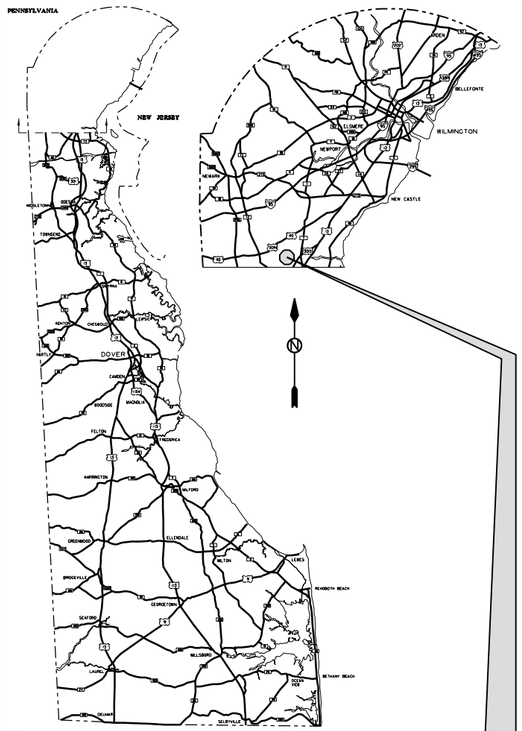


GENERAL LOCATION OF CONTRACT

THE STATE OF DELAWARE
DEPARTMENT OF TRANSPORTATION

U.S. CUSTOMARY UNITS

SPECIFICATION AND CONSTRUCTION PLANS FOR:

OLD PORTER ROAD, PORTER ROAD TO SR 71

CONTRACT NUMBER XX-XXX-XX

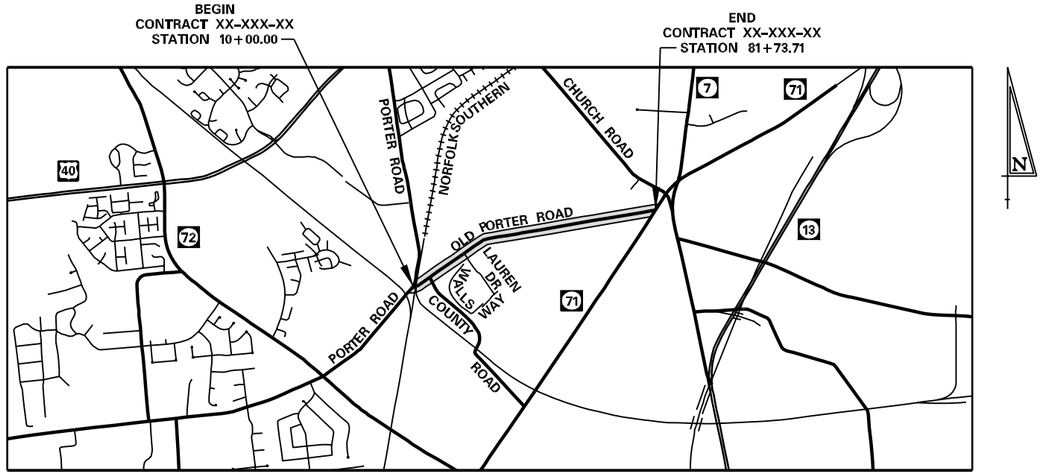
FEDERAL AID PROJECT NUMBER N/A

FROM MILE POST TO MILE POST

ROADWAY LENGTH 7,163 FEET=1.36 MILES

STRUCTURE LENGTH 11 FEET=0.002 MILES

TOTAL LENGTH 7,174 FEET=1.36 MILES



PROJECT LOCATION

COUNTY	M.R. NO.		SHEET NUMBER	TOTAL SHEETS
NEW CASTLE	383		1	18

DESIGN DESIGNATION

FUNCTIONAL CLASS: LOCAL
TYPE OF CONSTRUCTION: 4-R
A.A.D.T. CURRENT: 3,501 YEAR: 2002
A.A.D.T. PROJECTED: 5,400 YEAR: 2025
D.H.V. PROJECTED: 729 YEAR: 2025
DESIGN SPEED: 50 M.P.H.
TRUCKS: 4 %
DIRECTION OF DISTRIBUTION: 71.5 %

INDEX OF SHEETS

SHEET Nº	TABLE OF CONTENTS
1	TITLE SHEET
2	PLAN SHEET INDEX
3	NOTES AND LEGEND
4	TYPICAL SECTIONS
5-13	CONCEPT PLANS
14-18	PROFILES

APPROVED DESIGN EXCEPTIONS DATE: PENDING

DESIGN PARAMETER	REQUIRED	PROVIDED
MINIMUM K (CREST VERTICAL CURVE)	96	42
MAXIMUM HORIZONTAL CURVATURE	835 FT	240 FT

ADDENDA & REVISIONS

DESCRIPTION	NAME & DATE

CONCEPT PLAN

PREPARED BY
THE CONSULTING FIRM OF
WHITMAN, REQUARDT & ASSOCIATES, LLP
ENGINEERS

JOSEPH S. MAKAR, PARTNER

SEAL

RECOMMENDED DATE

RECOMMENDED

SQUAD MANAGER, CONSTRUCTION DATE

GROUP ENGINEER, CONSTRUCTION DATE

ASSISTANT DIRECTOR, TRANSPORTATION SOLUTIONS (CONSTRUCTION) DATE

DEPARTMENT OF TRANSPORTATION

RECOMMENDED	RECOMMENDED	RECOMMENDED	RECOMMENDED	RECOMMENDED	APPROVED
STORMWATER ENGINEER	SQUAD MANAGER, TRANSPORTATION SOLUTIONS (PROJECT DEVELOPMENT OR BRIDGE DESIGN)	BRIDGE DESIGN ENGINEER	GROUP ENGINEER, PROJECT DEVELOPMENT	ASSISTANT DIRECTOR, TRANSPORTATION SOLUTIONS	CHIEF ENGINEER
DATE	DATE	DATE	DATE	DATE	DATE
SEAL	SEAL	SEAL	SEAL	SEAL	SEAL

APR. 11, 2003

R:\ROAD\DGN\C_TITLEA_US.DGN

PLAN SHEET INDEX

SCALE

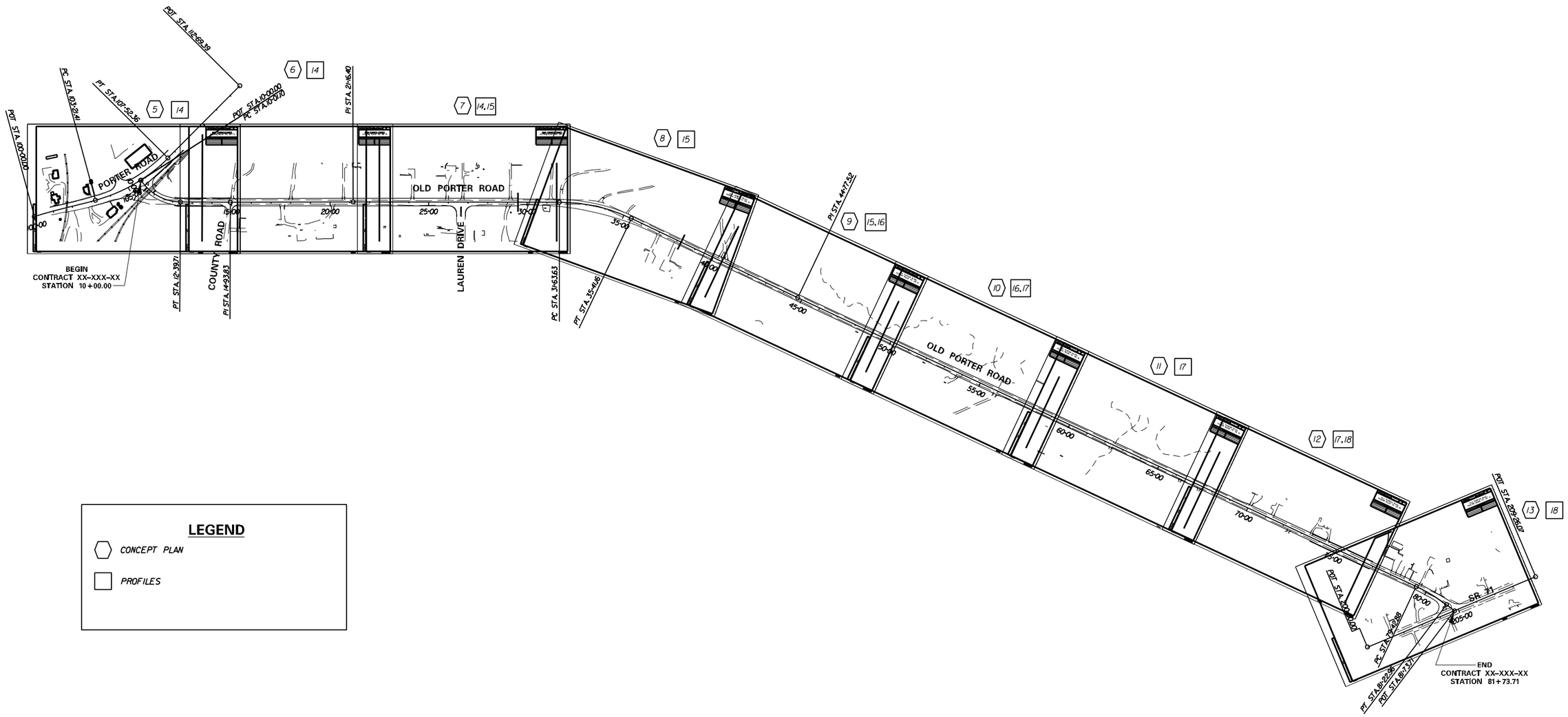
0 250 500 750

FEET

CONTRACT	COUNTY	F.A.P. NO.	SHEET NO.	TOTAL SHTS.
XX-XXX-XX	NEW CASTLE	SEE TITLE SHEET	2	18

OLD PORTER ROAD, PORTER ROAD TO SR 71

REVISIONS



LEGEND

- CONCEPT PLAN
- PROFILES

PREL. TRACING _____ DESIGN _____ CHKD. _____

2/14/2005

2/14/2005

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GENERAL NOTES

1. THIS PROJECT IS TO BE CONSTRUCTED IN ACCORDANCE WITH DELAWARE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, DATED AUGUST 2001 AND THE DELAWARE DEPARTMENT OF TRANSPORTATION "STANDARD CONSTRUCTION DETAILS", DATED 2001, INCLUDING ALL REVISIONS UP TO THE DATE OF ADVERTISEMENT.
2. THE CONTRACTOR SHALL GIVE TWO (2) WEEKS NOTICE TO THE PROPERTY OWNER WHEN ANY FIXTURE, SHRUB OR OTHER OBJECT MUST BE REMOVED FROM THE RIGHT OF WAY OR EASEMENT AREA. IF THE OWNER HAS NOT ATTEMPTED TO SALVAGE THIS PROPERTY, THE CONTRACTOR SHALL REMOVE IT WITHOUT OBLIGATION. COMPENSATION SHALL BE INCIDENTAL TO THE CONTRACT.
3. THE ENDS OF ALL CURBS SHALL BE DEPRESSED FLUSH WITH THE PAVEMENT AT A RATIO OF TWELVE TO ONE (12:1) UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
4. THE CONTRACTOR SHALL PROVIDE AND INSTALL PVC SLEEVES (4 INCH INSIDE DIAMETER MINIMUM, 6 INCH INSIDE DIAMETER MAXIMUM) IN PROPOSED CONCRETE SIDEWALKS, ISLANDS, AND MEDIANS FOR FUTURE TRAFFIC SIGN POSTS AS DIRECTED BY THE ENGINEER. THE LOWER END OF THE SLEEVE SHALL SIT ON THE TOP OF THE SUBBASE. THE COST SHALL BE INCIDENTAL TO THE CONTRACT.
5. SITE REVIEWER. AN EROSION CONTROL SITE REVIEWER SHALL BE A PERSON FROM THE CONTRACTOR'S STAFF ASSIGNED TO EROSION AND SEDIMENT CONTROL IMPLEMENTATION AND MAINTENANCE AND SHALL BE REQUIRED ON SPECIFIC PROJECTS. THE NAME AND DNREC CERTIFICATION NUMBER OF EACH SITE REVIEWER SO REQUIRED SHALL BE SUBMITTED TO THE DEPARTMENT AT THE TIME OF BID. THE SITE REVIEWER REQUIREMENTS IN EFFECT ON THIS PROJECT SHALL BE AS MARKED WITH AN (X) BELOW:

