

GWINNETT PLACE

COMMUNITY IMPROVEMENT DISTRICT

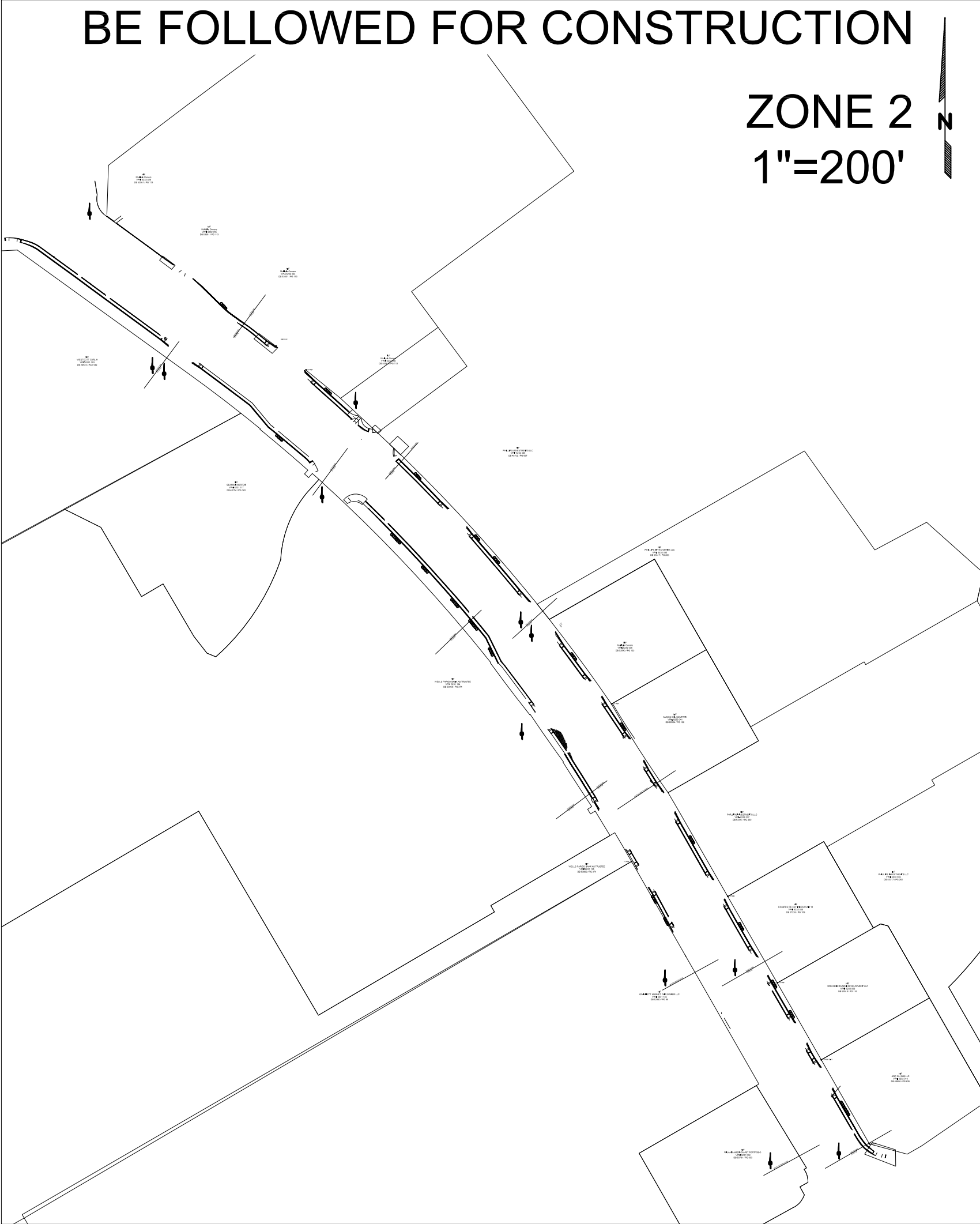
CONSTRUCTION PLANS FOR PLEASANT HILL ROAD SIDEWALKS

NOTE: COVER SHEET PLANS ARE NOT TO
BE FOLLOWED FOR CONSTRUCTION



THE DATA, TOGETHER WITH ALL OTHER INFORMATION SHOWN ON THESE PLANS, OR IN ANY WAY INDICATED THEREBY, WHETHER BY DRAWINGS OR NOTES, OR IN ANY OTHER MANNER ARE BASED UPON FIELD INVESTIGATIONS AND ARE BELIEVED TO BE INDICATIVE OF ACTUAL CONDITIONS. HOWEVER, THE SAME ARE SHOWN AS INFORMATION ONLY AND ARE NOT GUARANTEED AND DO NOT BIND THE DEPARTMENT OF TRANSPORTATION IN ANY WAY.

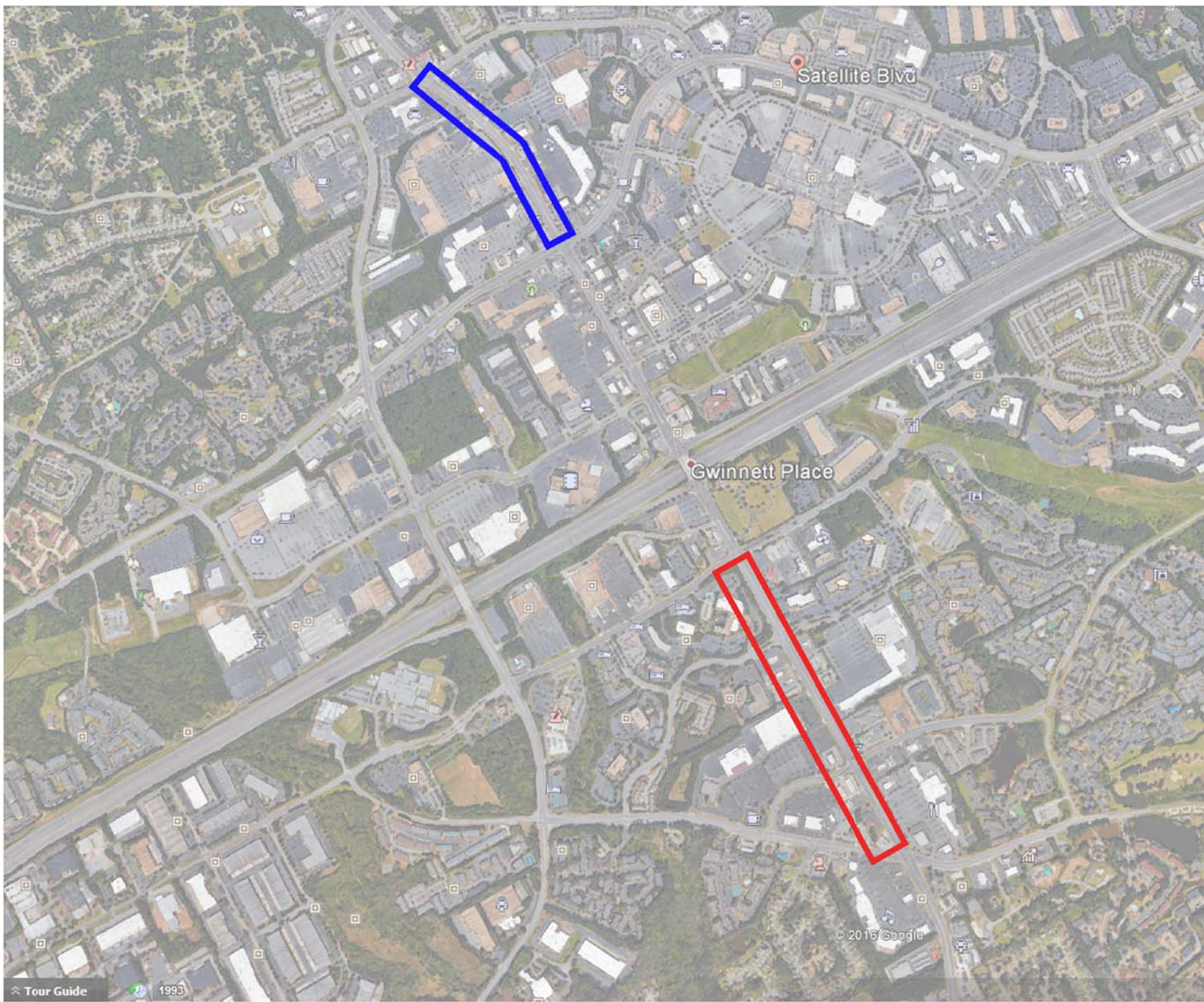
NOTE: COVER SHEET PLANS ARE NOT TO
BE FOLLOWED FOR CONSTRUCTION



ZONE 1:South side of Pleasant Hill Rd, starting at the intersection of Shackelford Rd and Pleasant Hill Rd, traveling south to the intersection of Pleasant Hill Rd and Club Dr.

ZONE 2:Pleasant Hill Rd, starting at the intersection of Old Norcross Rd and Pleasant Hill Rd, traveling south to the intersection of Pleasant Hill Rd and Satellite Blvd

Phase 1 Vicinity Map - N.T.S.



Zone 1: Southside of Pleasant Hill Rd: intersection of Shackelford Rd., south to Club Dr.

Zone 2: Southside of Pleasant Hill Rd.: intersection of Old Norcross Rd. and Pleasant Hill Rd., south to intersection of Satellite Blvd.

MA Moreland Altobelli Associates, Inc.
HQ: 2450 Commerce Ave NW #100
Duluth, GA 30096 Date: 8.4.17

SPECIFICATION NOTE:
PROJECT TO BE CONSTRUCTED AS PER GEORGIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS CURRENT EDITION AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION AND AS MODIFIED BY CONTRACT DOCUMENTS. NOTE: THESE PLANS ARE IN ENGLISH UNITS
THIS PROJECT IS LOCATED 100% IN GWINNETT COUNTY

INVENTORY:

PAGE NUMBERS:

COVER SHEET

C1

PHASE 1:
SURVEY, ESC, HARDSCAPE AND PLANTING PLANS FOR ZONE 1:
(PLEASANT HILL RD: INTERSECTIONS OF SHACKELFORD RD,
SOUTH TO CLUB DR.)

SURVEY: S 1.1 - 1.6
PHASE 1 ESC: P1 1.1 - 1.6
PHASE 2 ESC: P2 1.1 - 1.6
LANDSCAPE/HARDSCAPE: 1.1 - 1.6

PHASE 1:
SURVEY, ESC, HARDSCAPE AND PLANTING PLANS FOR ZONE 2:
(PLEASANT HILL RD: INTERSECTIONS OF OLD
NORCROSS RD. AND PLEASANT HILL RD., SOUTH
TO INTERSECTION OF SATELLITE BLVD.)

SURVEY: S 2.1 - 2.7
PHASE 1 ESC: P1 2.1 - 2.7
PHASE 2 ESC: P2 2.1 - 2.7
LANDSCAPE/HARDSCAPE: 2.1 - 2.7

CONSTRUCTION DETAILS & GENERAL NOTES

D1 - D4, GN

PLANTING SCHEDULE & QUANTITIES

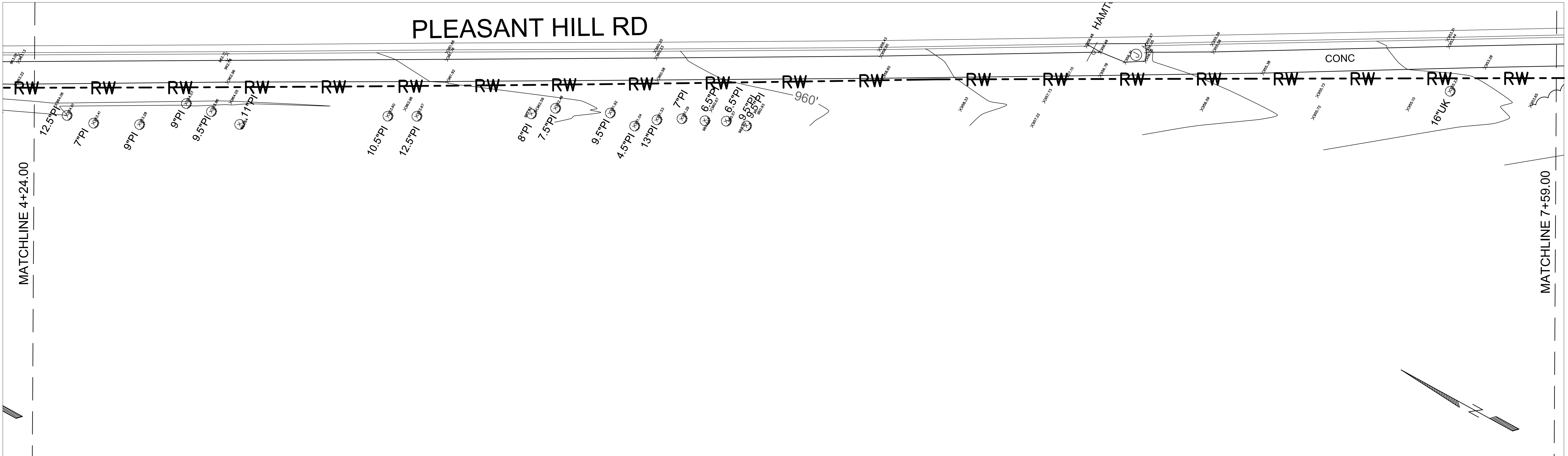
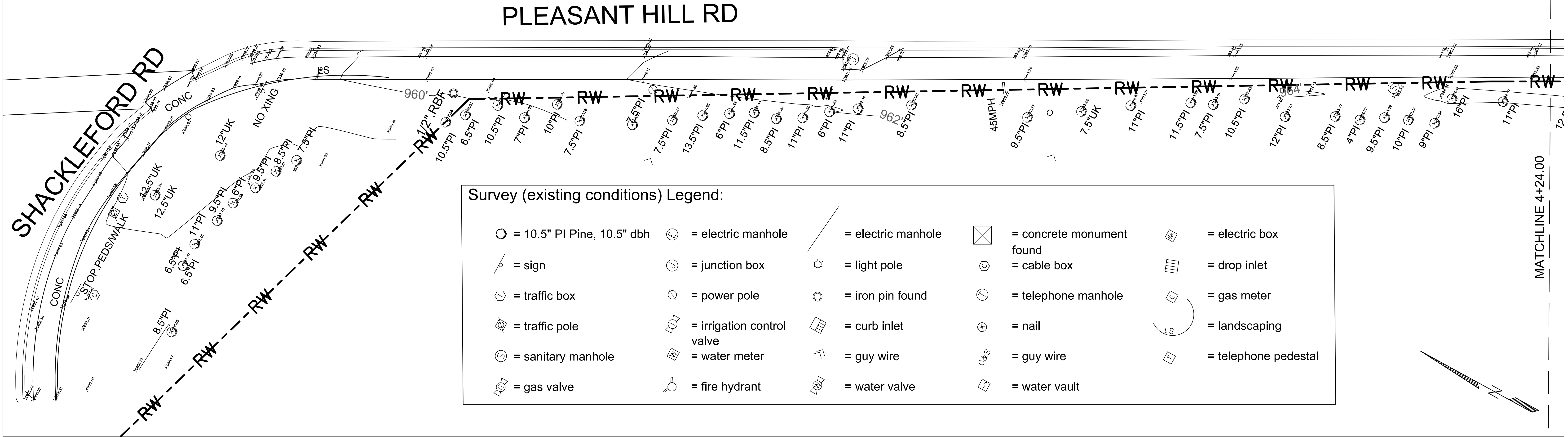
PL

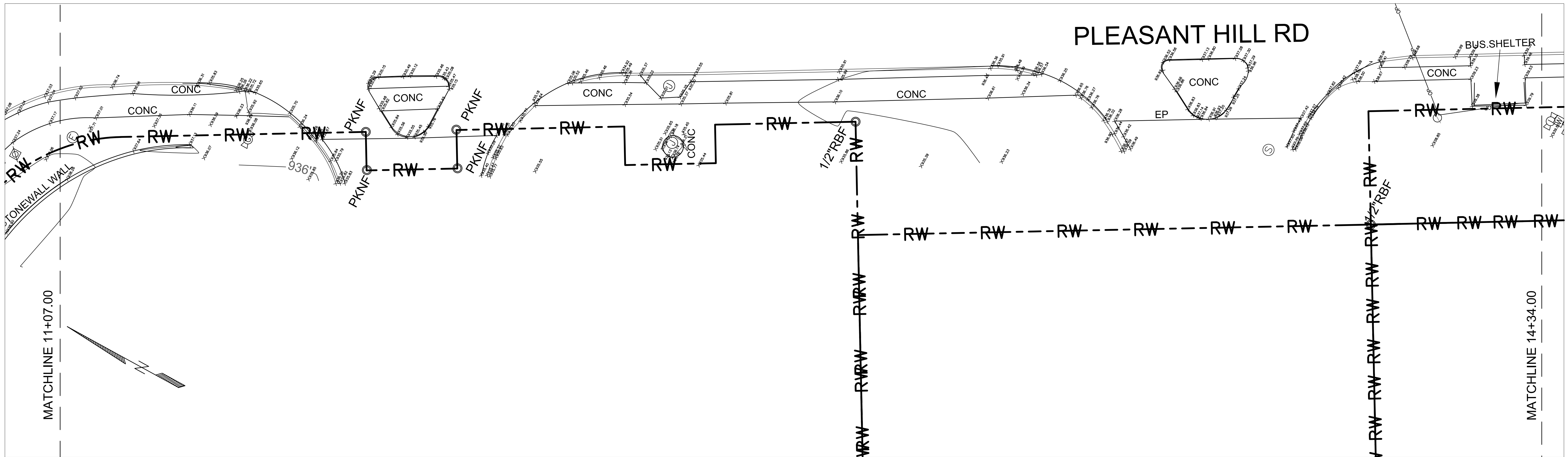
GDOT ACCESSIBILITY STANDARDS

A3 - A4, T-11A - T-11B, 9032B

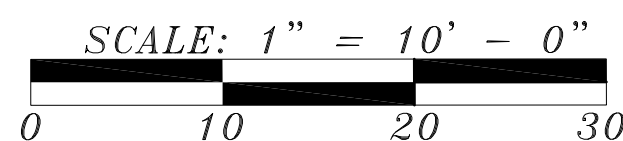
SPONSOR/ OWNER:

GWINNETT PLACE CID
JOE ALLEN
3700 CRESTWOOD PKWY
SUITE 680
DULUTH, GEORGIA 30096
PH: 678 - 924 - 8171





MA Moreland Altobelli Associates, Inc.
 Engineering Planning Landscape Architecture Land Acquisition Surveying
 2450 Commerce Ave Ste 100
 Duluth, GA 30096-8910
 770/263-5945

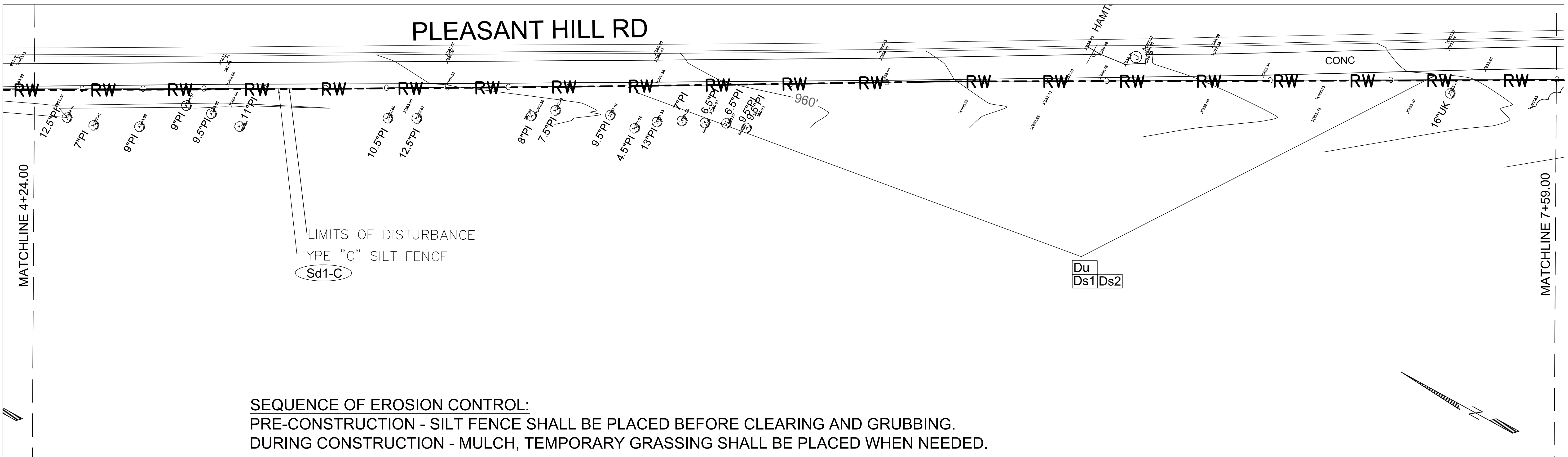
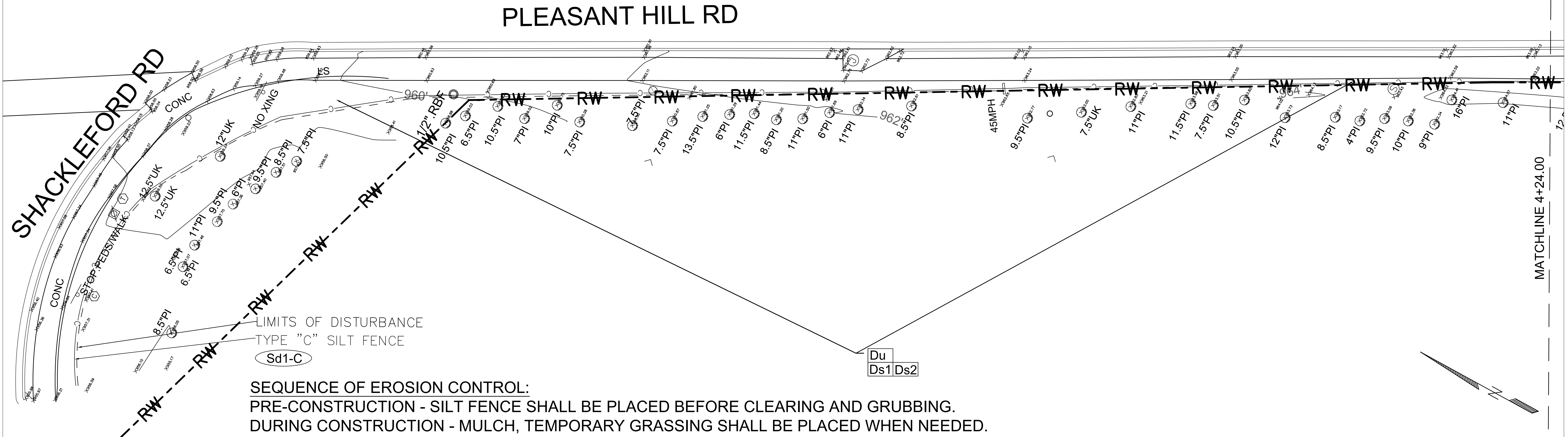


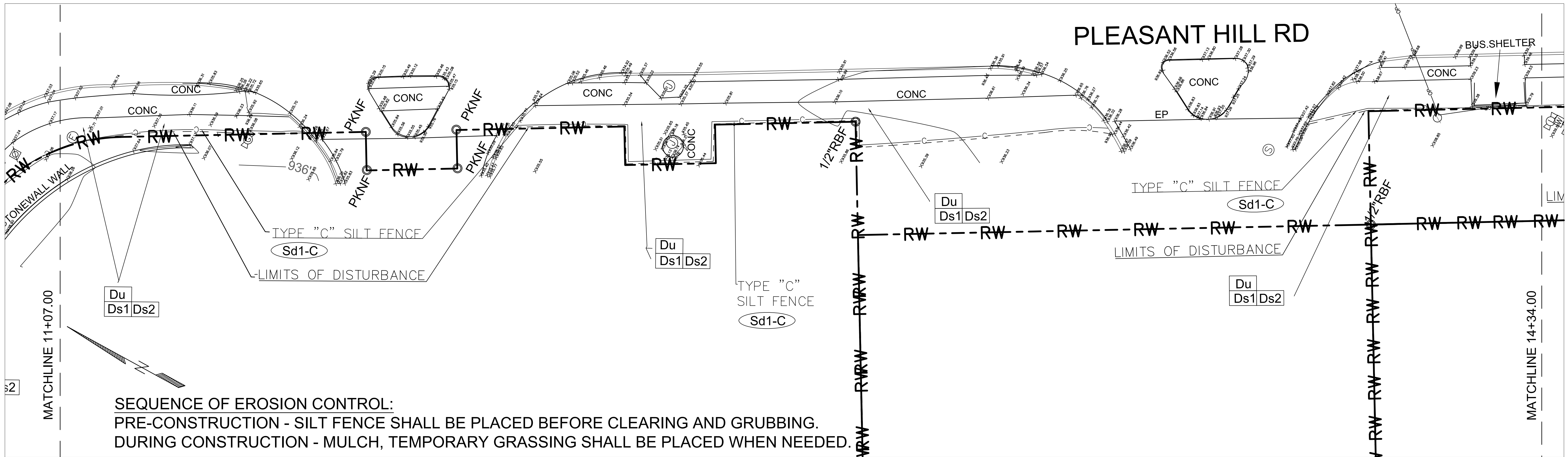
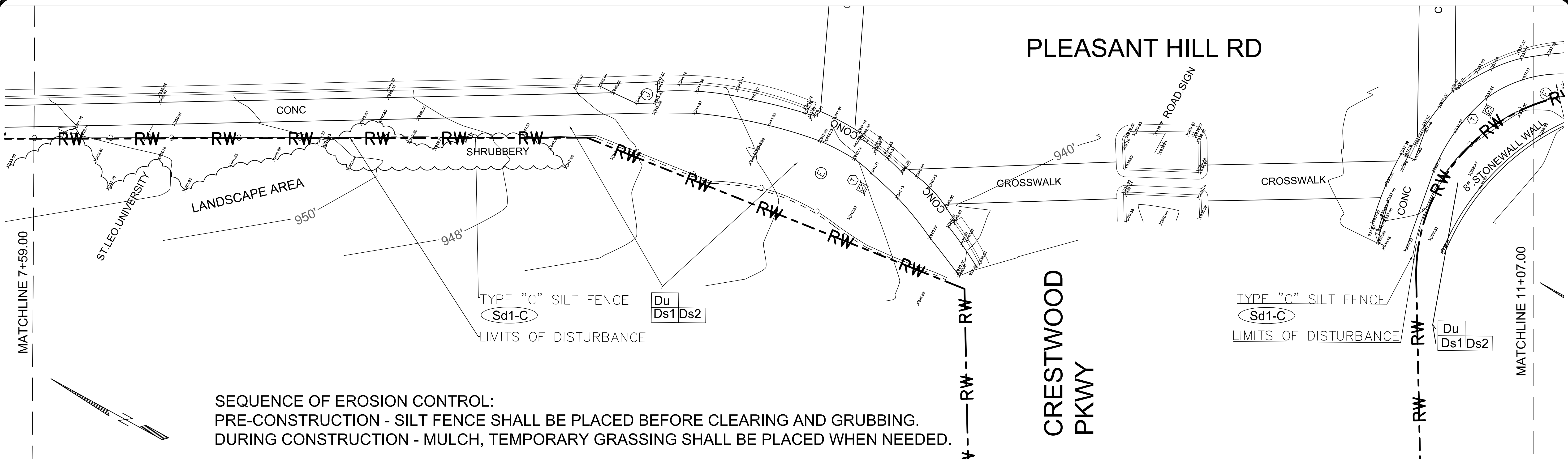
1ST REVISION: FROM GWINNETT COUNTY COMMENTS
LOCATION: PLEASANT HILL RD: INTERSECTIONS OF SHACKELFORD RD, SOUTH TO CLUB DR (ZONE 1)
MA JOB NUMBER: 15105

