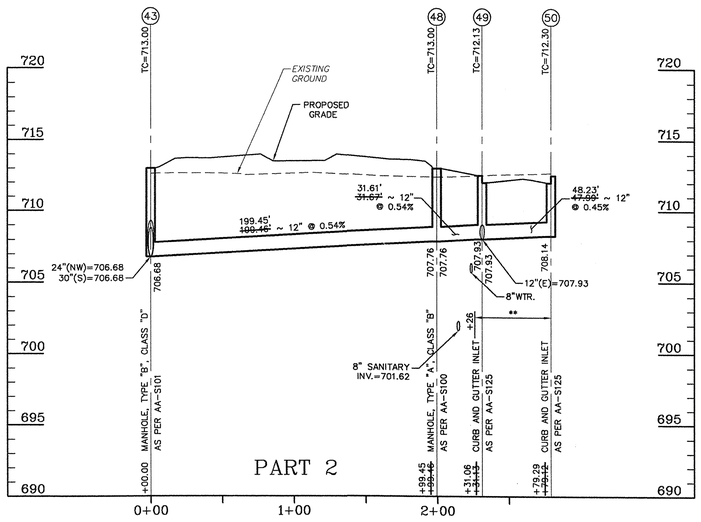
CHECKED BY	CMT

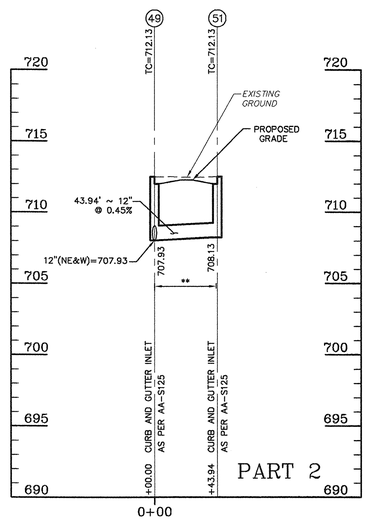
SHEET

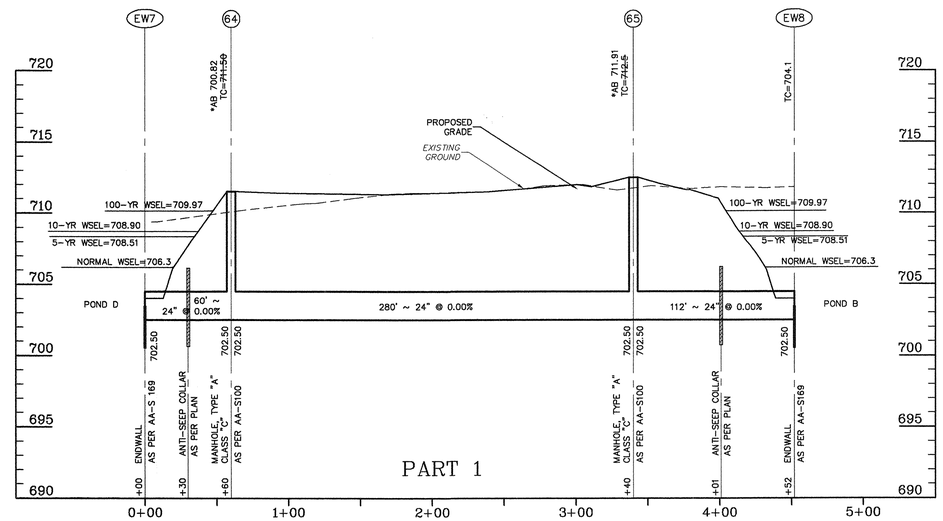


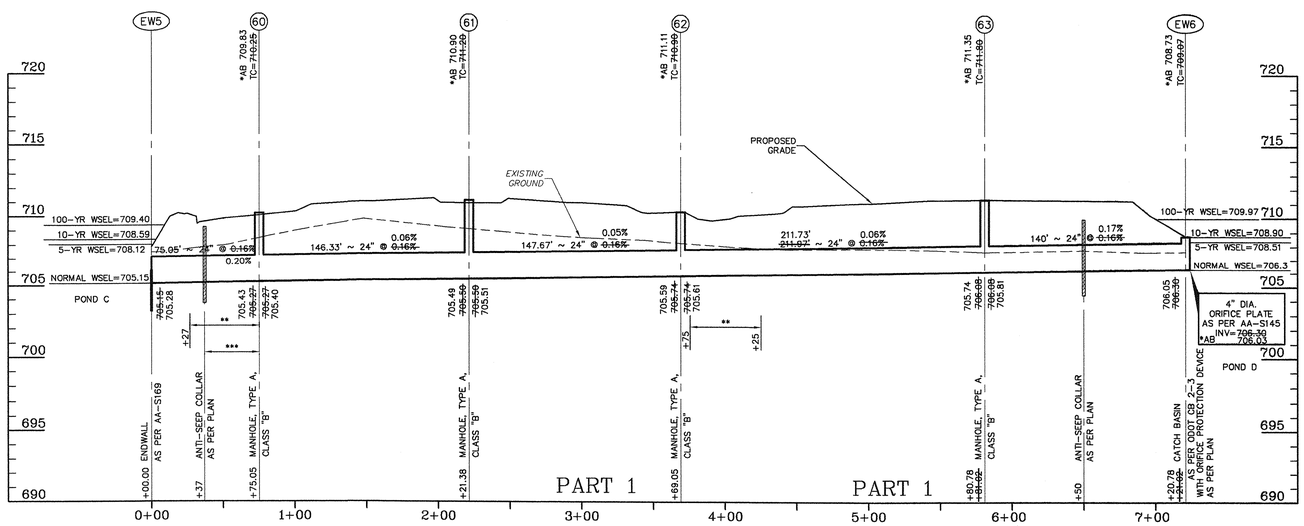


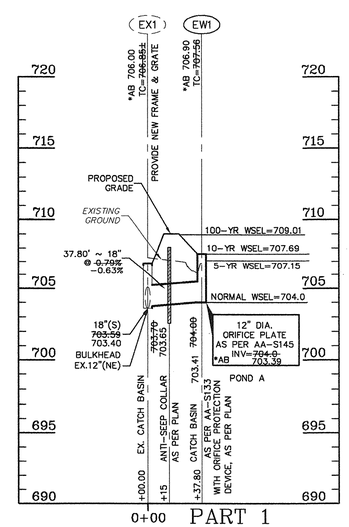


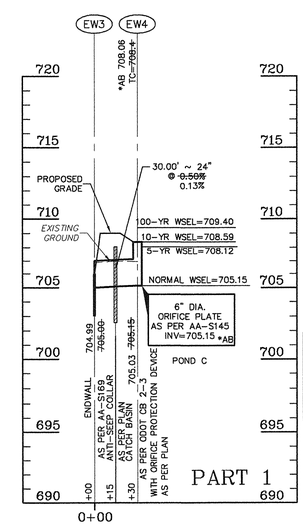












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SUB775_019A

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STORM SEWER PROFILES
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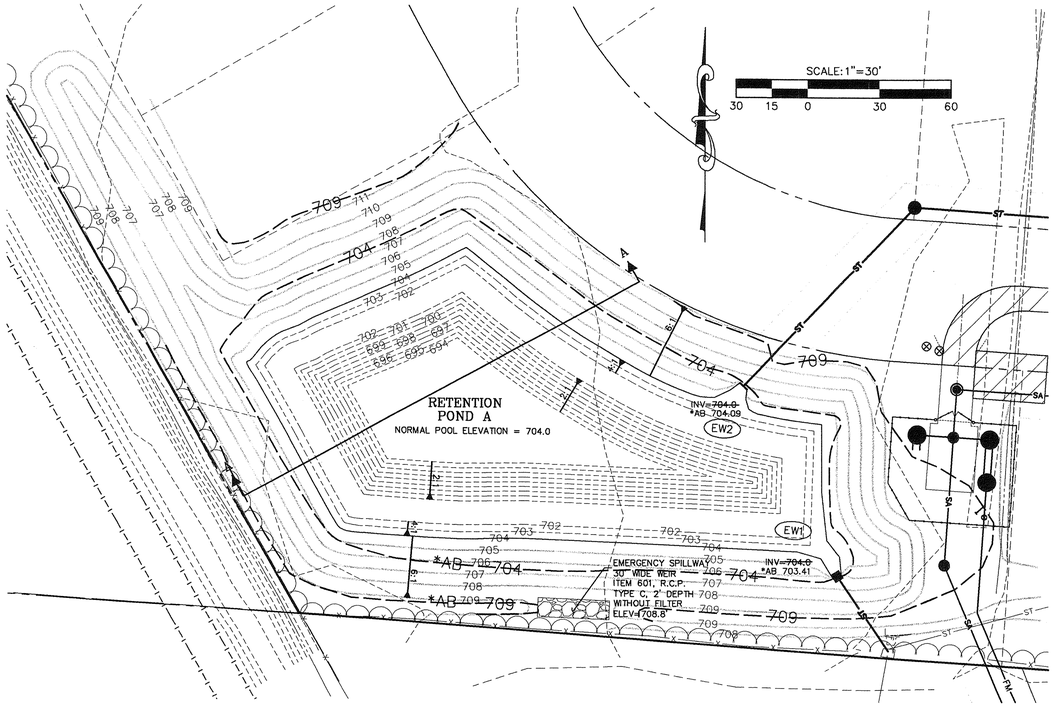
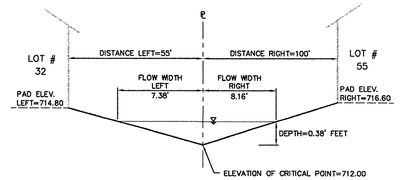
REVISIONS

JOB NO.	1860
DRAWN BY	MJM
DESIGN BY	JSG
CHECKED BY	CMT

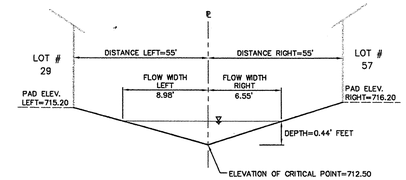
SHEET 19 OF 30



POND A DETAIL
SCALE: 1"=30'

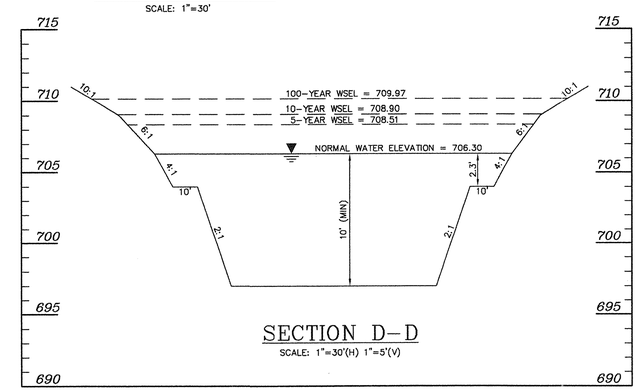


FLOOD ROUTING SECTION "C-C"
NO SCALE
(VIEW LOOKING DOWNSTREAM)

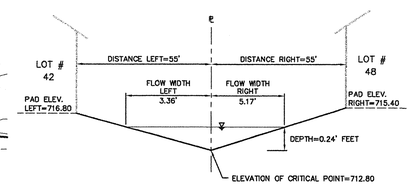


FLOOD ROUTING SECTION "D-D"
NO SCALE
(VIEW LOOKING DOWNSTREAM)

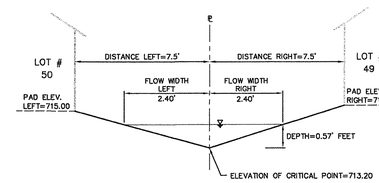
POND D DETAIL
SCALE: 1"=30'



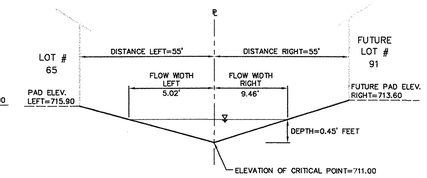
SECTION D-D
SCALE: 1"=30'(H) 1"=5'(V)



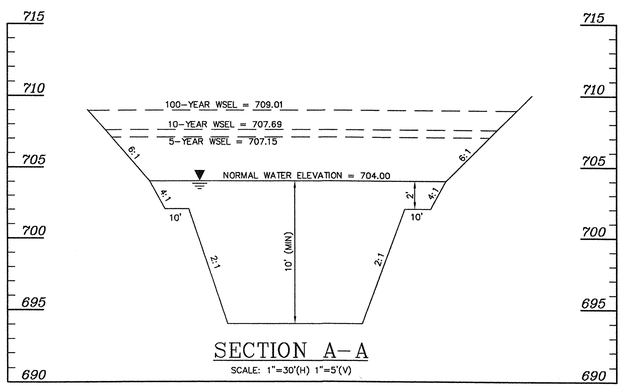
FLOOD ROUTING SECTION "A-A"
NO SCALE
(VIEW LOOKING DOWNSTREAM)