EROSION POTENTIAL FOR THIS PROJECT	SITE REVIEWER REQUIREMENT
( ) INSIGNIFICANT	NONE
( ) MINOR	CONTRACTOR CERTIFICATION COURSE TRAINING ONLY. SEE 1. BELOW
(X) MEDIUM	AT THE TIME OF AWARD OF THE CONTRACT, EITHER THE SUPERINTENDENT OR A SEPARATE INDIVIDUAL FROM THE CONTRACTOR'S STAFF SHALL BE A CERTIFIED CONSTRUCTION REVIEWER (CCR), SEE 2 BELOW.
( ) MAJOR	SUPERINTENDENT AND INDIVIDUAL FROM CONTRACTOR'S STAFF SHALL BE CCR. SEE 3 BELOW.

1. AS DEFINED IN SECTION 13 OF THE DELAWARE SEDIMENT AND STORMWATER REGULATIONS.
2. AS DEFINED IN SECTION 12 OF THE DELAWARE SEDIMENT AND STORMWATER REGULATIONS.
3. ONE INDIVIDUAL FROM THE CONTRACTOR'S STAFF MUST BE A CCR AT THE TIME OF AWARD OF THE CONTRACT. THE SUPERINTENDENT MUST BECOME A CCR WITHIN ONE YEAR AFTER THE AWARD OF CONTRACT.

6. STAGING AREAS:
PROPER EROSION AND SEDIMENT CONTROL MEASURES AS DETERMINED BY THE ENGINEER SHALL BE INSTALLED IN ALL STAGING AREAS. ALL AREAS USED BY THE CONTRACTOR FOR STAGING OPERATIONS SHALL BE FULLY RESTORED BY THE CONTRACTOR UPON COMPLETION OF THE PROJECT. IF THE STAGING AREA IS PAVED, IT SHALL BE RESTORED TO ITS ORIGINAL CONDITION. IF THE STAGING AREA IS UNPAVED, IT SHALL BE RE-GRADED, TOPSOILED, SEEDED AND MULCHED IN ACCORDANCE WITH DELAWARE STANDARD SPECIFICATIONS 732, 734 AND 735, FOR TOPSOIL, SEED AND MULCH RESPECTIVELY, TO THE SATISFACTION OF THE ENGINEER. THE SEED SHALL ADHERE TO THE SPECIFICATIONS OF SECTION 734 FOR PERMANENT GRASS SEEDING - DRY GROUND. ALL COSTS ASSOCIATED WITH RESTORATION OF THE STAGING AREA SHALL BE AT THE CONTRACTOR'S EXPENSE. IF THE ENGINEER DETERMINES THAT A SATISFACTORY STAND OF GRASS DOES NOT EXIST AT THE TIME OF FINAL INSPECTION, ALL COSTS ASSOCIATED WITH RE-ESTABLISHING A SATISFACTORY STAND OF GRASS SHALL BE AT THE CONTRACTOR'S EXPENSE.

7. DISTURBED AREA: 12.73 AC

STONE CHECK DAM
INLET SEDIMENT CONTROL
PERIMETER DIKE SWALE
TEMPORARY SWALE
EARTH DIKE (ED)
SAND BAG DIVERSION (S-B)
EROSION CONTROL FABRIC
SEDIMENT TRAP (ST)
TRAFFIC CONTROL PLASTIC DRUMS
CONSTRUCTION WARNING SIGNS (ROAD WORK XXXX FT.)
EXISTING CONTOURS
PROPOSED CONTOURS
CRASH CUSHION (SAND BARRELS)
TYPE C ARROW PANEL
FLAGGER LOCATION

PORTABLE SEDIMENT TANK (PST)
SILT FENCE (SF)
REINFORCED SILT FENCE (RSF)
SILT FENCE IDENTIFIER (SF)
STILLING WELL (SW)
SUMP PIT (SP)
DEWATERING BASIN (DWB)
SEDIMENT TRAP PIPE OUTLET (ST)
TEMPORARY SLOPE DRAIN (TSD)
SAND BAG DIKE (SBD)
TYPE 3 BARRICADE
TRAFFIC FLOW ARROW (PHASE)
PORTABLE CONCRETE SAFETY BARRIER
STABILIZED CONSTRUCTION ENTRANCE (SCE)

CONSTRUCTION

MILL AND OVERLAY
FULL-DEPTH PAVEMENT
NOT USED
4" P.C.C. SIDEWALK 4" GABC, TYPE B
6" P.C.C. SIDEWALK 6" GABC, TYPE B
NOT USED
3" SUPERPAVE, TYPE C 6" GABC, TYPE B
BUTT JOINT
PAVEMENT PATCH
RIPRAP
DRAINAGE INLET
DRAINAGE INLET IDENTIFIER (DI)
MANHOLE
MANHOLE IDENTIFIER (MH)
DRAINAGE PIPE & FLOW ARROW
PIPE IDENTIFIER (P)
FLARED END SECTION
FLARED END SECTION IDENTIFIER (FE)
JUNCTION BOX
JUNCTION BOX IDENTIFIER (JB)
CONVERT TO JB IDENTIFIER (C JB)
UNDERDRAIN
UNDERDRAIN IDENTIFIER (UD)
UNDERDRAIN OUTLET STRUCTURE
DITCH
BIOFILTRATION SWALE (BFS)

INTEGRAL P.C.C. CURB AND GUTTER TYPE 1
P.C.C. CURB TYPE 1 &/OR 3
P.C.C. CURB TYPE 2
INTEGRAL P.C.C. CURB AND GUTTER TYPE 2
INTEGRAL P.C.C. CURB AND GUTTER TYPE 3
CURB (BY OTHERS)
CURB IDENTIFIER (C)
CURB OPENING (C O)
CURB ACCESS RAMP IDENTIFIER WITH TYPE NUMBER (CR)
CONCRETE SAFETY BARRIER
BARRIER IDENTIFIER (B)
STEEL BEAM GUARDRAIL
GUARDRAIL END SECTION
GUARDRAIL IDENTIFIER (GR)
METAL FENCE
WOOD FENCE
R/W MONUMENT
R/W MONUMENT IDENTIFIER (M)
RELOCATE BY CONTRACTOR (RL C)
ADJUST BY CONTRACTOR (A C)
REMOVE BY CONTRACTOR (RM C)
RELOCATE BY OTHERS (RL O)
ADJUST BY OTHERS (A O)
REMOVE BY OTHERS (RM O)
DO NOT DISTURB (DND)

UTILITIES

SIGNING, STRIPING AND CONDUITS

PAVE — CONDUITS UNDER PAVEMENT
SOD — CONDUITS IN TRENCH
CONDUIT JUNCTION WELL
PAVEMENT MARKINGS
LANE STRIPING
TRAFFIC SIGN AND POST (BY STATE FORCES) (TO CON. OR RES.)

RIGHT OF WAY

RW — PROPOSED RIGHT-OF-WAY
RW&DA — PROPOSED RIGHT OF WAY AND DENIAL OF ACCESS
DA — PROPOSED DENIAL OF ACCESS
PE — PROPOSED PERMANENT EASEMENT
UE — PROPOSED UTILITY EASEMENT
TCE — PROPOSED TEMPORARY CONSTRUCTION EASEMENT
100 — HISTORIC R/W CENTERLINE OR BASELINE
100 — PROPOSED RIGHT OF WAY BASELINE
EXISTING RIGHT-OF-WAY LINE
PE — EXISTING PROPERTY LINE

PROPOSED LANDSCAPING

CONIFEROUS TREE
DECIDUOUS TREE
EVERGREEN SHRUB
FLOWERING SHRUB

MISCELLANEOUS SYMBOLS

LOC — LIMIT OF CONSTRUCTION
NORTH ARROW
CZ — CLEAR ZONE
100 — CONSTRUCTION BASELINE
REMOVAL OF EXISTING PAVEMENT (OUTSIDE LIMITS OF NEW PAVEMENT TEMPLATE) TOPSOIL, SEED & MULCH

NOTES & LEGEND

SYMBOLS SHOWN ON THIS SHEET DO NOT NECESSARILY APPEAR IN THIS CONTRACT.

CONTRACT	COUNTY	F.A.P. NO.	SHEET NO.	TOTAL SHTS.
XX-XXX-XX	NEW CASTLE	SEE TITLE SHEET	3	18

OLD PORTER ROAD, PORTER ROAD TO SR 71

REVISIONS

EXISTING DETAIL

SURVEY TRAVERSE POINT
POINT OF INTERSECTION - TANGENTS
POINT OF TANGENCY & CURVATURE
SURVEY TIE POINT LOCATION (T.P.)
BENCH MARK LOCATION (B.M.)
SOIL BORING LOG - PROFILE VIEW (A-6(4), A-2(4))
SOIL BORING LOCATION - PLAN VIEW
SOIL TYPE AND BOUNDARY LINE (GnB2, GnB3)
MARSH OR WET AREAS LAWN
SMALL BUSH OR ORNAMENTAL SHRUB
CONIFEROUS TREE - 6" AND LARGER
DECIDUOUS TREE - 6" AND LARGER
HEDGEROW OR THICKET
WOODS LINE
TREE STUMP
UTILITY TEST HOLE LOCATION
GAS MANHOLE (G)
SANITARY SEWER MANHOLE (S)
TELEPHONE MANHOLE (T)
ELECTRIC MANHOLE (E)
FIRE HYDRANT (F.H.)
TELEPHONE BOOTH (B)
UTILITY POLE GUY WIRE ANCHOR
GAS VALVE (G.V.)
WATER VALVE (W.V.)
WOOD POLE
WATER METER (W.M.)
SANITARY SEWER VENT (VENT)
SANITARY SEWER SURFACE FIXTURE (S.V.)
TELEPHONE TEST POINT (T)
GAS METER (G.M.)
POLE MOUNTED LUMINAIRE
RESIDENTIAL STREET LAMP AND POST (LAMP)
FLAG POLE (F.P.)