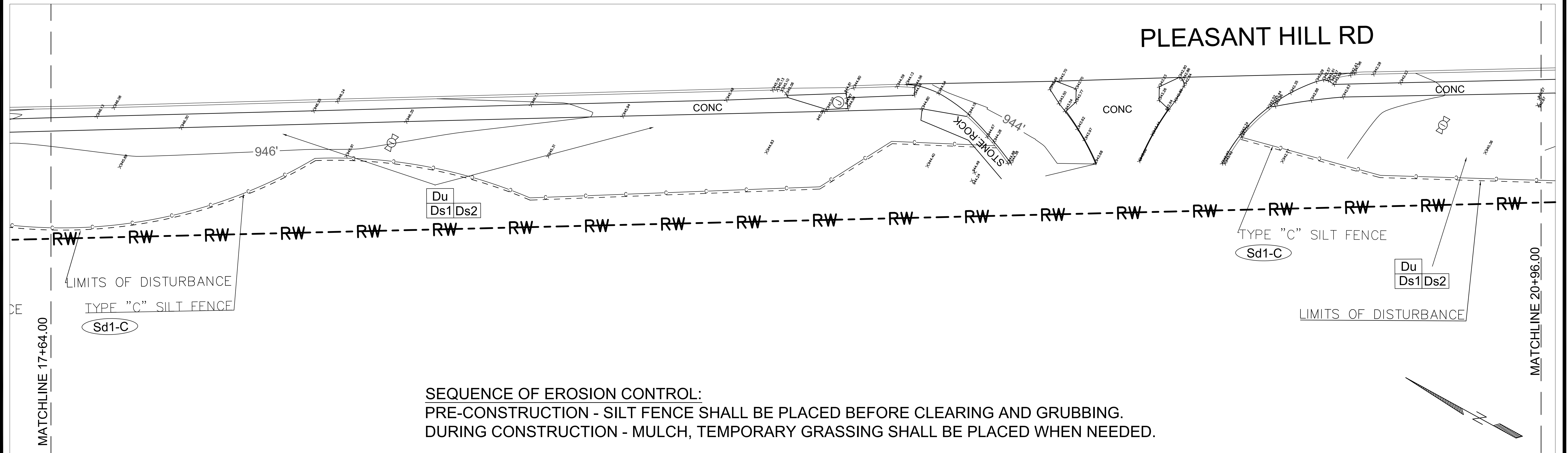
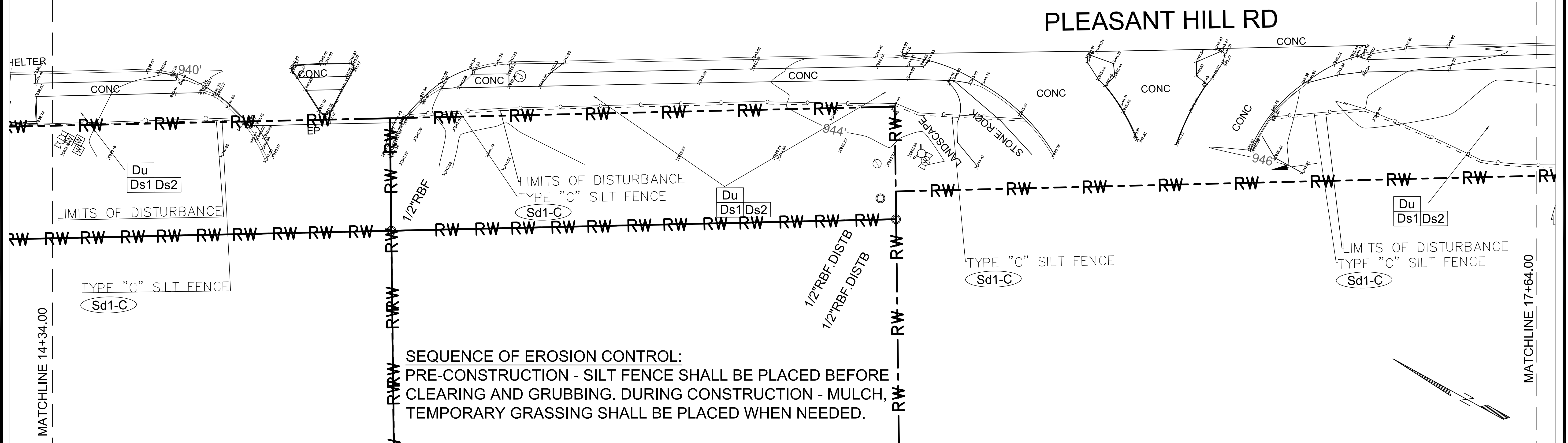


STREETSCAPE DESIGN FOR: GWINNETT PLACE CID ZONE 1 EXISTING CONDITIONS PLAN

S1.2







PLEASANT HILL RD

940'

936'

CONC

Du
Ds1 Ds2

LIMITS OF DISTURBANCE
TYPE "C" SILT FENCE
Sd1-C

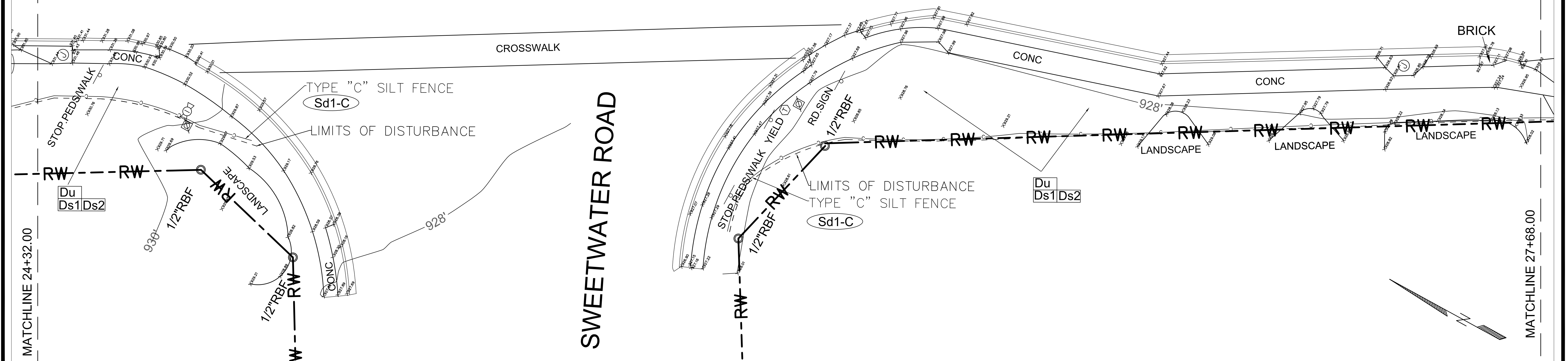
1/2" RBF

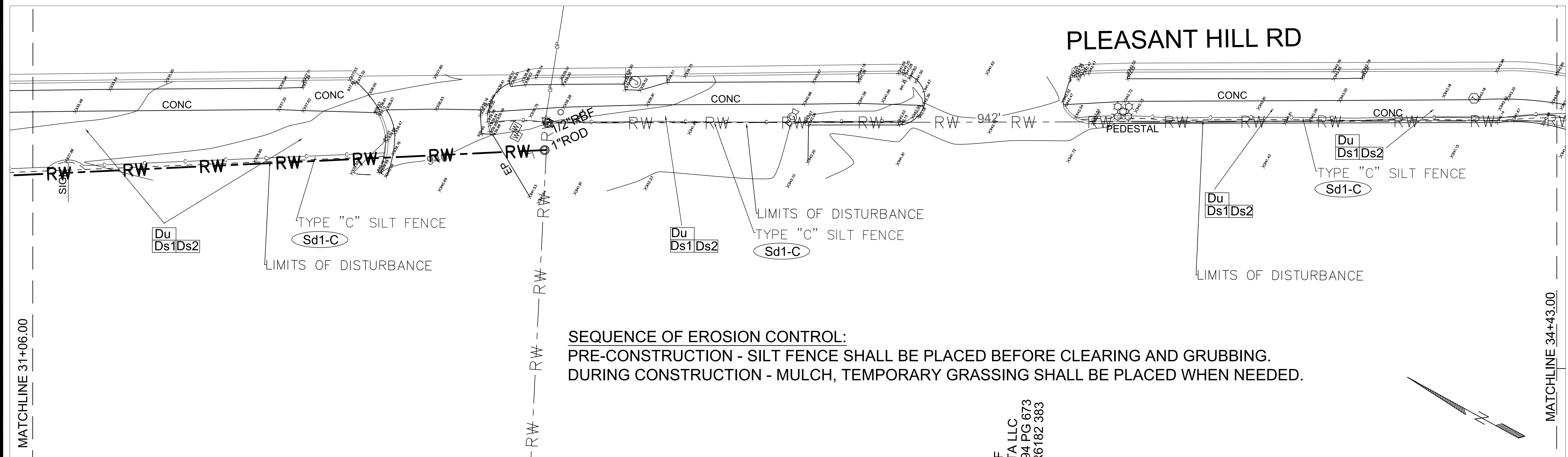
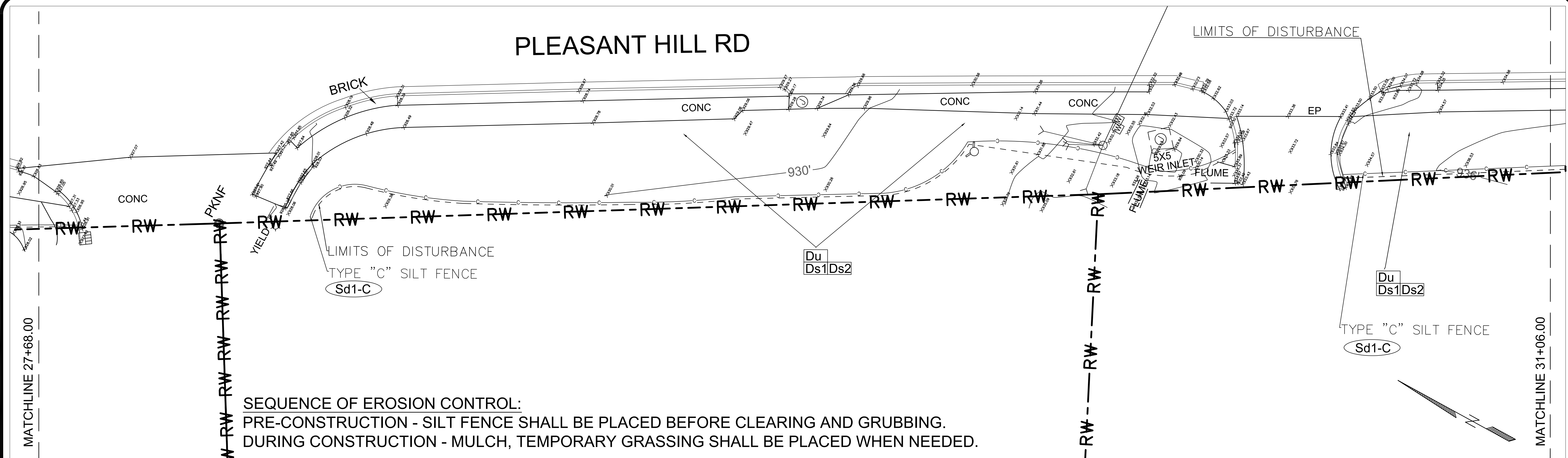
SEQUENCE OF EROSION CONTROL:
PRE-CONSTRUCTION - SILT FENCE SHALL BE PLACED BEFORE CLEARING AND GRUBBING.
DURING CONSTRUCTION - MULCH, TEMPORARY GRASSING SHALL BE PLACED WHEN NEEDED.

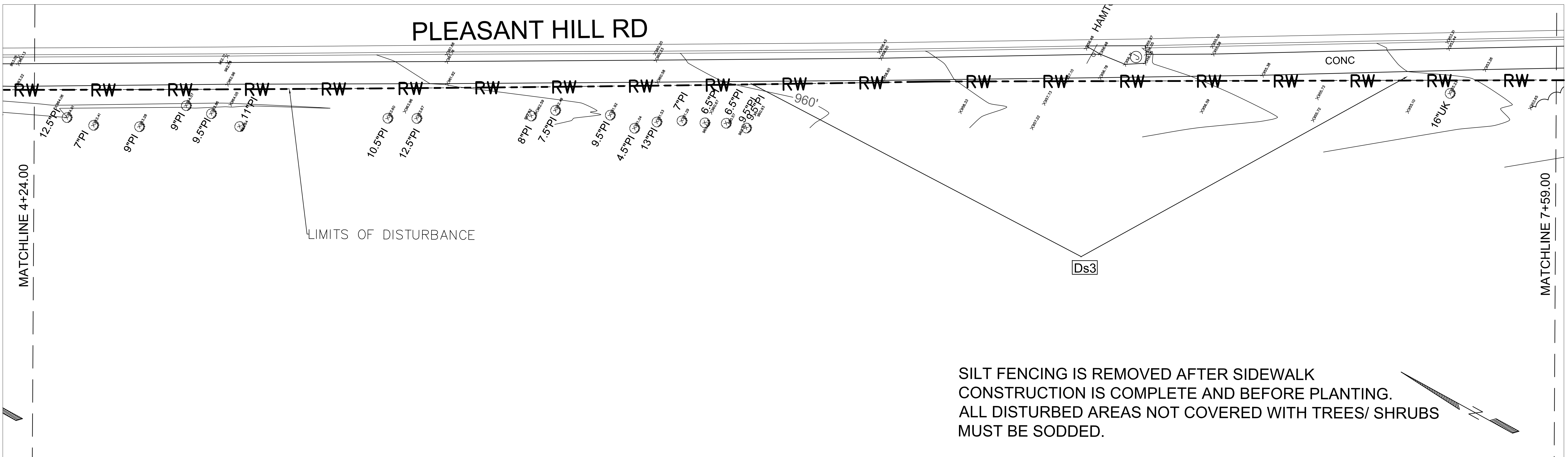
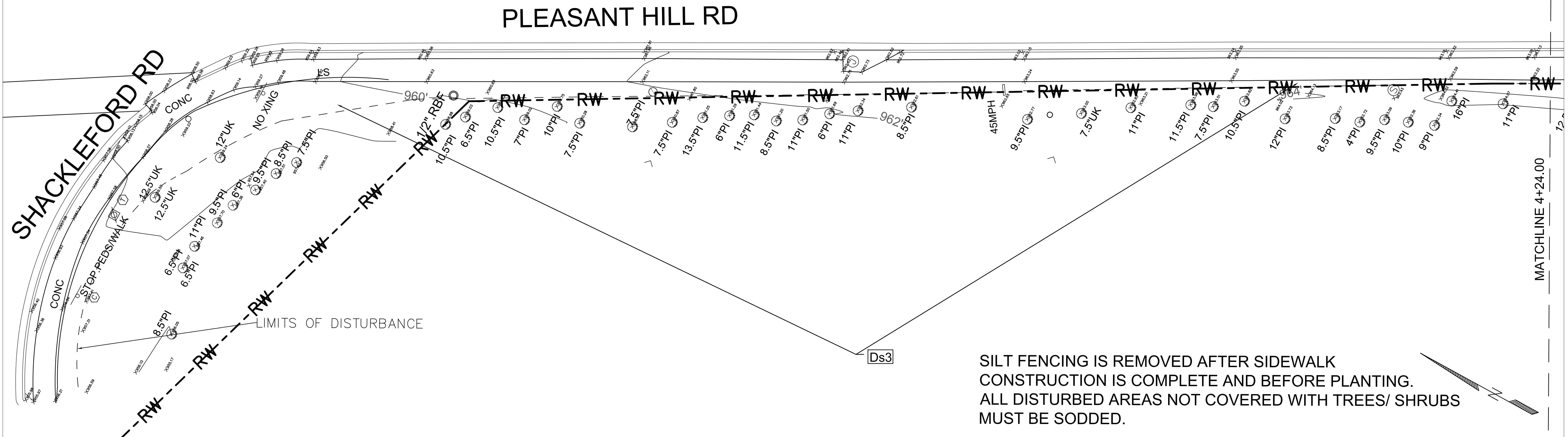
MATCHLINE 20+96.00

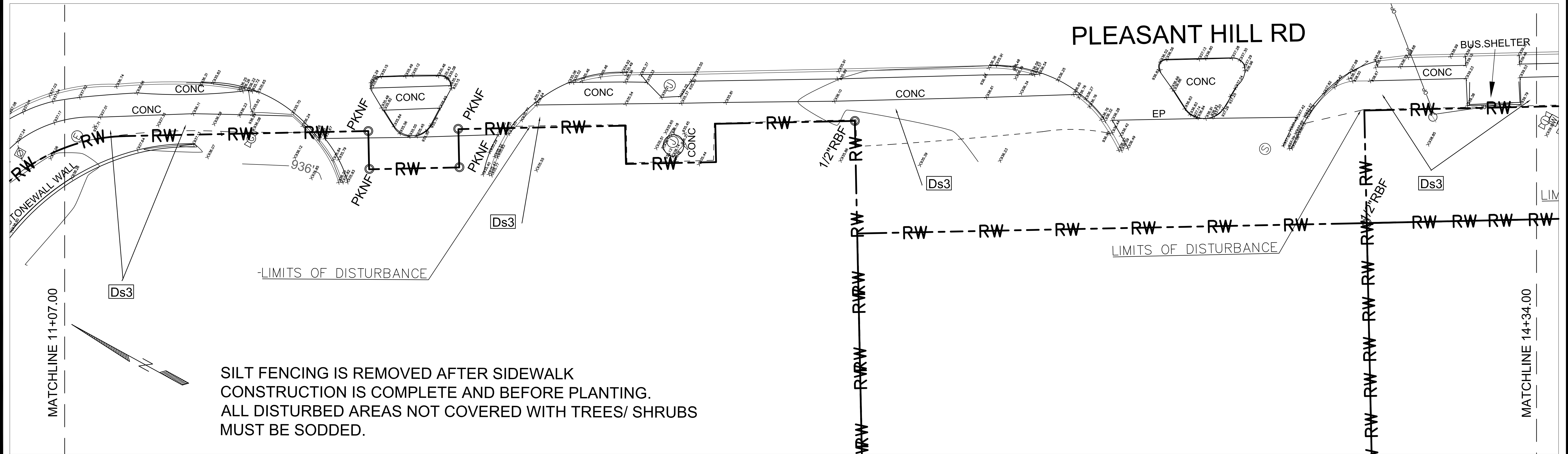
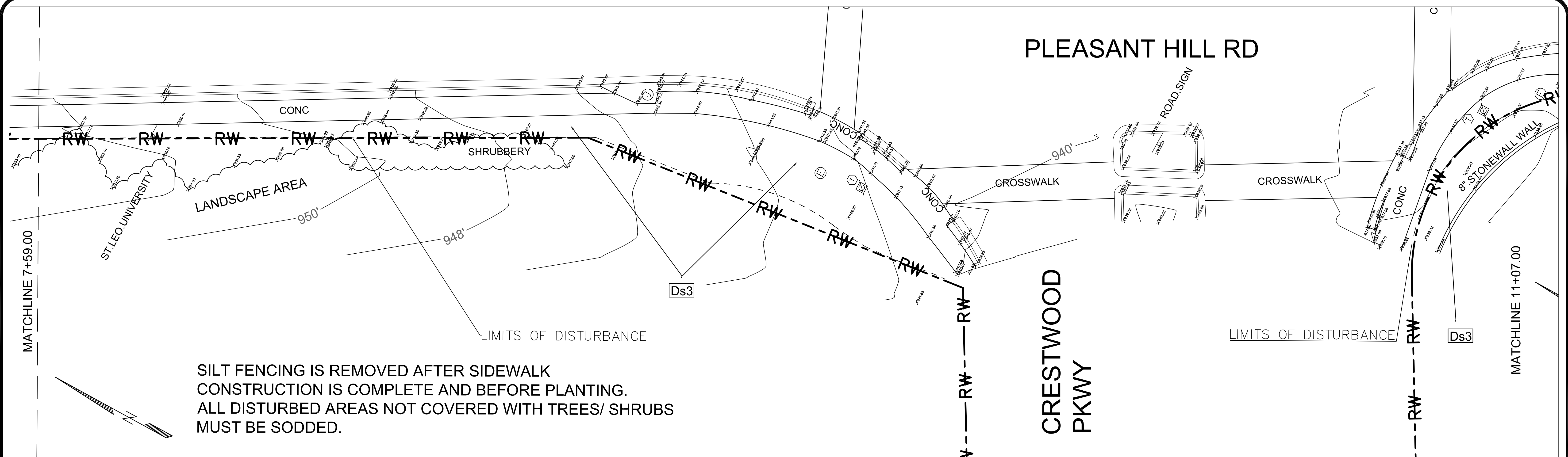
MATCHLINE 24+32.00

SEQUENCE OF EROSION CONTROL:
PRE-CONSTRUCTION - SILT FENCE SHALL BE PLACED BEFORE CLEARING AND GRUBBING.
DURING CONSTRUCTION - MULCH, TEMPORARY GRASSING SHALL BE PLACED WHEN NEEDED.









PLEASANT HILL RD

940'

936'

1/2" RBF

CONC

DRAINAGE

LIMITS OF DISTURBANCE

Ds3

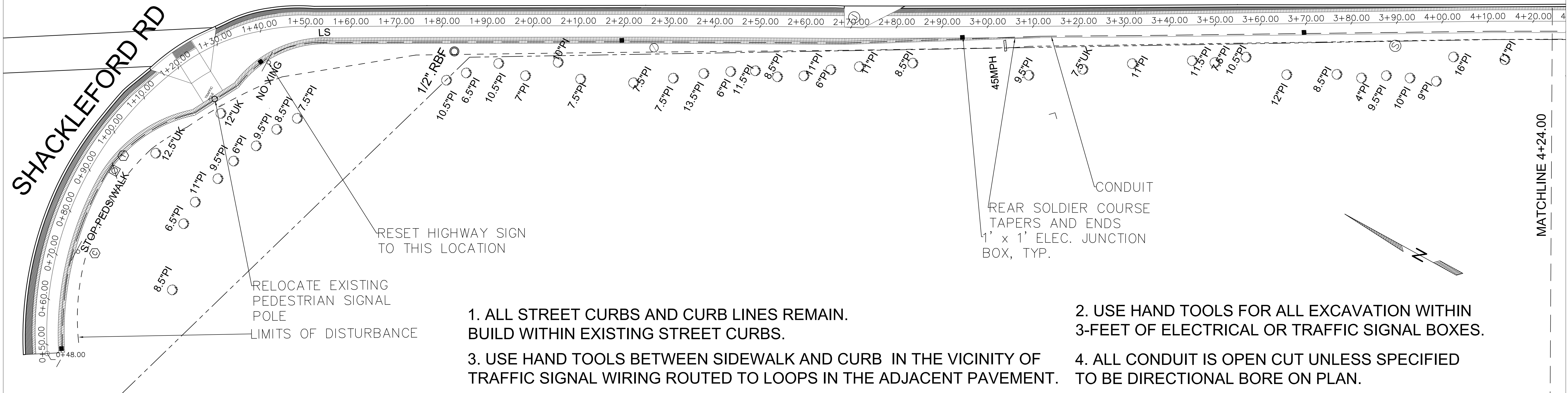
SILT FENCING IS REMOVED AFTER SIDEWALK CONSTRUCTION IS COMPLETE AND BEFORE PLANTING. ALL DISTURBED AREAS NOT COVERED WITH TREES/ SHRUBS MUST BE SODDED.

MATCHLINE 20+96.00

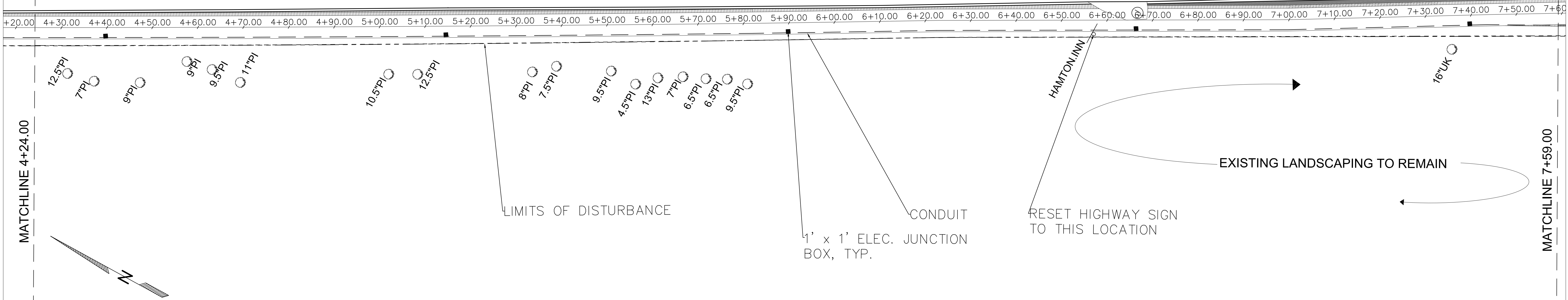
MATCHLINE 24+32.00

[illegible]

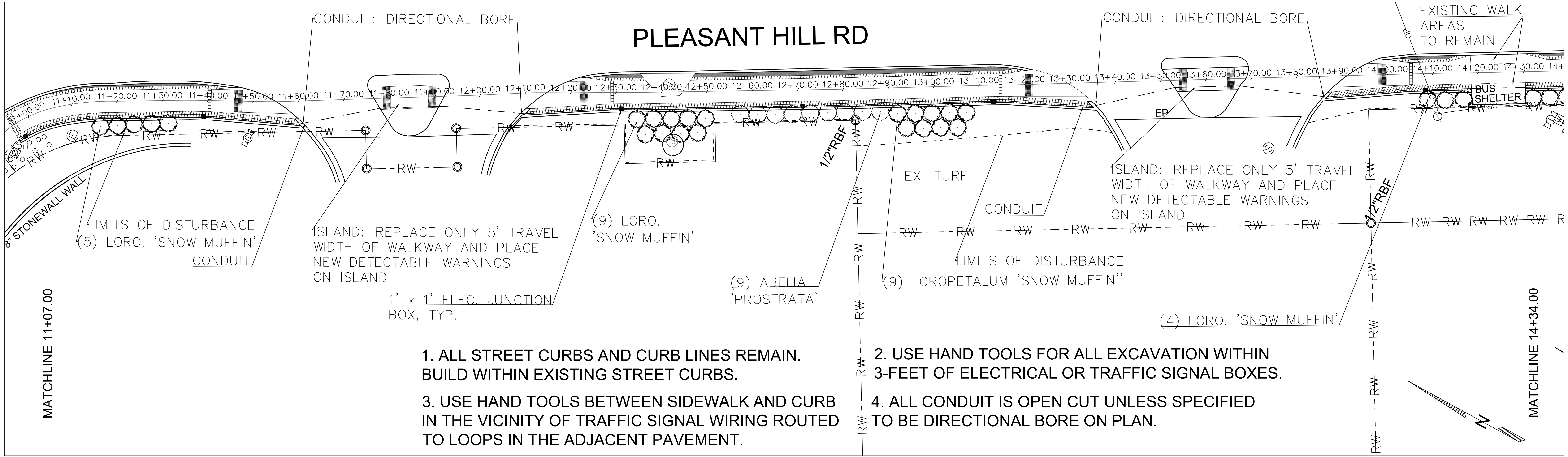
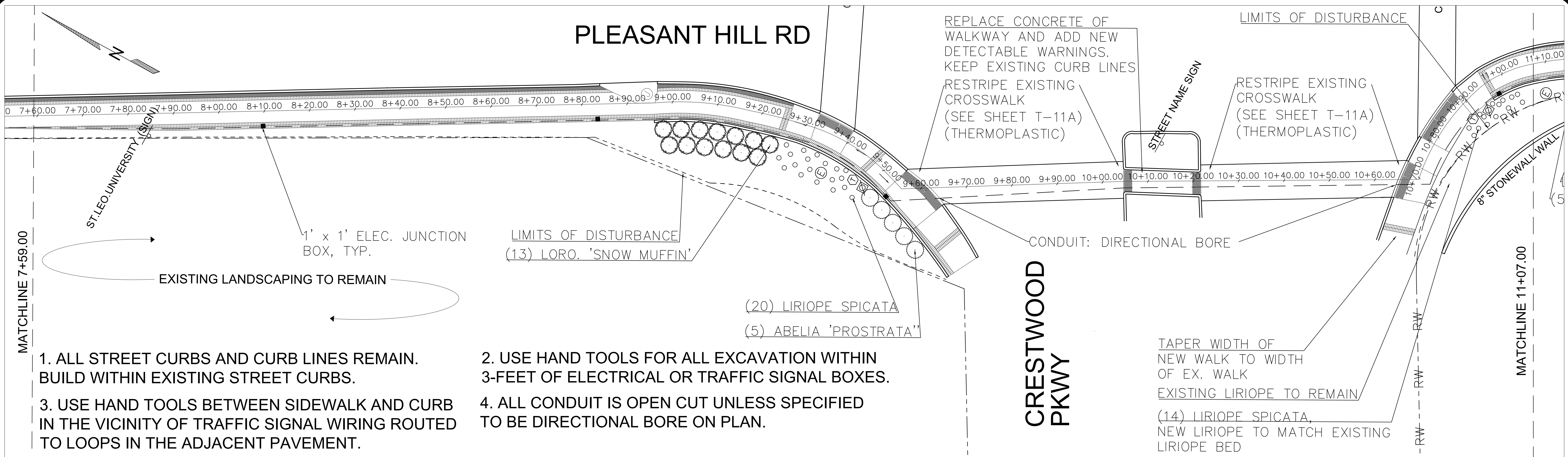
PLEASANT HILL RD