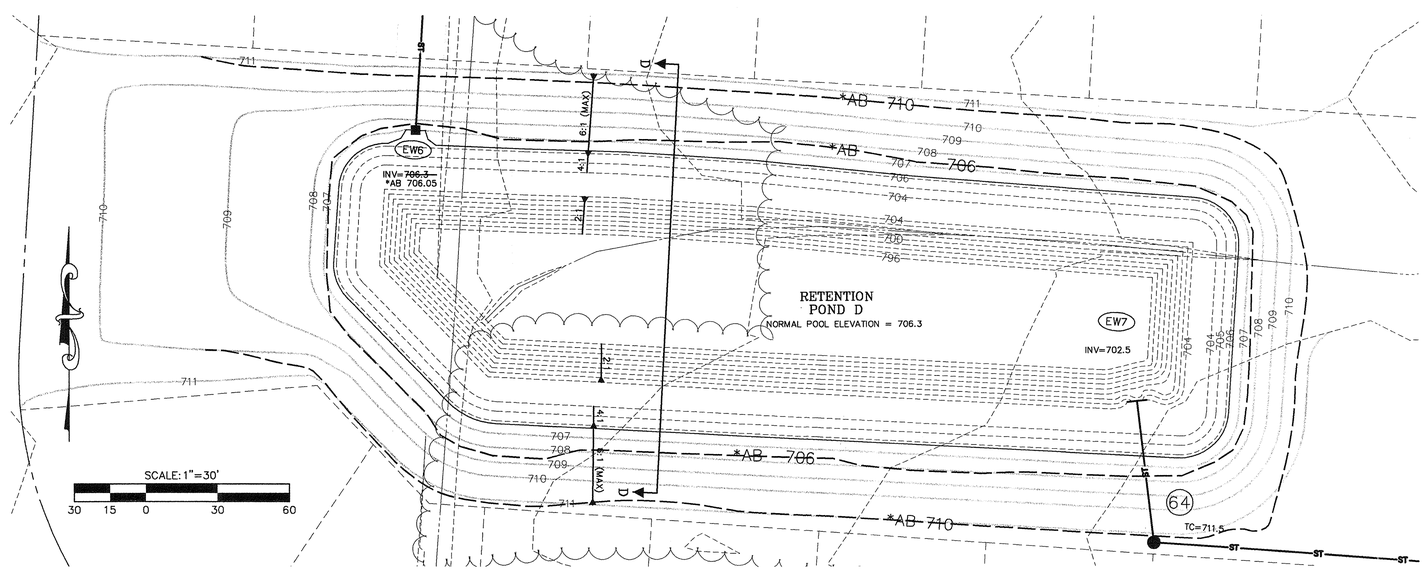
FLOOD ROUTING SECTION "B-B"
NO SCALE
(VIEW LOOKING DOWNSTREAM)

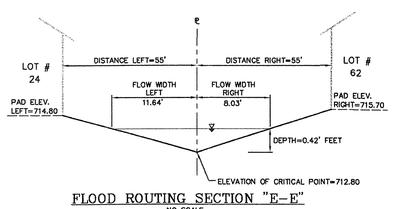


FLOOD ROUTING SECTION "J-J"
NO SCALE
(VIEW LOOKING DOWNSTREAM)

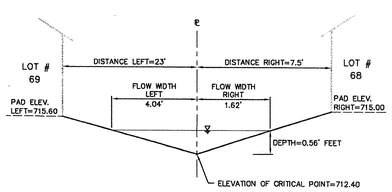


SECTION A-A
SCALE: 1"=30'(H) 1"=5'(V)

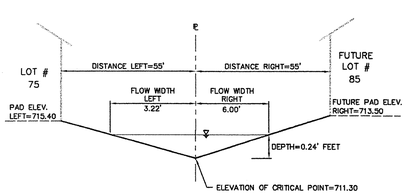




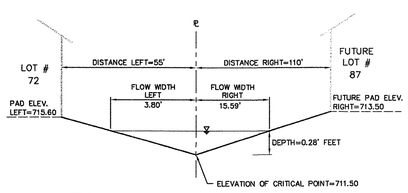
FLOOD ROUTING SECTION "E-E"
NO SCALE
(VIEW LOOKING DOWNSTREAM)



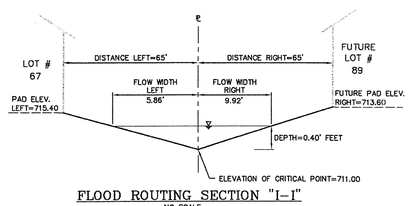
FLOOD ROUTING SECTION "F-F"
NO SCALE
(VIEW LOOKING DOWNSTREAM)



FLOOD ROUTING SECTION "G-G"
NO SCALE
(VIEW LOOKING DOWNSTREAM)



FLOOD ROUTING SECTION "H-H"
NO SCALE
(VIEW LOOKING DOWNSTREAM)



FLOOD ROUTING SECTION "I-I"
NO SCALE
(VIEW LOOKING DOWNSTREAM)

SUB775_020A

*AB= AS BUILT SURVEY ~ 11-06

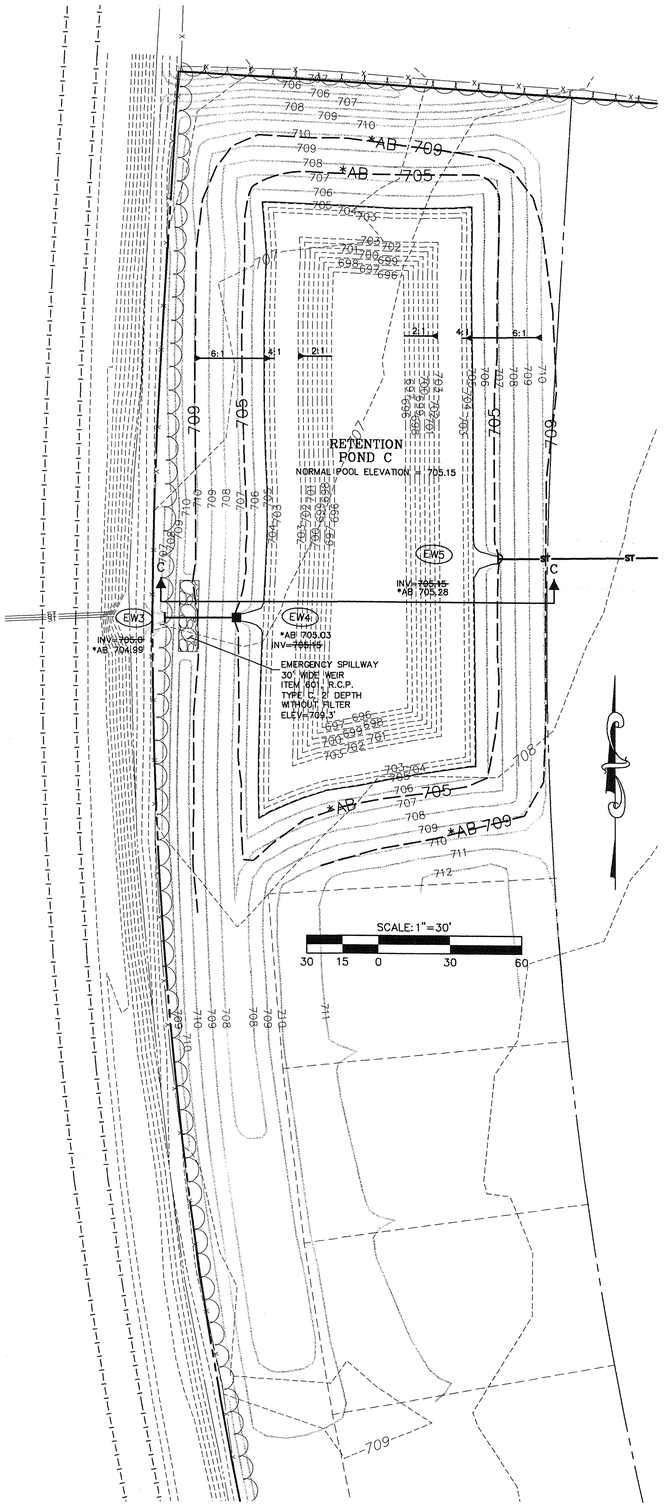
Pomeroy & Associates, Ltd.
Consulting Engineers & Surveyors
599 Scherers Court • Worthington, Ohio 43085
Phone (614)885-2498 • Fax (614)885-2886

POND DETAIL
ASHTON CROSSING
SECTION I, PART 1 & PART 2
VILLAGE OF ASHVILLE, OHIO

REVISIONS

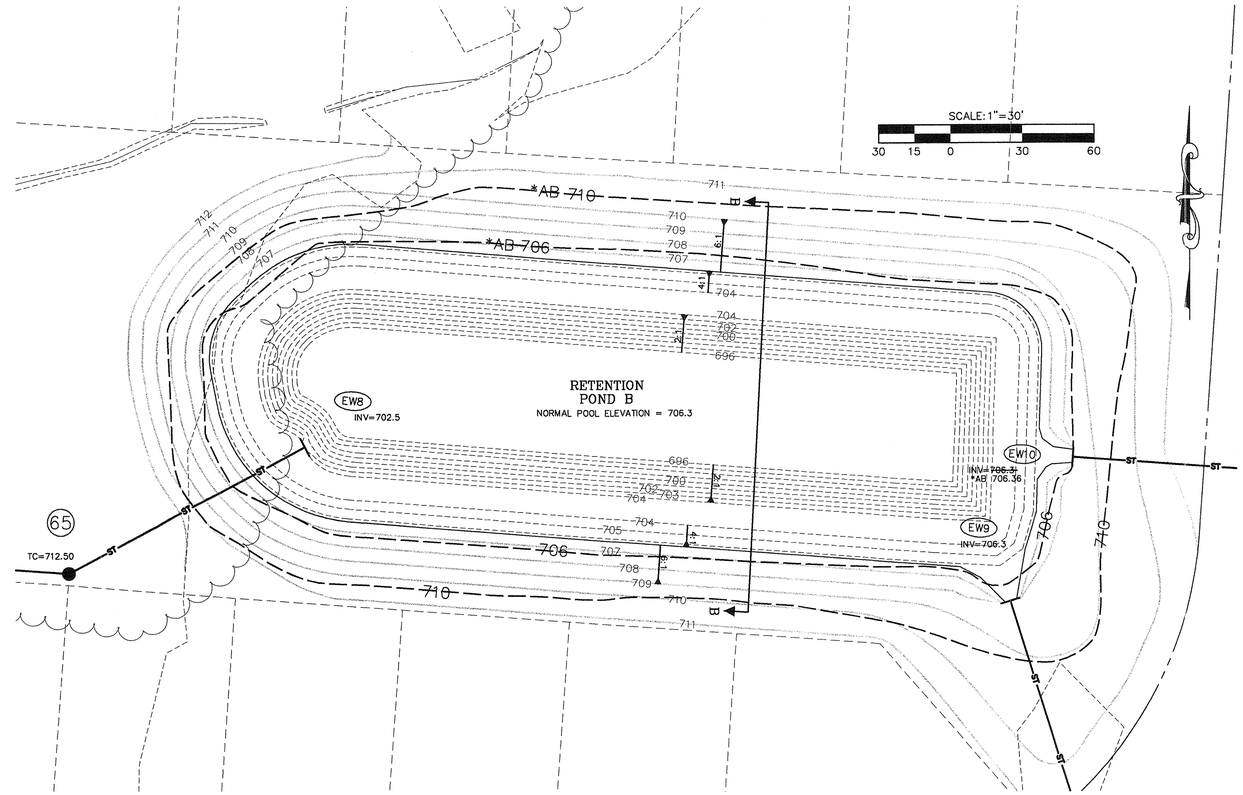
JOB NO.	1860
DRAWN BY	MJM
DESIGN BY	JSG
CHECKED BY	CMT

SHEET



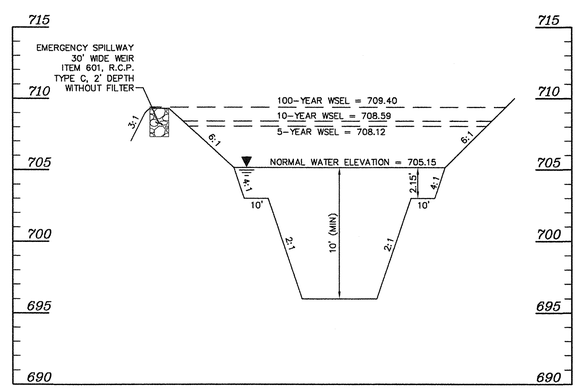
POND C DETAIL

SCALE: 1"=30'