(TYPE LABEL) CURB
(TYPE LABEL) INTEGRAL CURB & GUTTER
FLEXIBLE PAVEMENT EDGE
RIGID PAVEMENT EDGE
STEEL BEAM GUARD RAIL
WOOD POST AND CABLE GUARD RAIL
STORM DRAINAGE SURFACE INLET (C.B.)
STORM DRAINAGE MANHOLE (D)
STORM DRAINAGE JUNCTION BOX (J.B.)
(SIZE/TYPE LABEL) EXISTING DRAINAGE PIPE AND FLOW ARROW
DRAINAGE PIPE HEADWALL
EROSION CONTROL STONE
STREAM, DITCH OR POND BOUNDARY
STREAM FLOW DIRECTION ARROW
TRAFFIC CONTROL SIGN POST
TRAFFIC SIGNAL SUPPORT BASE (S)
TRAFFIC SIGNAL CONTROL BOX AND/OR BASE
TRAFFIC SIGNAL CONDUIT JUNCTION WELL (J.W.)
ELECTRIC TRANSFORMER (E)
CABLE TELEVISION DISTRIBUTION BOX (TV)
CONCRETE MONUMENT OR PROPERTY MARKER (C.M.)
PROPERTY LINE MARKER (I.P.)
STONE PILLAR - CONC. BLOCK OR POURED
STRAND OR WOVEN WIRE FENCE
WOODEN FENCE
LUMINAIRE SUPPORT POLE AND/OR BASE
SERVICE STATION FUEL PUMP (G.P.)
WELL HEAD (WELL)
SEPTIC DRAIN FIELD (S.D.F.)
STONE WALL
BLOCK WALL
RAILROAD TRACKS
DELINEATED WETLANDS (WL)
ORDINARY HIGH WATER (OHW)

CHKD.
DESIGN
PREL. TRACING
2/14/2005

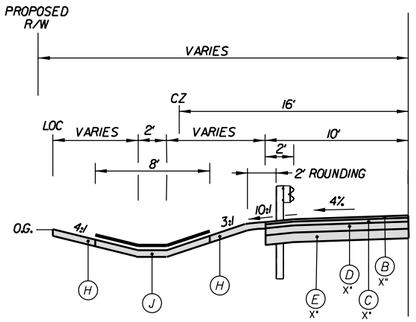
TYPICAL SECTIONS

SCALE: NONE

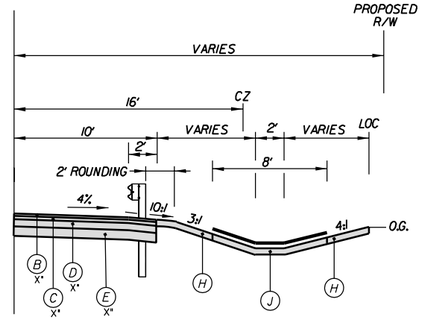
CONTRACT	COUNTY	F.A.P. NO.	SHEET NO.	TOTAL SHTS.
XX-XXX-XX	NEW CASTLE	SEE TITLE SHEET	4	18

OLD PORTER ROAD, PORTER ROAD TO SR 71

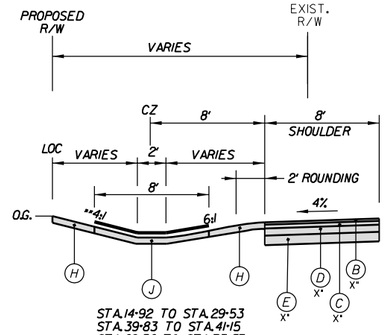
REVISIONS



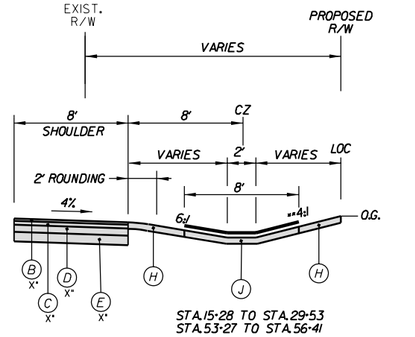
STA.12+09 TO STA.14+92
STA.73+57 TO STA.76+88



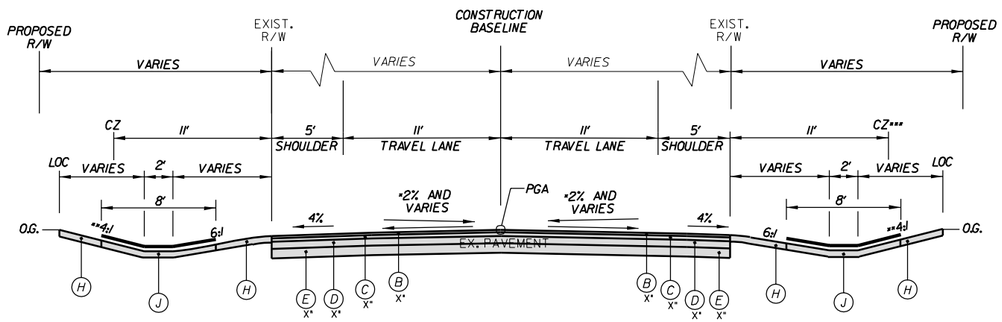
STA.12+14 TO STA.14+54
STA.73+57 TO STA.76+88



STA.14+92 TO STA.29+53
STA.39+83 TO STA.41+15
STA.69+56 TO STA.73+57
STA.76+88 TO STA.81+50



STA.15+28 TO STA.29+53
STA.53+27 TO STA.56+41



OLD PORTER ROAD

STA.10+15 TO STA.29+25
STA.39+25 TO STA.81+58

*SUPERELEVATION FROM STA.10+15 TO STA.14+40
AND STA.77+40 TO STA.81+50
(e = 6% MAX.)

**USE 3:1 BACKSLOPES IN SECTIONS WHERE DEPTH OF CUT IS GREATER THAN 5 FEET.
STA.22+50 LT.TO 24+00 LT.
STA.69+00 RT.TO 70+50 RT.
STA.73+00 LT.TO 73+57 LT.

***CLEAR ZONE IS 24' FROM STA.10+76 RT.TO 12+40 RT.

LEGEND

- (A) ITEM 760507 - PROFILE MILLING, HOT-MIX
- (B) ITEM 401XXX - SUPERPAVE, TYPE C HOT-MIX, XXX GYRATIONS, PG XX-XX
- (C) ITEM 401XXX - SUPERPAVE, TYPE B HOT-MIX, XXX GYRATIONS, PG XX-XX
- (D) ITEM 401XXX - SUPERPAVE, BITUMINOUS CONCRETE BASE COURSE XXX GYRATIONS, PG XX-XX
- (E) ITEM 302005 - GRADED AGGREGATE BASE COURSE, TYPE B
- (F) ITEM 401XXX - SUPERPAVE, TYPE C HOT-MIX, XXX GYRATIONS, PG XX-XX PATCHING
- (G) ITEM 401XXX - SUPERPAVE, TYPE B HOT-MIX, XXX GYRATIONS, PG XX-XX PATCHING
- (H) ITEM 732002 - TOPSOIL, 6" DEPTH OR
  ITEM 733002 - TOPSOILING, 6" DEPTH
  ITEM 734016 - PERMANENT GRASS SEEDING, SUBDIVISION
  ITEM 735534 - SOIL RETENTION BLANKET MULCH, TYPE 4
- (J) DITCH STABILIZATION
  ITEM 732002 - TOPSOIL, 6" DEPTH OR
  ITEM 733002 - TOPSOILING, 6" DEPTH
  ITEM 734016 - PERMANENT GRASS SEEDING, SUBDIVISION
  ITEM 735534 - SOIL RETENTION BLANKET MULCH, TYPE 5
- (K) ITEM 209001 - BORROW, TYPE A (UNDER ROADWAY FOOTPRINT)
  ITEM 209006 - BORROW, TYPE F (OUTSIDE OF ROADWAY FOOTPRINT)

NOTES:

1. THE MAXIMUM LIFTS FOR THE INDIVIDUAL PAVING MATERIALS ARE AS FOLLOWS:
   SUPERPAVE, TYPE C HOT-MIX - 2"
   SUPERPAVE, TYPE B HOT-MIX - 3"
   SUPERPAVE BIT. CONC. BASE COURSE - 6"
   GRADED AGGREGATE BASE COURSE - 8"

2. BASED ON THE PROPOSED PROFILE, SEVERAL SECTIONS OF EXISTING PAVEMENT COULD BE MILLED AND OVERLAID. AS A CONSERVATIVE APPROACH, THE CONCEPT PLAN ASSUMES THAT OLD PORTER ROAD WILL BE RE-CONSTRUCTED FOR THE ENTIRE LENGTH.

CHKD. _____ DESIGN _____ PREL. TRACING _____

2/14/2005

PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
(A)	WHITE ALKYD THERMOPLASTIC. PERMANENT PAVEMENT STRIPING SYMBOL/LEGEND (ITEM 748015)	XX LF
(B)	4" SOLID WHITE EPOXY RESIN PAINT PERMANENT PAVEMENT STRIPING (ITEM 748506)	XX LF
(D)	4" SOLID YELLOW EPOXY RESIN PAINT, PERMANENT PAVEMENT STRIPING (ITEM 748506)	XX LF

CURB SCHEDULE		
NO.	TYPE	LENGTH
1	PCC CURB TYPE 2	X

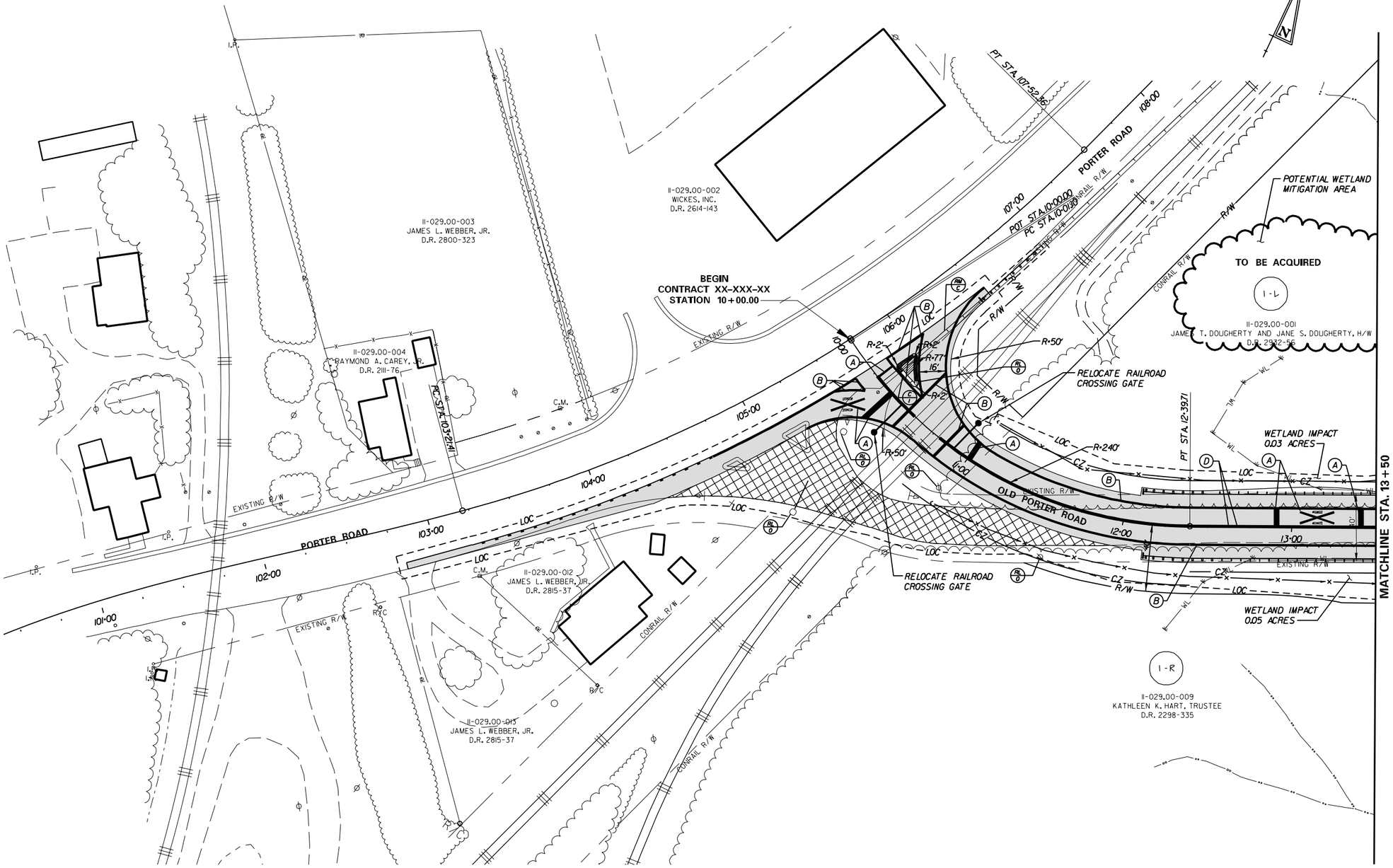
CONCEPT PLAN

SCALE
0 30 60 90
FEET

CONTRACT	COUNTY	F.A.P. NO.	SHEET NO.	TOTAL SHTS.
XX-XXX-XX	NEW CASTLE	SEE TITLE SHEET	5	18

OLD PORTER ROAD, PORTER ROAD TO SR 71

REVISIONS	



PREL. TRACING _____ DESIGN _____ CHKD. _____

2/14/2005

2/14/2005

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CONTRACT	COUNTY	F.A.P. NO.	SHEET NO.	TOTAL SHTS.
XX-XXX-XX	NEW CASTLE	SEE TITLE SHEET	6	18