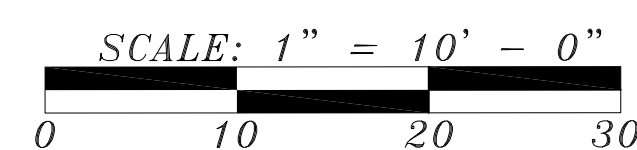
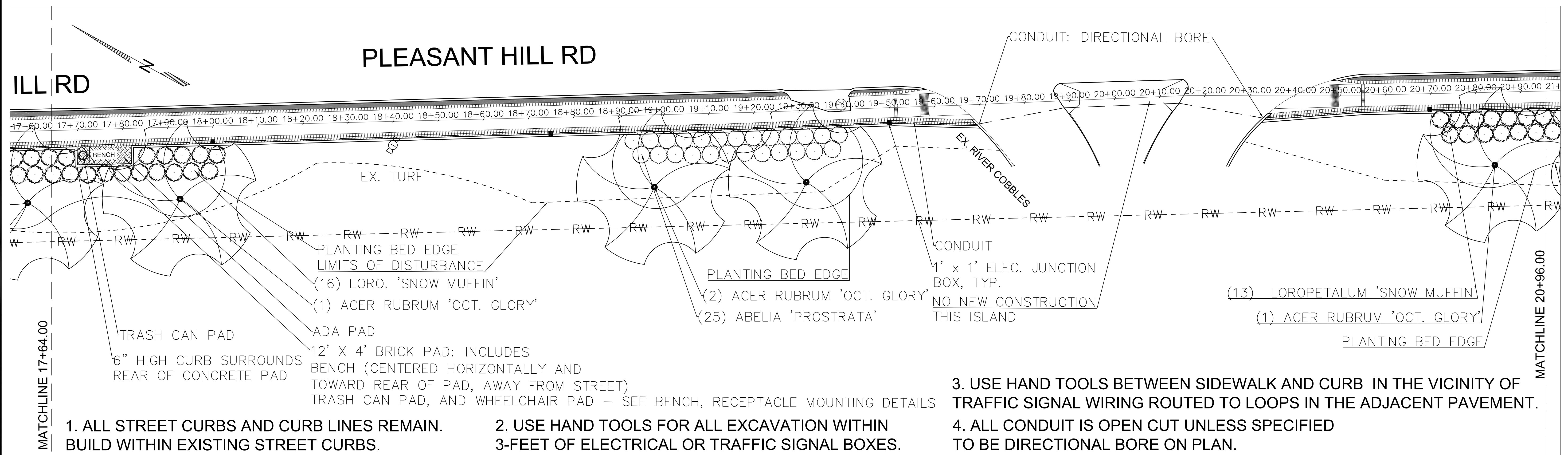
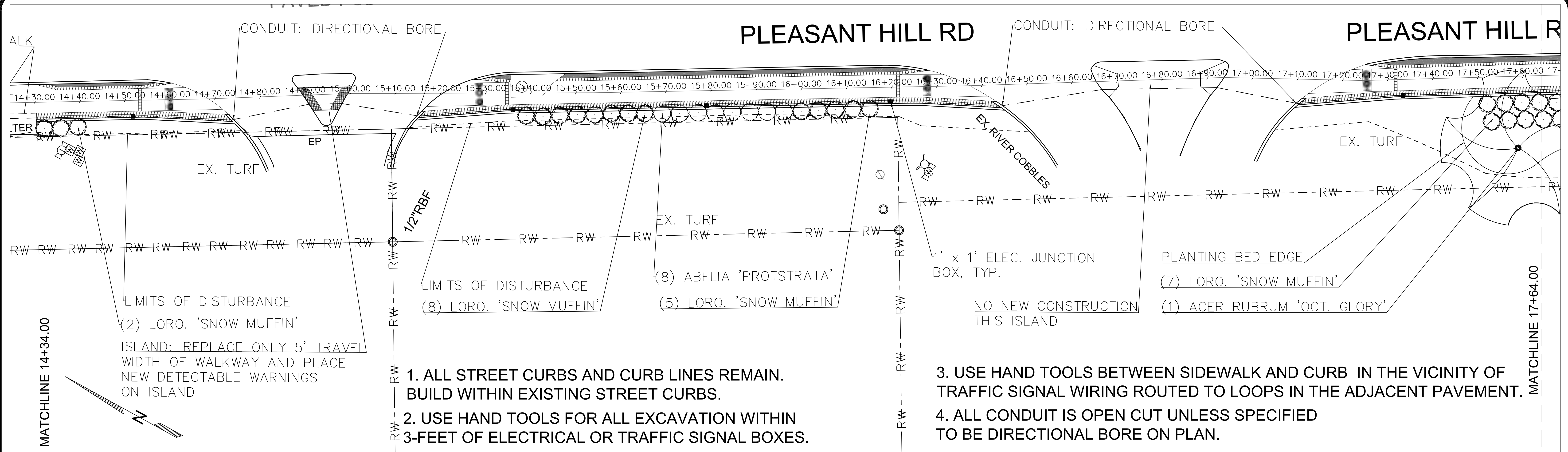


PLEASANT HILL RD



1. ALL STREET CURBS AND CURB LINES REMAIN. BUILD WITHIN EXISTING STREET CURBS.
2. USE HAND TOOLS FOR ALL EXCAVATION WITHIN 3-FEET OF ELECTRICAL OR TRAFFIC SIGNAL BOXES.
3. USE HAND TOOLS BETWEEN SIDEWALK AND CURB IN THE VICINITY OF TRAFFIC SIGNAL WIRING ROUTED TO LOOPS IN THE ADJACENT PAVEMENT.
4. ALL CONDUIT IS OPEN CUT UNLESS SPECIFIED TO BE DIRECTIONAL BORE ON PLAN.
- New concrete required for all sidewalk in Zone 1, except in front of the QuikTrip where there is a new concrete walk. Replace all catch basin tops except where noted.

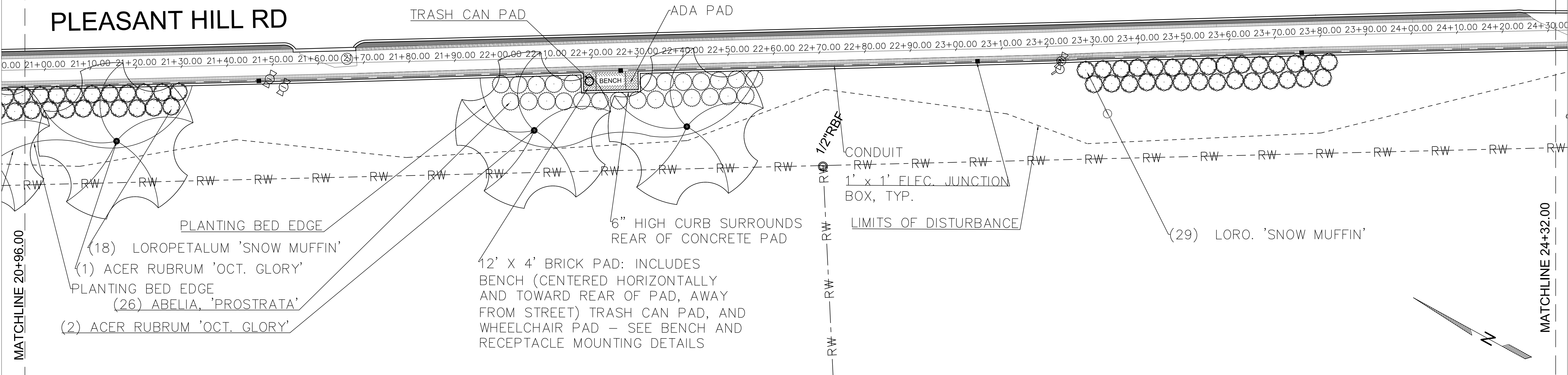




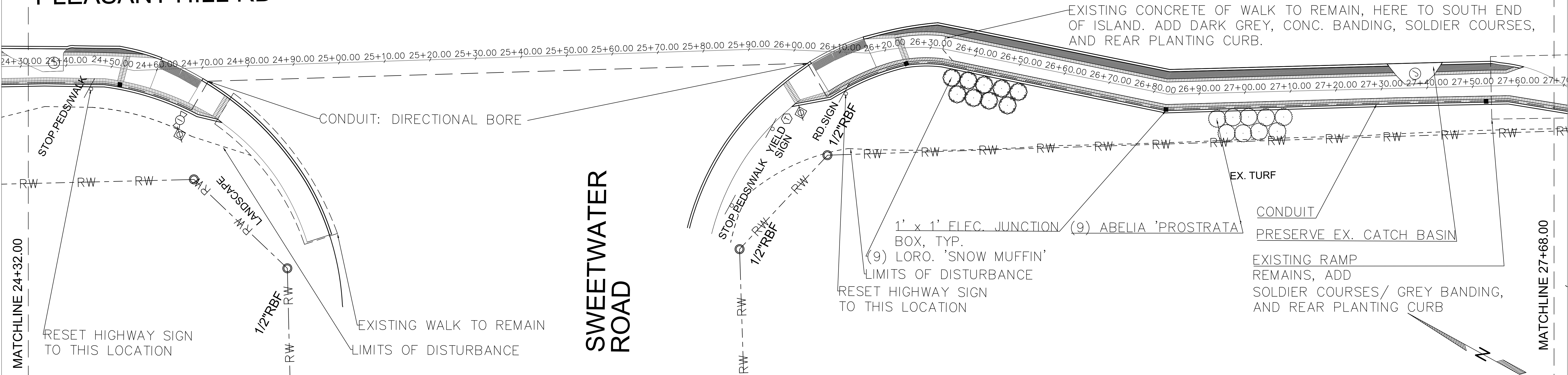
1ST REVISION: 3/9/18
LOCATION:
PLEASANT HILL RD: INTERSECTIONS OF
SHACKELFORD RD, SOUTH TO CLUB DR (ZONE 1)
MA JOB NUMBER: 15105



1. ALL STREET CURBS AND CURB LINES REMAIN. BUILD WITHIN EXISTING STREET CURBS.
2. USE HAND TOOLS FOR ALL EXCAVATION WITHIN 3-FEET OF ELECTRICAL OR TRAFFIC SIGNAL BOXES.
3. USE HAND TOOLS BETWEEN SIDEWALK AND CURB IN THE VICINITY OF TRAFFIC SIGNAL WIRING ROUTED TO LOOPS IN THE ADJACENT PAVEMENT.
4. ALL CONDUIT IS OPEN CUT UNLESS SPECIFIED TO BE DIRECTIONAL BORE ON PLAN.



1. ALL STREET CURBS AND CURB LINES REMAIN. BUILD WITHIN EXISTING STREET CURBS.
2. USE HAND TOOLS FOR ALL EXCAVATION WITHIN 3-FEET OF ELECTRICAL OR TRAFFIC SIGNAL BOXES.
3. USE HAND TOOLS BETWEEN SIDEWALK AND CURB IN THE VICINITY OF TRAFFIC SIGNAL WIRING ROUTED TO LOOPS IN THE ADJACENT PAVEMENT.
4. ALL CONDUIT IS OPEN CUT UNLESS SPECIFIED TO BE DIRECTIONAL BORE ON PLAN.



PLEASANT HILL RD

RESET HIGHWAY SIGN TO THIS LOCATION

LIMITS OF DISTURBANCE

RESET HIGHWAY SIGN TO THIS LOCATION

CONDUIT

1' x 1' ELEC. JUNCTION BOX, TYP.

MATCH NEW WALK WIDTH WITH EXISTING WALK WIDTH

EX. WALK REMAINS HERE

FINAL MATCHLINE ZONE 1

CLUB DRIVE

MATCHLINE 34+43.00

STOP FOR PEDS WALK

SHELL

YIELD SIGN

35+01.00

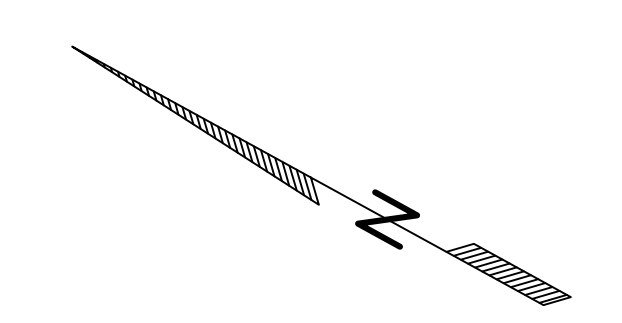
34+30.00 34+40.00 34+50.00 34+60.00 34+70.00 34+80.00 34+90.00 35+00.00

RW

CRW

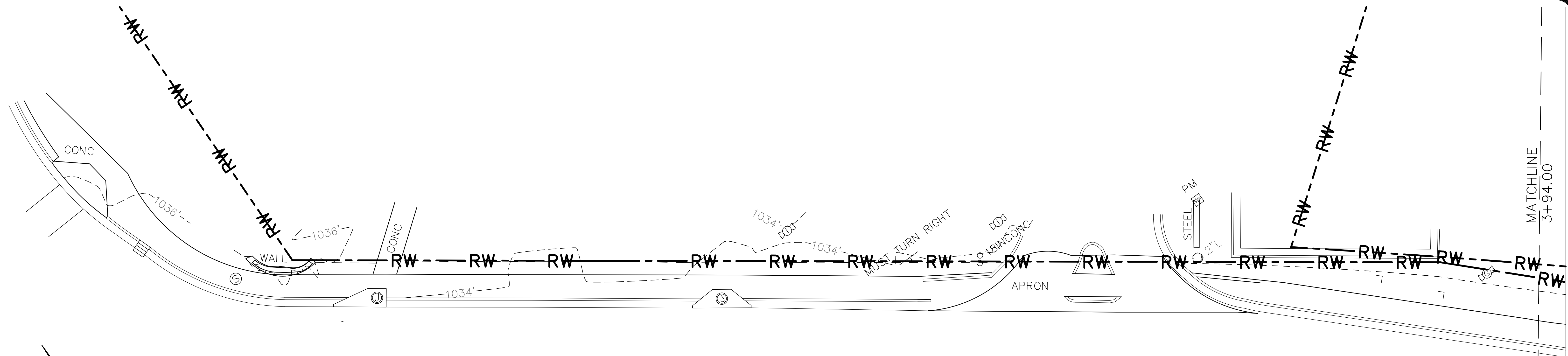
VE

-

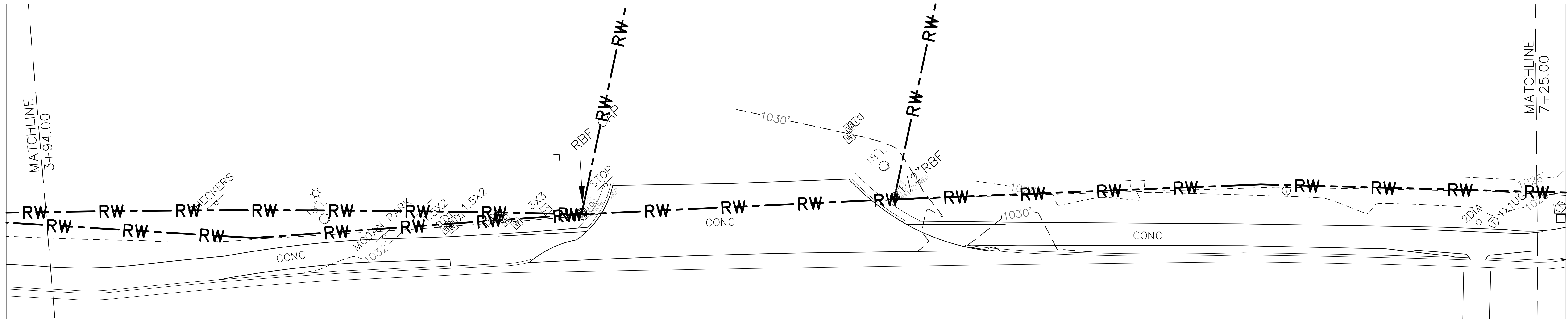


1. ALL STREET CURBS AND CURB LINES REMAIN.
BUILD WITHIN EXISTING STREET CURBS.
2. USE HAND TOOLS FOR ALL EXCAVATION WITHIN
3-FEET OF ELECTRICAL OR TRAFFIC SIGNAL BOXES.
3. USE HAND TOOLS BETWEEN SIDEWALK AND CURB IN THE VICINITY OF
TRAFFIC SIGNAL WIRING ROUTED TO LOOPS IN THE ADJACENT PAVEMENT.
4. ALL CONDUIT IS OPEN CUT UNLESS SPECIFIED
TO BE DIRECTIONAL BORE ON PLAN.

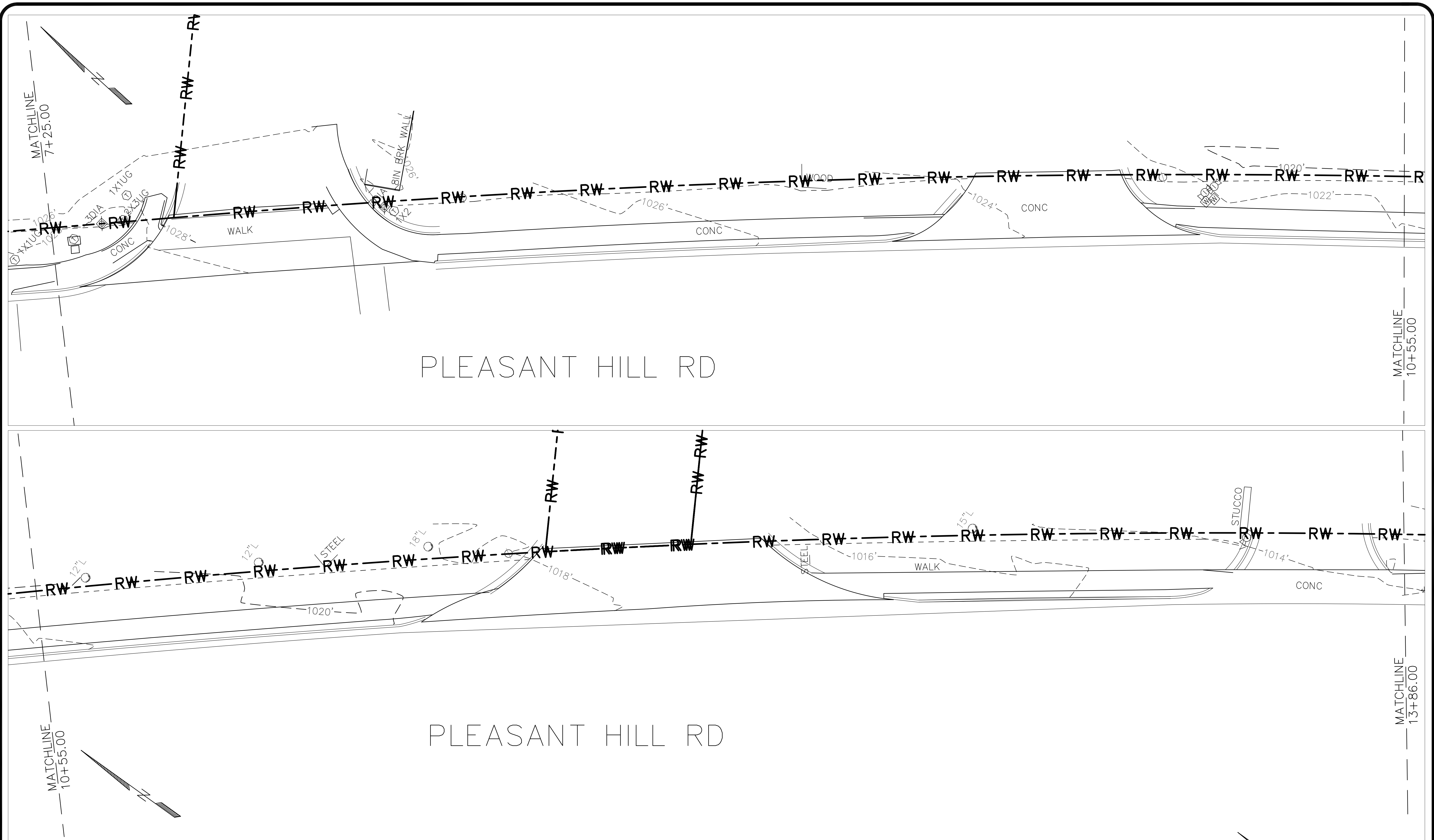
OLD NORCROSS RD

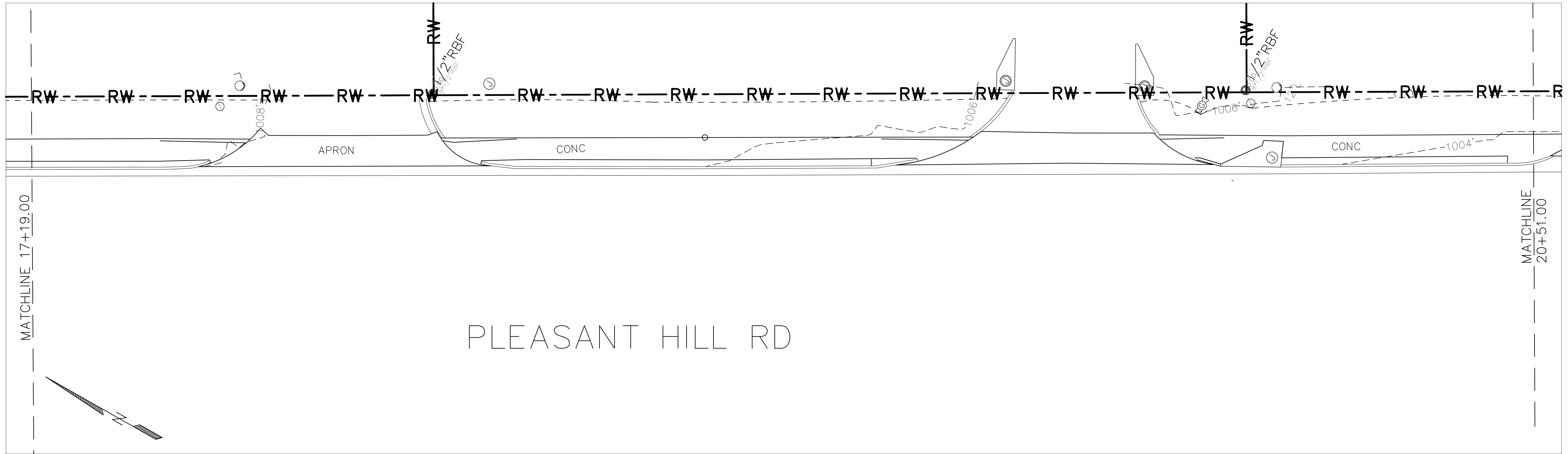
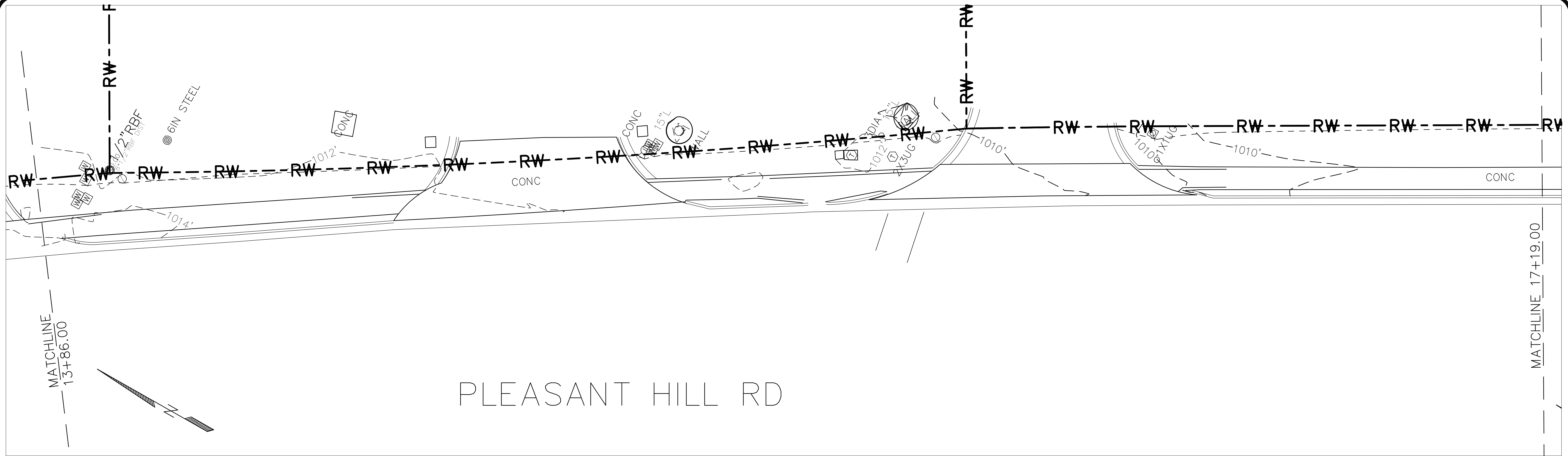


PLEASANT HILL RD

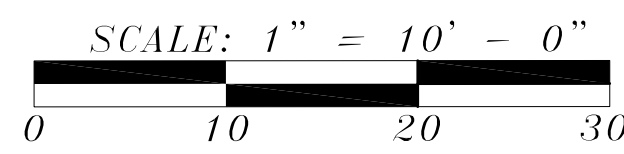


PLEASANT HILL RD





MA *Moreland Altobelli Associates, Inc.*
 Engineering Planning Landscape Architecture Land Acquisition Surveying
 2450 Commerce Ave Ste 100
 Duluth, GA 30096-8910
 770/263-5945

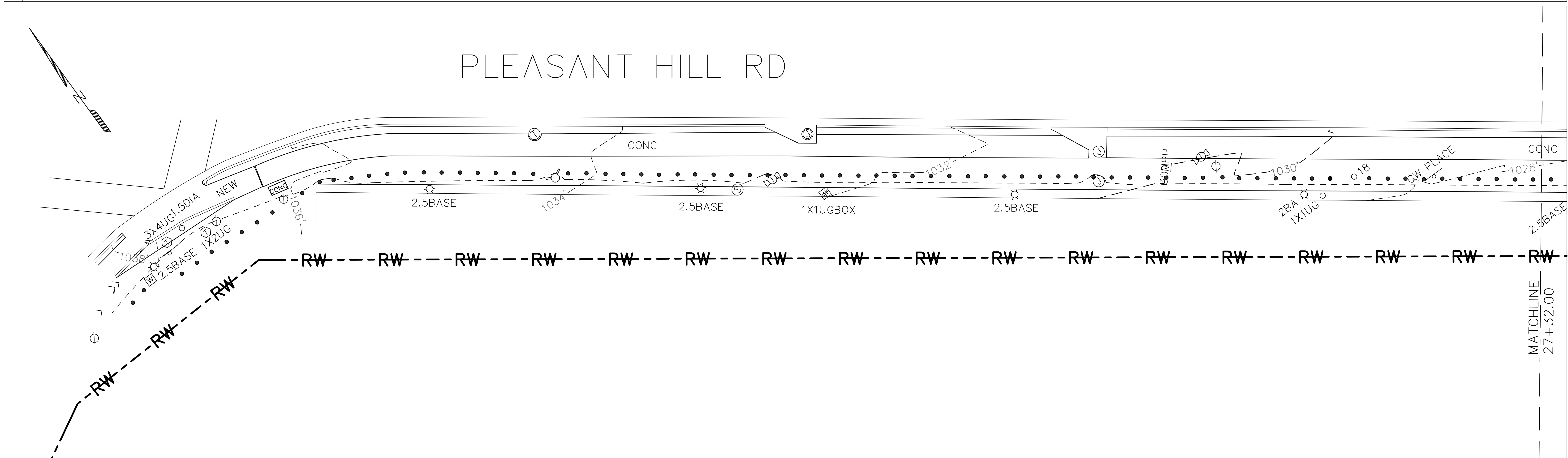
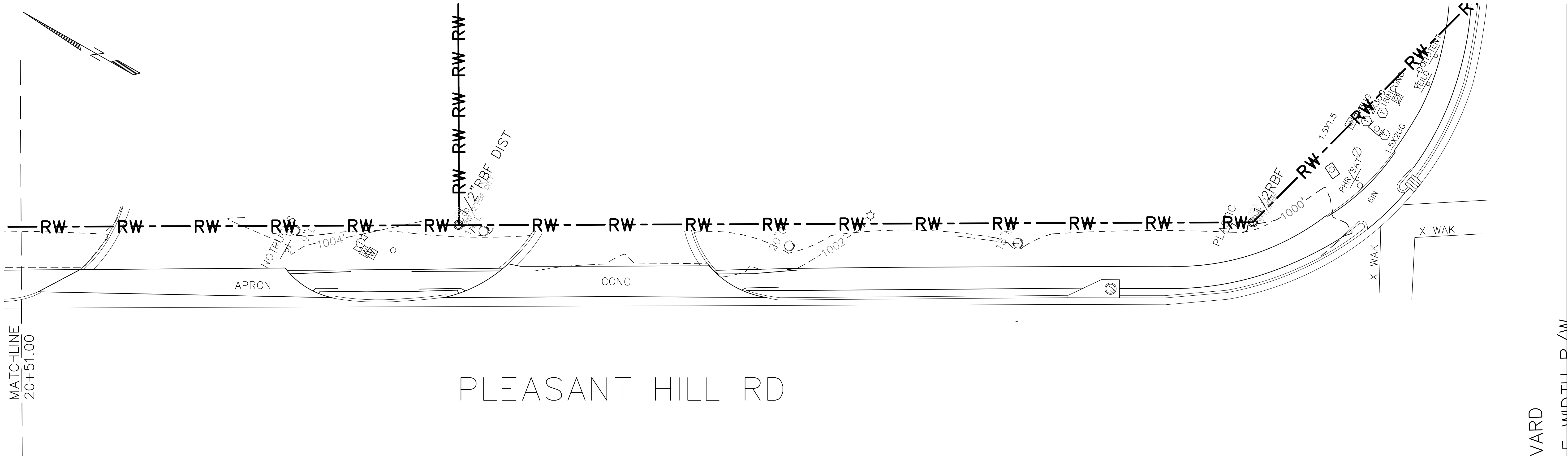