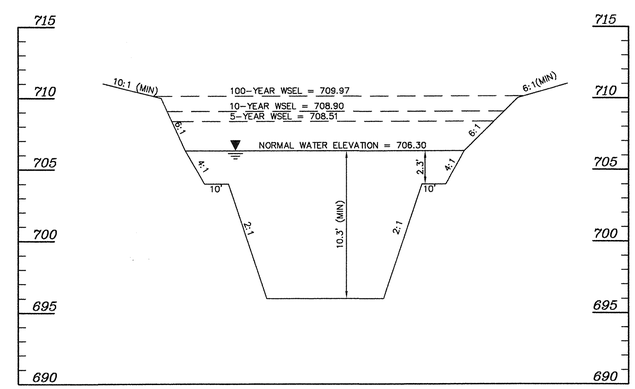
POND B DETAIL

SCALE: 1"=30'



SECTION C-C

SCALE: 1"=30'(H) 1"=5'(V)



SECTION B-B

SCALE: 1"=30'(H) 1"=5'(V)

SUB775_021A

*AB= AS BUILT SURVEY ~ 11-06

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SECTION I, PART 1 & PART 2
VILLAGE OF ASHVILLE, OHIO

REVISIONS

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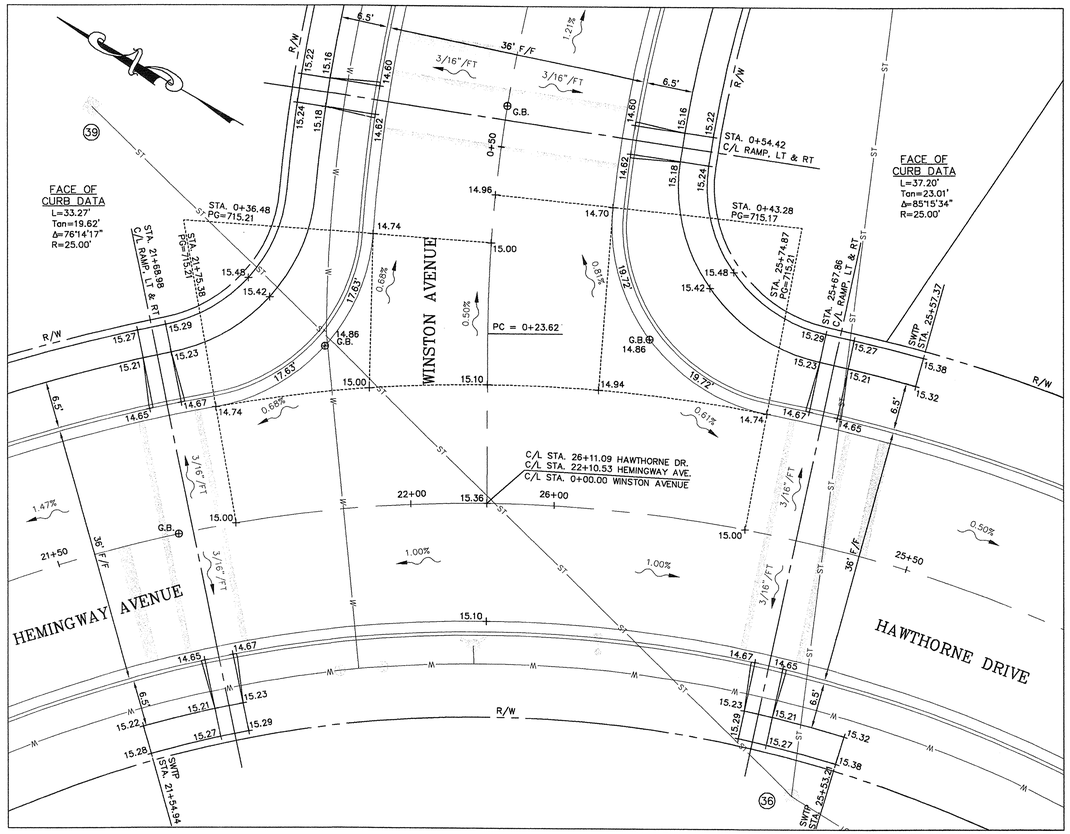
DESIGN BY	JSG
CHECKED BY	CMT

SHEET

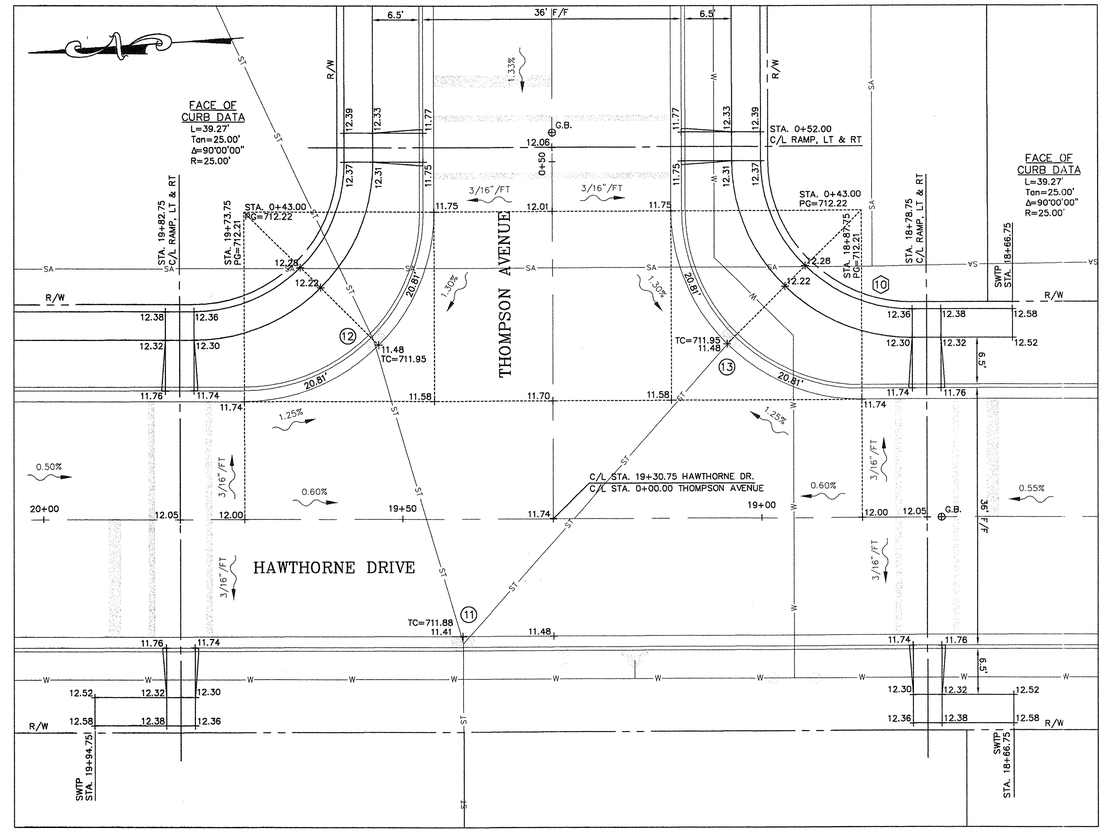
21

OF 30



INTERSECTION DETAIL OF WINSTON AVENUE, HEMINGWAY AVENUE AND HAWTHORNE DRIVE

SCALE: 1" = 10'

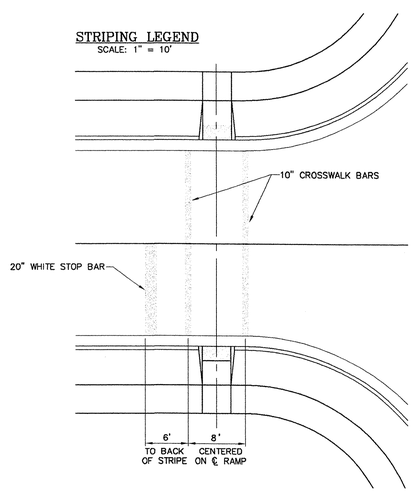


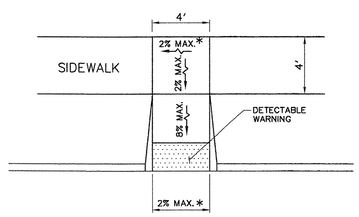
INTERSECTION DETAIL OF HAWTHORNE DRIVE AND THOMPSON AVENUE

SCALE: 1" = 10'

STRIPING LEGEND

SCALE: 1" = 10'

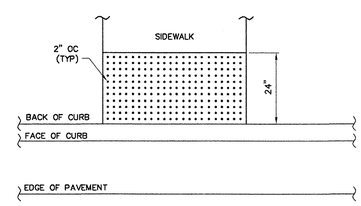




GRADING LEGEND

SCALE: 1" = 5'

* IN ALL DIRECTIONS



DETECTABLE WARNING

SCALE: 1" = 2'

NOTES:

SIDEWALK & CURB RAMPS TO BE INSTALLED AT ALL INTERSECTIONS ACCORDING TO ADA REQUIREMENTS WITH THE CONSTRUCTION OF CURBS AND STREETS. SEE STANDARD DRAWING #2319 DR. A AND SUPPLEMENTAL SPECIFICATION 1551.

ALL ELEVATIONS SHOWN ARE TOP OF FINISHED PAVEMENT GRADE UNLESS OTHERWISE NOTED.

SWTP= SIDEWALK TRANSITION POINT
PG= PROFILE GRADE, TOP OF CURB= TC
G.B.= GRADE BREAK
V.C.= VERTICAL CURVE
= PROPOSED LIGHT POLE