OLD PORTER ROAD, PORTER ROAD TO SR 71

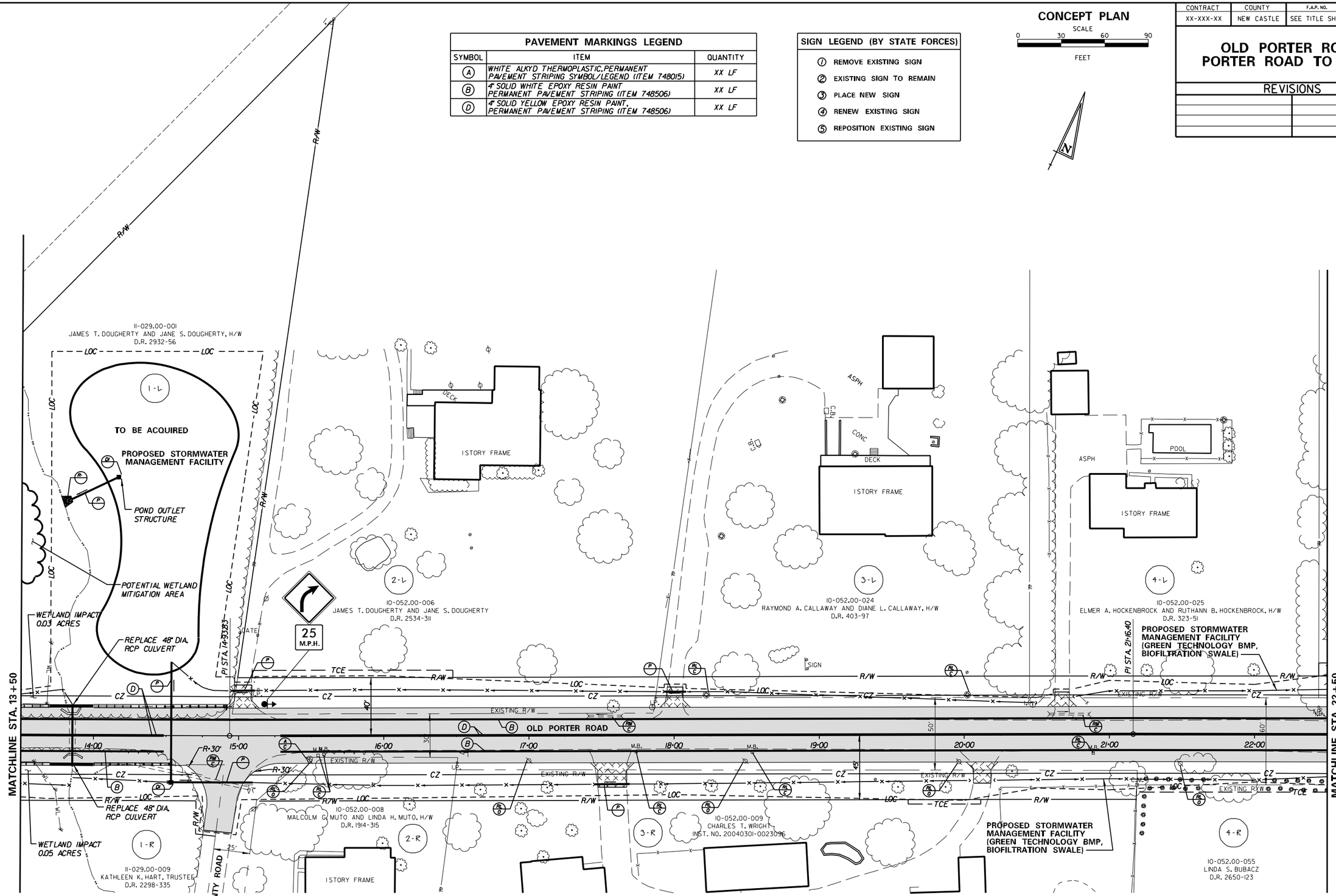
REVISIONS

CONCEPT PLAN

SCALE 0 30 60 90 FEET

PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
(A)	WHITE ALKYD THERMOPLASTIC, PERMANENT PAVEMENT STRIPING SYMBOL/LEGEND (ITEM 748015)	XX LF
(B)	4" SOLID WHITE EPOXY RESIN PAINT PERMANENT PAVEMENT STRIPING (ITEM 748506)	XX LF
(D)	4" SOLID YELLOW EPOXY RESIN PAINT, PERMANENT PAVEMENT STRIPING (ITEM 748506)	XX LF

SIGN LEGEND (BY STATE FORCES)
(1) REMOVE EXISTING SIGN
(2) EXISTING SIGN TO REMAIN
(3) PLACE NEW SIGN
(4) RENEW EXISTING SIGN
(5) REPOSITION EXISTING SIGN



PREL. TRACING DESIGN CHKD.

2/14/2005

2/14/2005

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PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
(A)	WHITE ALKYD THERMOPLASTIC, PERMANENT PAVEMENT STRIPING SYMBOL/LEGEND (ITEM 748015)	XX LF
(B)	4" SOLID WHITE EPOXY RESIN PAINT PERMANENT PAVEMENT STRIPING (ITEM 748506)	XX LF
(D)	4" SOLID YELLOW EPOXY RESIN PAINT. PERMANENT PAVEMENT STRIPING (ITEM 748506)	XX LF

CURB SCHEDULE		
NO.	TYPE	LENGTH
2	PCC CURB TYPE 2	X

CONCEPT PLAN

SCALE

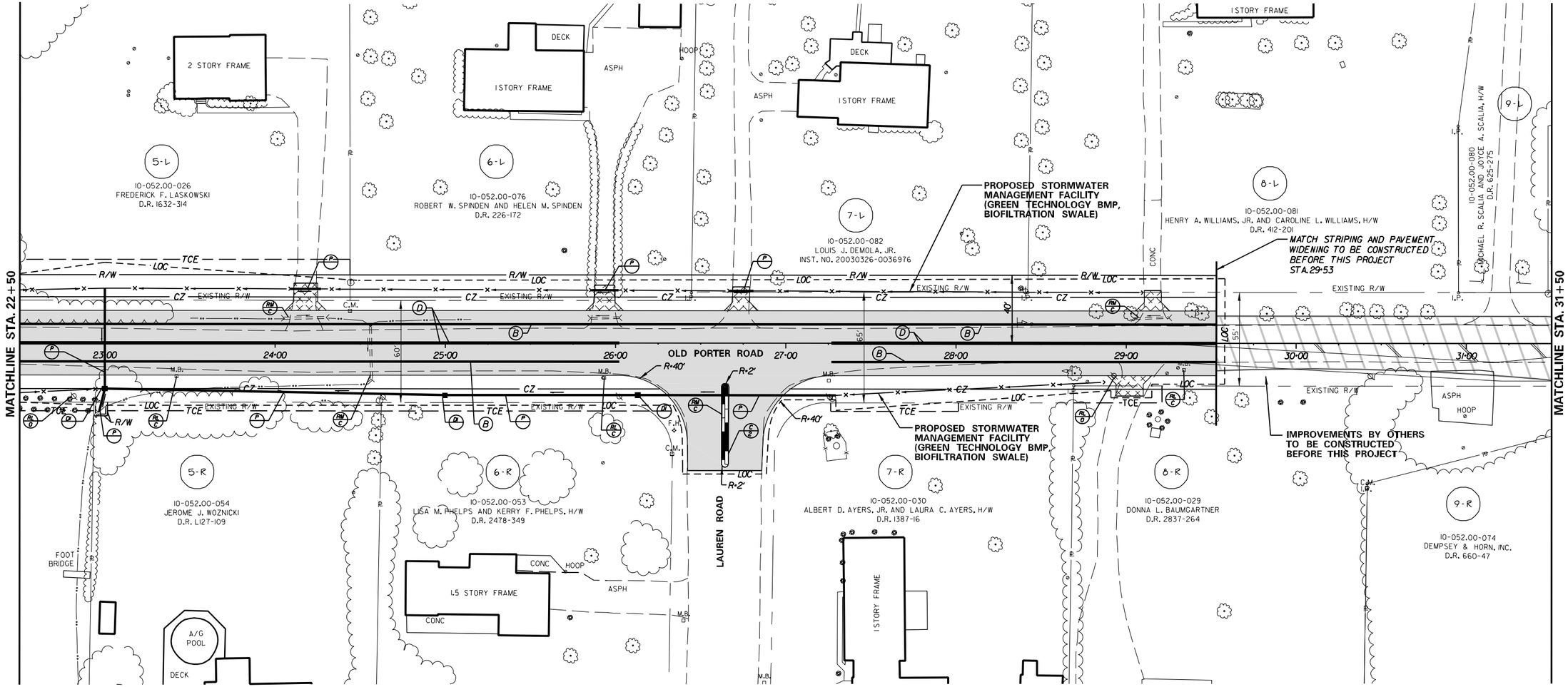
0 30 60 90

FEET

CONTRACT	COUNTY	F.A.P. NO.	SHEET NO.	TOTAL SHTS.
XX-XXX-XX	NEW CASTLE	SEE TITLE SHEET	7	18

OLD PORTER ROAD, PORTER ROAD TO SR 71

REVISIONS



DESIGN

CHKD.