1ST REVISION: 3/9/18
PLEASANT HILL RD: INTERSECTIONS OF OLD NORCROSS RD. AND PLEASANT HILL RD., SOUTH TO INTERSECTION OF SATELLITE BLVD.
MA JOB NUMBER: 15105

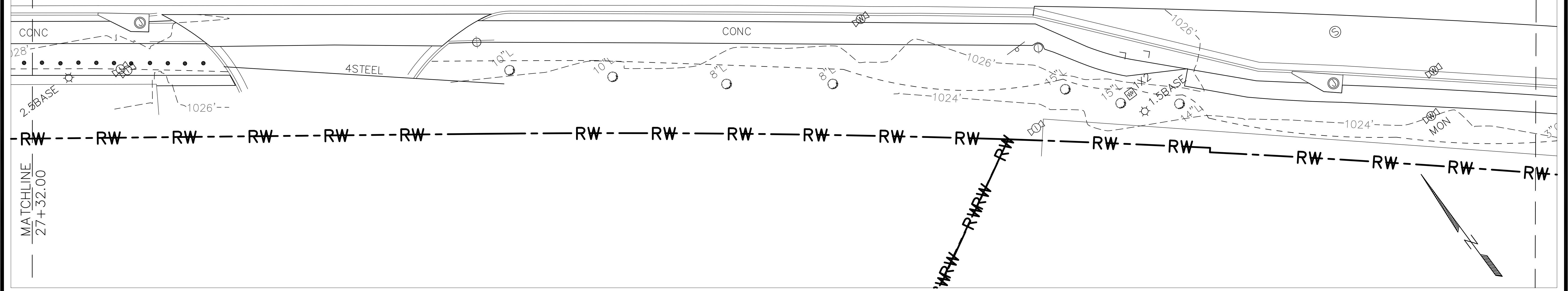


STREETSCAPE DESIGN FOR:
 GWINNETT PLACE CID
 ZONE 2 EXISTING CONDITIONS PLAN

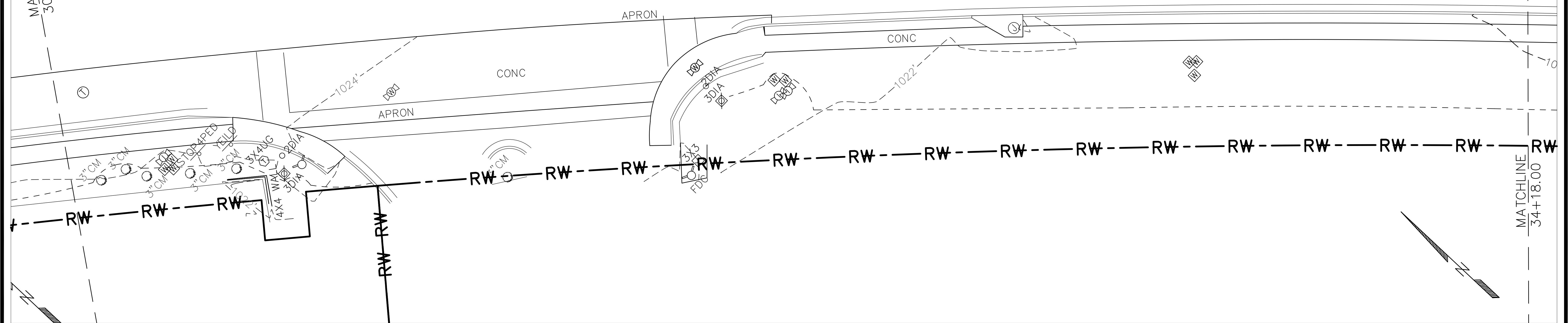
S2.3



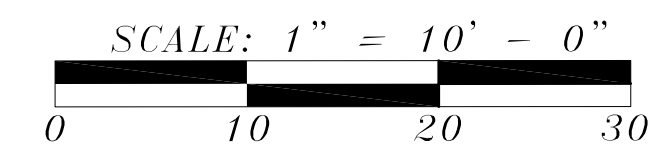
PLEASANT HILL RD



PLEASANT HILL RD



MA *Moreland Altobelli Associates, Inc.*
Engineering Planning Landscape Architecture Land Acquisition Surveying
2450 Commerce Ave Ste 100
Duluth, GA 30096-8910
770/263-5945



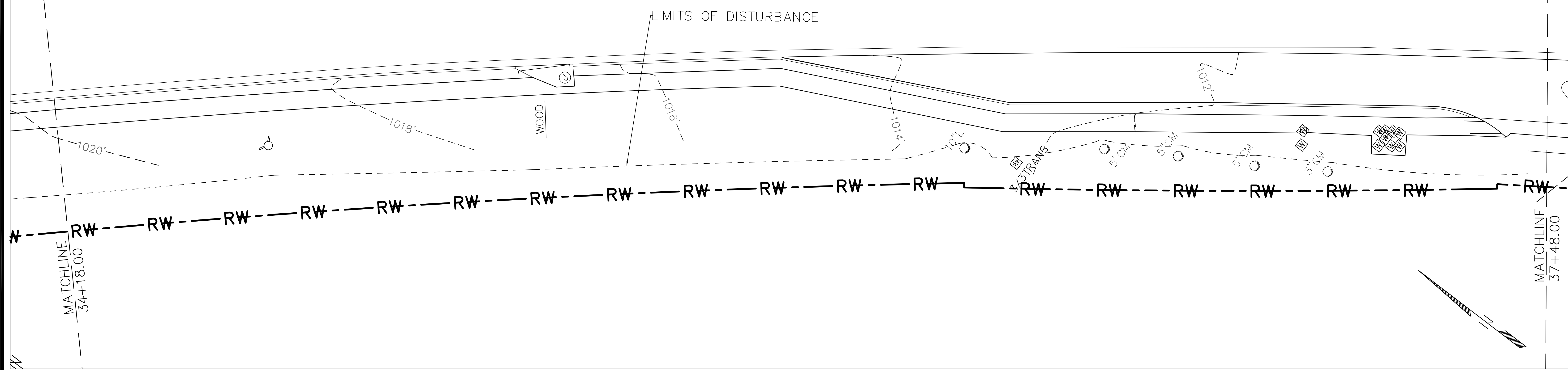
1ST REVISION: 3/9/18
PLEASANT HILL RD: INTERSECTIONS OF OLD NORCROSS RD. AND PLEASANT HILL RD., SOUTH TO INTERSECTION OF SATELLITE BLVD.
MA JOB NUMBER: 15105



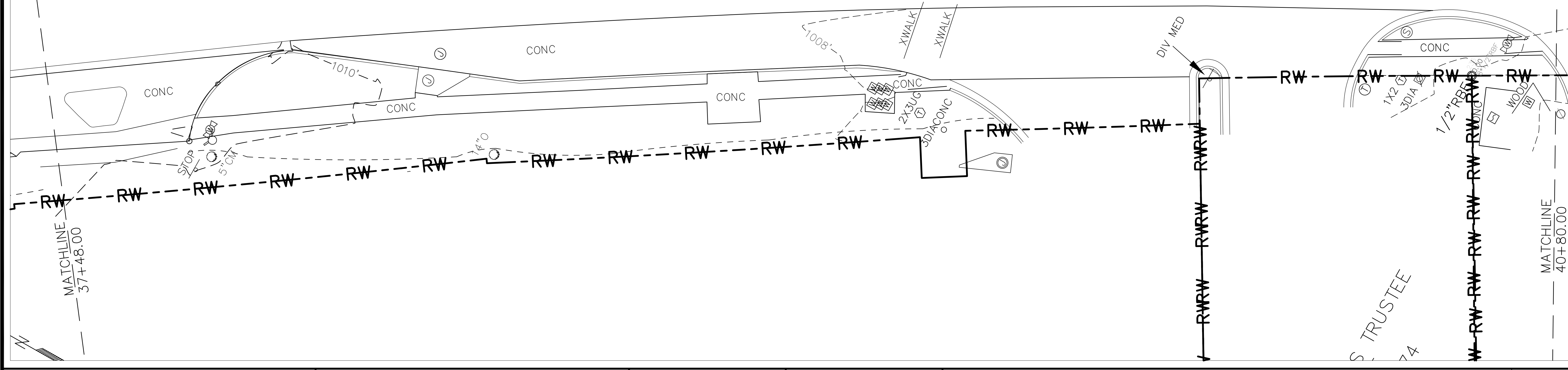
STREETSCAPE DESIGN FOR:
GWINNETT PLACE CID
ZONE 2 EXISTING CONDITIONS PLAN

S2.5

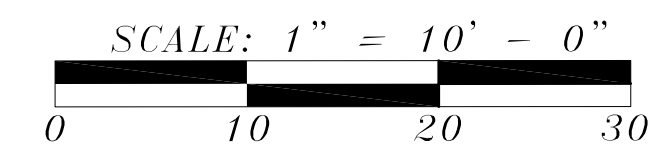
PLEASANT HILL RD



PLEASANT HILL RD



MA *Moreland Altobelli Associates, Inc.*
Engineering Planning Landscape Architecture Land Acquisition Surveying
2450 Commerce Ave Ste 100
Duluth, GA 30096-8910
770/263-5945



1ST REVISION: 3/9/18

PLEASANT HILL RD: INTERSECTIONS OF
OLD NORCROSS RD. AND PLEASANT HILL
RD., SOUTH TO INTERSECTION OF
SATELLITE BLVD.

MA JOB NUMBER: 15105



STREETSCAPE DESIGN FOR:
GWINNETT PLACE CID
ZONE 2 EXISTING CONDITIONS PLAN

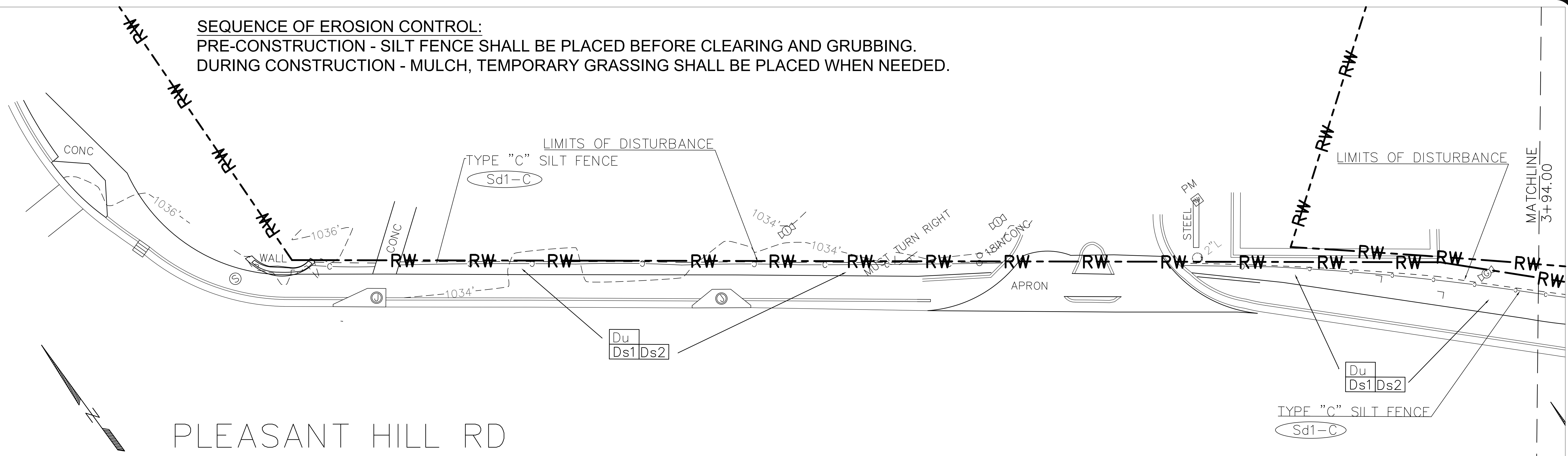
S2.6

This engineering plan view illustrates a road project with the following details:

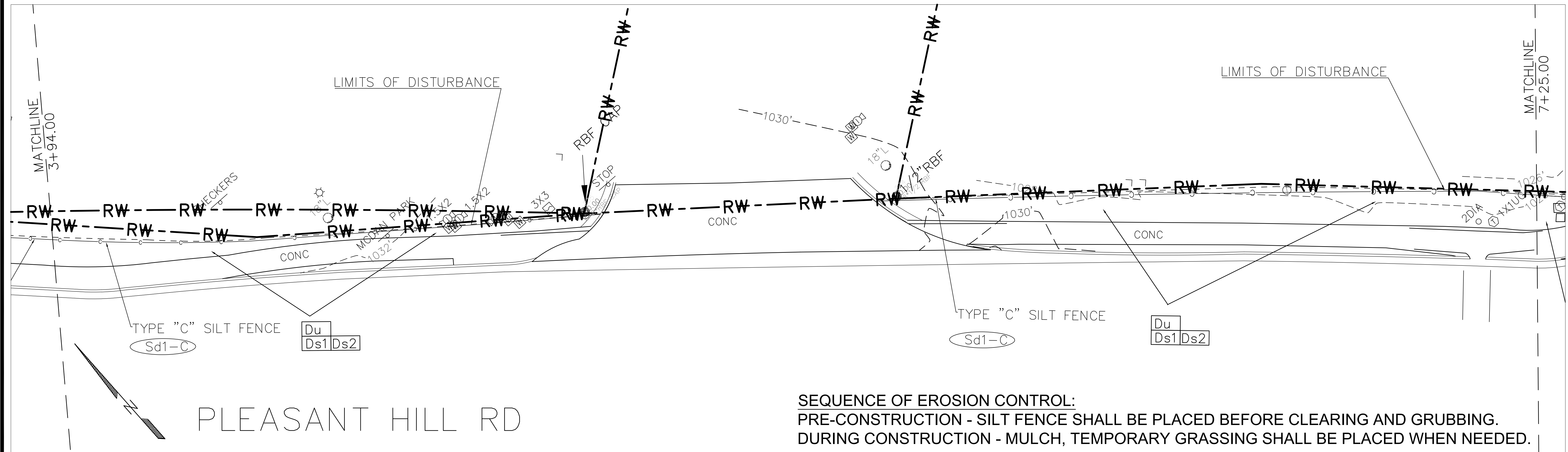
- Stationing:** The project begins at station 44+15.00, indicated by a matchline on the left. The stationing continues along the road alignment.
- Matchlines:** A matchline is shown on the left side at station 44+15.00. Another matchline is located at the bottom right of the plan.
- Road Features:**
 - CONC WALL:** A concrete wall is shown along the left side of the road.
 - CONC:** Concrete areas are marked along the road.
 - RD SIGN:** A road sign is located near the center of the plan.
 - STOPPED BANK ONLY:** A section of the road is marked as "STOPPED BANK ONLY".
 - 5" L:** A 5-inch wide lane or shoulder is indicated in several places.
 - 1000' and 1002':** Distances are marked along the road alignment.
 - ENTRANCE:** An entrance is marked near the center of the plan.
- Other Labels:**
 - FOLIO:** The word "FOLIO" is written vertically at the bottom right.
 - 1000' and 1002':** Distances are marked along the road alignment.

OLD NORCROSS RD

SEQUENCE OF EROSION CONTROL:
PRE-CONSTRUCTION - SILT FENCE SHALL BE PLACED BEFORE CLEARING AND GRUBBING.
DURING CONSTRUCTION - MULCH, TEMPORARY GRASSING SHALL BE PLACED WHEN NEEDED.

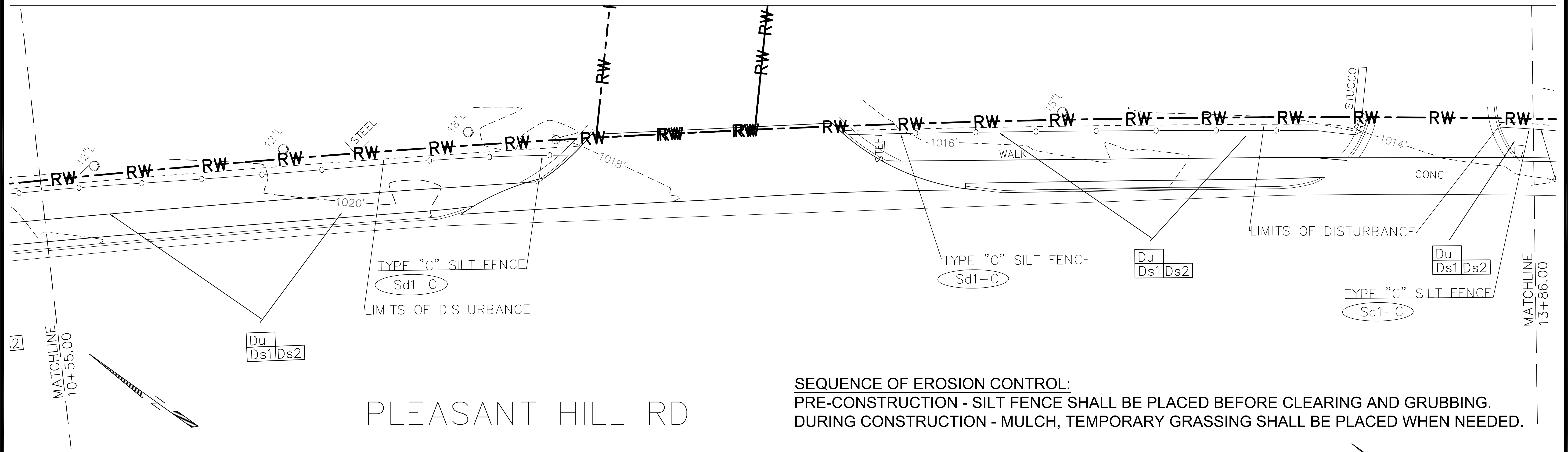
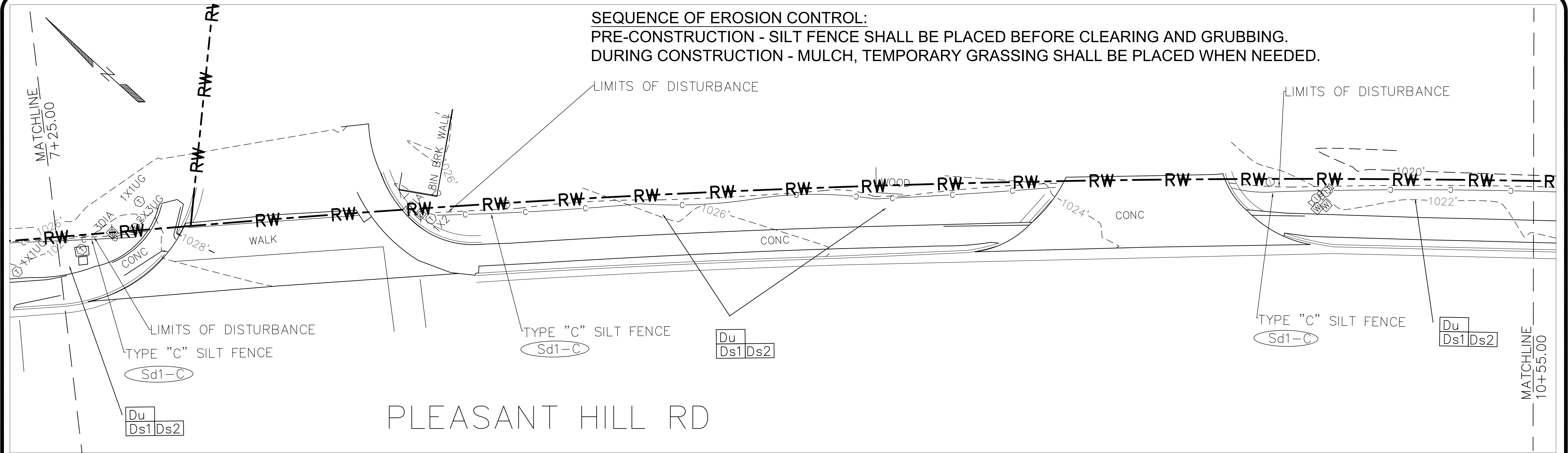


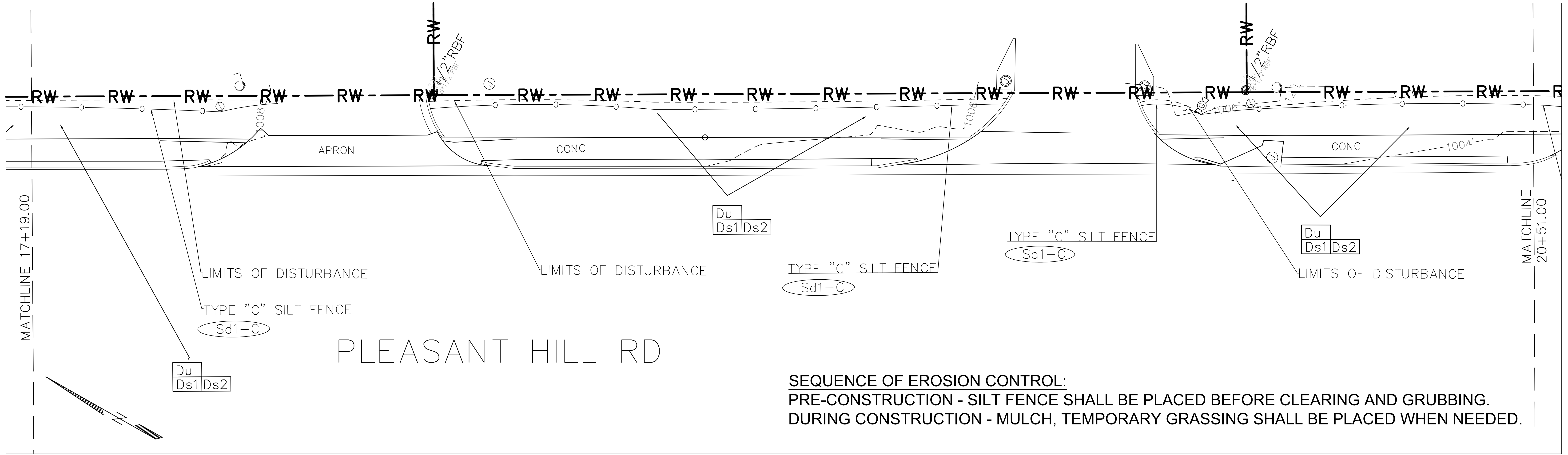
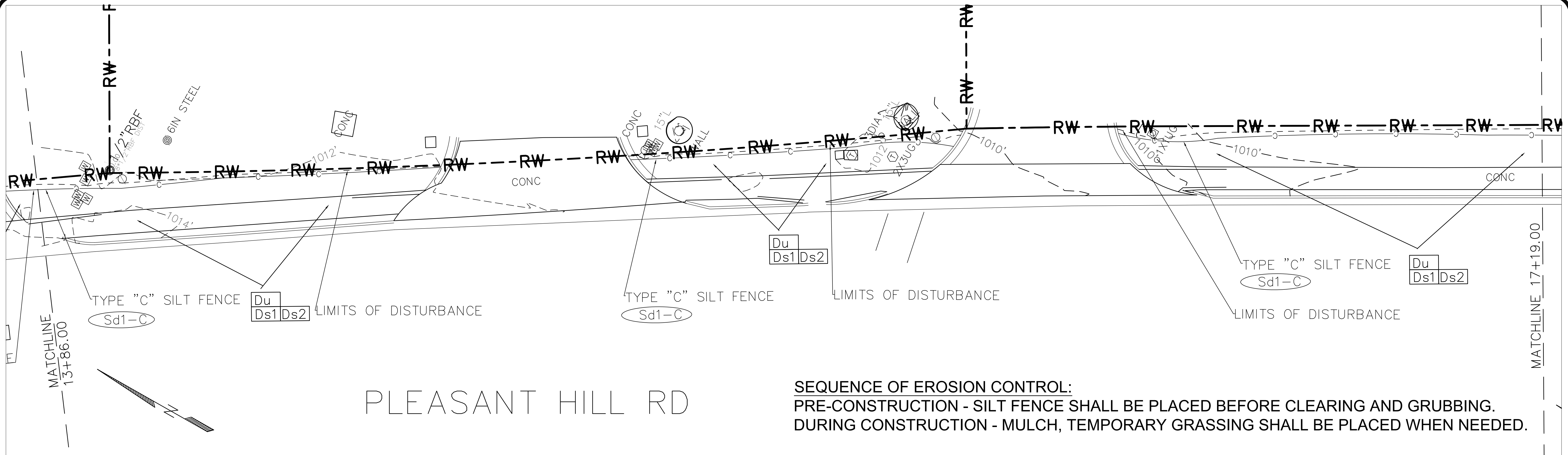
PLEASANT HILL RD

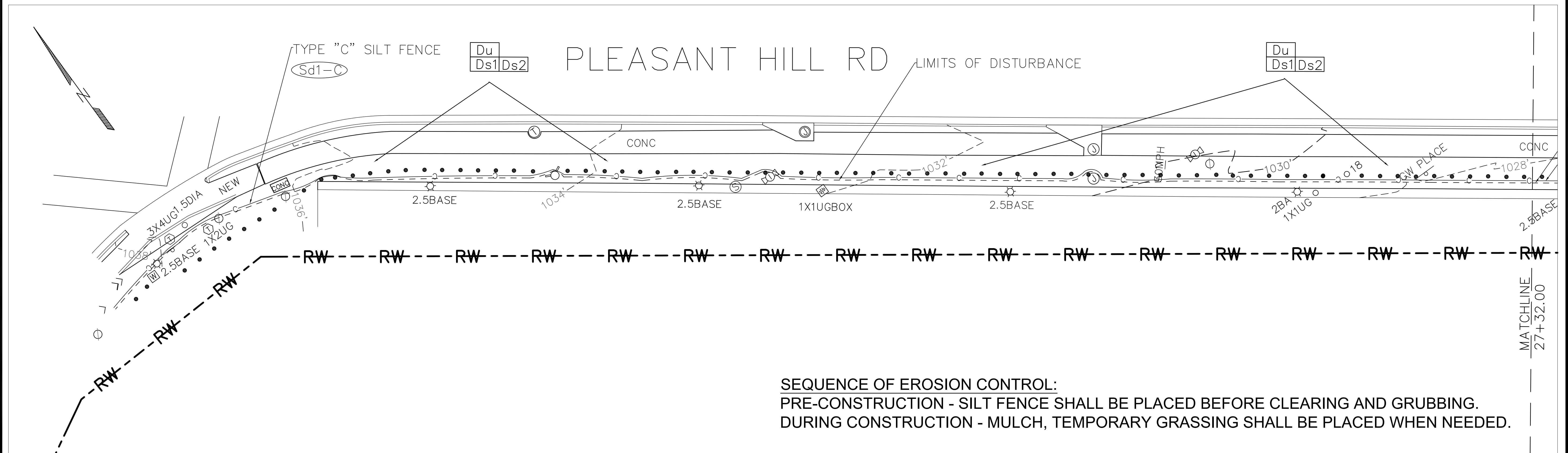
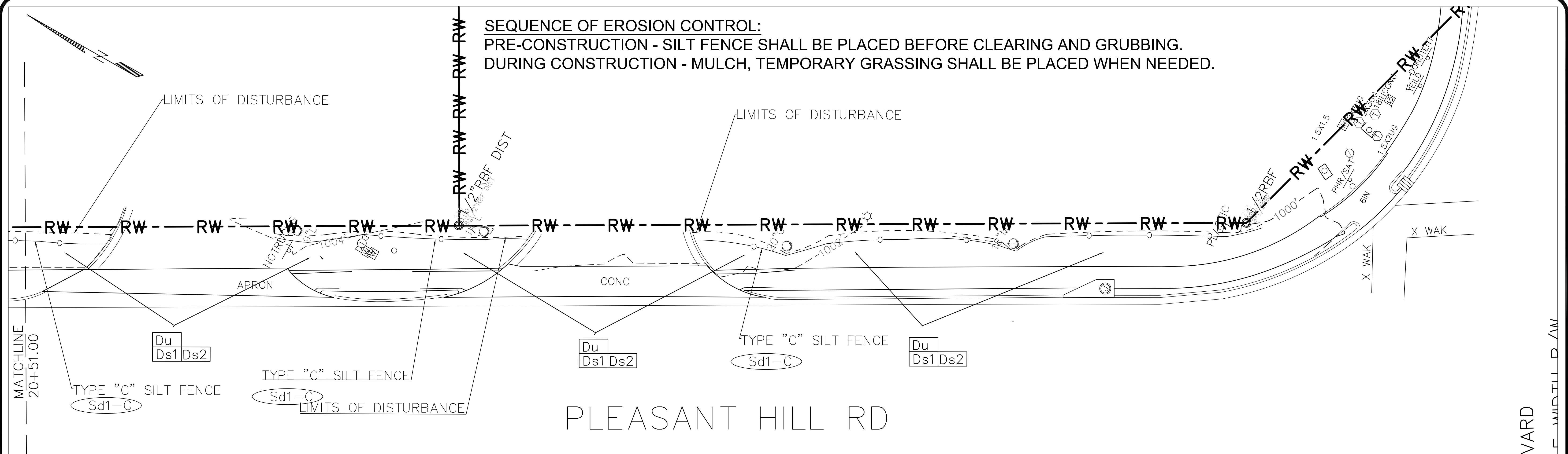


PLEASANT HILL RD

SEQUENCE OF EROSION CONTROL:
PRE-CONSTRUCTION - SILT FENCE SHALL BE PLACED BEFORE CLEARING AND GRUBBING.
DURING CONSTRUCTION - MULCH, TEMPORARY GRASSING SHALL BE PLACED WHEN NEEDED.