SUB775_022A

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INTERSECTION DETAIL
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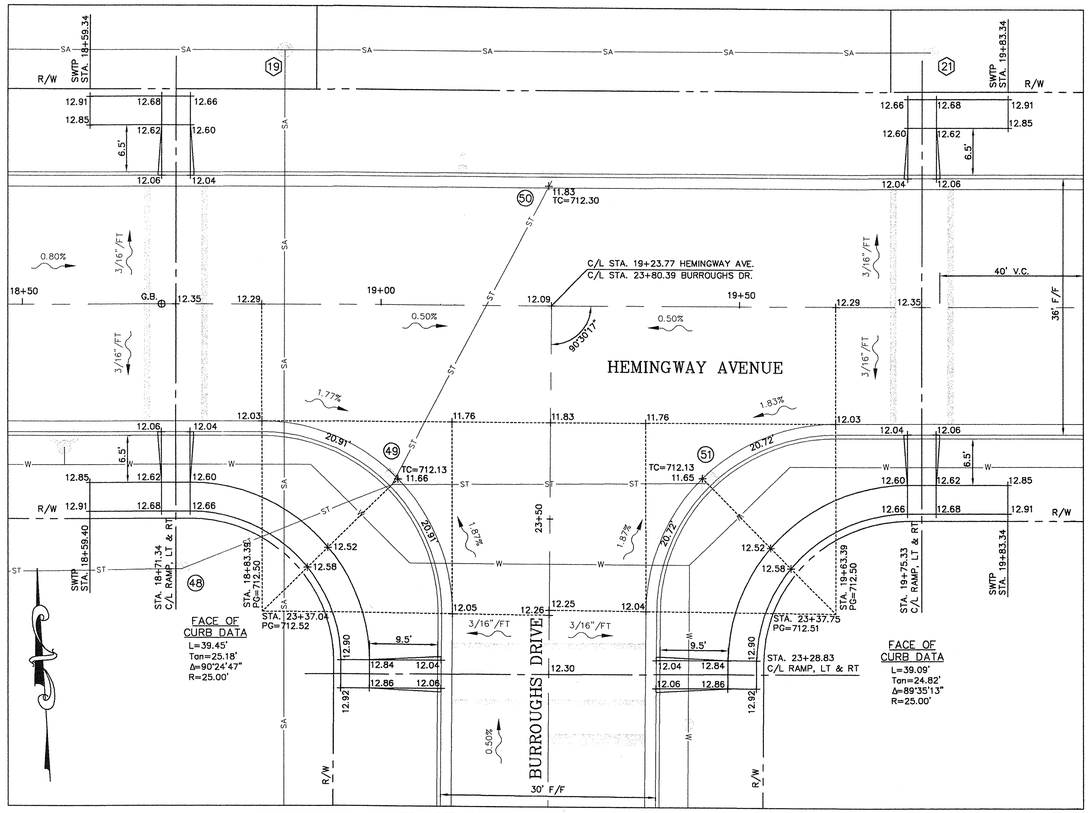
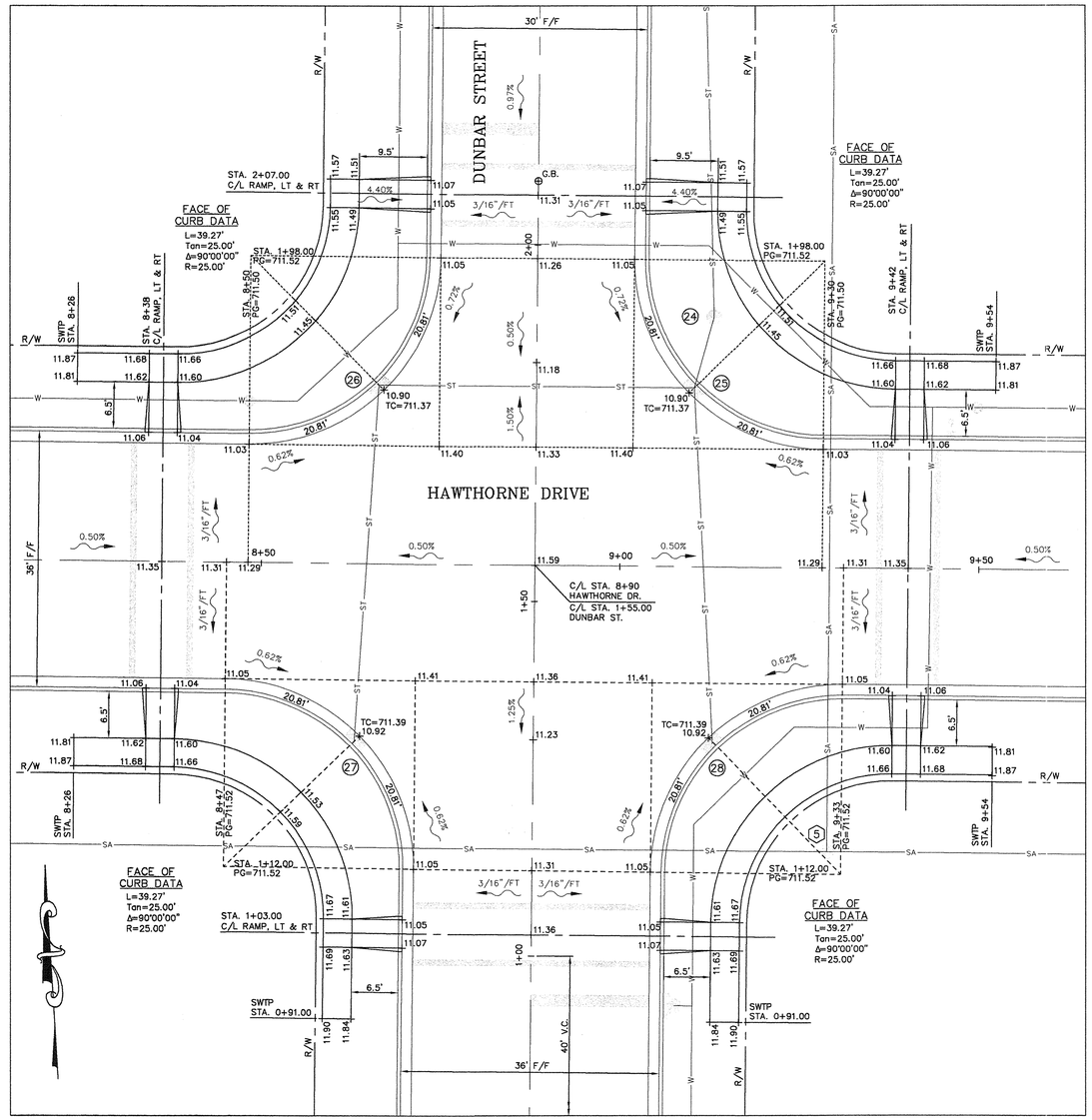


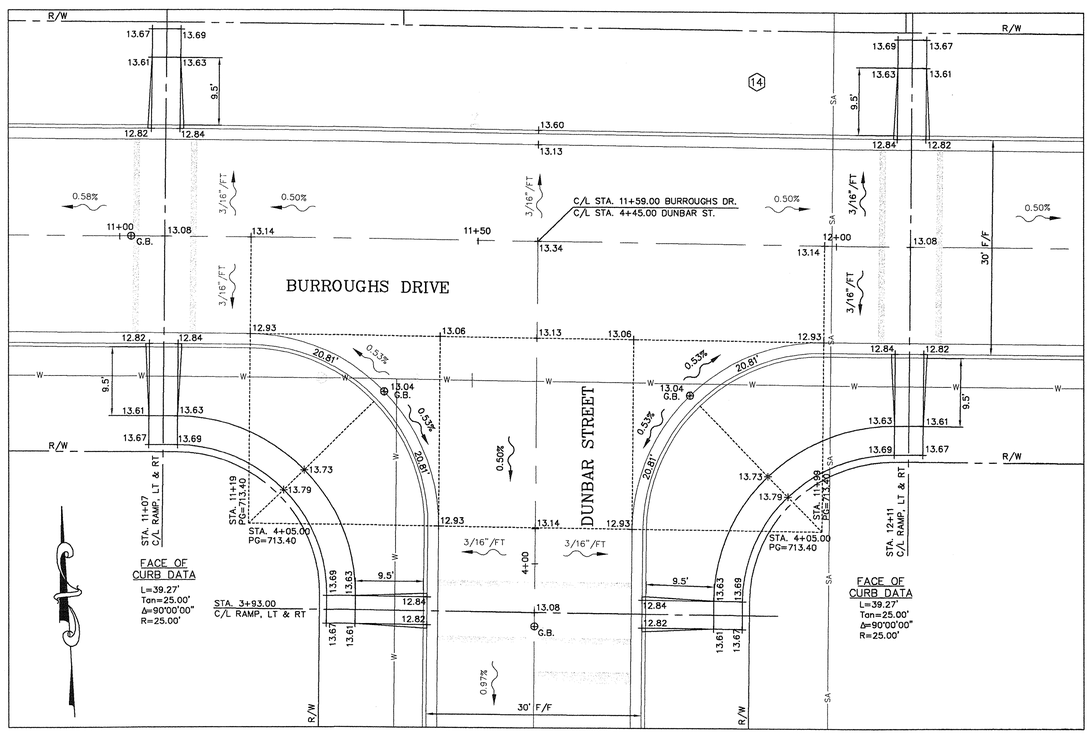
BURROUGHS DRIVE AND HEMINGWAY AVENUE INTERSECTION DETAIL

SCALE: 1" = 10'



HAWTHORNE DRIVE AND DUNBAR STREET INTERSECTION DETAIL

SCALE: 1" = 10'



DUNBAR STREET AND BURROUGHS DRIVE INTERSECTION DETAIL

SCALE: 1" = 10'

NOTES:

SIDEWALK & CURB RAMPS TO BE INSTALLED AT ALL INTERSECTIONS ACCORDING TO ADA REQUIREMENTS WITH THE CONSTRUCTION OF CURBS AND STREETS. SEE STANDARD DRAWING #2319 DR. A AND SUPPLEMENTAL SPECIFICATION 1551.

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SUB775_023A

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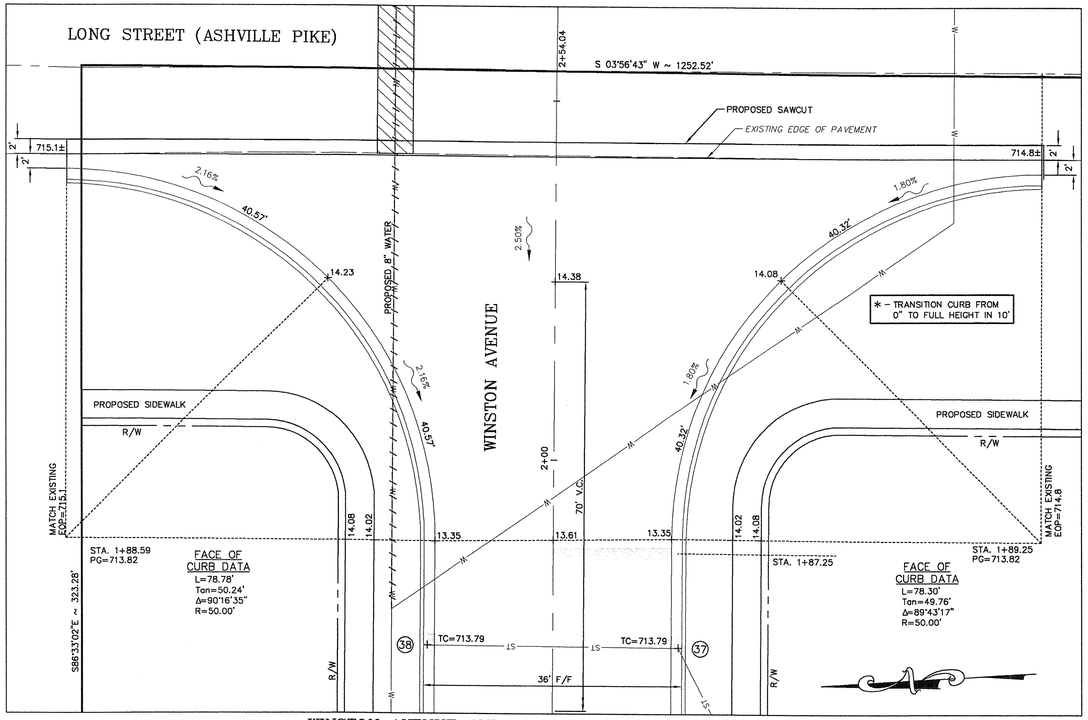
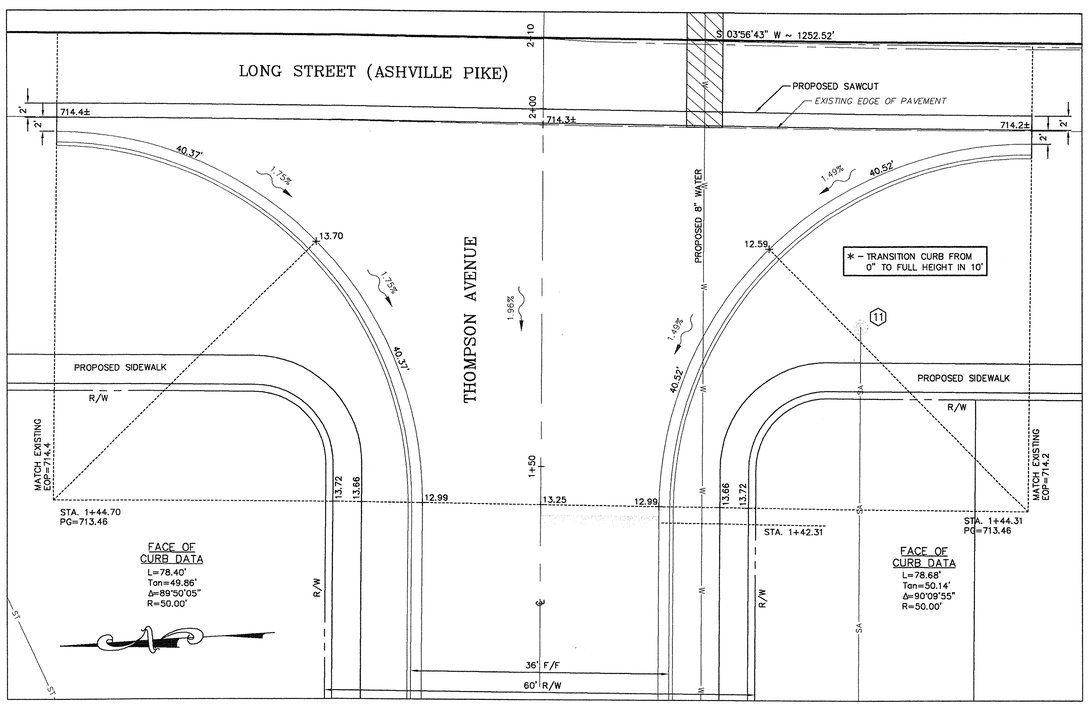