PREL. TRACING

2/14/2005

2/14/2005

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CONTRACT	COUNTY	F.A.P. NO.	SHEET NO.	TOTAL SHTS.
XX-XXX-XX	NEW CASTLE	SEE TITLE SHEET	8	18

OLD PORTER ROAD, PORTER ROAD TO SR 71

REVISIONS

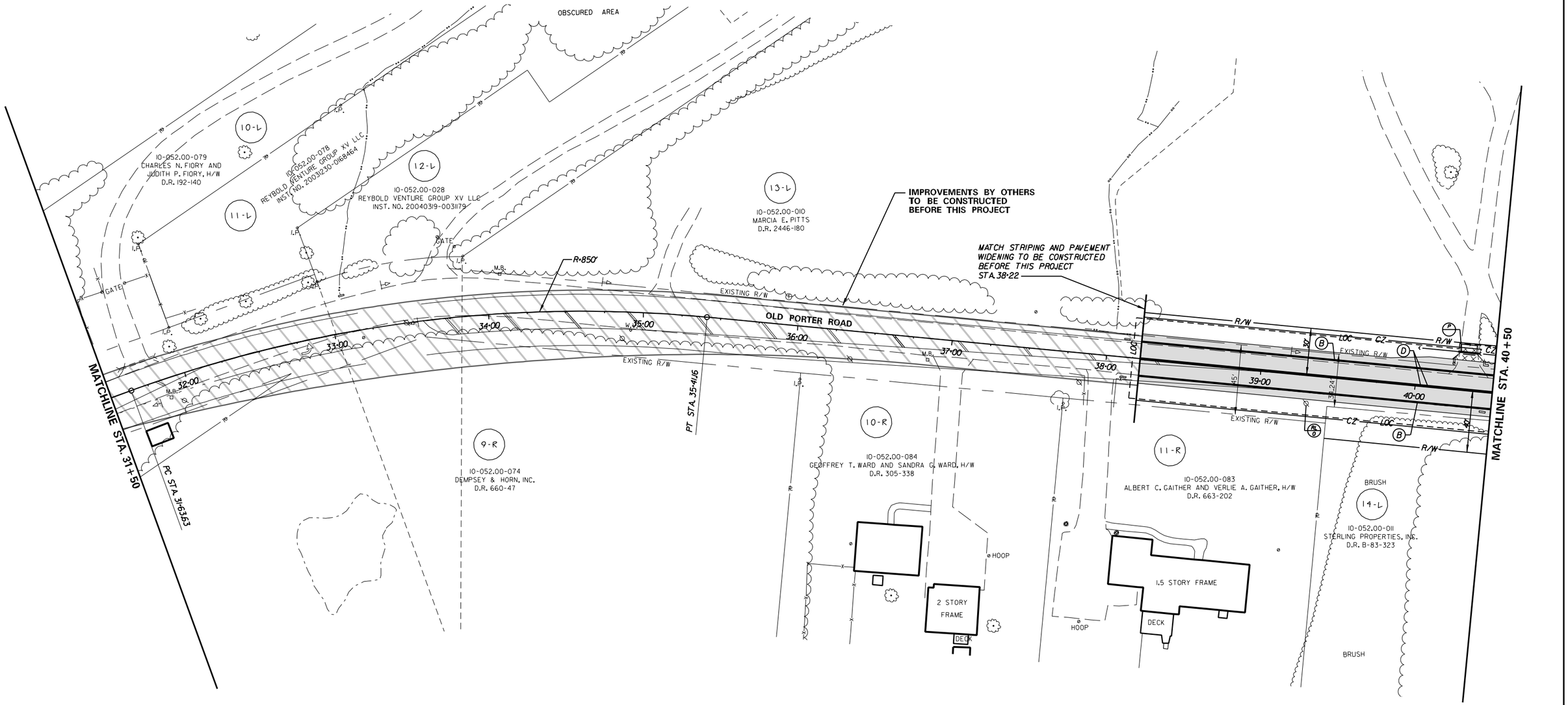
CONCEPT PLAN

SCALE

0 30 60 90

FEET

PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
(A)	WHITE ALKYD THERMOPLASTIC, PERMANENT PAVEMENT STRIPING SYMBOL/LEGEND (ITEM 748015)	XX LF
(B)	4" SOLID WHITE EPOXY RESIN PAINT PERMANENT PAVEMENT STRIPING (ITEM 748506)	XX LF
(D)	4" SOLID YELLOW EPOXY RESIN PAINT, PERMANENT PAVEMENT STRIPING (ITEM 748506)	XX LF



PREL. TRACING _____ DESIGN _____ CHKD. _____

2/14/2005

2/14/2005

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CONTRACT	COUNTY	F.A.P. NO.	SHEET NO.	TOTAL SHTS.
XX-XXX-XX	NEW CASTLE	SEE TITLE SHEET	9	18

OLD PORTER ROAD, PORTER ROAD TO SR 71

REVISIONS

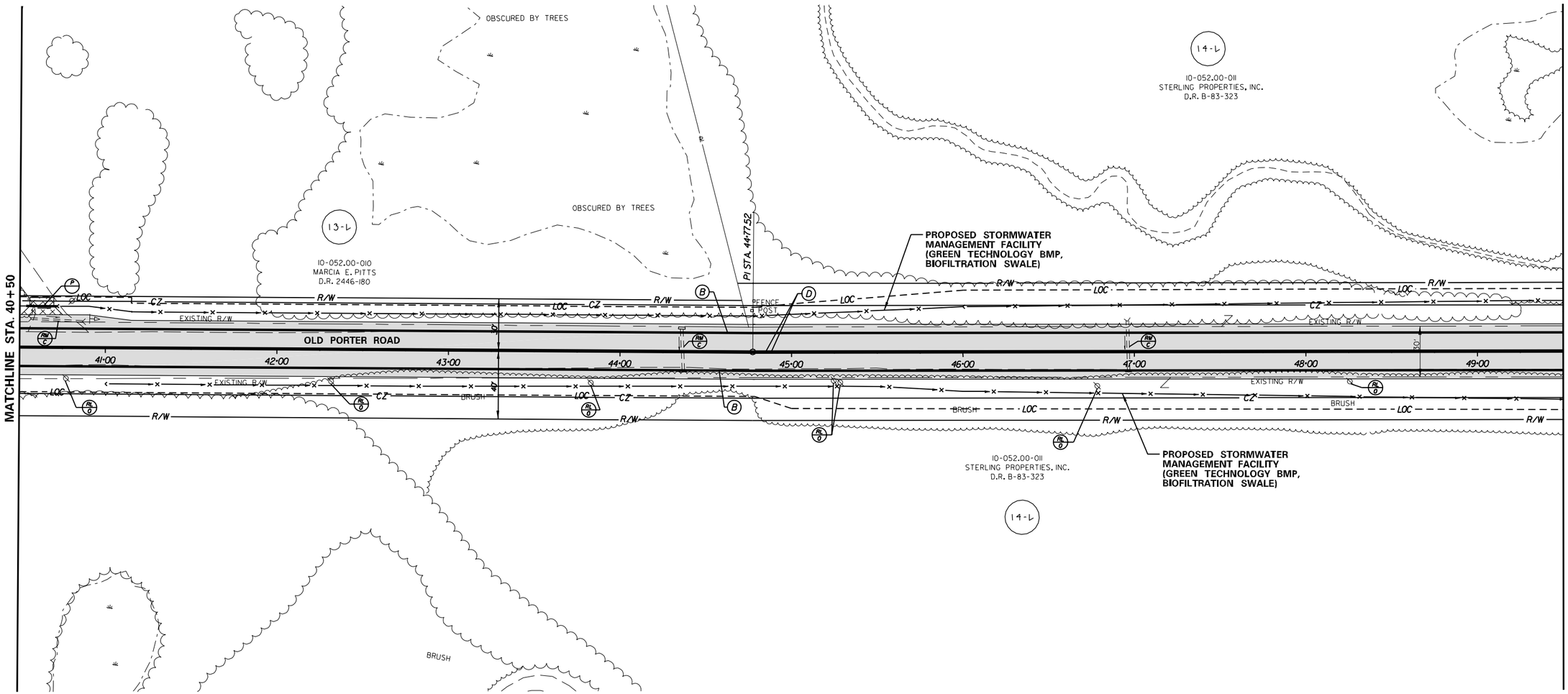
CONCEPT PLAN

SCALE

0 30 60 90

FEET

PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
(A)	WHITE, ALKYD THERMOPLASTIC, PERMANENT PAVEMENT STRIPING SYMBOL/LEGEND (ITEM 748015)	XX LF
(B)	4" SOLID WHITE EPOXY RESIN PAINT PERMANENT PAVEMENT STRIPING (ITEM 748506)	XX LF
(D)	4" SOLID YELLOW EPOXY RESIN PAINT, PERMANENT PAVEMENT STRIPING (ITEM 748506)	XX LF



DESIGN

CHKD.

PREL. TRACING

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CONTRACT	COUNTY	F.A.P. NO.	SHEET NO.	TOTAL SHTS.
XX-XXX-XX	NEW CASTLE	SEE TITLE SHEET	10	18

OLD PORTER ROAD, PORTER ROAD TO SR 71

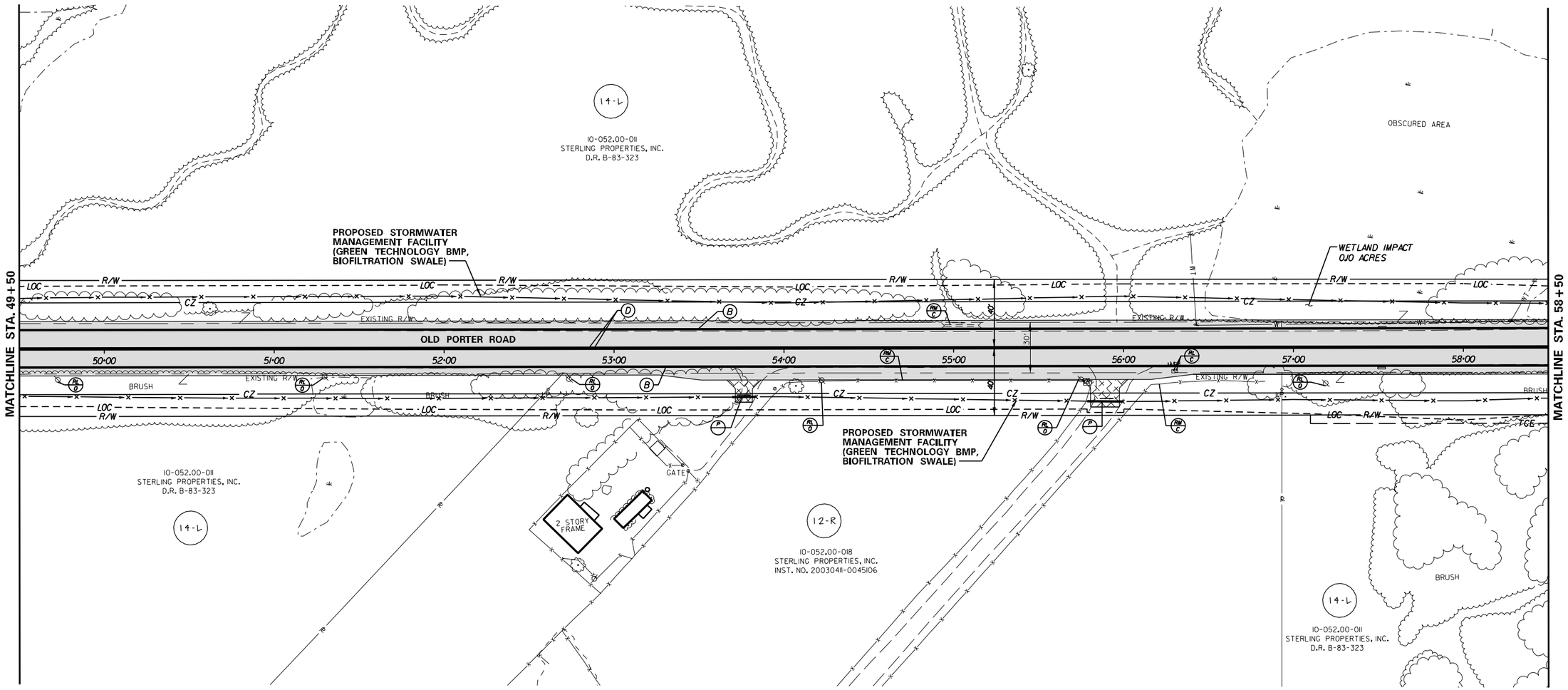
REVISIONS

CONCEPT PLAN

SCALE 0 30 60 90 FEET

N

PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
A	WHITE ALKYD THERMOPLASTIC, PERMANENT PAVEMENT STRIPING SYMBOL/LEGEND (ITEM 748015)	XX LF
B	4" SOLID WHITE EPOXY RESIN PAINT PERMANENT PAVEMENT STRIPING (ITEM 748506)	XX LF
D	4" SOLID YELLOW EPOXY RESIN PAINT, PERMANENT PAVEMENT STRIPING (ITEM 748506)	XX LF