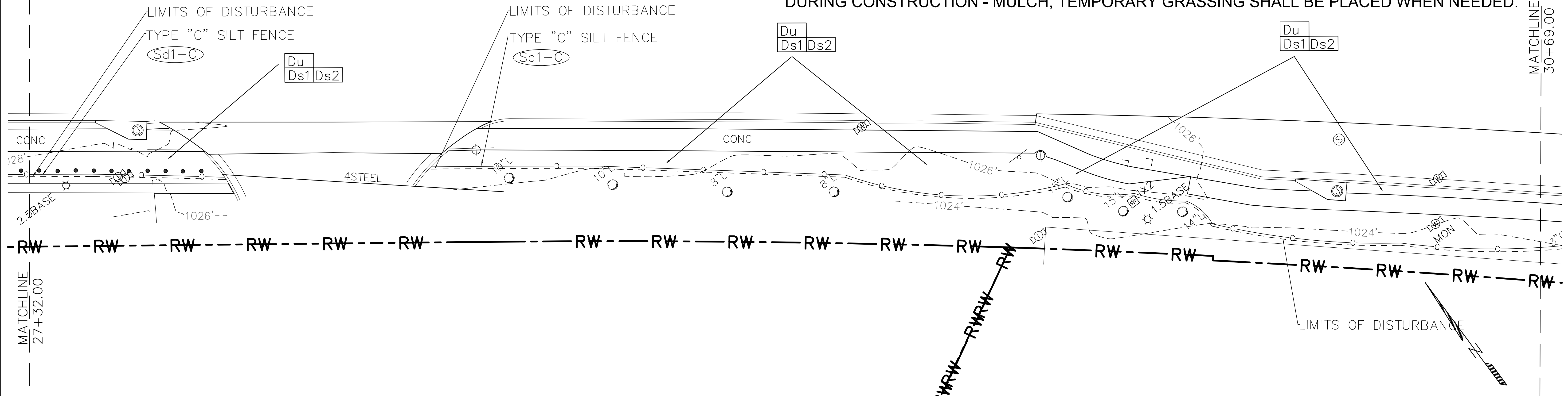




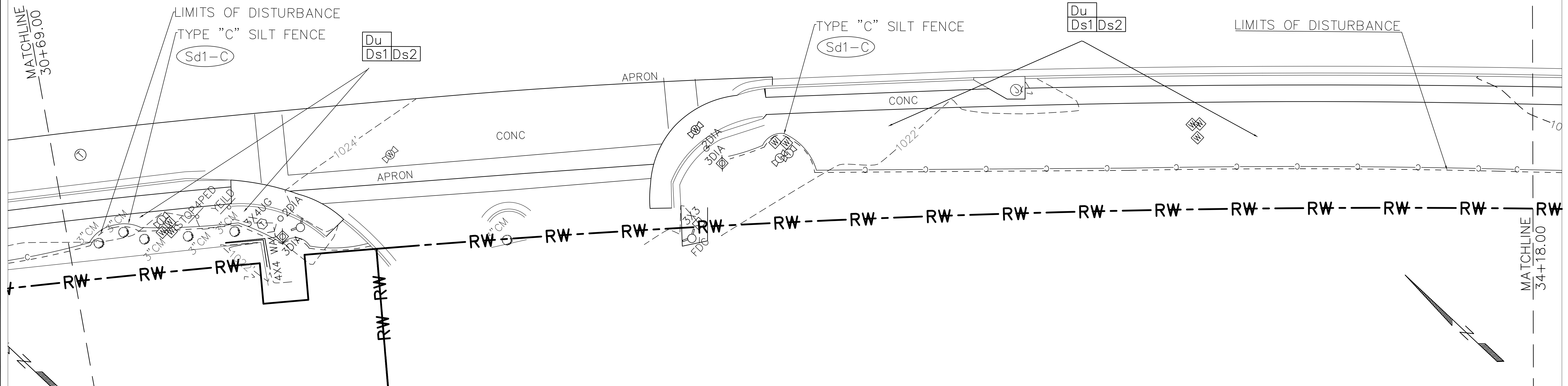


PLEASANT HILL RD

PRE-CONSTRUCTION - SILT FENCE SHALL BE PLACED BEFORE CLEARING AND GRUBBING.
DURING CONSTRUCTION - MULCH, TEMPORARY GRASSING SHALL BE PLACED WHEN NEEDED. E



PRE-CONSTRUCTION - SILT FENCE SHALL BE PLACED BEFORE CLEARING AND GRUBBING.
DURING CONSTRUCTION - MULCH, TEMPORARY GRASSING SHALL BE PLACED WHEN NEEDED.



PLEASANT HILL RD

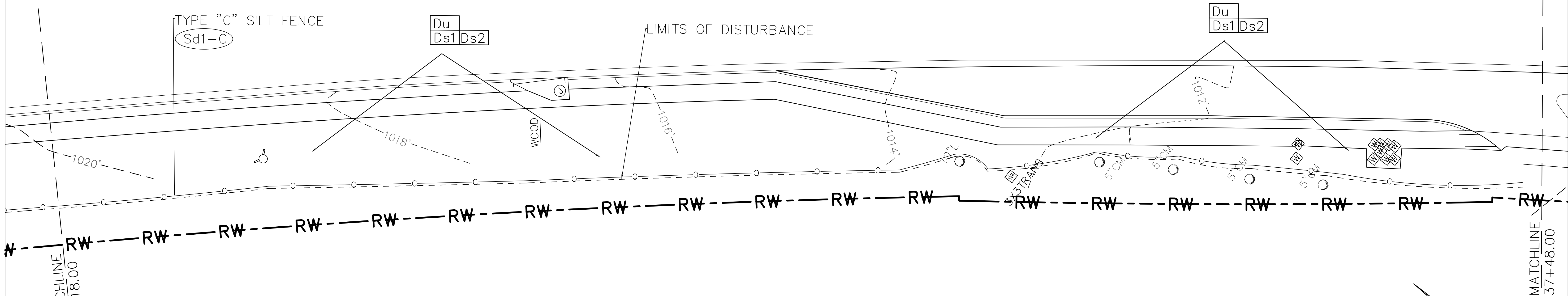
TYPE "C" SILT FENCE

Sd1-C

Du
Ds1 Ds2

LIMITS OF DISTURBANCE

Du
Ds1 Ds2



SEQUENCE OF EROSION CONTROL:
PRE-CONSTRUCTION - SILT FENCE SHALL BE PLACED BEFORE CLEARING AND GRUBBING.
DURING CONSTRUCTION - MULCH, TEMPORARY GRASSING SHALL BE PLACED WHEN NEEDED.

PLEASANT HILL RD

TYPE "C" SILT FENCE

Sd1-C

LIMITS OF DISTURBANCE

Du
Ds1 Ds2

TYPE "C" SILT FENCE

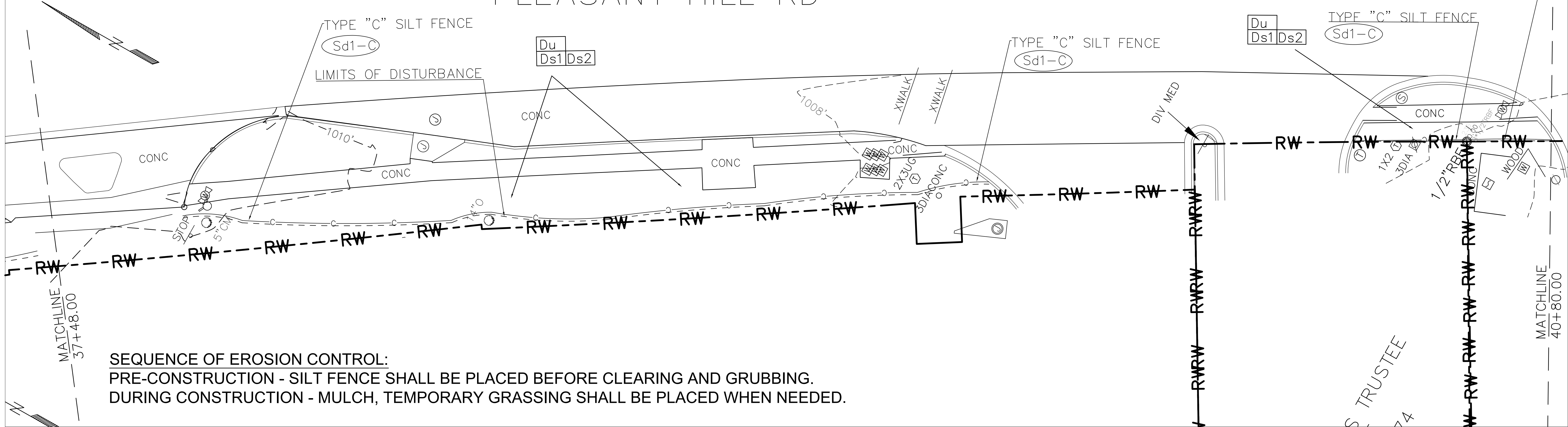
Sd1-C

LIMITS OF DISTURBANCE

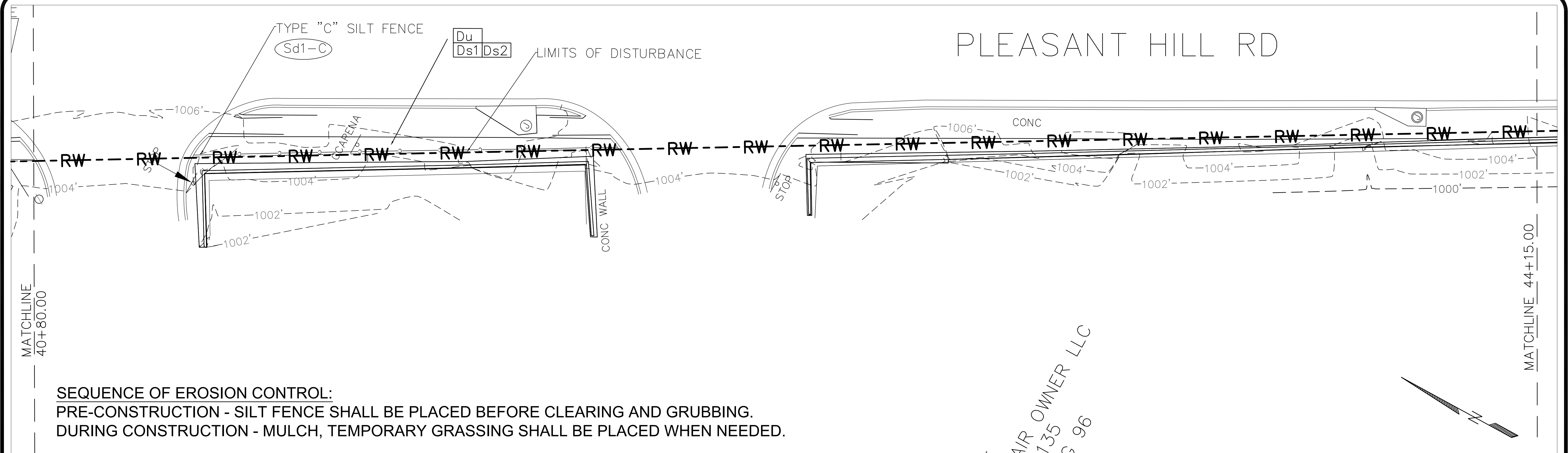
TYPE "C" SILT FENCE

Sd1-C

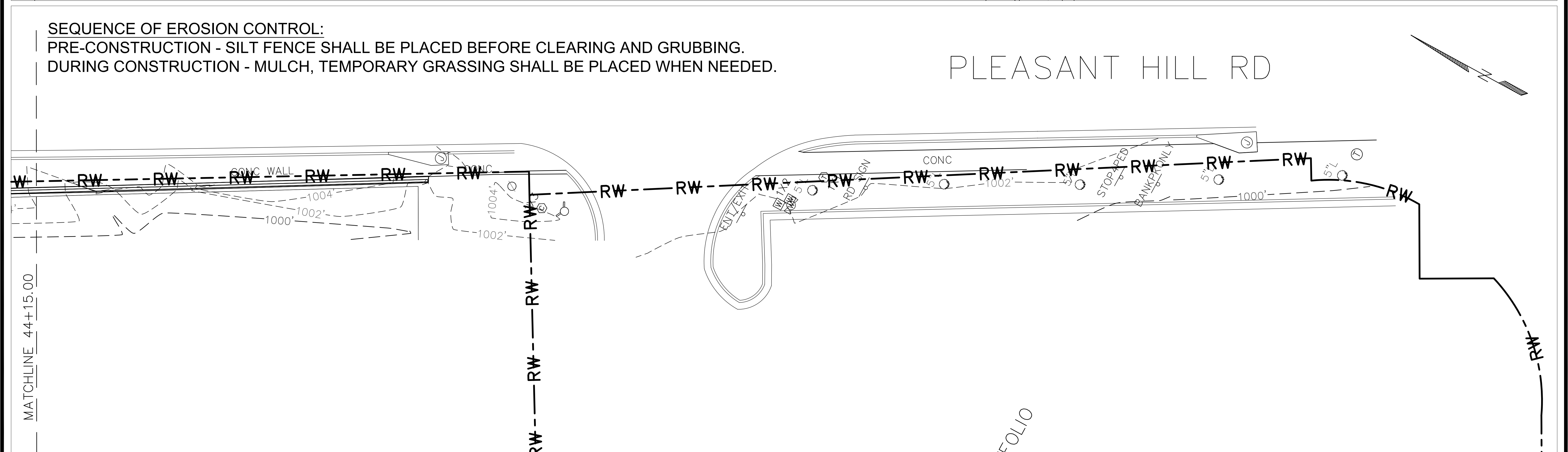
Du
Ds1 Ds2



SEQUENCE OF EROSION CONTROL:
PRE-CONSTRUCTION - SILT FENCE SHALL BE PLACED BEFORE CLEARING AND GRUBBING.
DURING CONSTRUCTION - MULCH, TEMPORARY GRASSING SHALL BE PLACED WHEN NEEDED.



SEQUENCE OF EROSION CONTROL:
PRE-CONSTRUCTION - SILT FENCE SHALL BE PLACED BEFORE CLEARING AND GRUBBING.
DURING CONSTRUCTION - MULCH, TEMPORARY GRASSING SHALL BE PLACED WHEN NEEDED.



SEQUENCE OF EROSION CONTROL:
PRE-CONSTRUCTION - SILT FENCE SHALL BE PLACED BEFORE CLEARING AND GRUBBING.
DURING CONSTRUCTION - MULCH, TEMPORARY GRASSING SHALL BE PLACED WHEN NEEDED.

OLD NORCROSS RD

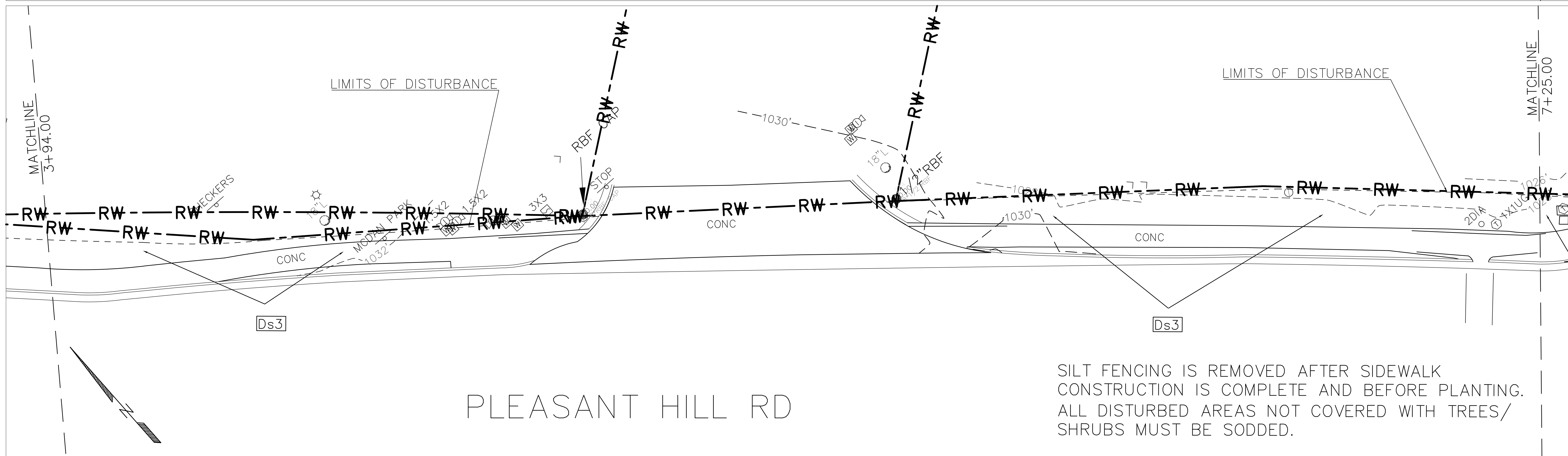
SILT FENCING IS REMOVED AFTER SIDEWALK
CONSTRUCTION IS COMPLETE AND BEFORE PLANTING.
ALL DISTURBED AREAS NOT COVERED WITH TREES/
SHRUBS MUST BE SODDED.

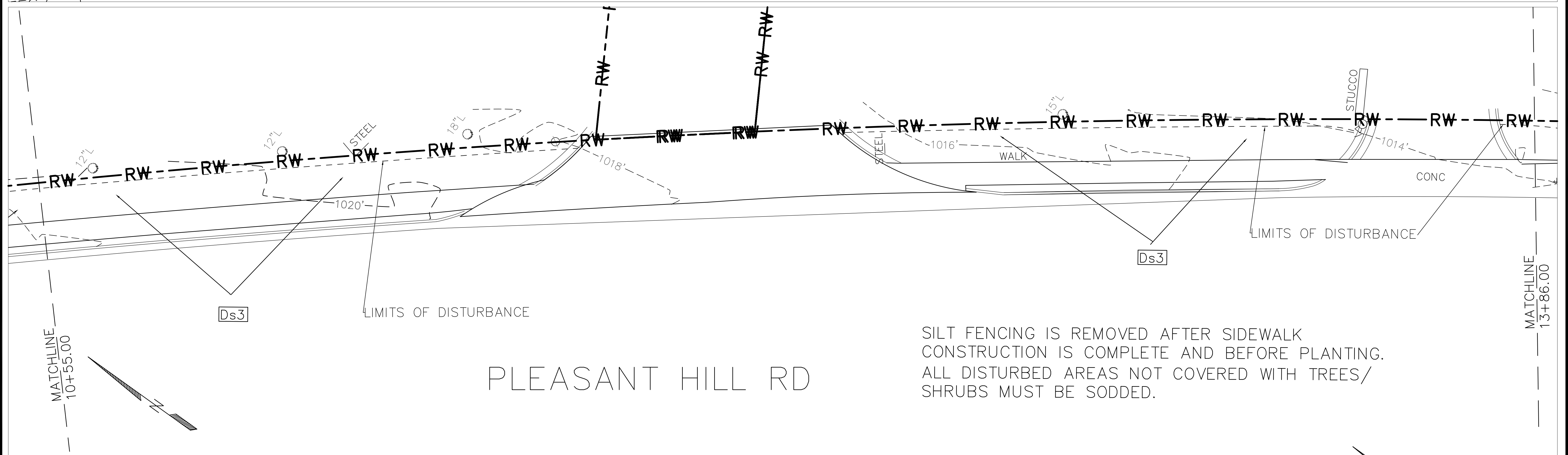
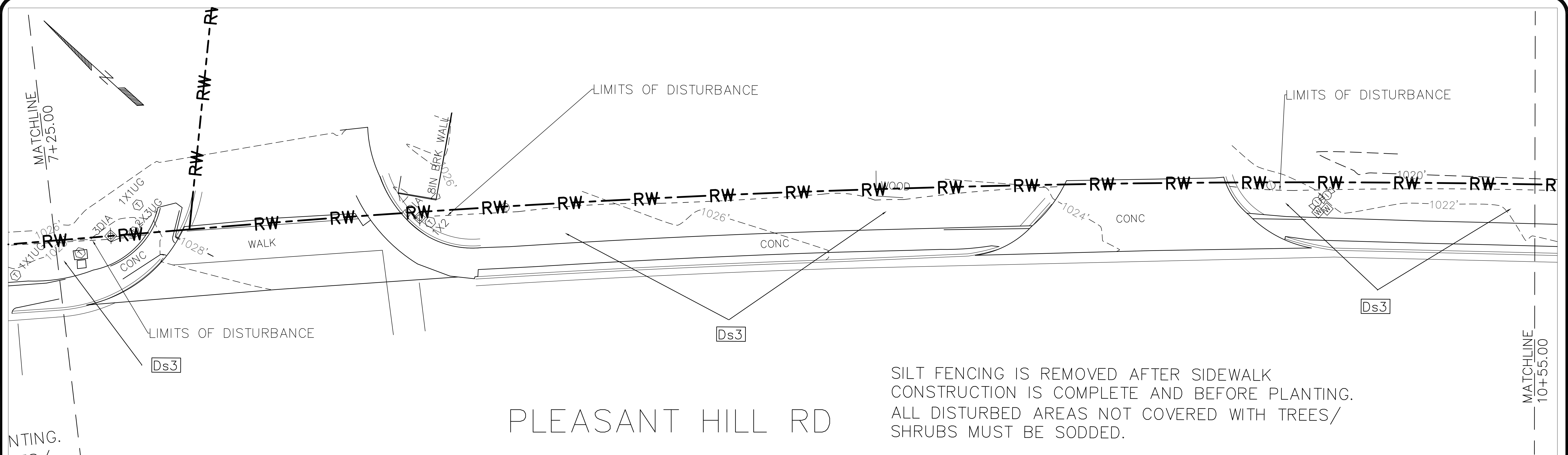
LIMITS OF DISTURBANCE

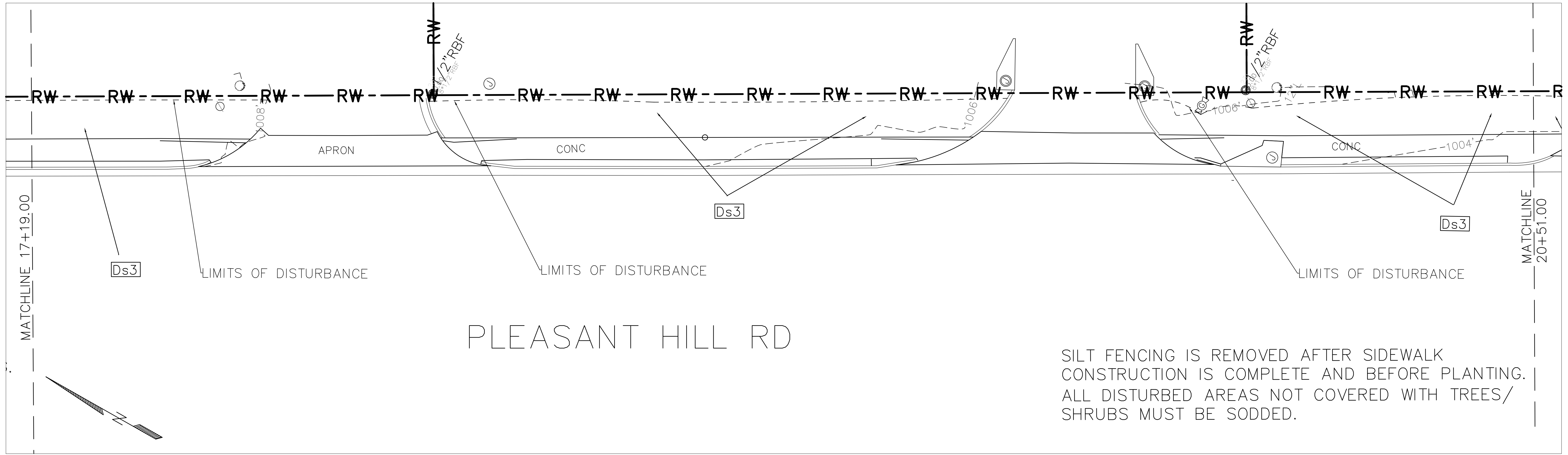
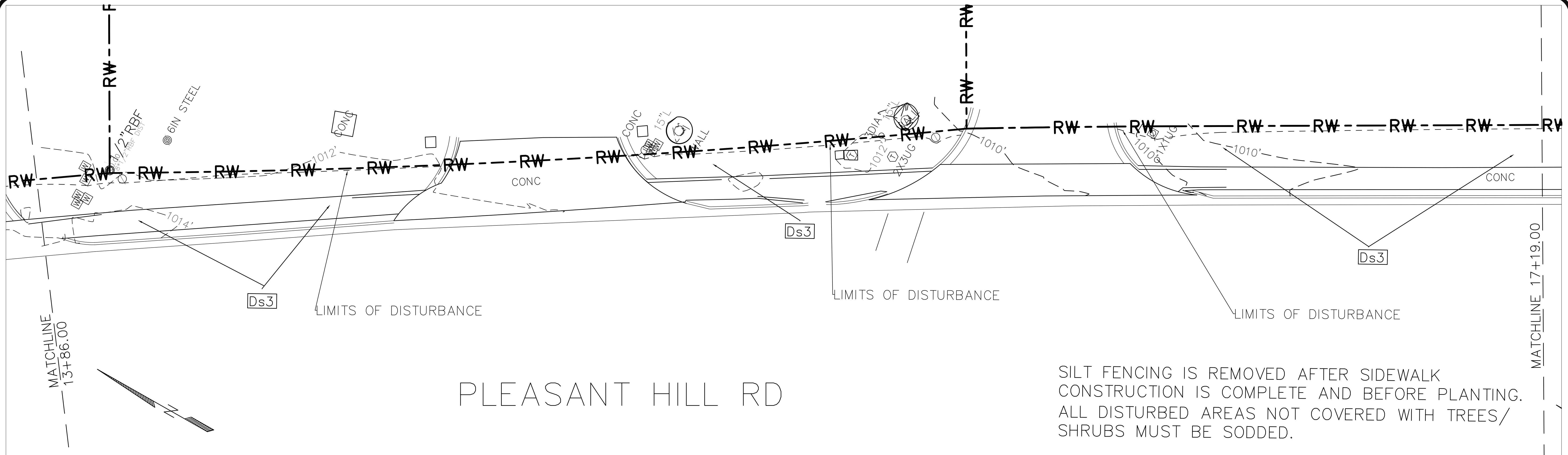
LIMITS OF DISTURBANCE