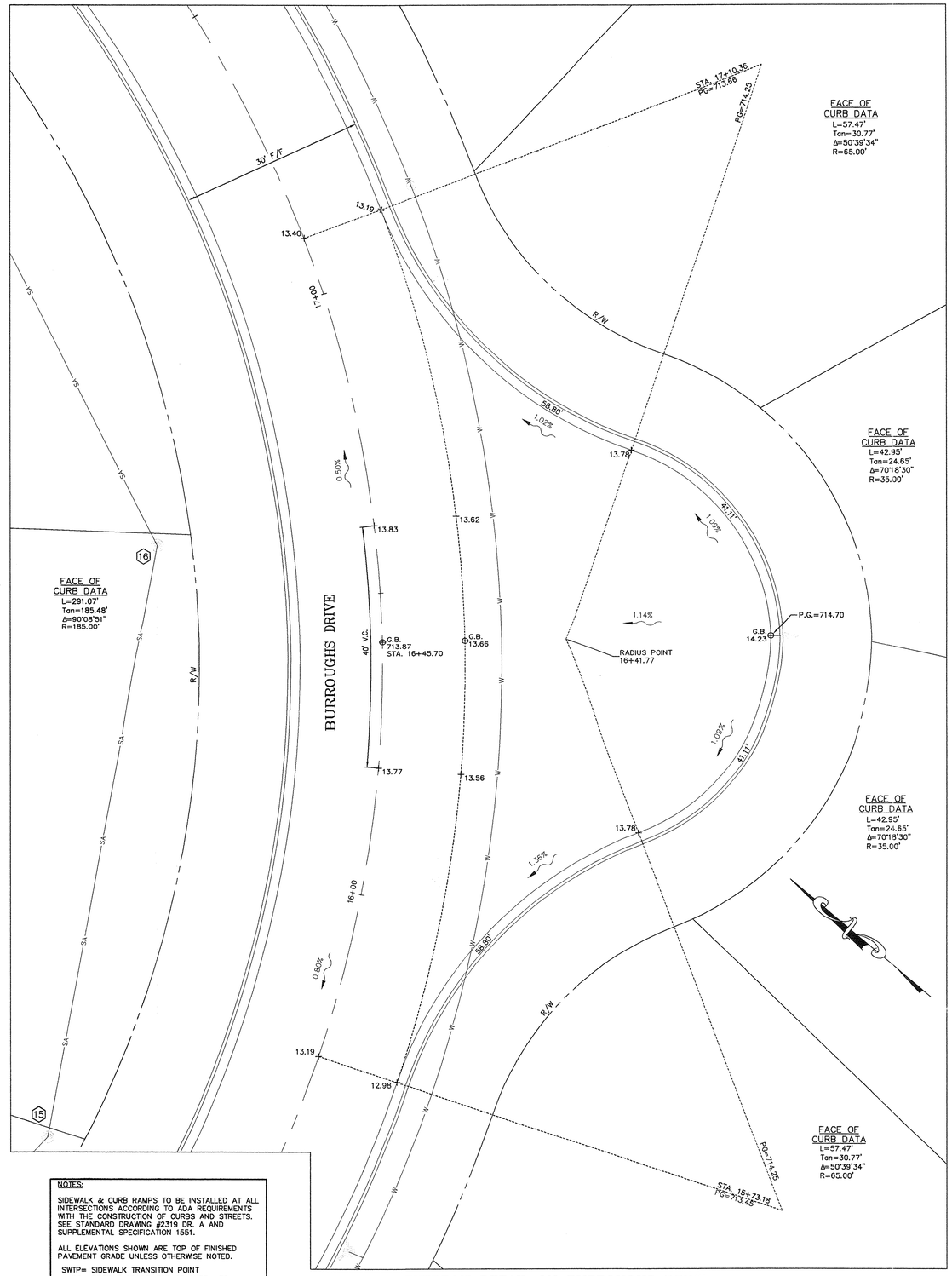
WINSTON AVENUE AND LONG STREET INTERSECTION DETAIL

SCALE: 1" = 10'



THOMPSON AVENUE AND LONG STREET INTERSECTION DETAIL

SCALE: 1" = 10'



EYEBROW DETAIL ON BURROUGHS DRIVE

SCALE: 1" = 10'

NOTES:

SIDEWALK & CURB RAMPS TO BE INSTALLED AT ALL INTERSECTIONS ACCORDING TO ADA REQUIREMENTS WITH THE CONSTRUCTION OF CURBS AND STREETS. SEE STANDARD DRAWING #2319 DR. A AND SUPPLEMENTAL SPECIFICATION 1551.

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G.B.= GRADE BREAK
V.C.= VERTICAL CURVE
= PROPOSED LIGHT POLE

SUB775_024A

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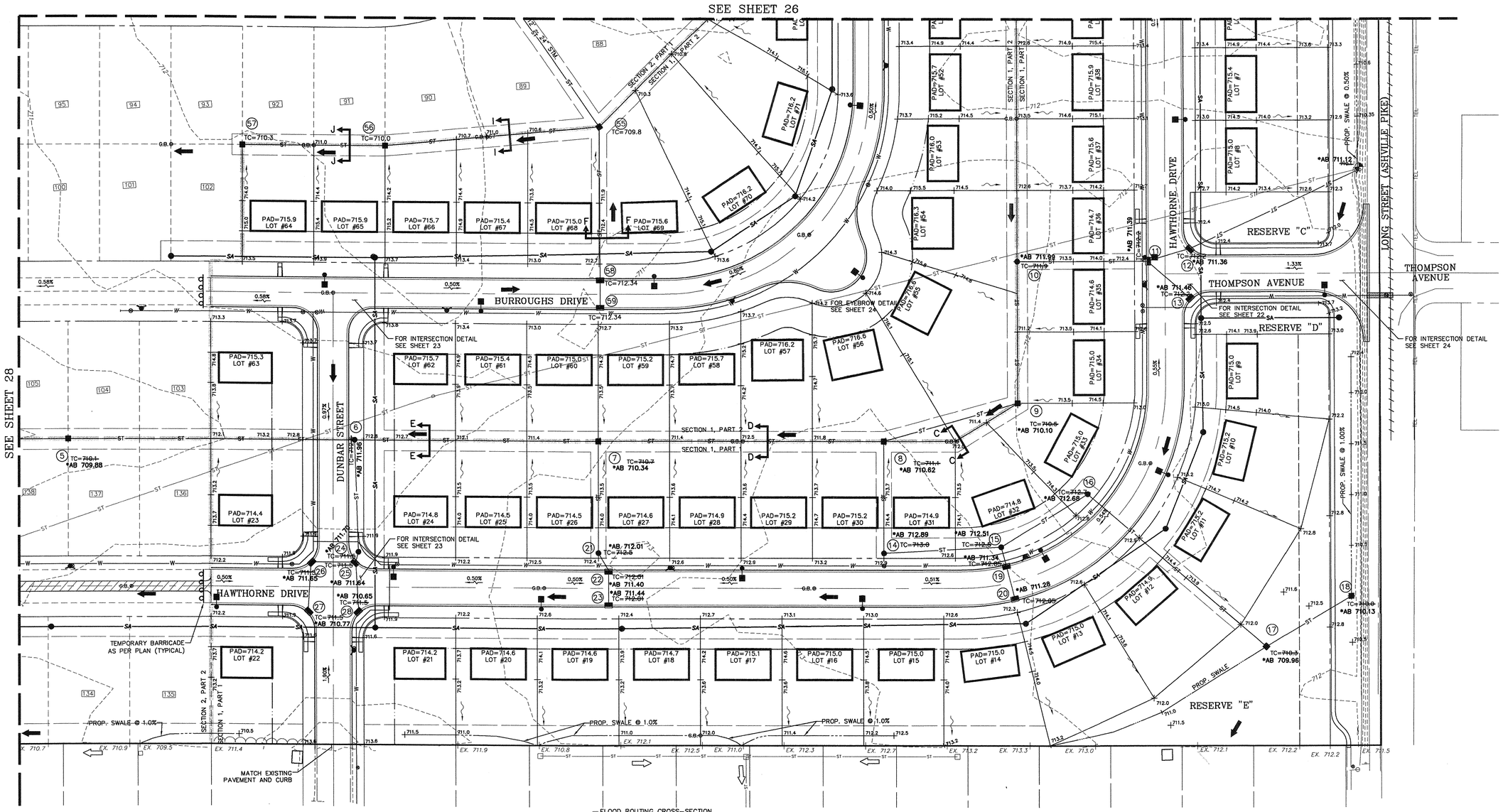

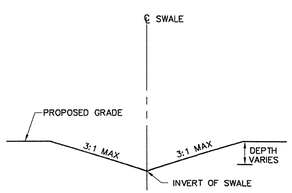

TYPICAL SWALE CROSS SECTION

– NOT TO SCALE –

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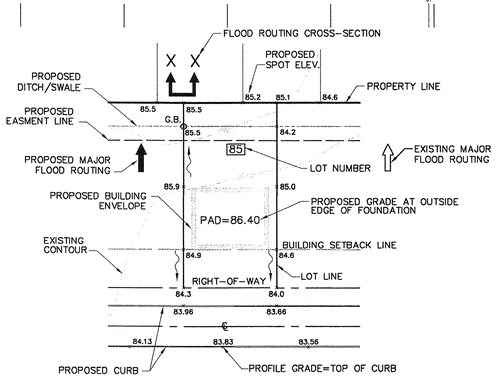

TYPICAL LOT LAYOUT

– NOT TO SCALE –

SEE SHEET 11 FOR FLOOD ROUTING CROSS SECTIONS

EASMENT DIMENSIONS:

SEE RECORD PLAT OF ASHTON CROSSING SECTION 1, PART 1 AND ASHTON CROSSING SECTION 1, PART 2 FOR EASEMENT DIMENSIONS.

NOTE: THE CONTRACTOR SHALL COMPLETE ALL EARTHWORK NECESSARY TO CONSTRUCT PONDS A–D AND ALL OF SECTION 1, PART 1 & 2 AS PART OF THIS PLAN. ANY EXCESS EARTHWORK SHALL BE STOCKPILED ONSITE OR SPREAD ON THE FUTURE SECTIONS AS DIRECTED BY THE DESIGN ENGINEER.

THE CONTRACTOR SHALL ENSURE THAT ALL FUTURE SECTIONS OF THE PROJECT HAVE POSITIVE DRAINAGE TO THE PROPOSED RETENTION PONDS AFTER CONSTRUCTION OF SECTION 1.

THE CONTRACTOR SHALL ALSO ENSURE THAT NO WATER IS ALLOWED TO COLLECT AND POND ANYWHERE ON THE SITE.

SCALE: 1" = 50'

50 25 0 50 100

SUB775_025A

*AB = AS BUILT SURVEY ~ 11–06

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GRADING PLAN
ASHTON CROSSING
SECTION 1, PART 1 & PART 2
VILLAGE OF ASHVILLE, OHIO

REVISIONS

JOB NO.	1860
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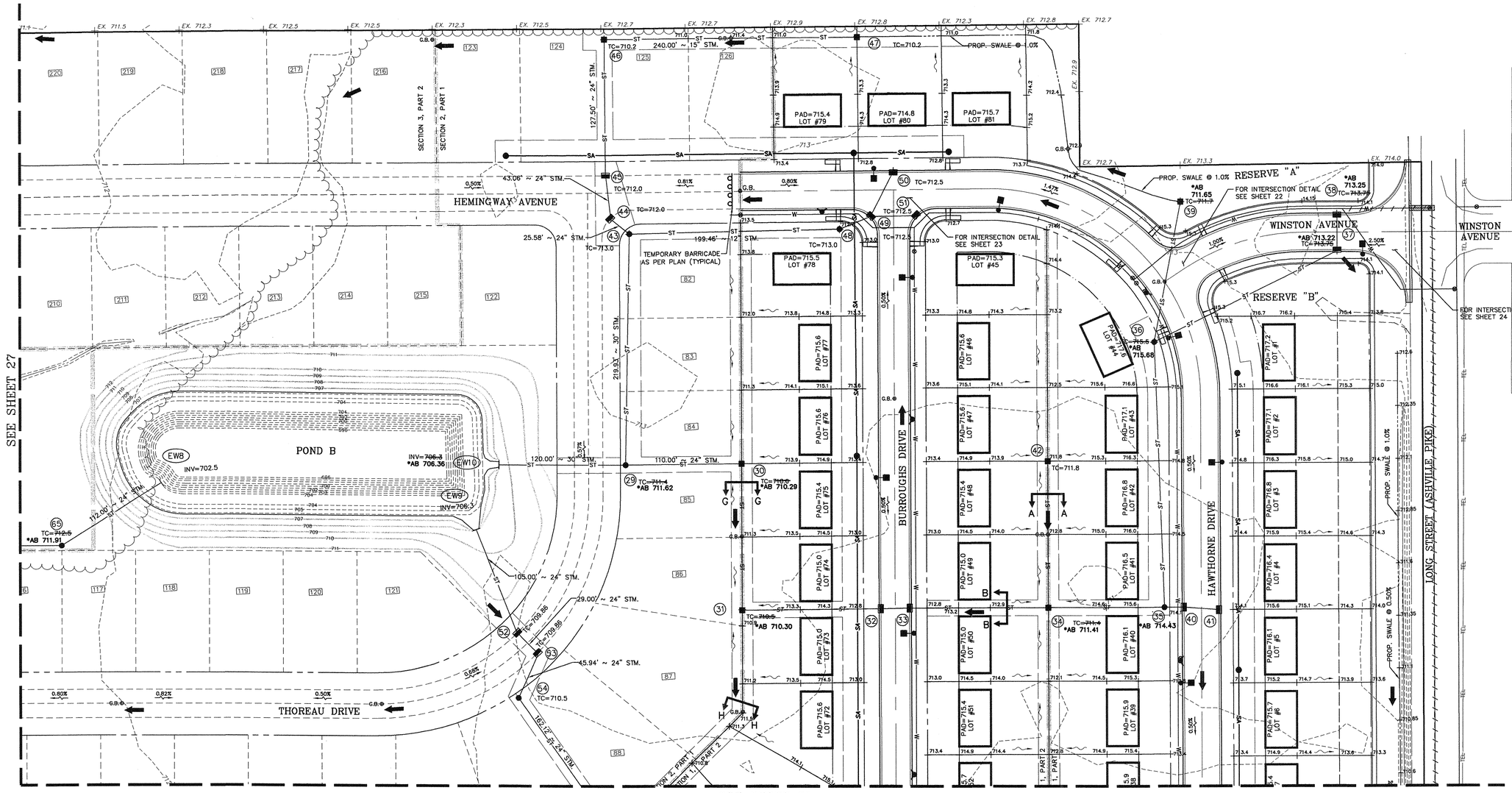
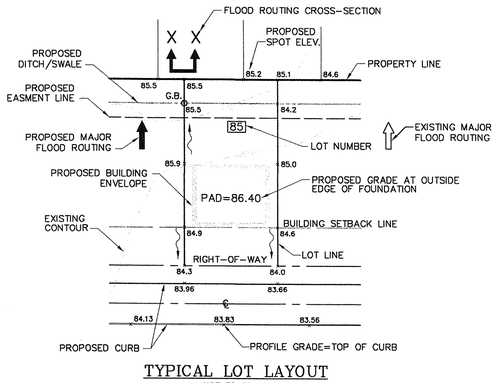