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CONTRACT	COUNTY	F.A.P. NO.	SHEET NO.	TOTAL SHTS.
XX-XXX-XX	NEW CASTLE	SEE TITLE SHEET	11	18

OLD PORTER ROAD, PORTER ROAD TO SR 71

REVISIONS	

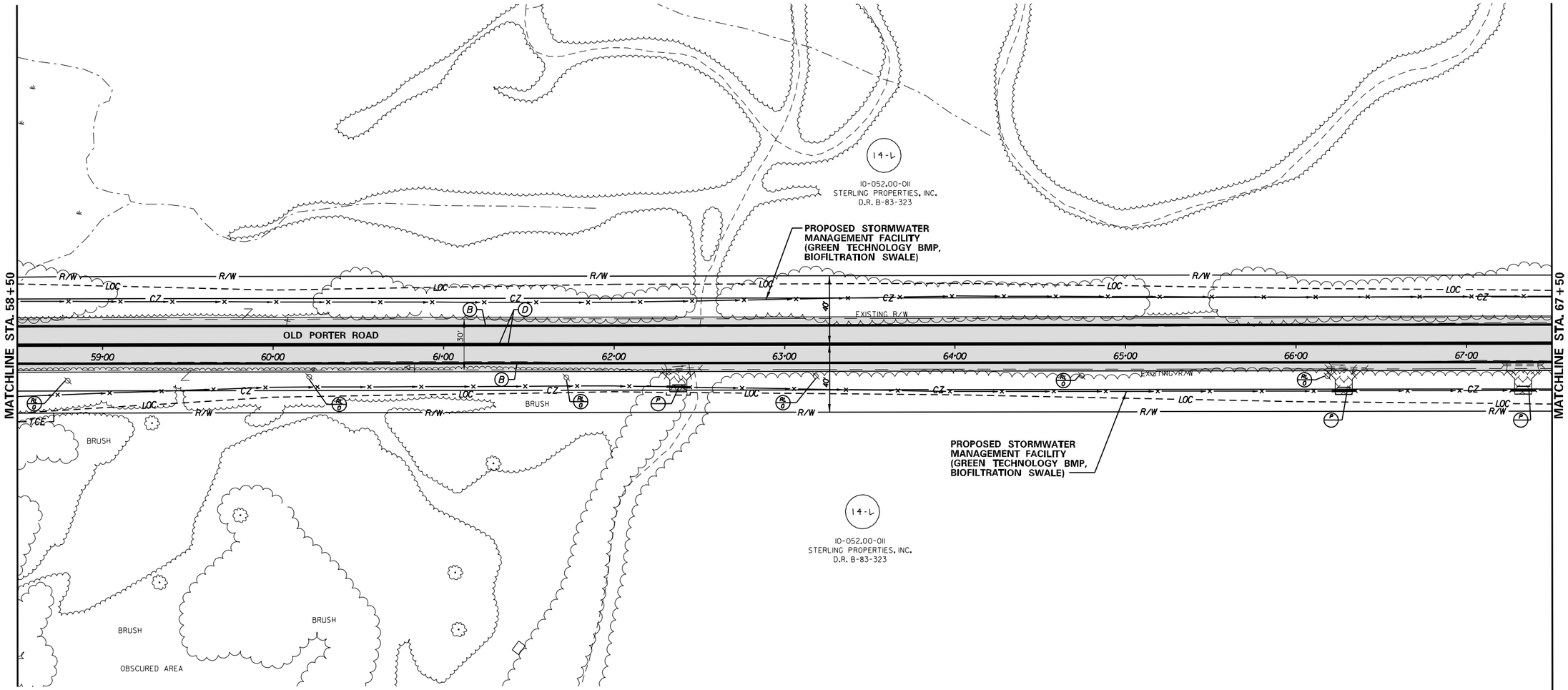
CONCEPT PLAN

SCALE

0 30 60 90

FEET

PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
(A)	WHITE ALKYD THERMOPLASTIC, PERMANENT PAVEMENT STRIPING SYMBOL/LEGEND (ITEM 748015)	XX LF
(B)	4" SOLID WHITE EPOXY RESIN PAINT PERMANENT PAVEMENT STRIPING (ITEM 748506)	XX LF
(D)	4" SOLID YELLOW EPOXY RESIN PAINT, PERMANENT PAVEMENT STRIPING (ITEM 748506)	XX LF



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2/14/2005

2/14/2005

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PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
(A)	WHITE ALKYD THERMOPLASTIC, PERMANENT PAVEMENT STRIPING SYMBOL/LEGEND (ITEM 748015)	XX LF
(B)	4" SOLID WHITE EPOXY RESIN PAINT PERMANENT PAVEMENT STRIPING (ITEM 748506)	XX LF
(D)	4" SOLID YELLOW EPOXY RESIN PAINT, PERMANENT PAVEMENT STRIPING (ITEM 748506)	XX LF

CONCEPT PLAN

SCALE

0 30 60 90

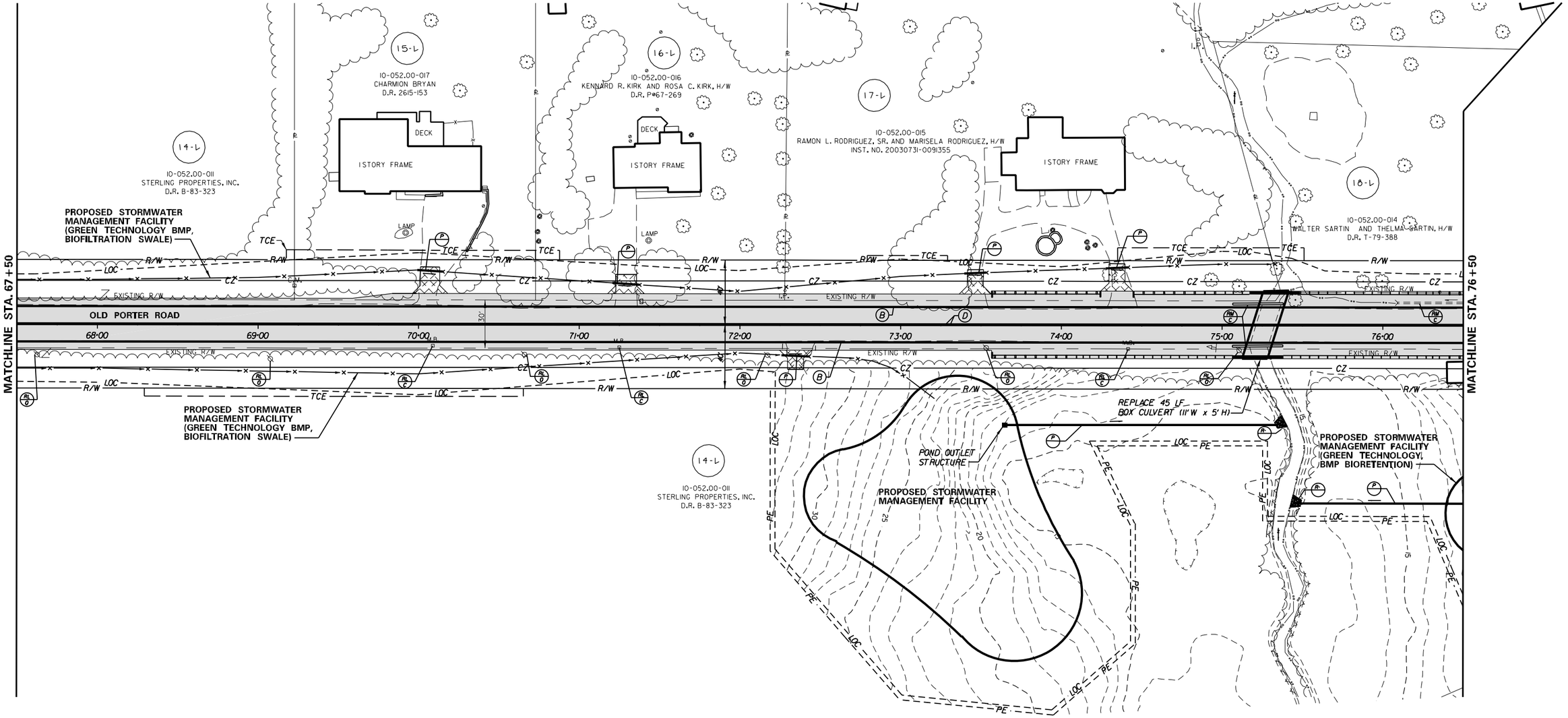
FEET

N

CONTRACT	COUNTY	F.A.P. NO.	SHEET NO.	TOTAL SHTS.
XX-XXX-XX	NEW CASTLE	SEE TITLE SHEET	12	18

OLD PORTER ROAD, PORTER ROAD TO SR 71

REVISIONS	



PREL. TRACING ____ DESIGN ____ CHKD. ____

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CONTRACT	COUNTY	F.A.P. NO.	SHEET NO.	TOTAL SHTS.
XX-XXX-XX	NEW CASTLE	SEE TITLE SHEET	13	18