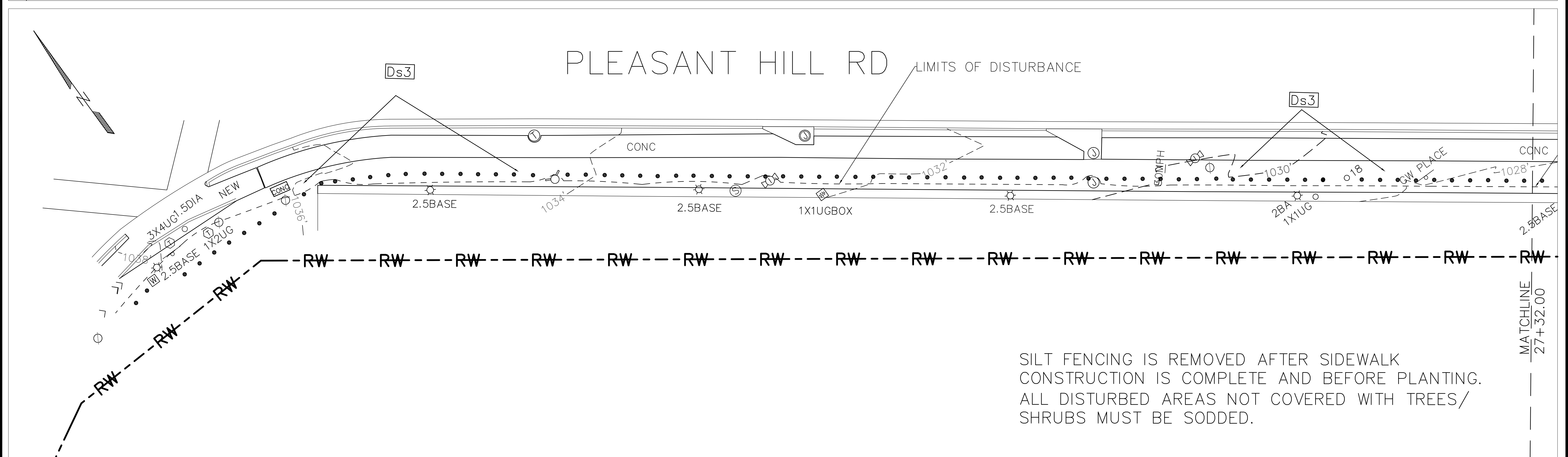
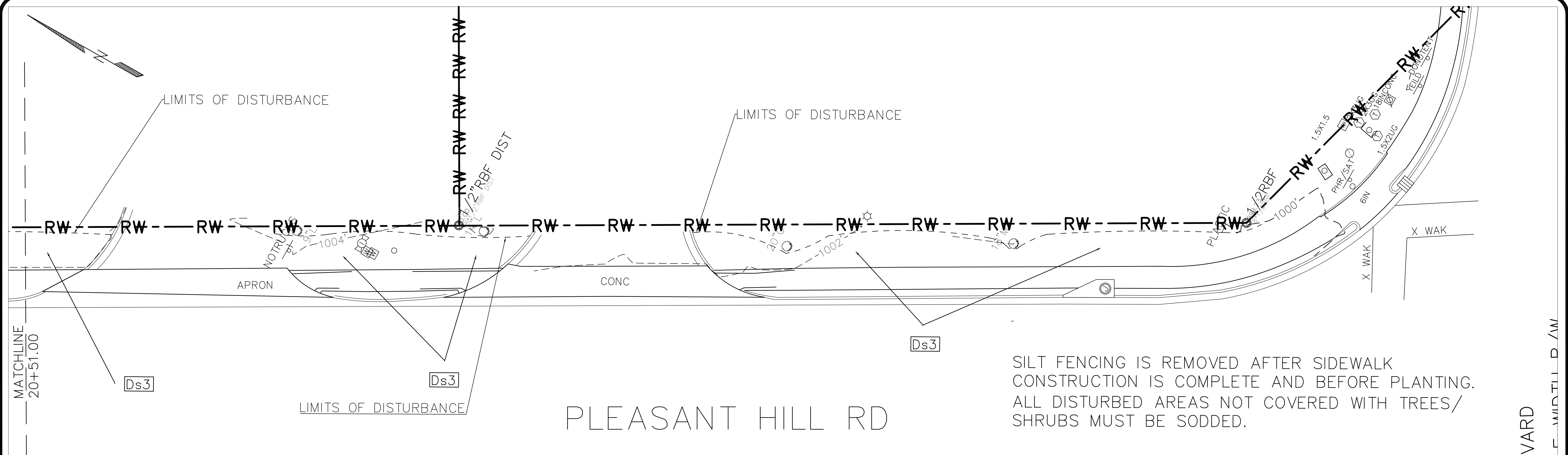
MATCHLINE
3+94.00

PLEASANT HILL RD



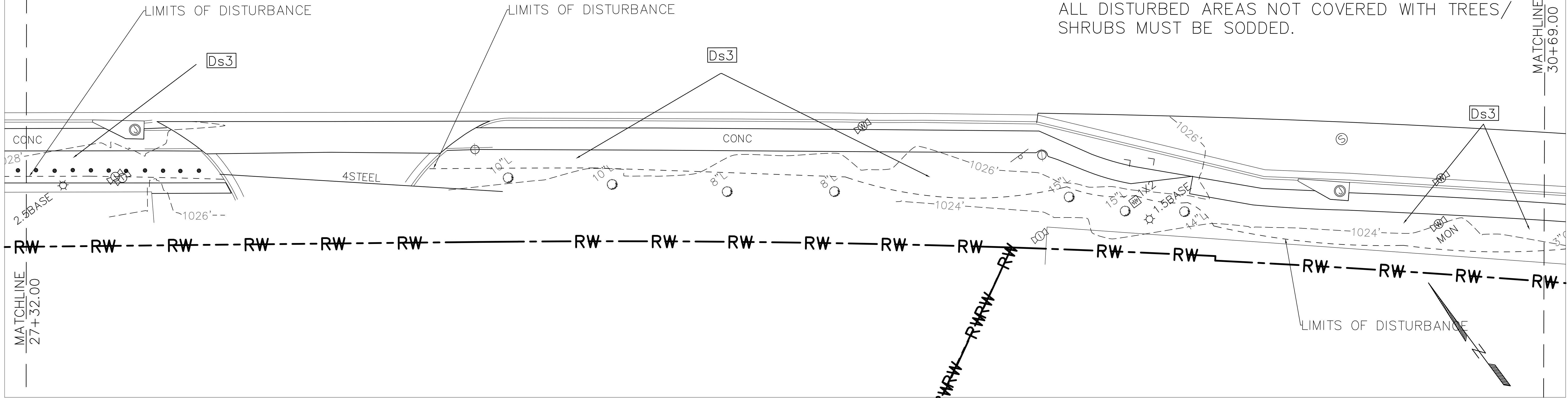






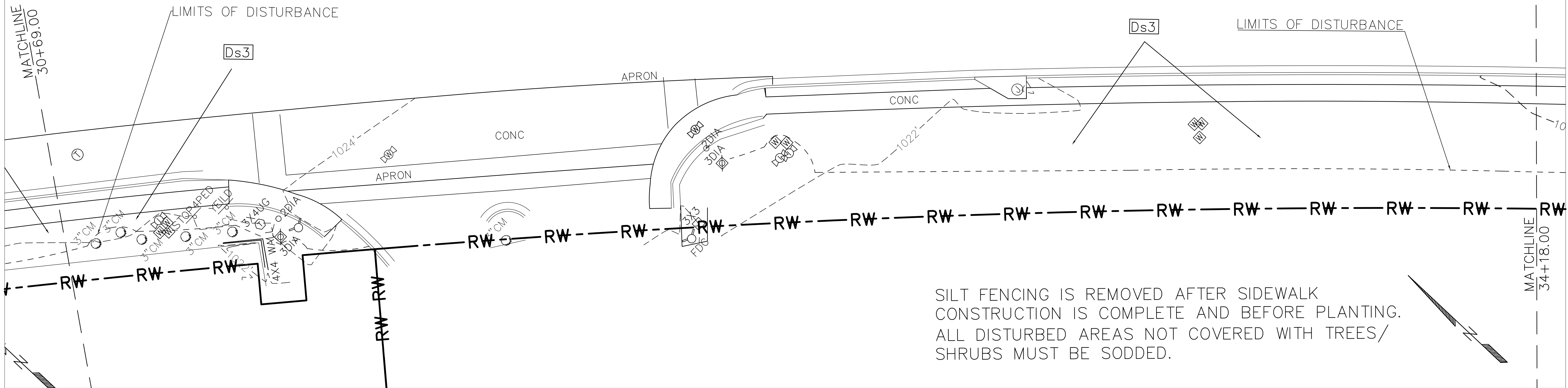
PLEASANT HILL RD

SILT FENCING IS REMOVED AFTER SIDEWALK CONSTRUCTION IS COMPLETE AND BEFORE PLANTING. ALL DISTURBED AREAS NOT COVERED WITH TREES/ SHRUBS MUST BE SODDED.

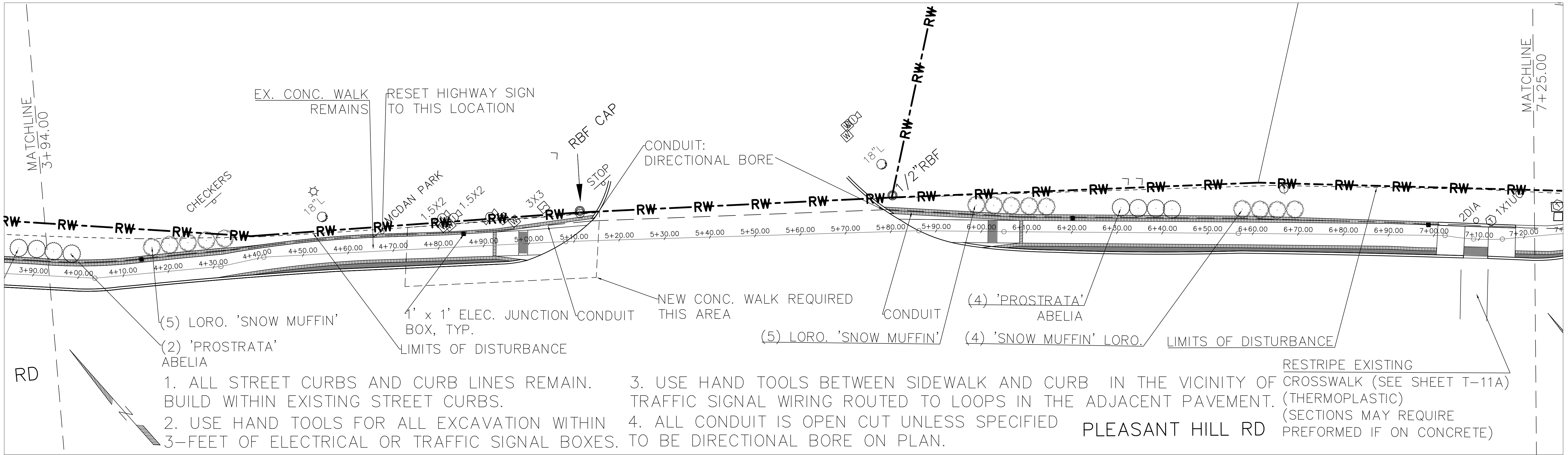
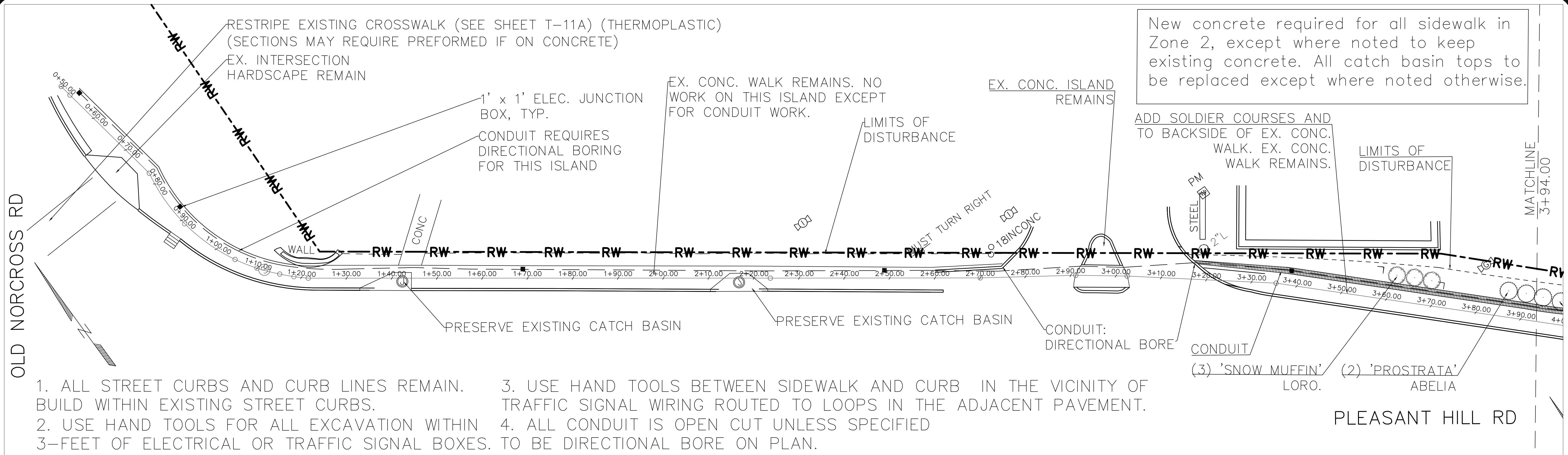


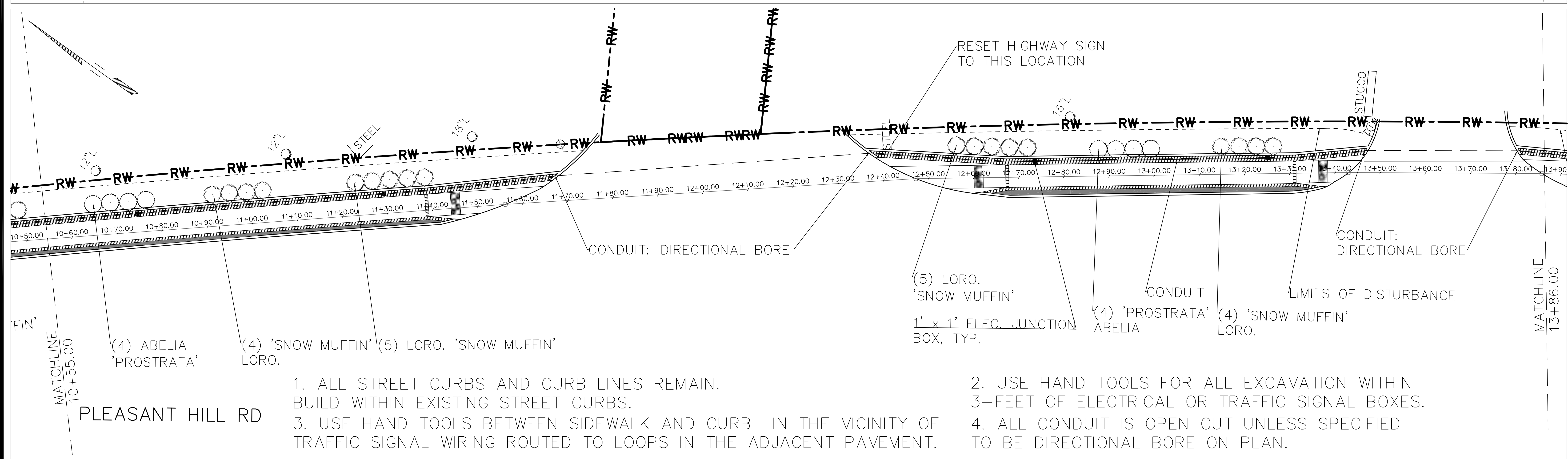
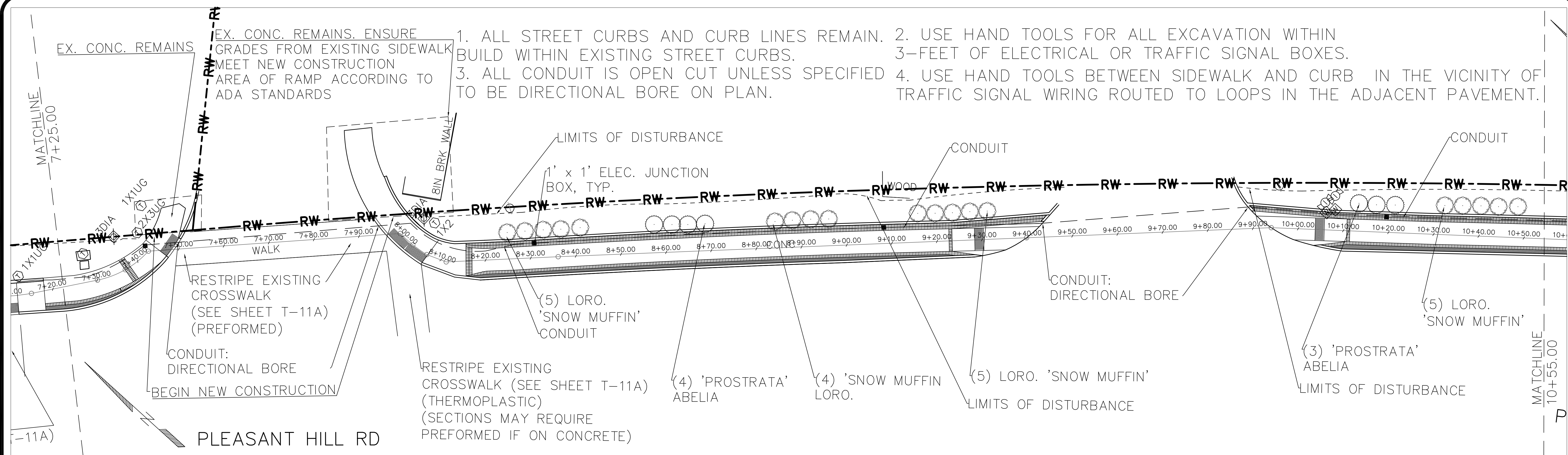
PLEASANT HILL RD

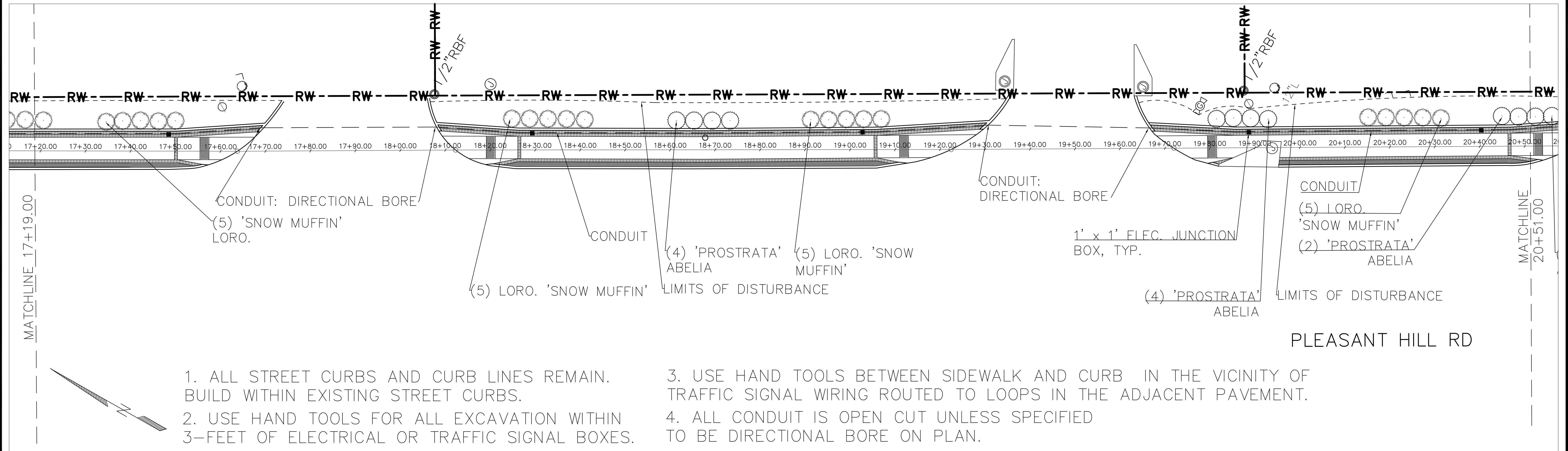
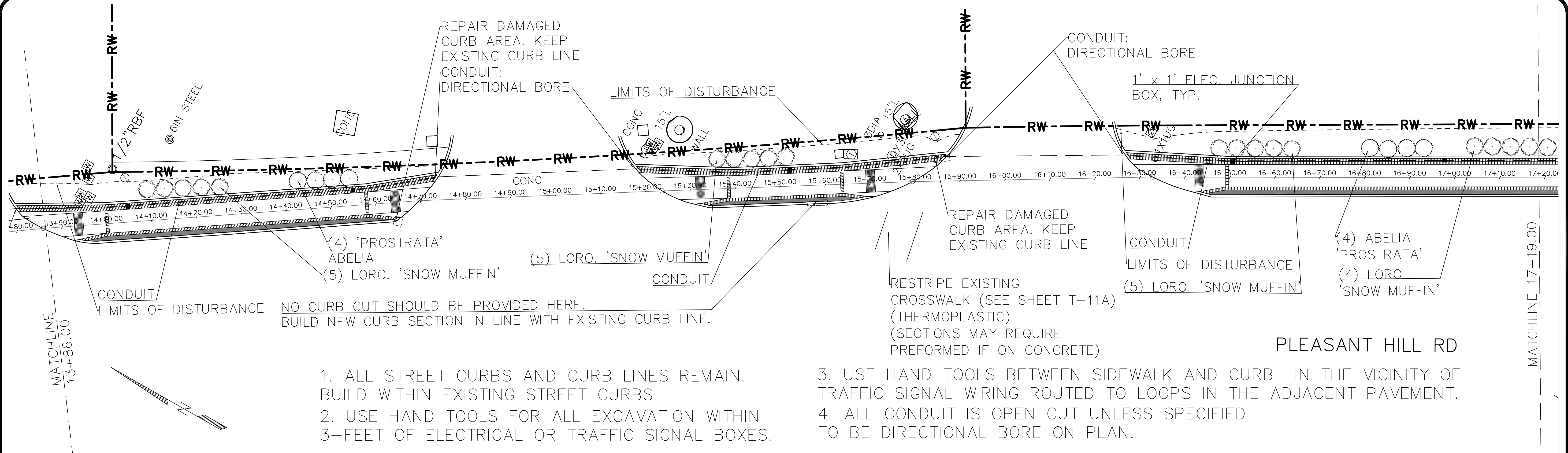
SILT FENCING IS REMOVED AFTER SIDEWALK CONSTRUCTION IS COMPLETE AND BEFORE PLANTING. ALL DISTURBED AREAS NOT COVERED WITH TREES/ SHRUBS MUST BE SODDED.



[illegible]

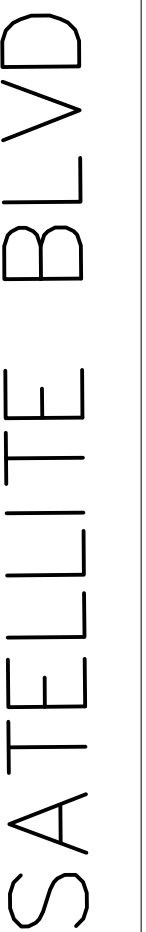






2. USE HAND TOOLS FOR ALL EXCAVATION WITHIN 3- FEET OF ELECTRICAL OR TRAFFIC SIGNAL BOXES.
4. USE HAND TOOLS BETWEEN SIDEWALK AND CURB IN THE VICINITY OF TRAFFIC SIGNAL WIRING ROUTED TO LOOPS IN THE ADJACENT PAVEMENT.

END CONSTRUCTION. CONDUIT MAY REQUIRE
DIRECTIONAL BORING WHERE CONCRETE IS TO REMAIN
LIMITS OF DISTURBANCE CONDUIT

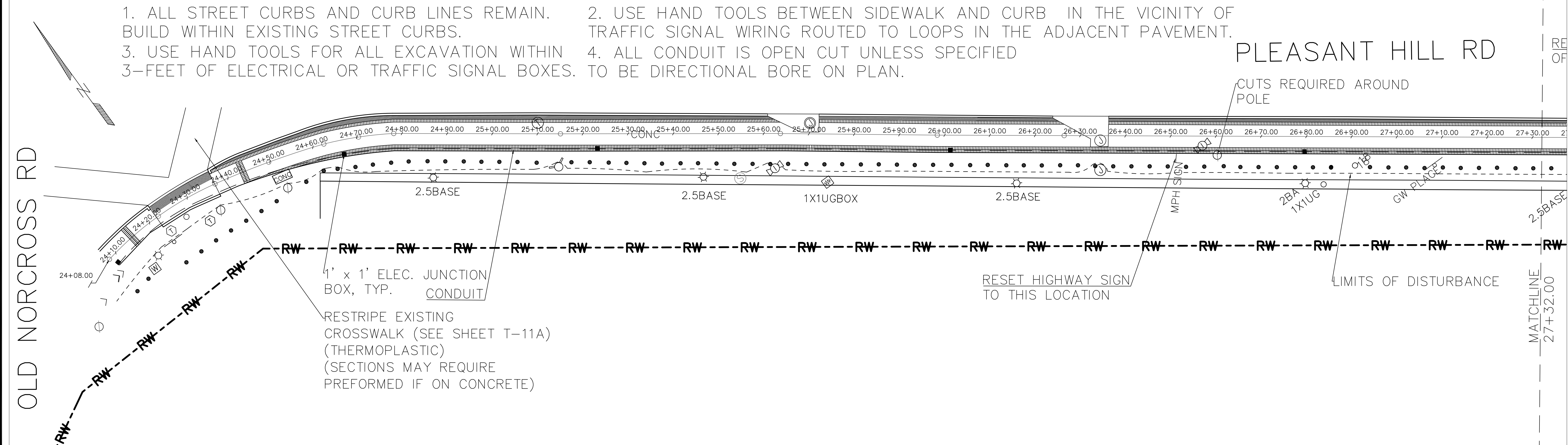


- PLEASANT HILL RD

RESET HIGHWAY SIGN
TO THIS LOCATION

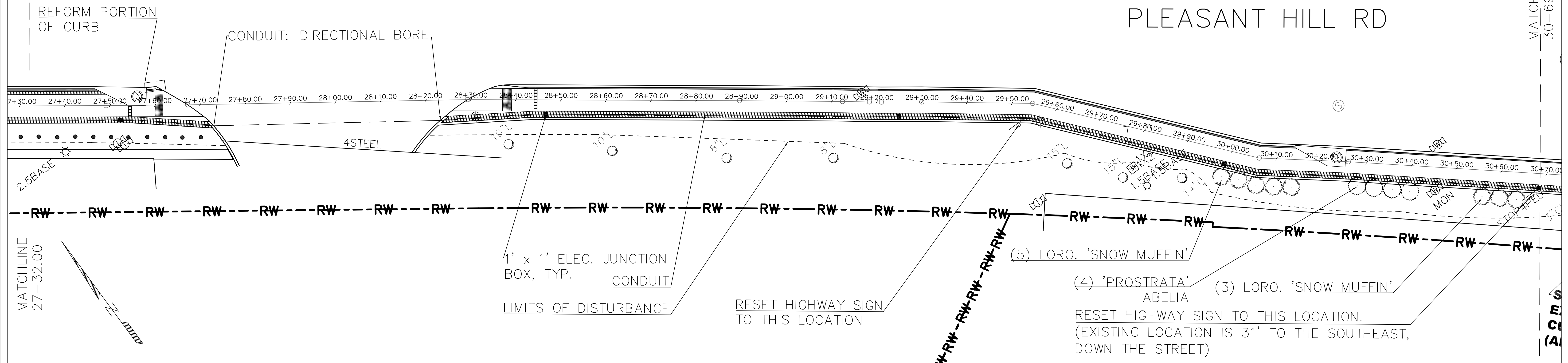
1' x 1' ELEC. JUNCTION
BOX, TYP. CONDUIT

RESTRIPE EXISTING
CROSSWALK (SEE SHEET T-11A)
(THERMOPLASTIC)
(SECTIONS MAY REQUIRE
PREFORMED IF ON CONCRETE)



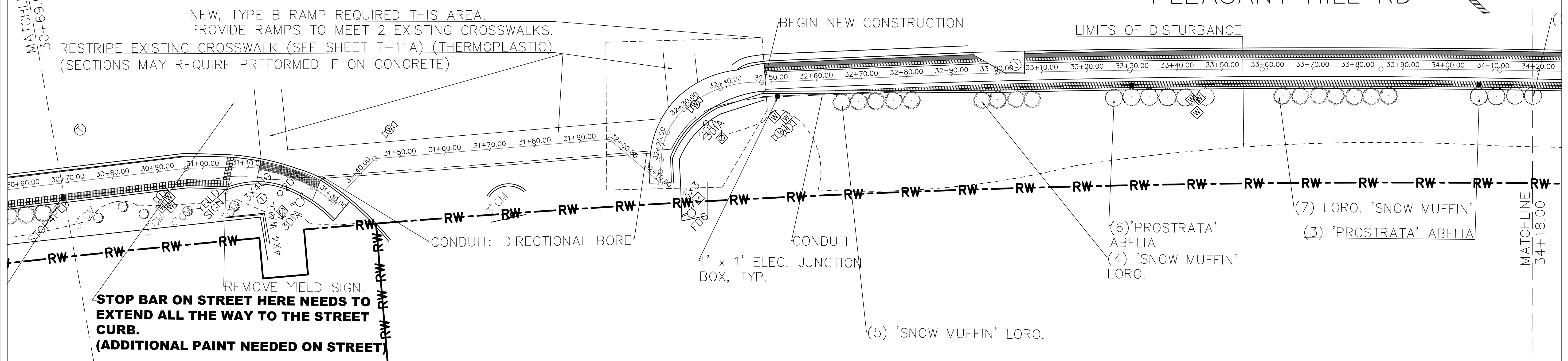
1. ALL STREET CURBS AND CURB LINES REMAIN. BUILD WITHIN EXISTING STREET CURBS.
2. USE HAND TOOLS FOR ALL EXCAVATION WITHIN 3- FEET OF ELECTRICAL OR TRAFFIC SIGNAL BOXES.