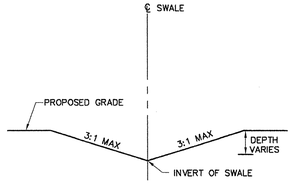
TYPICAL LOT LAYOUT

– NOT TO SCALE –

SEE SHEET 11 FOR FLOOD ROUTING CROSS SECTIONS

EASMENT DIMENSIONS:

SEE RECORD PLAT OF ASHTON CROSSING SECTION 1, PART 1 AND ASHTON CROSSING SECTION 1, PART 2 FOR EASEMENT DIMENSIONS.



TYPICAL SWALE CROSS SECTION

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SUB775_026A

SCALE: 1" = 50'

50 25 0 50 100

*AB = AS BUILT SURVEY ~ 11-06

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SECTION 1, PART 1 & PART 2
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REVISIONS

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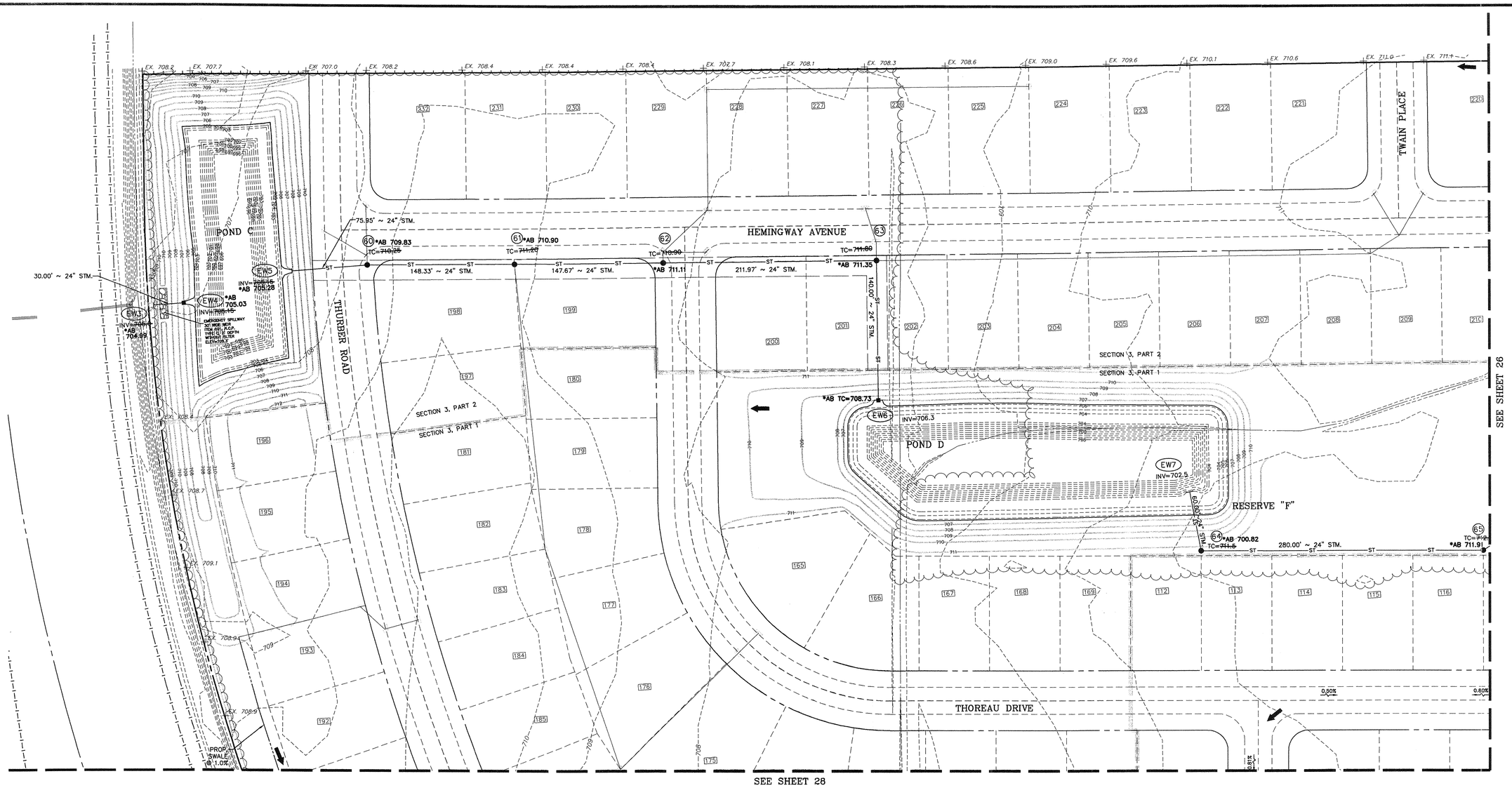
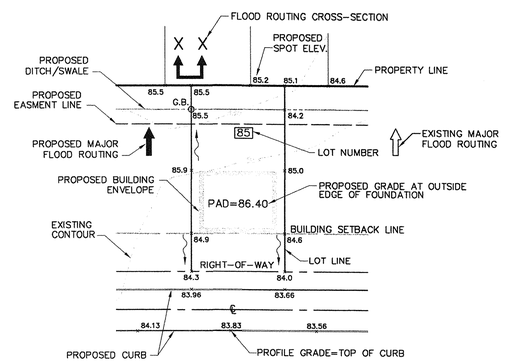
DESIGN BY	JSG
CHECKED BY	CMT

SHEET

26

OF 30





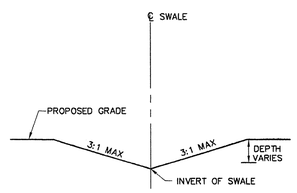
TYPICAL LOT LAYOUT

– NOT TO SCALE –

SEE SHEET 11 FOR FLOOD ROUTING CROSS SECTIONS

EASMENT DIMENSIONS:

SEE RECORD PLAT OF ASHTON CROSSING SECTION 1, PART 1 AND ASHTON CROSSING SECTION 1, PART 2 FOR EASEMENT DIMENSIONS.



TYPICAL SWALE CROSS SECTION

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SUB775_027A

SCALE: 1" = 50'

50 25 0 50 100

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GRADING PLAN
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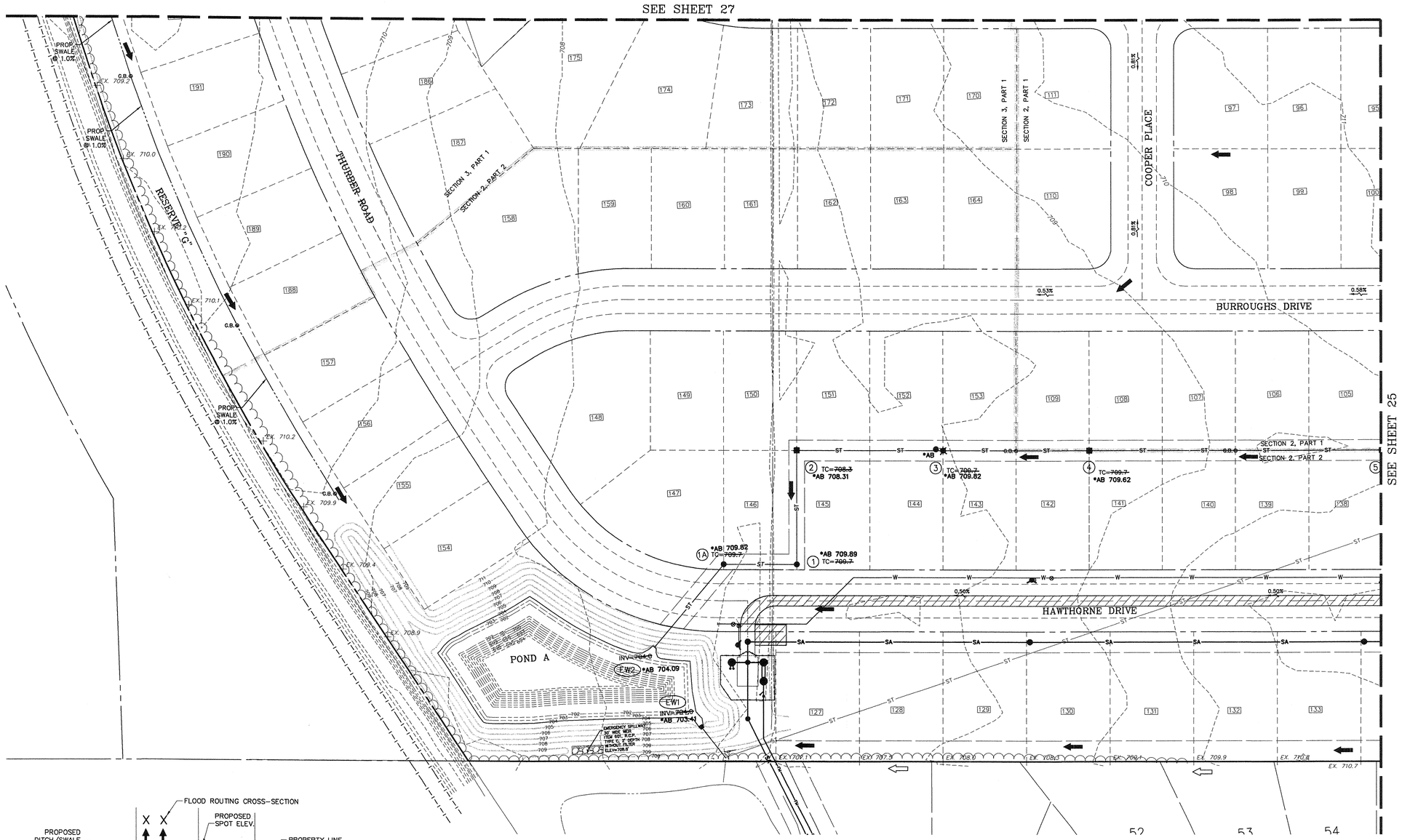
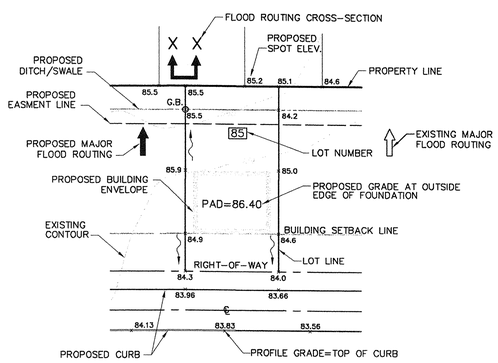




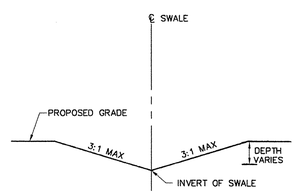
TYPICAL LOT LAYOUT

– NOT TO SCALE –

SEE SHEET 11 FOR FLOOD ROUTING CROSS SECTIONS

EASMENT DIMENSIONS:

SEE RECORD PLAT OF ASHTON CROSSING SECTION 1, PART 1 AND ASHTON CROSSING SECTION 1, PART 2 FOR EASEMENT DIMENSIONS.