OLD PORTER ROAD, PORTER ROAD TO SR 71

REVISIONS

PAVEMENT MARKINGS LEGEND

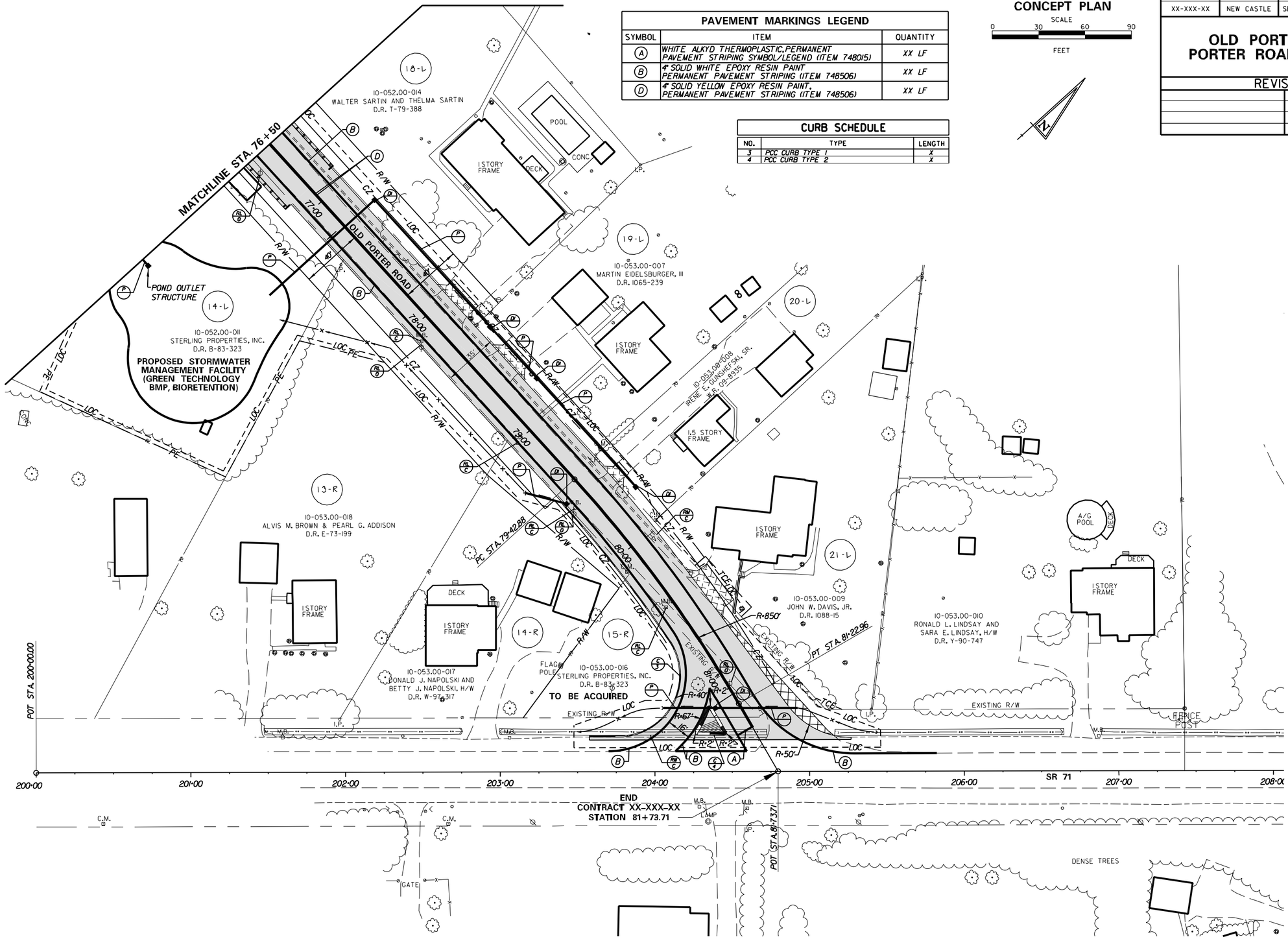
SYMBOL	ITEM	QUANTITY
(A)	WHITE ALKYD THERMOPLASTIC, PERMANENT PAVEMENT STRIPING SYMBOL/LEGEND (ITEM 748015)	XX LF
(B)	4" SOLID WHITE EPOXY RESIN PAINT PERMANENT PAVEMENT STRIPING (ITEM 748506)	XX LF
(D)	4" SOLID YELLOW EPOXY RESIN PAINT, PERMANENT PAVEMENT STRIPING (ITEM 748506)	XX LF

CURB SCHEDULE

NO.	TYPE	LENGTH
3	PCC CURB TYPE 1	X
4	PCC CURB TYPE 2	X

CONCEPT PLAN

SCALE
0 30 60 90
FEET



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2/14/2005

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CONTRACT	COUNTY	F.A.P. NO.	SHEET NO.	TOTAL SHTS.
XX-XXX-XX	NEW CASTLE	SEE TITLE SHEET	14	18

OLD PORTER ROAD, PORTER ROAD TO SR 71

REVISIONS

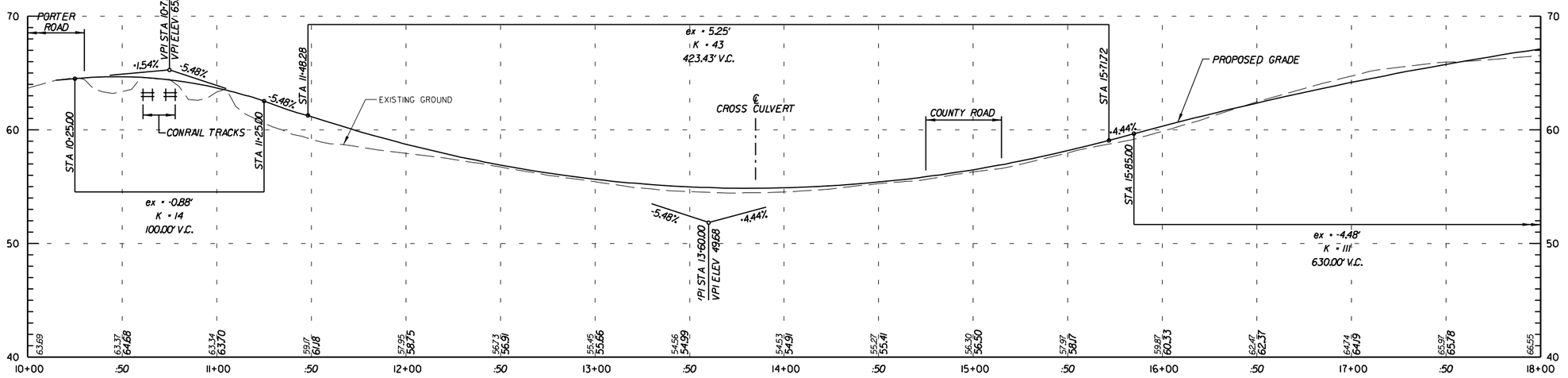
PROFILES

SCALE

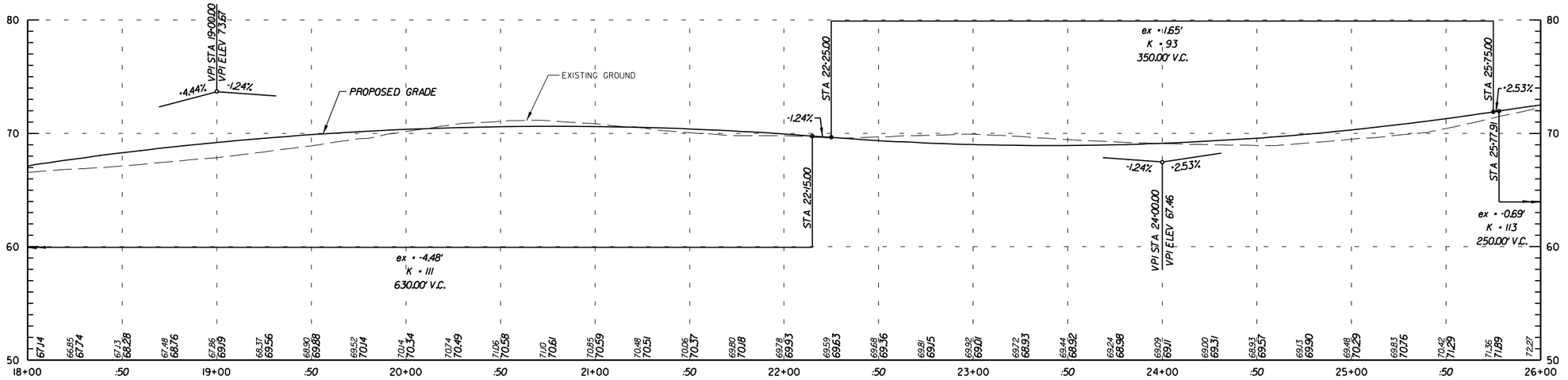
0 30 60 90

FEET

10 5 0



OLD PORTER ROAD



OLD PORTER ROAD

DESIGN ____ CHKD. ____

PREL. TRACING ____

2/14/2005

2/14/2005

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PROFILES

SCALE

0 30 60 90

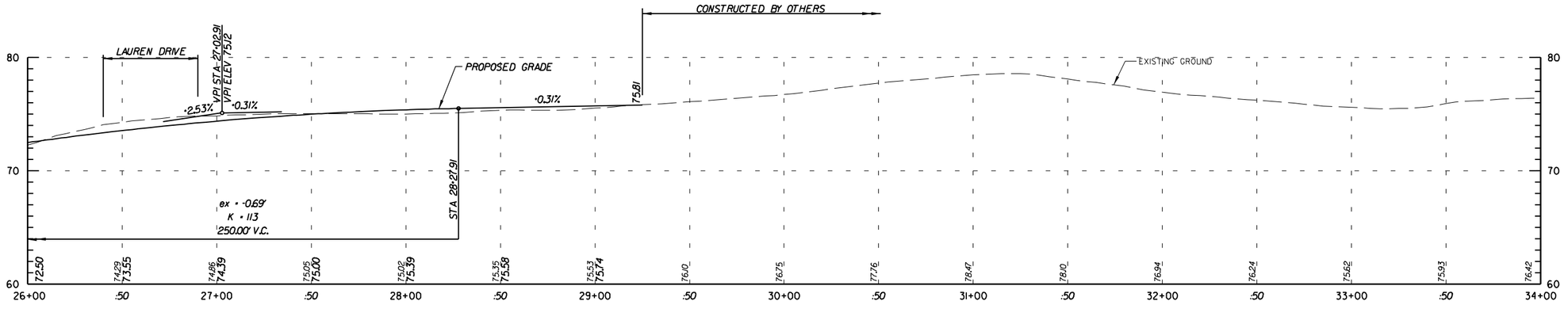
FEET

10 5 0

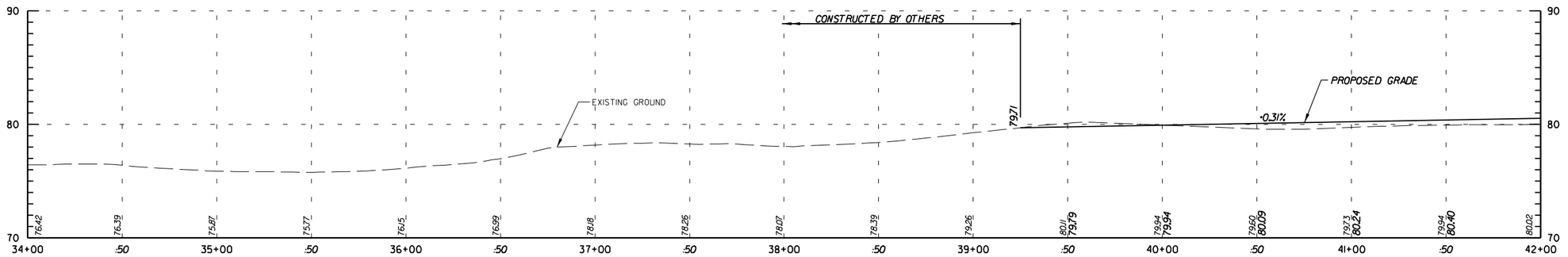
CONTRACT	COUNTY	F.A.P. NO.	SHEET NO.	TOTAL SHTS.
XX-XXX-XX	NEW CASTLE	SEE TITLE SHEET	15	18

OLD PORTER ROAD, PORTER ROAD TO SR 71

REVISIONS



OLD PORTER ROAD



OLD PORTER ROAD

CHKD.