3. USE HAND TOOLS BETWEEN SIDEWALK AND CURB IN THE VICINITY OF TRAFFIC SIGNAL WIRING ROUTED TO LOOPS IN THE ADJACENT PAVEMENT.
4. ALL CONDUIT IS OPEN CUT UNLESS SPECIFIED TO BE DIRECTIONAL BORE ON PLAN.



1. ALL STREET CURBS AND CURB LINES REMAIN. BUILD WITHIN EXISTING STREET CURBS.
2. USE HAND TOOLS FOR ALL EXCAVATION WITHIN 3- FEET OF ELECTRICAL OR TRAFFIC SIGNAL BOXES.

3. USE HAND TOOLS BETWEEN SIDEWALK AND CURB IN THE VICINITY OF TRAFFIC SIGNAL WIRING ROUTED TO LOOPS IN THE ADJACENT PAVEMENT.
4. ALL CONDUIT IS OPEN CUT UNLESS SPECIFIED TO BE DIRECTIONAL BORE ON PLAN.

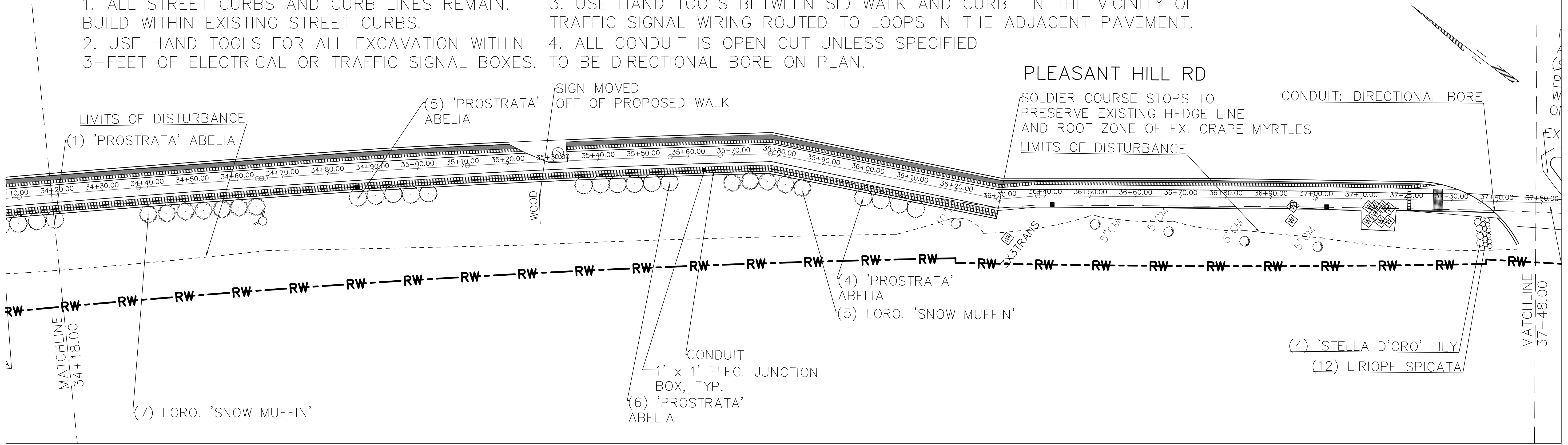


1. ALL STREET CURBS AND CURB LINES REMAIN.
BUILD WITHIN EXISTING STREET CURBS.

2. USE HAND TOOLS FOR ALL EXCAVATION WITHIN
3- FEET OF ELECTRICAL OR TRAFFIC SIGNAL BOXES.

3. USE HAND TOOLS BETWEEN SIDEWALK AND CURB IN THE VICINITY OF
TRAFFIC SIGNAL WIRING ROUTED TO LOOPS IN THE ADJACENT PAVEMENT.

4. ALL CONDUIT IS OPEN CUT UNLESS SPECIFIED
TO BE DIRECTIONAL BORE ON PLAN.



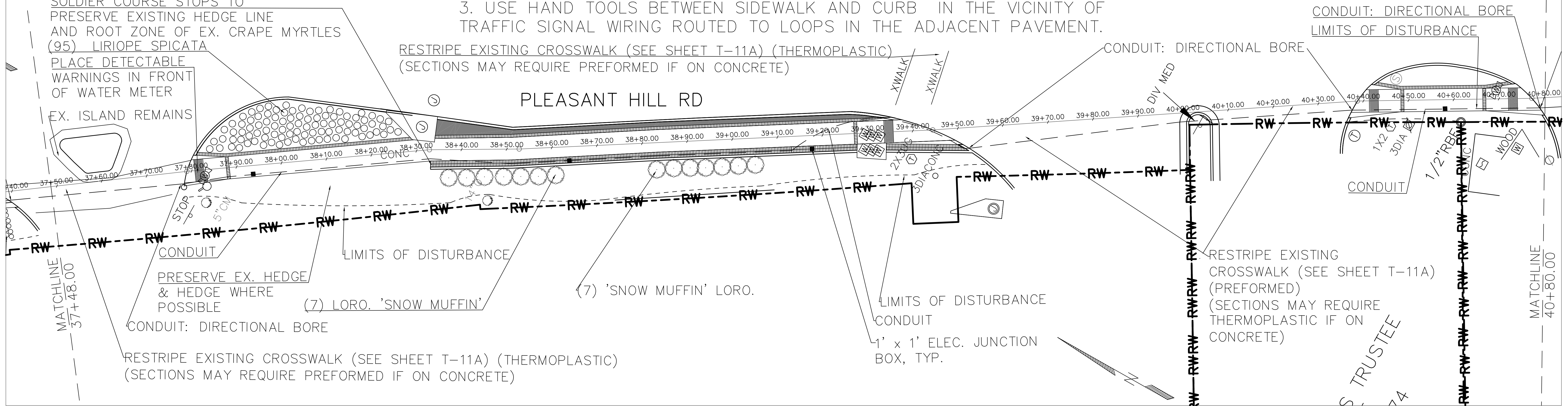
1. ALL STREET CURBS AND CURB LINES REMAIN.
BUILD WITHIN EXISTING STREET CURBS.

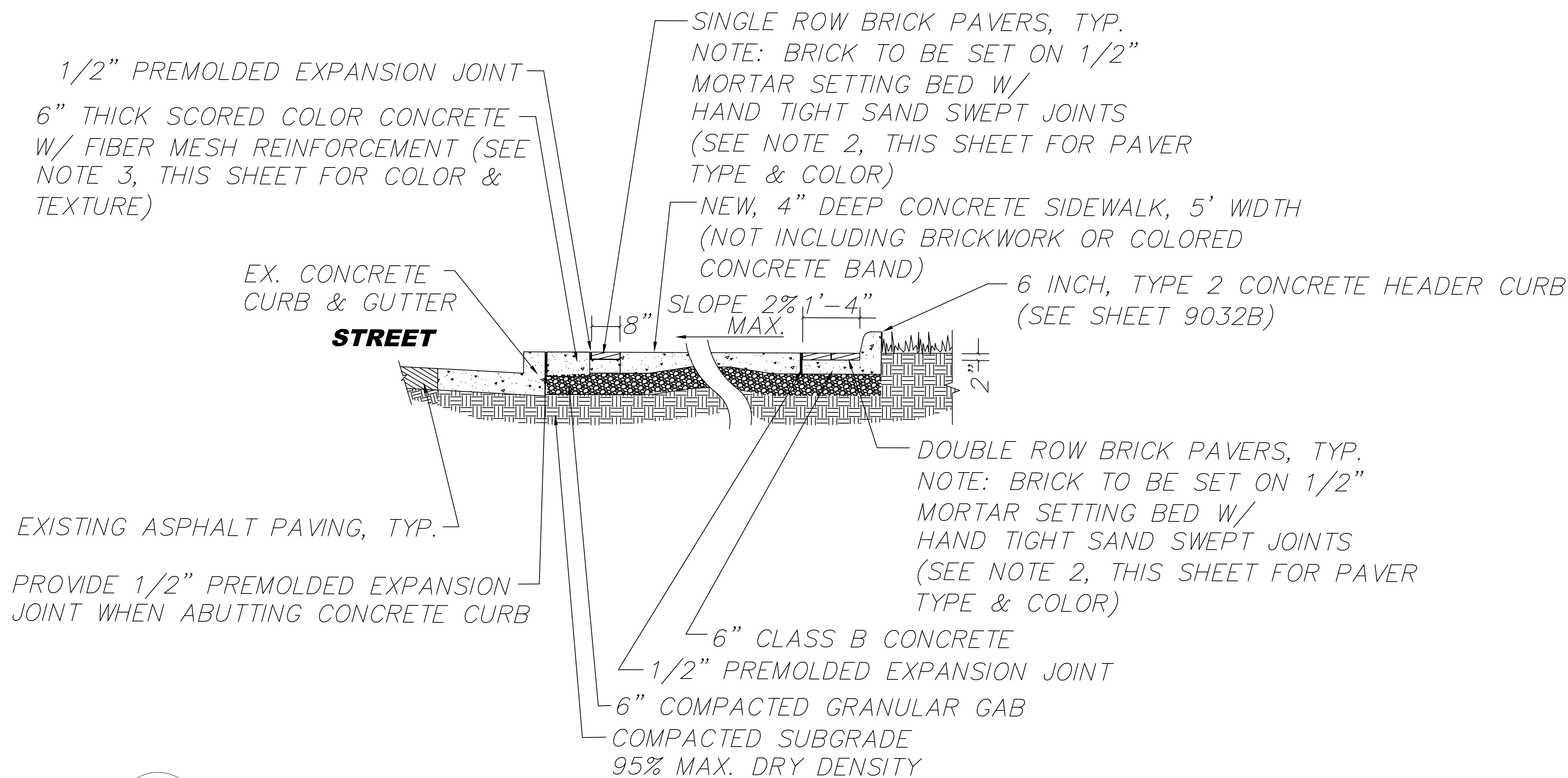
SOLDIER COURSE STOPS TO
PRESERVE EXISTING HEDGE LINE
AND ROOT ZONE OF EX. CRAPE MYRTLES
(95) LIRIOPE SPICATA
PLACE DETECTABLE
WARNINGS IN FRONT
OF WATER METER
EX. ISLAND REMAINS

2. USE HAND TOOLS FOR ALL EXCAVATION WITHIN
3- FEET OF ELECTRICAL OR TRAFFIC SIGNAL BOXES.

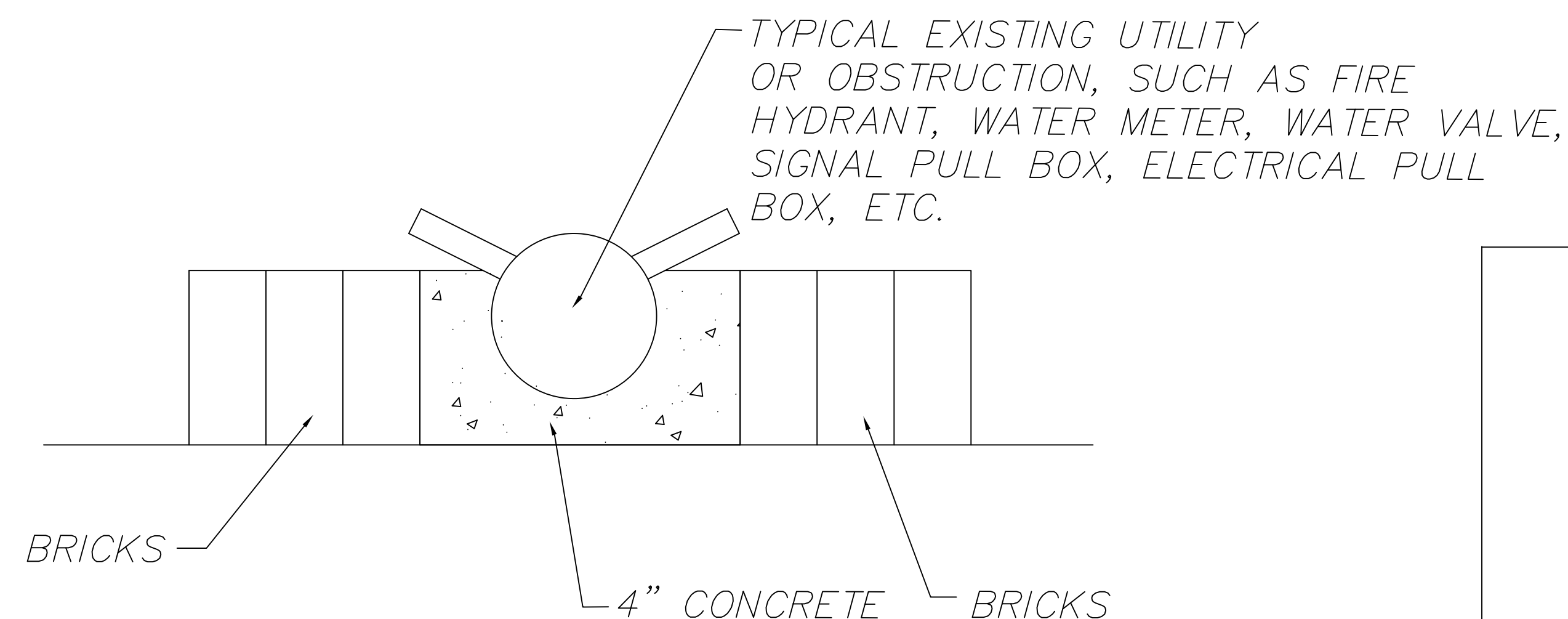
3. USE HAND TOOLS BETWEEN SIDEWALK AND CURB IN THE VICINITY OF
TRAFFIC SIGNAL WIRING ROUTED TO LOOPS IN THE ADJACENT PAVEMENT.

4. ALL CONDUIT IS OPEN CUT UNLESS SPECIFIED
TO BE DIRECTIONAL BORE ON PLAN.





1 TYPICAL SIDEWALK PAVING—CROSS—SECTION



3 UTILITY OBSTRUCTION AREA DETAIL (NTS)

NOTES:

1. ALL NEW BRICKWORK MUST MATCH EXISTING BRICKWORK OF THE EXISTING PLEASANT HILL ROAD SIDEWALK IMPROVEMENTS IN COLOR, STYLE, AND MODEL

2. ALL SITE FURNISHINGS AND MATERIALS COMPLY WITH GWINNETT PLACE COMMUNITY IMPROVEMENT DISTRICT STREETSCAPE STANDARDS.

NOTES:

1. ALL SITE FURNISHINGS AND MATERIALS COMPLY WITH GWINNETT PLACE COMMUNITY IMPROVEMENT DISTRICT STREETSCAPE STANDARDS.

2. BRICK PAVERS

COLORS: HERRINGBONE — PATHWAY RED
PAVER BAND—RED
DETECTABLE WARNING

PAVER—PATHWAY RED

STYLE: TRADITIONAL EDGE
SIZE: PEDESTRIAN—4" X 8" X 2,"

MANUFACTURER

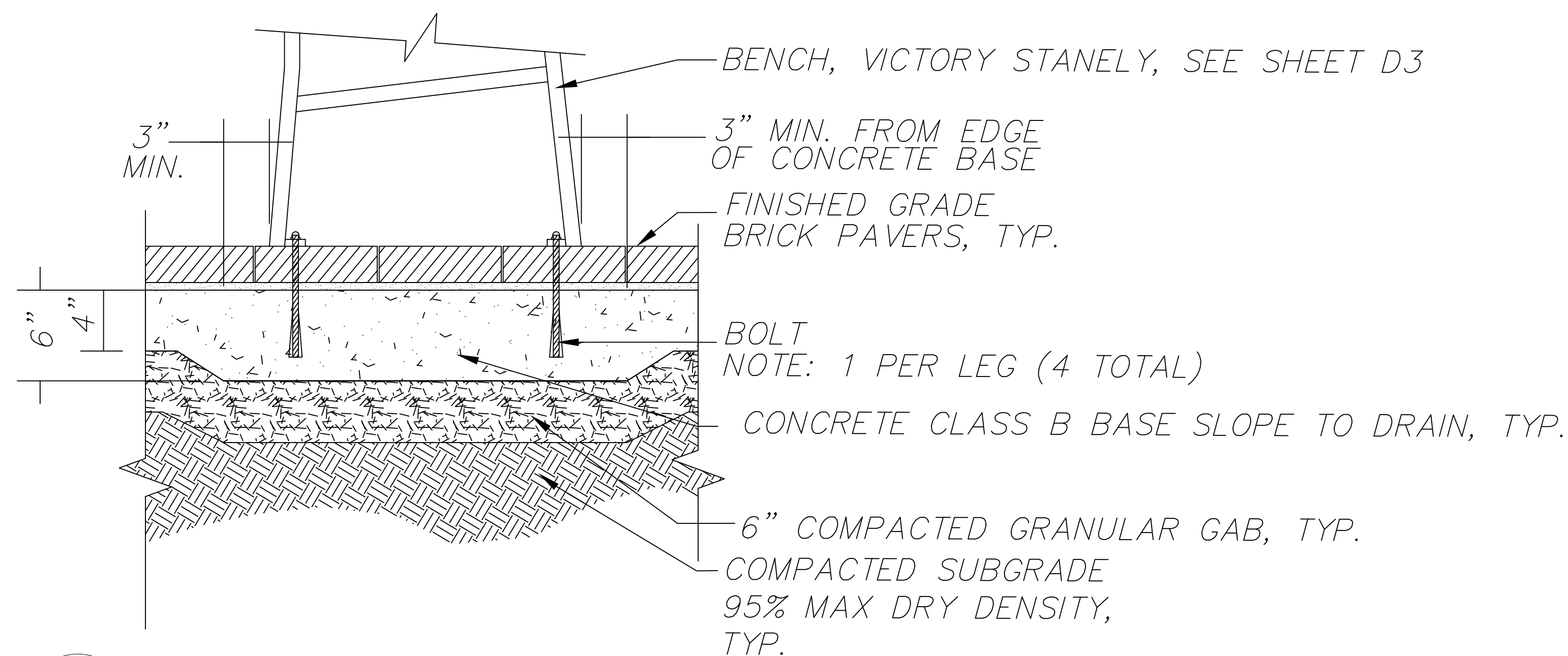
- BORAL BRICK: PHONE: 770-920-6000
- PINE HALL;
- BELGARD;
- NORTH GA BRICK: 770-886-6555
- OR APPROVED EQUAL

3. TEXTURED & SCORED COLORED CONCRETE
COLOR: DARK GRAY(INTEGRAL COLOR)
TEXTURE: ROUGH BROOM FINISH

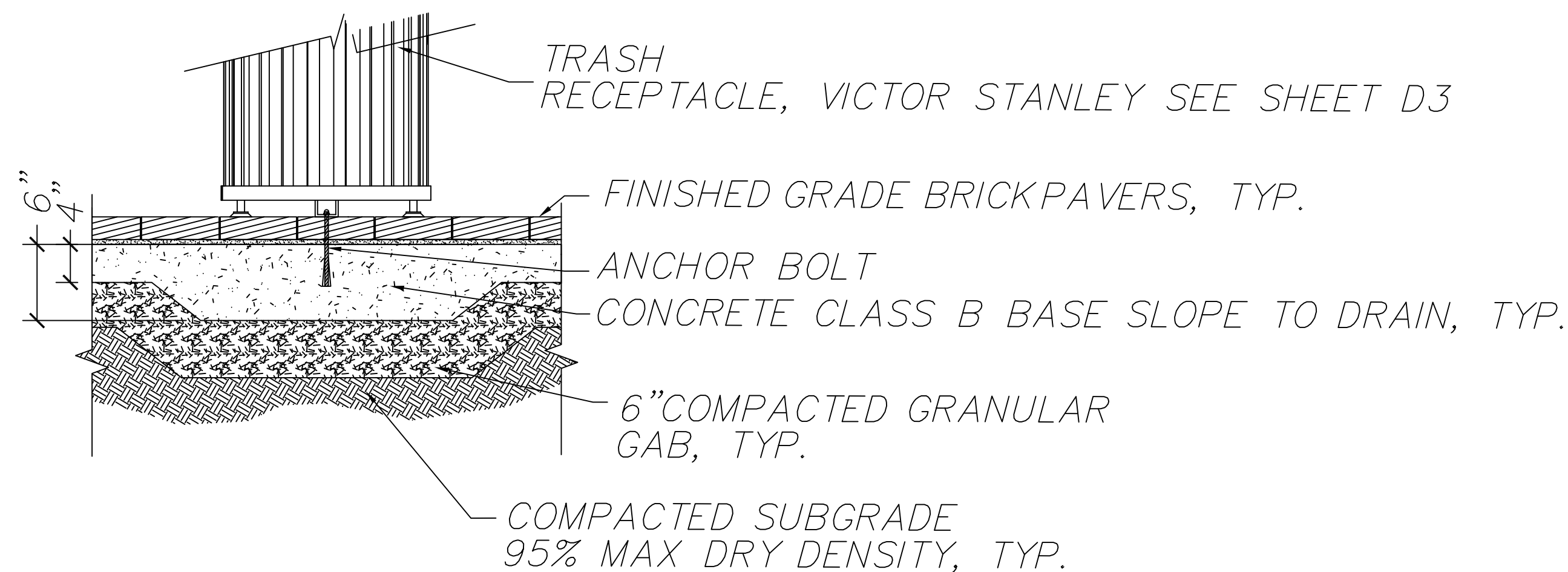
MANUFACTURER

- L.M. SCOFIELD COMPANY; PHONE: 770-920-6000
- GRACE CONCRETE PRODUCTS; PHONE: 404-691-8646
- SURECRETE: PHONE: 352-567-7973
- OR APPROVED EQUAL

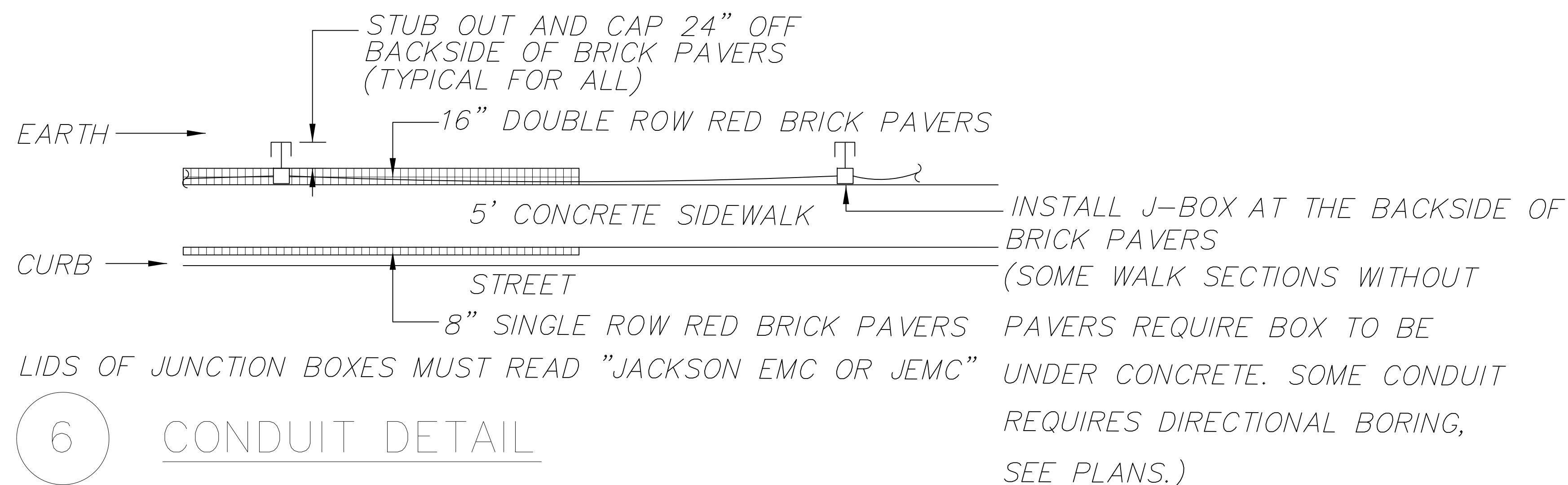
4. CONTRACTOR TO PREPARE CONCRETE AND BRICK SIDEWALK SITE MOCK-UPS FOR REVIEW AND APPROVAL BY PROJECT LANDSCAPE ARCHITECT PRIOR TO FINAL SELECTION AND PURCHASE OF BRICK AND COLORED CONCRETE