TYPICAL SWALE CROSS SECTION

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SUB775_028A

SCALE: 1" = 50'

50 25 0 50 100

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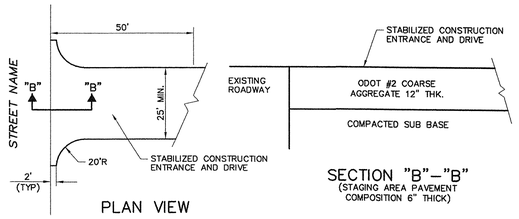
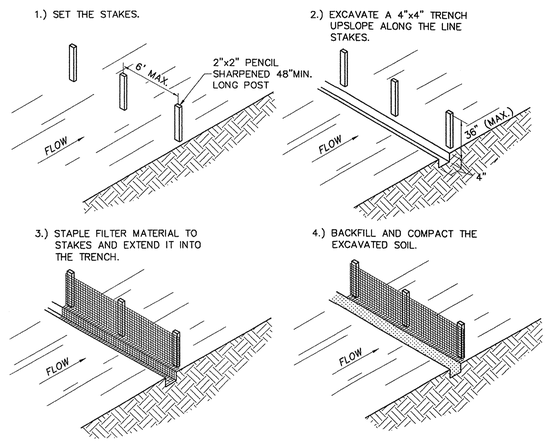
28

OF 30



STABILIZED CONSTRUCTION ENTRANCE DETAIL

THE EARTHWORK CONTRACTOR SHALL INSTALL AND MAINTAIN THE CONSTRUCTION ENTRANCE AND STAGING AREA.* THE EARTHWORK CONTRACTOR SHALL PERIODICALLY ADD CLEAN STONE AND MAINTAIN THE GRAVEL EDGES FOR THE DURATION OF THE PROJECT. WHEN THE CONSTRUCTION ENTRANCE AND DRIVE ARE NO LONGER NEEDED, THE EARTHWORK CONTRACTOR SHALL REMOVE THE GRAVEL AND RESTORE THE GROUND TO ITS ORIGINAL CONDITION OR PLACE PERMANENT PAVEMENT PER PROJECT PLANS.



SEDIMENT FENCE DETAIL

CONTRACTOR SHALL PLACE SEDIMENT FENCE AS LOCATED ON THIS SHEET PRIOR TO CONSTRUCTION.

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.

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.

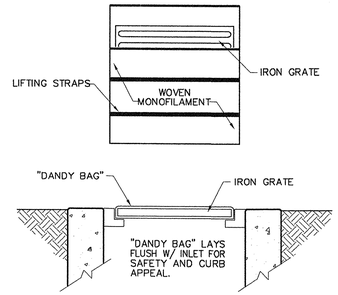
SILT FENCES AND FILTER BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.

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 REPLACE 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.

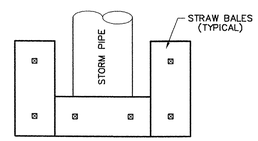


CATCH BASIN SEDIMENT FILTER

MAINTENANCE: REMOVE DRIED SEDIMENT FROM SURFACE OF UNIT WITH A STIFF BRISTLE BROOM OR SQUARE POINT SHOVEL. REMOVE FINE MATERIAL FROM INSIDE ENVELOPE AS NEEDED.

TO INSPECT CATCH BASIN: REMOVE UNIT WITH GRATE INSIDE, INSPECT CATCH BASIN AND REPLACE UNIT.

DANDY PRODUCTS INC.,
2011 R HARRISBURG PIKE, GROVE CITY, OH 43123
(800) 591-2284 (614) 875-2284 FAX (614) 875-6305.
OR APPROVED EQUAL



PLAN VIEW

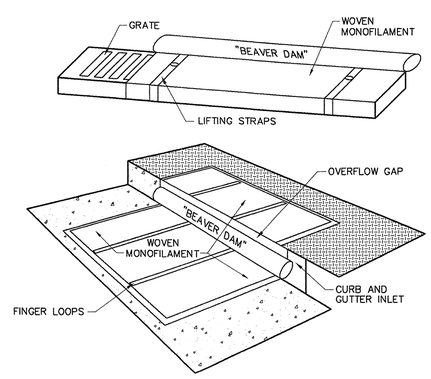
INLET/OUTLET BARRIER @ PIPE

CONTRACTOR SHALL PLACE SEDIMENT BARRIERS AS LOCATED ON THIS 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 THE UPSTREAM DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.



CURB & GUTTER INLET SEDIMENT FILTER

MAINTENANCE: WITH A STIFF BRISTLE BROOM SWEEP SILT AND OTHER DEBRIS OFF SURFACE AFTER EACH RAIN EVENT.

INSTALLATION: STAND GRATE ON END. SLIDE THE BEAVER DAM BAG ON WITH DAM ON TOP OF THE GRATE. PULL ALL EXCESS DOWN. LAY UNIT ON ITS SIDE. CAREFULLY TUCK FLAP IN. PRESS VELCRO STRIPS TOGETHER. INSTALL THE UNIT MAKING SURE FRONT EDGE OF GRATE IS INSERTED IN FRAME FIRST THEN LOWER BACK INTO PLACE. PRESS VELCRO DOTS TOGETHER WHICH ARE LOCATED UNDER LIFTING STRAPS. THIS INSURES STRAPS REMAIN FLUSH WITH GUTTER.

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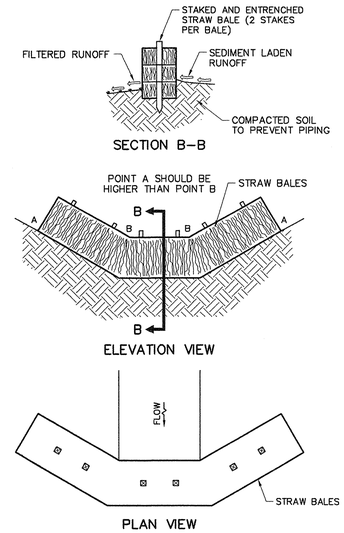


SEDIMENT BARRIER IN DRAINAGE WAY

CONTRACTOR SHALL PLACE SEDIMENT BARRIERS AS LOCATED ON THIS 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.

SEDIMENT & EROSION CONTROL NARRATIVE

PLAN DESIGNER: POMEROY & ASSOCIATES, LTD.
599 SCHERERS COURT
WORTHINGTON, OHIO 43085
PHONE: (614) 885-2498
FAX: (614) 885-2886

OWNER/DEVELOPER: MARONDA HOMES, INC.
MR. RICHARD J. CONIE
39 EAST WHITTIER STREET
COLUMBUS, OHIO 43206
(614) 445-8111 EXT. 13

DEVELOPMENT TYPE: SINGLE FAMILY

SITE ACREAGE: 40 ACRES

DISTURBED ACREAGE: 31 ACRES

AVERAGE SLOPE: EXISTING – APPROX. 0.8%
PROPOSED – APPROX. 1.0%

SITE GROUND COVER: EXISTING – EXISTING FIELD
PROPOSED – SINGLE FAMILY

STORM WATER MANAGEMENT: SURFACE RUNOFF FROM THE LOTS AND STREETS WILL BE CONVEYED TO THE UNDERGROUND STORM SEWER SYSTEM DESIGNED TO ACCOMMODATE A 2-YR STORM RUNNING FULL AND CONTAIN THE 5-YR STORM WITHIN THE SYSTEM. (INCLUDING DITCHES ALONG THE PROPOSED STREETS). THE STORM SEWER SYSTEM DISCHARGES INTO DETENTION PONDS THAT ARE DESIGNED TO CONTROL THE DISCHARGE FOR STORMS UP TO AND INCLUDING A STORM WITH A 100-YR RETURN INTERVAL. THE STREET GRADES AND THE OVER LOT GRADING ARE DESIGNED TO DIRECT THE 100-YR FLOOD TO THE DETENTION PONDS ALONG EXISTING DRAINAGE DIVIDES.

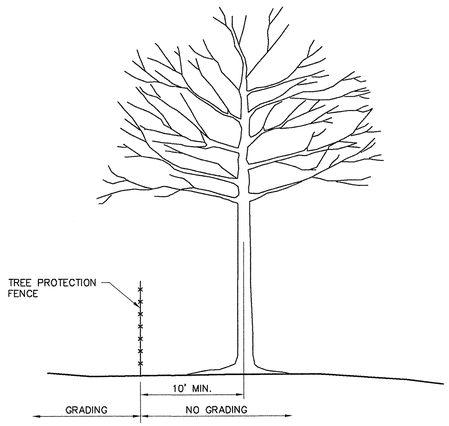
SOILS: Cr A – CROSBY SILT LOAM, 0 TO 2 PERCENT SLOPES
Ko – KOKOMO SILTY CLAY LOAM
Mk A – MIAMIAN – KENDALLVILLE SILT LOAMS, 0 TO 2 PERCENT SLOPES
Mk B – MIAMIAN – KENDALLVILLE SILT LOAMS, 2 TO 6 PERCENT SLOPES

ON SITE CONTACT: MR. RICHARD J. CONIE
39 EAST WHITTIER STREET
COLUMBUS, OHIO 43206
(614) 445-8111 EXT. 13

ALL EROSION AND SEDIMENT CONTROL PRATICES ARE SUBJECT TO FIELD MODIFICATION AT THE DISCRETION OF THE VILLAGE OF ASHVILLE AND/OR THE OHIO EPA.

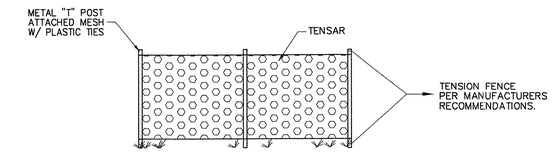
NOTE: THE ONSITE CONTACT/S RESPONSIBLE FOR SEDIMENT AND EROSION CONTROL ON THIS SITE ARE:

	NAME	PHONE NUMBER	FAX NUMBER
BMP INSTALLATION	MR. RICHARD J. CONIE	(614)445-8111 EXT. 13	(614)445-8115
BMP MAINTENANCE	MR. RICHARD J. CONIE	(614)445-8111 EXT. 13	(614)445-8115
SITE STABILIZATION AND BMP REMOVAL	MR. RICHARD J. CONIE	(614)445-8111 EXT. 13	(614)445-8115



TREE PROTECTION DETAIL

– NOT TO SCALE –



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 MANUFACTURE'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.

FOR REQUIRED TREE PROTECTION FENCE LOCATIONS SEE SHEET .

TEMPORARY SEEDING & MULCHING FOR EROSION CONTROL

SEED TYPE	SEEDING DATES	PER 1000 SQ FT	PER ACRE
TALL FESCUE & ANNUAL RYEGRASS		2 POUNDS & 0 POUND	80 POUNDS & 20 POUNDS
SMALL GRAIN STRAW	MARCH 1 TO SEPTEMBER 15	150 POUNDS OR 2 OR 3 BALES	3 TONS OR 75 BALES
FERTILIZER		25 POUNDS OF 12-12-12 OR THE EQUIVALENT	1000 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

SOIL PROTECTION CHART

ALL SEEDING ITEMS ARE COVERED UNDER ODOT SPECIFICATIONS.