DESIGN

PREL. TRACING

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CONTRACT	COUNTY	F.A.P. NO.	SHEET NO.	TOTAL SHTS.
XX-XXX-XX	NEW CASTLE	SEE TITLE SHEET	16	18

OLD PORTER ROAD, PORTER ROAD TO SR 71

REVISIONS

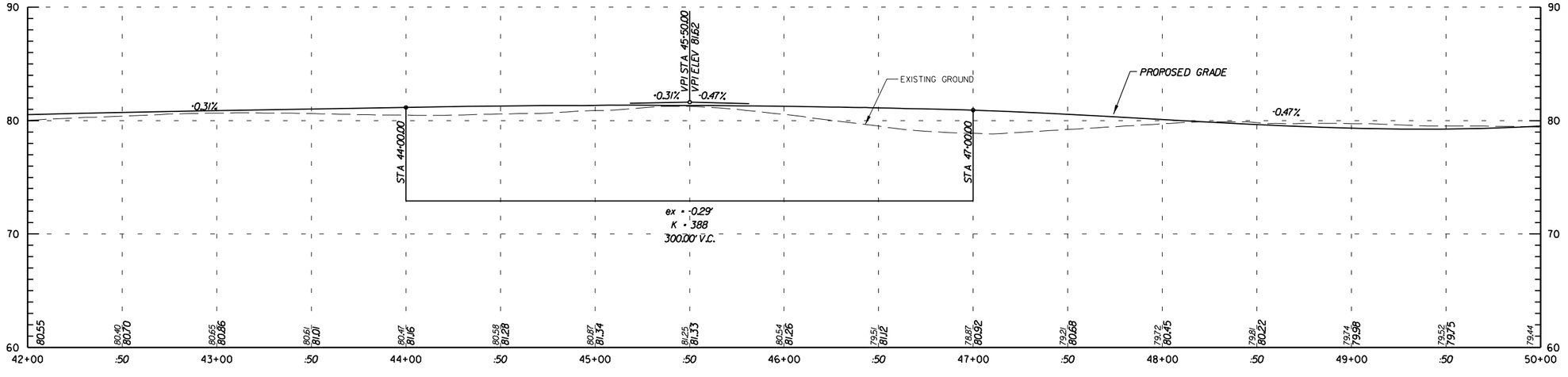
PROFILES

SCALE

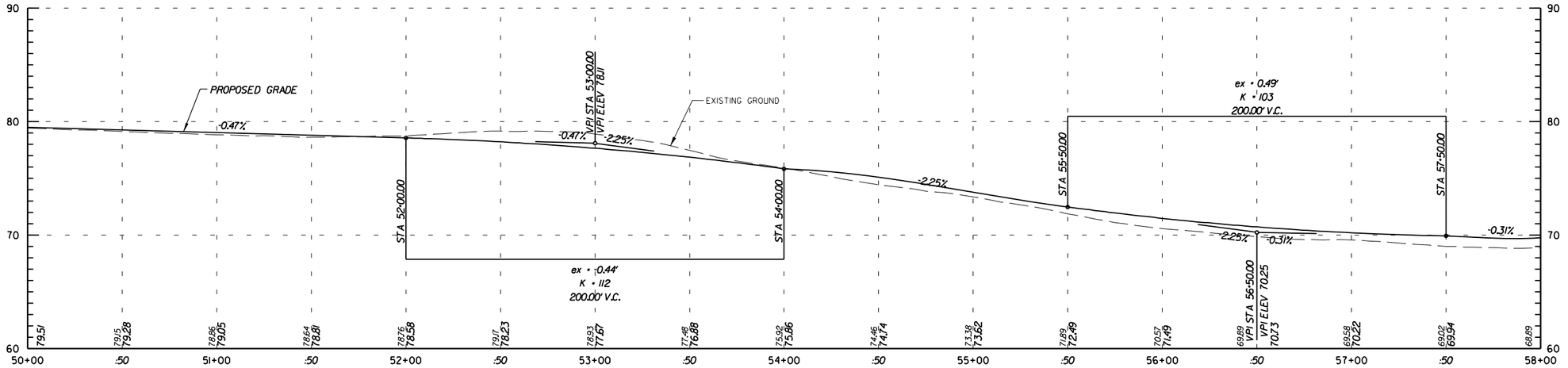
0 30 60 90

FEET

10 5 0



OLD PORTER ROAD



OLD PORTER ROAD

PREL. TRACING ____ DESIGN ____ CHKD. ____

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2/14/2005

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CONTRACT	COUNTY	F.A.P. NO.	SHEET NO.	TOTAL SHTS.
XX-XXX-XX	NEW CASTLE	SEE TITLE SHEET	17	18

OLD PORTER ROAD, PORTER ROAD TO SR 71

REVISIONS

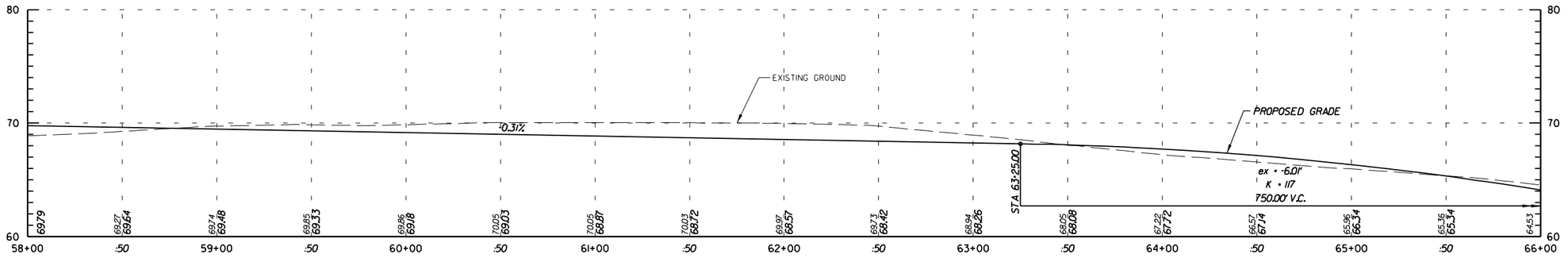
PROFILES

SCALE

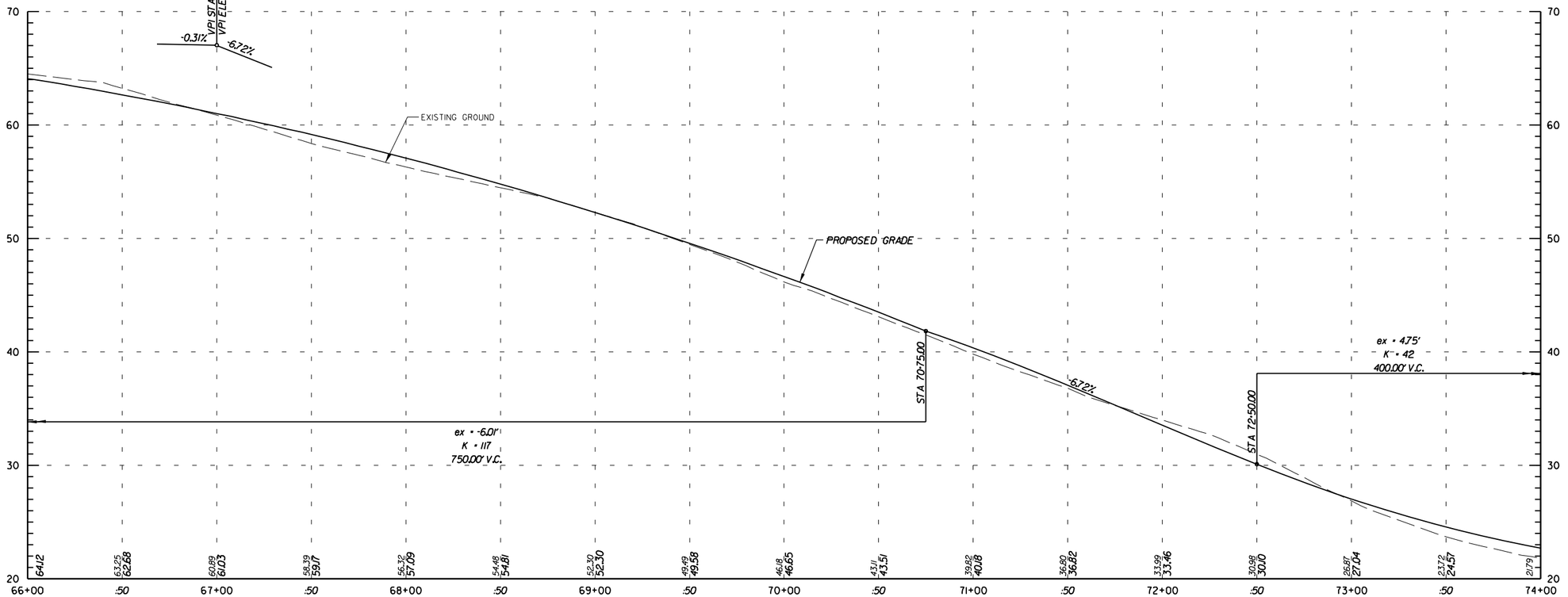
0 30 60 90

FEET

10 5 0



OLD PORTER ROAD



OLD PORTER ROAD

PREL. TRACING ____ DESIGN ____ CHKD. ____

2/14/2005

2/14/2005

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CONTRACT	COUNTY	F.A.P. NO.	SHEET NO.	TOTAL SHTS.
XX-XXX-XX	NEW CASTLE	SEE TITLE SHEET	18	18

OLD PORTER ROAD, PORTER ROAD TO SR 71

REVISIONS

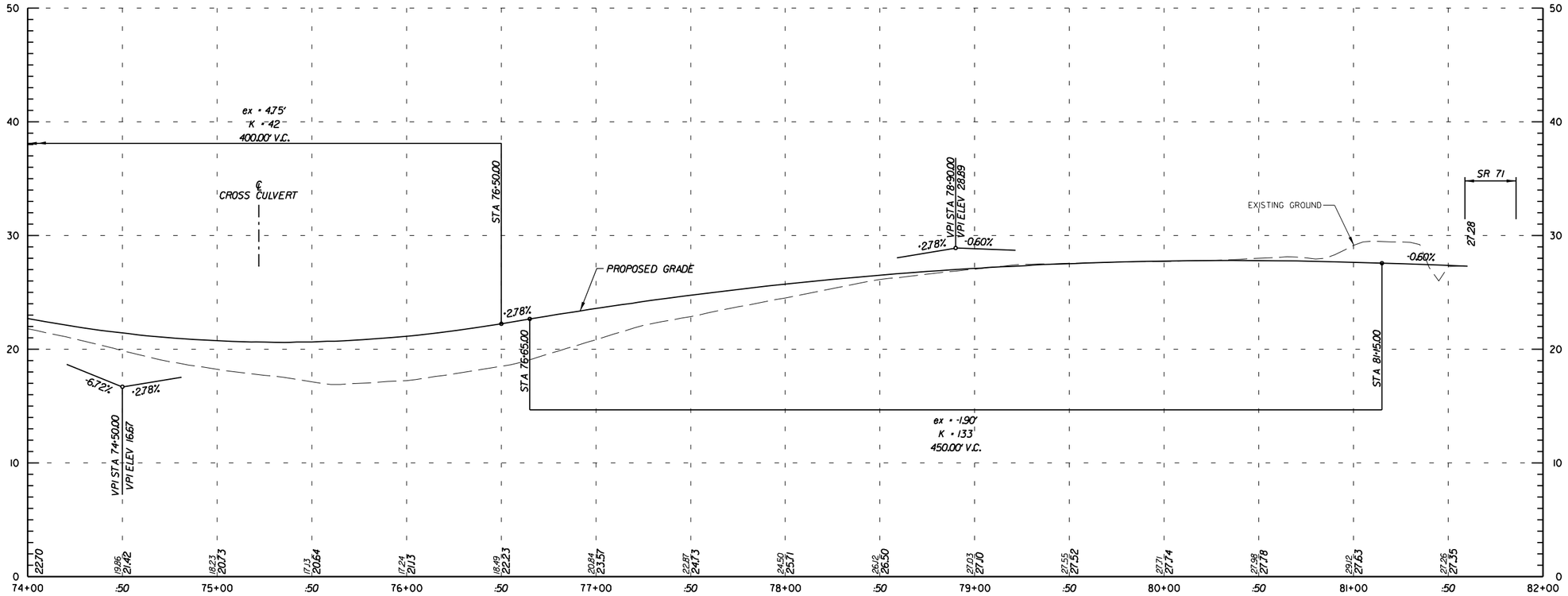
PROFILES

SCALE

0 30 60 90

FEET

10 5 0



OLD PORTER ROAD

PREL. TRACING _____ DESIGN _____ CHKD. _____

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