STABILIZATION TYPE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
PERMANENT SEEDING			+	—	—	—	—	—	—			
DORMENT SEEDING	+	—	—							+	—	—
TEMPORARY SEEDING			+	—	—	—	—	—	—			
SODDING			+	—	—	—	—	—	—			
MULCHING	+	—	—	—	—	—	—	—	—	—	—	—

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Consulting Engineers & Surveyors
599 Scherers Court • Worthington, Ohio 43085
Phone (614)885-2498 • Fax (614)885-2886

EROSION CONTROL NOTES
ASHTON CROSSING
SECTION I, PART 1 & PART 2
VILLAGE OF ASHVILLE, OHIO

REVISIONS

JOB NO.	1860
DRAWN BY	MJM
DESIGN BY	JSG
CHECKED BY	CMT

SHEET
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OF 30

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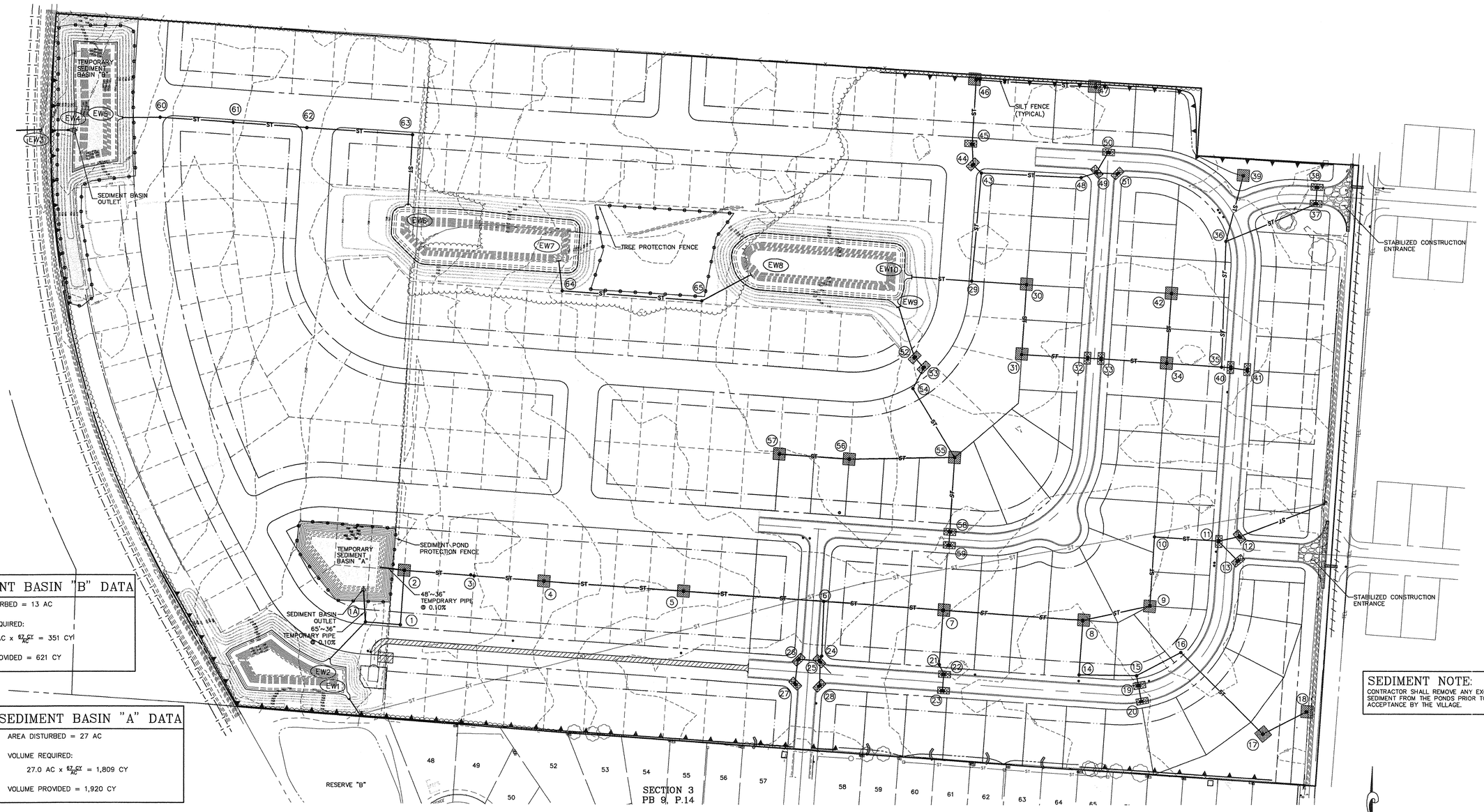


SEDIMENT BASIN "B" DATA

AREA DISTURBED = 13 AC

VOLUME REQUIRED:

13.0 AC x $\frac{67\ CY}{AC}$ = 351 CY

VOLUME PROVIDED = 621 CY

SEDIMENT BASIN "A" DATA

AREA DISTURBED = 27 AC

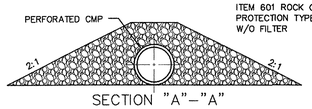
VOLUME REQUIRED:

27.0 AC x $\frac{67\ CY}{AC}$ = 1,809 CY

VOLUME PROVIDED = 1,920 CY

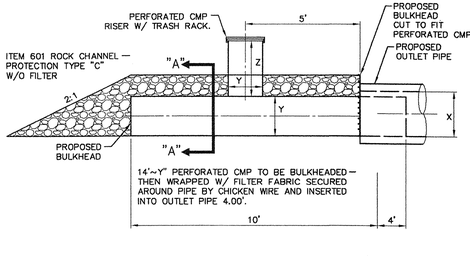
SEDIMENT NOTE:

CONTRACTOR SHALL REMOVE ANY EXCESS SEDIMENT FROM THE PONDS PRIOR TO ACCEPTANCE BY THE VILLAGE.



SECTION "A"–"A"

OUTLET PIPE SIZE			
POND A	X = 36"	Y = 24"	Z = 1'
POND B	X = 24"	Y = 18"	Z = 2.85'



SEDIMENT BASIN OUTLET

–NOT TO SCALE–

SOIL EROSION NOTES
CONSTRUCTION SEQUENCE

1. INSTALL PERIMETER SEDIMENT FENCE & STABILIZED CONSTRUCTION ENTRANCE.
2. GRADE AND STOCKPILE TOPSOIL
   A. SEDIMENT BARRIER AROUND STOCKPILE
   OR
   B. TEMPORARY SEEDING
3. VEGETATIVE COVER ALL AREAS TO BE EXPOSED LONGER THAN 45 DAYS (TEMPORARY SEEDING).

   EXCAVATE SEDIMENT BASINS AND TEMPORARY PIPING
4. INSTALL UTILITIES
   A. INSTALL INLETS AND BASIN FILTERS AS SHOWN ON PLANS
5. INSTALL PAVEMENT SUBGRADE AND DITCHES INSTALL DITCH FILTERS AS SHOWN ON THE PLANS.
6. INSTALL IMPROVEMENTS AND FINAL GRADING.
7. PERFORM CONTINUING MAINTENANCE.
8. PERMANENT SEEDING AND MULCHING.
9. REMOVE SEDIMENT FILTER AFTER VEGETATION GROWTH IS ESTABLISHED.

   FILL SEDIMENT BASIN WITH CONPACTED FILL
10. ON SITE CONTACT: RICHARD CONIE
    39 E. WHITTIER STREET
    COLUMBUS, OH 43206
    (614)–445–8111, EXT 13

SEDIMENT & 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–TRAPPING PRACTICES. SEDIMENT CONTROL PRACTICES SHALL BE FUNCTIONAL THROUGHOUT EARTH–DISTURBING PERIMETER 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. STREET 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 OTHER–WISE 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, REMOVED AND DISPOSED OF.

9. MAINTENANCE. ALL TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE DESIGNED AND CONSTRUCTED TO MINIMIZE MAINTENANCE REQUIREMENTS. THEY SHALL BE MAINTAINED BY THE DEVELOPER AND REPAIRED AS NEEDED TO ASSURE CONTINUED PERFORMANCE OF THEIR INTENDED FUNCTION UNTIL ALL ON–LOT CONSTRUCTION IS COMPLETED AND LAWNS HAVE BEEN ESTABLISHED. DEVELOPER SHALL REQUEST WRITTEN PERMISSION TO REMOVE ALL TEMPORARY EROSION CONTROL MEASURES AND THE DEVELOPMENT BE CLEANED OF ALL ACCUMULATED SEDIMENT TO THE SATISFACTION OF THE VILLAGE.

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SCALE: 1" = 100'

100 50 0 100 200

LEGEND

- = CATCH BASIN SEDIMENT
- = CURB AND GUTTER INLET SEDIMENT FILTER
- = SEDIMENT BARRIER IN DRAINAGE WAY
- = STABILIZED CONSTRUCTION ENTRANCE
- = SEDIMENT FENCE
- = TREE PROTECTION FENCE

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EROSION CONTROL PLAN
ASHTON CROSSING
SECTION I, PART 1 & PART 2
VILLAGE OF ASHVILLE, OHIO

REVISIONS

JOB NO.	1860
DRAWN BY	MJM
DESIGN BY	JSG
CHECKED BY	CMT

SHEET

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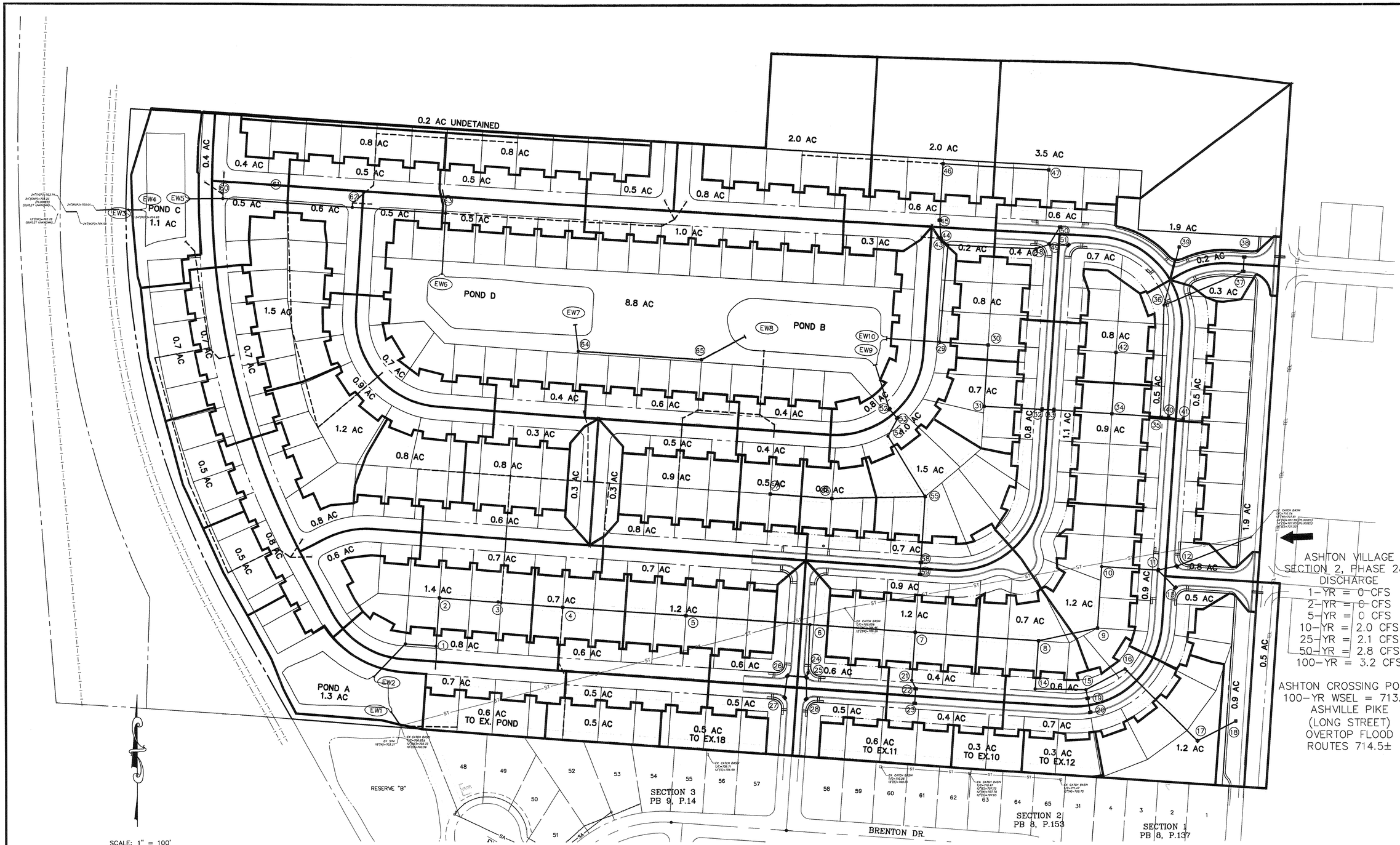
OF 30



SUMMARY OF TRIBUTARY ACREAGES	
OUT TO ENDWALL #1	
EW#2 --> POND A	26.2 ACRE
OVERLAND --> POND A	+ 1.3 ACRE
TOTAL TRIBUTARY TO EW#1:	27.5 ACRE
OUT TO ENDWALL #4	
EW#9 --> POND B	6.0 ACRE
EW#10 --> POND B	+ 18.8 ACRE
FUTURE EW --> POND B	+ 3.3 ACRE
OVERLAND --> PONDS B&D	+ 8.8 ACRE
TRIBUTARY TO PONDS B & D:	36.9 ACRE
EW#5 --> POND C	+ 12.1 ACRE
FUTURE EW --> POND C	+ 5.3 ACRE
OVERLAND --> POND C	+ 1.1 ACRE
TOTAL TRIBUTARY TO EW#4:	55.4 ACRE
UNDETAINED	
UNDETAINED --> OFFSITE	2.5 ACRE

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POST-DEVELOPED STORM TRIBUTARY MAP
ASHTON CROSSING
ASHVILLE PIKE (LONG STREET)
VILLAGE OF ASHVILLE, OHIO

REVISIONS

JOB NO.	1860
DRAWN BY	JSG
DESIGN BY	JSG
CHECKED BY	CMT

SUPPLEMENTAL SHEET

A