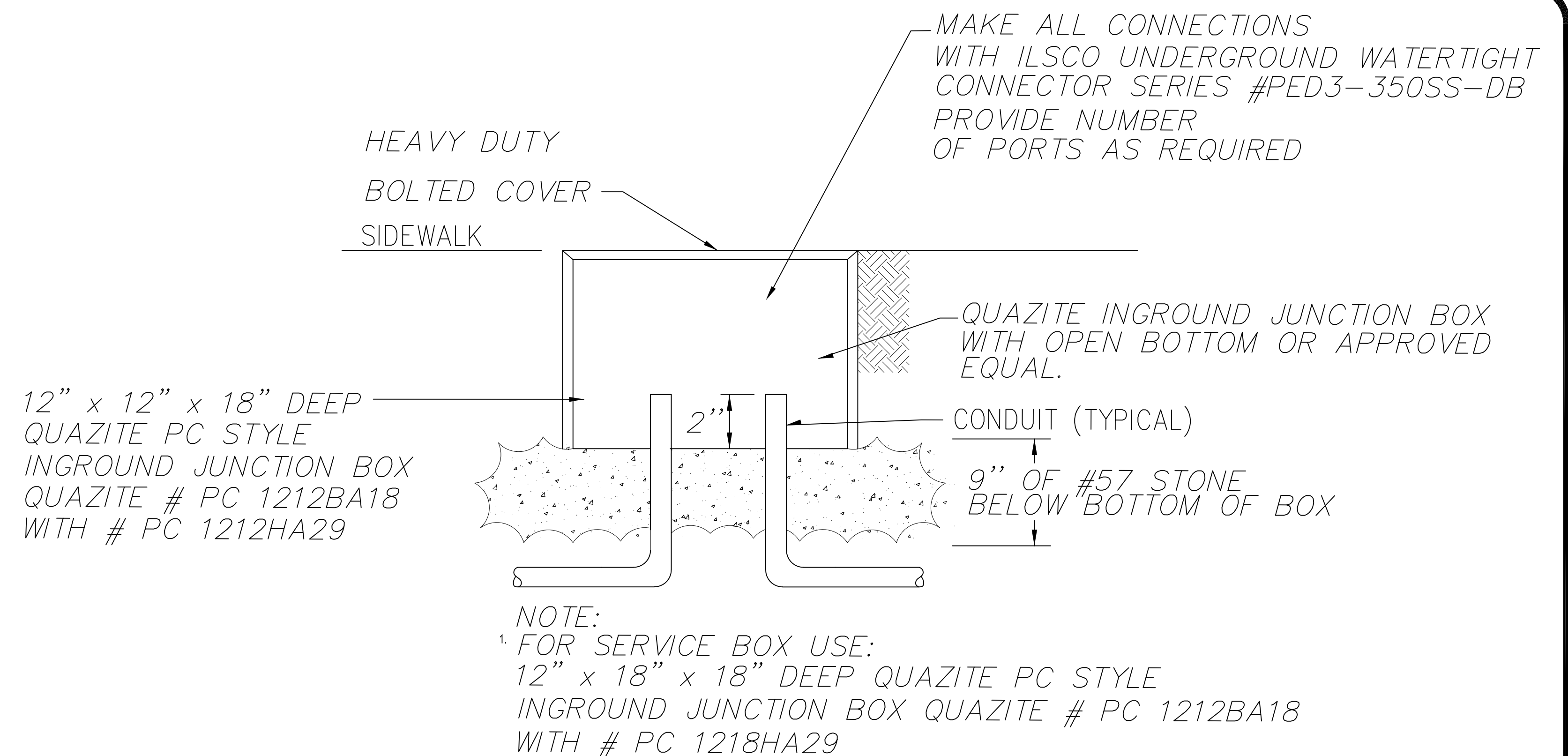
4 BENCHING MOUNTING, NTS



5 TRASH RECEPTACLES, NTS



6 CONDUIT DETAIL



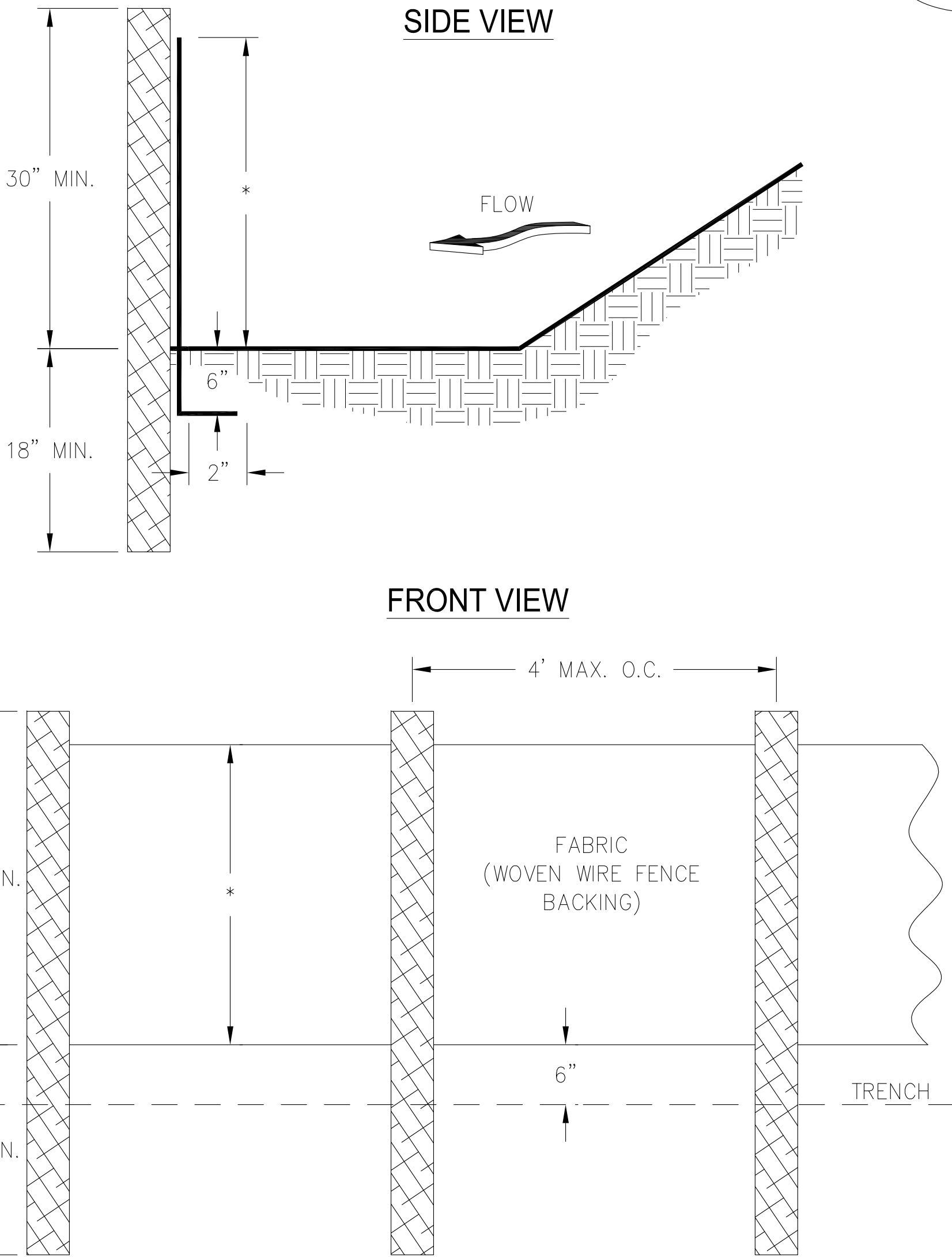
7 TYPICAL IN GROUND JUNCTION BOX INSTALLATION DETAIL

CONDUIT GENERAL NOTES:

- A. NO CONDUIT MAY BE RUN OUTSIDE THE RIGHT OF WAY BOUNDARY OR ON PRIVATE PROPERTY. ROUTE ALL CONDUITS BETWEEN EACH FIXTURE AND BETWEEN LAST FIXTURE AND SERVICE A IN THE MOST DIRECT ROUTE AS POSSIBLE.
- B. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO ANY DIGGING. ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST.
- C. CONTRACTOR SHALL DIRECT BORE WHERE APPLICABLE.
- D. THE CONTRACTOR SHALL INSTALL A NYLON PULL CORD OR GALVANIZED PULL WIRE IN EACH EMPTY CONDUIT. THE COST OF THIS ITEM WILL NOT BE PAID FOR SEPARATELY AND SHALL BE INCLUDED IN THE COST OF THE CONDUIT.
- E. CONDUIT ACCESSORIES SUCH AS EXPANSION JOINTS, PULLBOXES, CONDULETS, ELBOWS, FLEXIBLE CONDUIT, ETC., SHALL BE INCLUDED IN THE PRICE BID FOR CONDUIT.
- F. ALL ELECTRICAL MATERIALS, SUCH AS CONDUIT, CABLES, WIRES AND JBOXES, SHALL BE UL LISTED AND MEET THE REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE AND THE AMERICAN NATIONAL STANDARDS INSTITUTE. ELECTRICAL CONDUITS, WIRES, CIRCUIT SPECIFICATIONS AND SHALL BE IN ACCORDANCE WITH GDOT'S QUALIFIED PRODUCTS LIST (QPL).

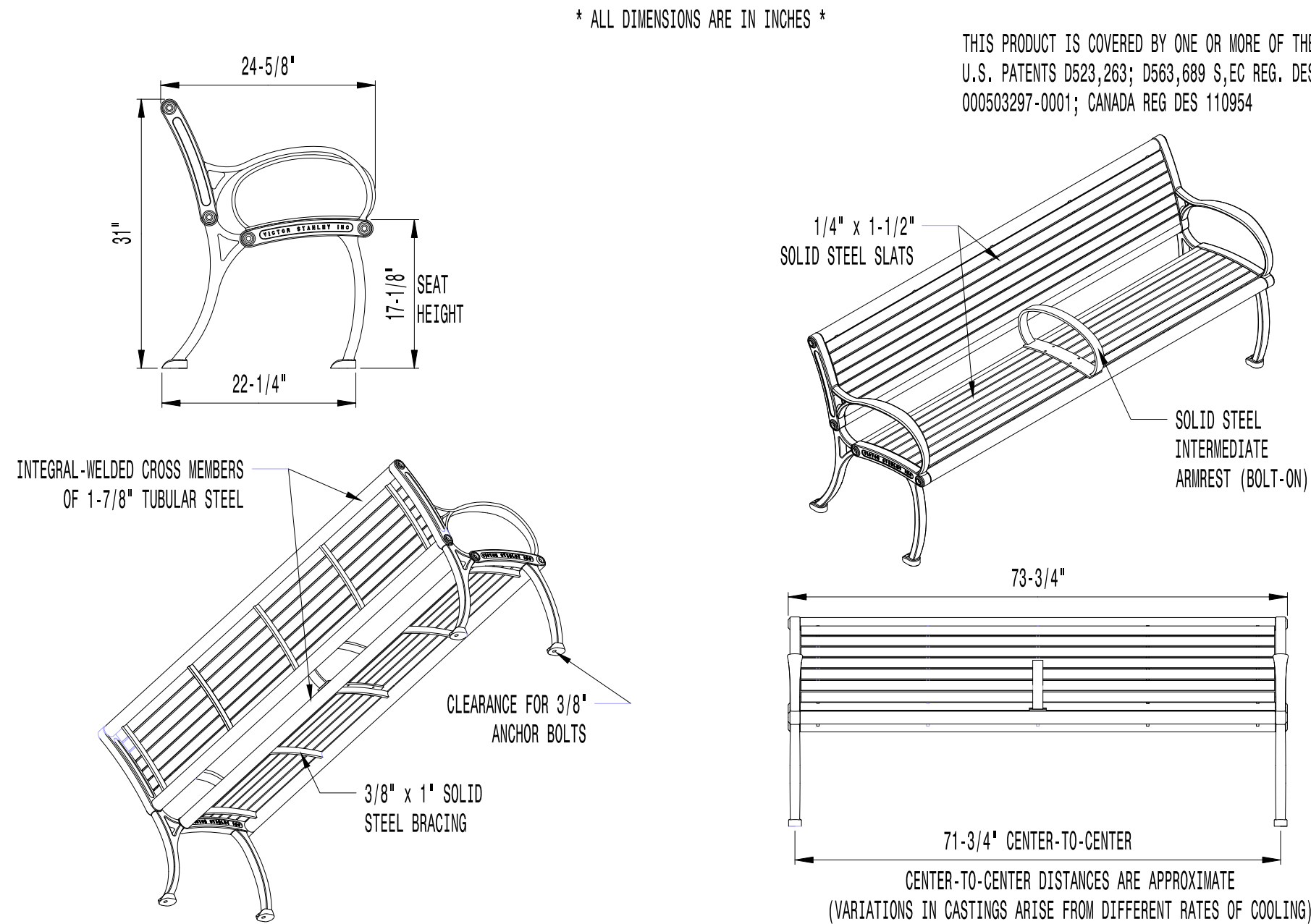
SILT FENCE - TYPE SENSITIVE

Sd1-C

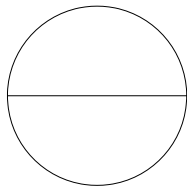


- NOTES:
1. USE STEEL OR WOOD POSTS OR AS SPECIFIED BY THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
 2. HEIGHT (*) IS TO BE SHOWN ON THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.

VICTOR STANLEY, INC.[®]
-Manufacturers of Quality Site Furnishings since 1962-



- AVAILABLE OPTIONS:
- POUNDER COATING
 - 10 STANDARD COLORS, 2 OPTIONAL METALLIC COLORS, CUSTOM COLORS (INCLUDING THE RAL RANGE)
 - INTERMEDIATE ARMRESTS (BOLT-ON)
 - 4', 6', 8', 12', & 16' AVAILABLE WITH OPTIONAL ARMRESTS (AS SHOWN)
 - SECURITY
 - CUSTOM SKATEBOARD GUARD
- NOTES:
1. DUCTILE IRON CASTINGS COME WITH A TEN YEAR WARRANTY AGAINST BREAKAGE.
 2. DRAWINGS NOT TO SCALE. DO NOT SCALE DRAWINGS.
 3. ALL FABRICATED METAL COMPONENTS ARE STEEL SHOTBLASTED, ETCHED, PHOSPHATIZED, PREHEATED, AND ELECTROSTATICALLY POWDER-COATED WITH T.G.I.C. POLYESTER POWDER COATINGS. PRODUCTS ARE FULLY CLEANED AND PRETREATED, PREHEATED AND COATED WHILE HOT TO FILL CREVICES AND BUILD COATING FILM. COATED PARTS ARE THEN FULLY CURED TO COATING MANUFACTURER'S SPECIFICATIONS. THE THICKNESS OF THE RESULTING FINISH AVERAGES 8-10 MILS (200-250 MICRONS).
 4. IT IS NOT RECOMMENDED TO LOCATE ANCHOR BOLTS UNTIL BENCH IS IN PLACE. THIS VICTOR STANLEY, INC. PRODUCT MUST BE PERMANENTLY AFFIXED TO THE GROUND. CONSULT YOUR LOCAL CODES FOR REGULATIONS.
 5. ANCHOR BOLTS NOT PROVIDED BY VICTOR STANLEY, INC.
 6. FOR HIGH SALT ABUSIVE CLIMATES, HOT-DIP GALVANIZING BEFORE POWDER COATING IS AVAILABLE. HOT-DIP GALVANIZING IS PERFORMED FOR VICTOR STANLEY, INC. BY AN EXPERIENCED QUALIFIED FIRM TO WHICH PRODUCTS ARE SHIPPED FOR GALVANIZING. HOT-DIP GALVANIZING INCLUDES AN AGGRESSIVE PRE-TREATMENT AND IMMERSION IN A TANK OF CHARGED LIQUID ZINC AT OR AROUND 860°F (460°C). THE RESULTING SURFACE IS RESISTANT TO RUST BUT HAS SOME UNEVENNESS RESULTING FROM THE BONDING OF THE ZINC TO THE STEEL SURFACE. AS A RESULT, THE POWDER-COATING SURFACE FINISH OVER THAT GALVANIZED SURFACE MAY EXHIBIT BUMPS, UNEVENNESS, AND MAY NOT BE AS SMOOTH AS THE STANDARD FINISH; THIS UNEVEN AND INCONSISTENT FINISH IS NORMAL FOR GALVANIZING. CONTACT MANUFACTURER FOR DETAILS.
 7. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE. CONTACT MANUFACTURER FOR DETAILS.
 8. THIS PRODUCT IS SHIPPED PARTIALLY UNASSEMBLED.



FMBF-324
FRAMERS MODERN™ SERIES

HORIZONTAL STEEL SLAT BENCH WITH DUCTILE IRON END FRAMES
SHOWN: STANDARD 6-FOOT LENGTH
OPTIONAL INTERMEDIATE ARMREST (BOLT-ON)

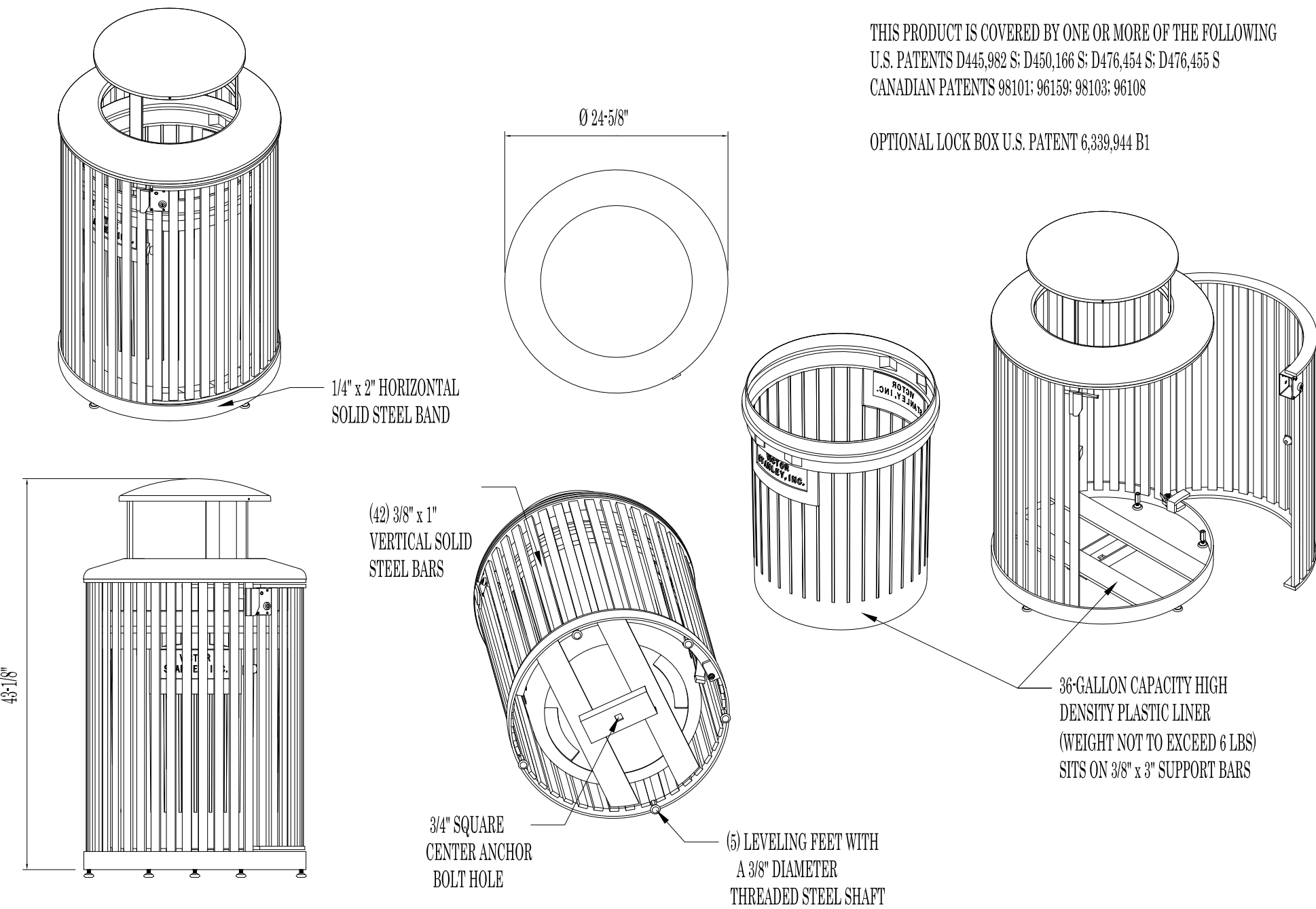
COPYRIGHT 2015 VICTOR STANLEY, INC. ALL RIGHTS RESERVED
REV. 8/27/15 DRAWN L.D.L. 2015-240

P.O. DRAWER 330 - DUNKIRK, MD 20754 USA
TOLL FREE: (800) 368-2573 (USA & CANADA)
TEL (301) 855-8300 - FAX (410) 257-7579
WEB SITE: HTTP://WWW.VICTORSTANLEY.COM

THIS PRODUCT IS COVERED BY ONE OR MORE OF THE FOLLOWING
U.S. PATENTS D623,263; D663,689 S, EC REG. DES. NO. 000503297-0001; CANADA REG DES 110854

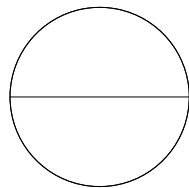
* ALL DIMENSIONS ARE IN INCHES *

VICTOR STANLEY, INC.[®]
-Manufacturers of Quality Site Furnishings since 1962-



- AVAILABLE OPTIONS:
- POUNDER COATING
 - 10 STANDARD COLORS, CUSTOM COLORS (INCLUDING THE RAL RANGE)
 - CUSTOM PLAQUES & DECALS
 - AVAILABLE WITH STEEL PLAQUES IN VARIOUS SIZES AND PRESSURE SENSITIVE VINYL OUTDOOR DECALS.

- NOTES:
1. DRAWINGS NOT TO SCALE. DO NOT SCALE DRAWINGS.
 2. ALL FABRICATED METAL COMPONENTS ARE STEEL SHOTBLASTED, ETCHED, PHOSPHATIZED, PREHEATED, AND ELECTROSTATICALLY POWDER-COATED WITH T.G.I.C. POLYESTER POWDER COATINGS. PRODUCTS ARE FULLY CLEANED AND PRETREATED, PREHEATED AND COATED WHILE HOT TO FILL CREVICES AND BUILD FILM COATING. COATED PARTS ARE THEN FULLY CURED TO COATING MANUFACTURER'S SPECIFICATIONS. THE THICKNESS OF THE RESULTING FINISH AVERAGES 8-10 MILS (200-250 MICRONS).
 3. OIL IMPREGNATED BRONZE BUSHINGS AND STAINLESS STEEL PIVOT PINS FOR DOOR MOVEMENT. STANDARD 3/16" SOLID STEEL LATCH ASSEMBLY OR OPTIONAL PATENTED STAINLESS STEEL KEYED LOCK ASSEMBLY.
 4. THIS VICTOR STANLEY, INC. PRODUCT MUST BE PERMANENTLY AFFIXED TO THE GROUND. CONSULT YOUR LOCAL CODES FOR REGULATIONS.
 5. VICTOR STANLEY, INC. PLASTIC INNER LINERS ARE MOLDED ON TOOLING DESIGNED FOR AND OWNED BY VICTOR STANLEY, INC. THEY OFFER MAXIMUM CAPACITY AND STRENGTH WITH LIGHTWEIGHT CONSTRUCTION USING CRITICAL MOLDED RIBS, INTEGRAL HANDHOLDS, AND HIGH-STRENGTH MATERIALS. THIS MINIMIZES HANDLING DIFFICULTY AND FACILITATES EASY EMPTYING AND STORAGE WHILE AFFORDING LONG SERVICE LIFE.
 6. ANCHOR BOLT NOT PROVIDED BY VICTOR STANLEY, INC.
 7. FOR HIGH SALT ABUSIVE CLIMATES, HOT DIP GALVANIZING BEFORE POWDER COATING IS AVAILABLE. SEE WRITTEN SPECIFICATIONS FOR DETAILS.
 8. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE. CONTACT MANUFACTURER FOR DETAILS.
 9. THIS PRODUCT IS SHIPPED FULLY ASSEMBLED.



NSDC-36
STEELSITES™ SERIES

36-GALLON SIDE-DOOR-OPENING LITTER RECEPTACLE
SHOWN: OPTIONAL S-36 FORMED DOME LID
OPTIONAL KEYED LOCK BOX

COPYRIGHT 2007 VICTOR STANLEY, INC. ALL RIGHTS RESERVED
REV. 10/20/07 DRAWN M.C.W. 2007-72

P.O. DRAWER 330 - DUNKIRK, MD 20754 USA
TOLL FREE: (800) 368-2573 (USA & CANADA)
TEL (301) 855-8300 - FAX (410) 257-7579
WEB SITE: HTTP://WWW.VICTORSTANLEY.COM

THIS PRODUCT IS COVERED BY ONE OR MORE OF THE FOLLOWING
U.S. PATENTS D445,982 S, D460,166 S, D476,454 S, D478,455 S
CANADIAN PATENTS 96101, 96136, 96103, 96108

OPTIONAL LOCK BOX U.S. PATENT 6,339,944 B1

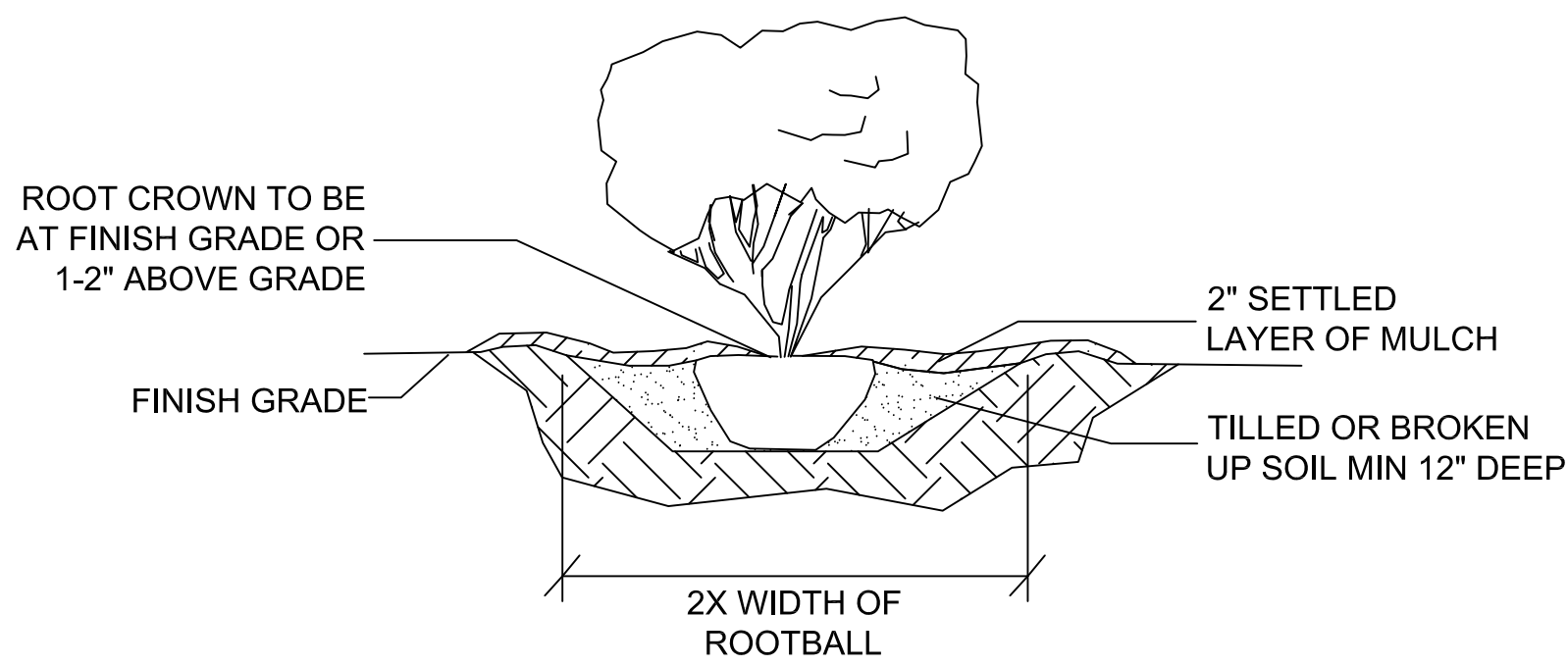
MA Moreland Altobelli Associates, Inc.
Engineering Planning Landscape Architecture Land Acquisition Surveying
2450 Commerce Ave Ste 100
Duluth, GA 30096-8910
770/263-5945

1ST REVISION: 3/9/18
MA JOB NUMBER: 15105



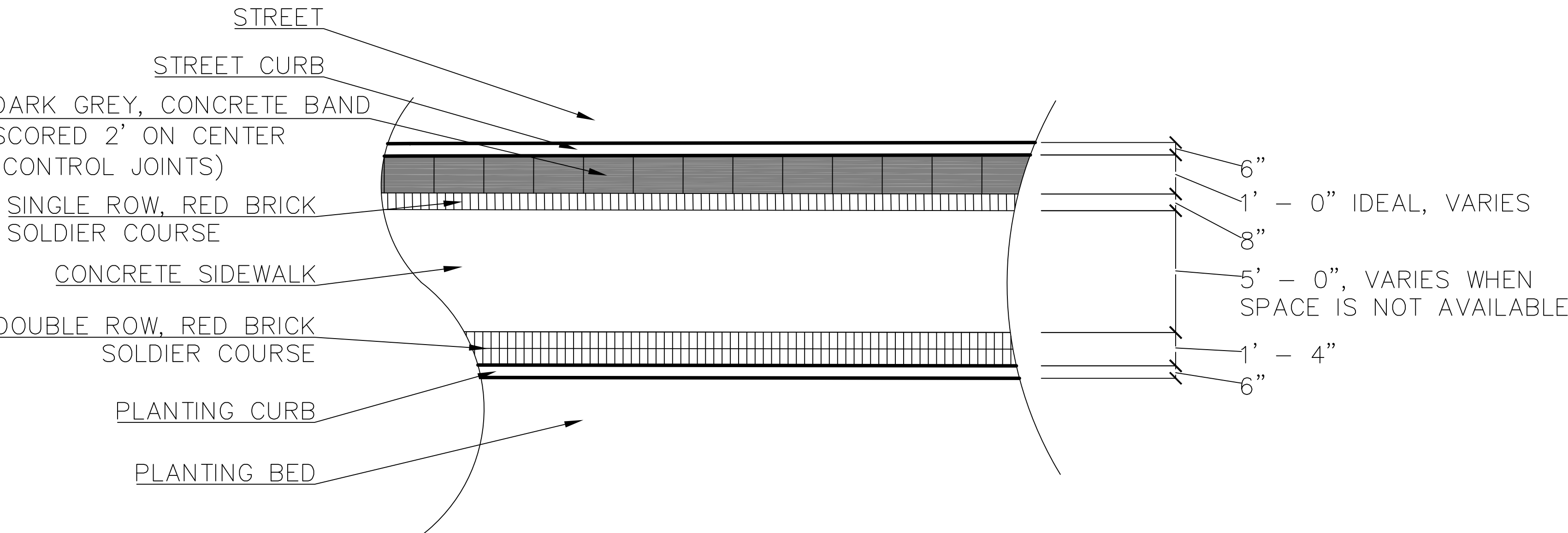
STREETSCAPE DESIGN FOR:
GWINNETT PLACE CID
CONSTRUCTION DETAILS 3

D3



TYP. SHRUB PLANTING:

ONLY DARK BROWN, HARDWOOD MULCH IS ACCEPTABLE FOR NEW PLANTINGS

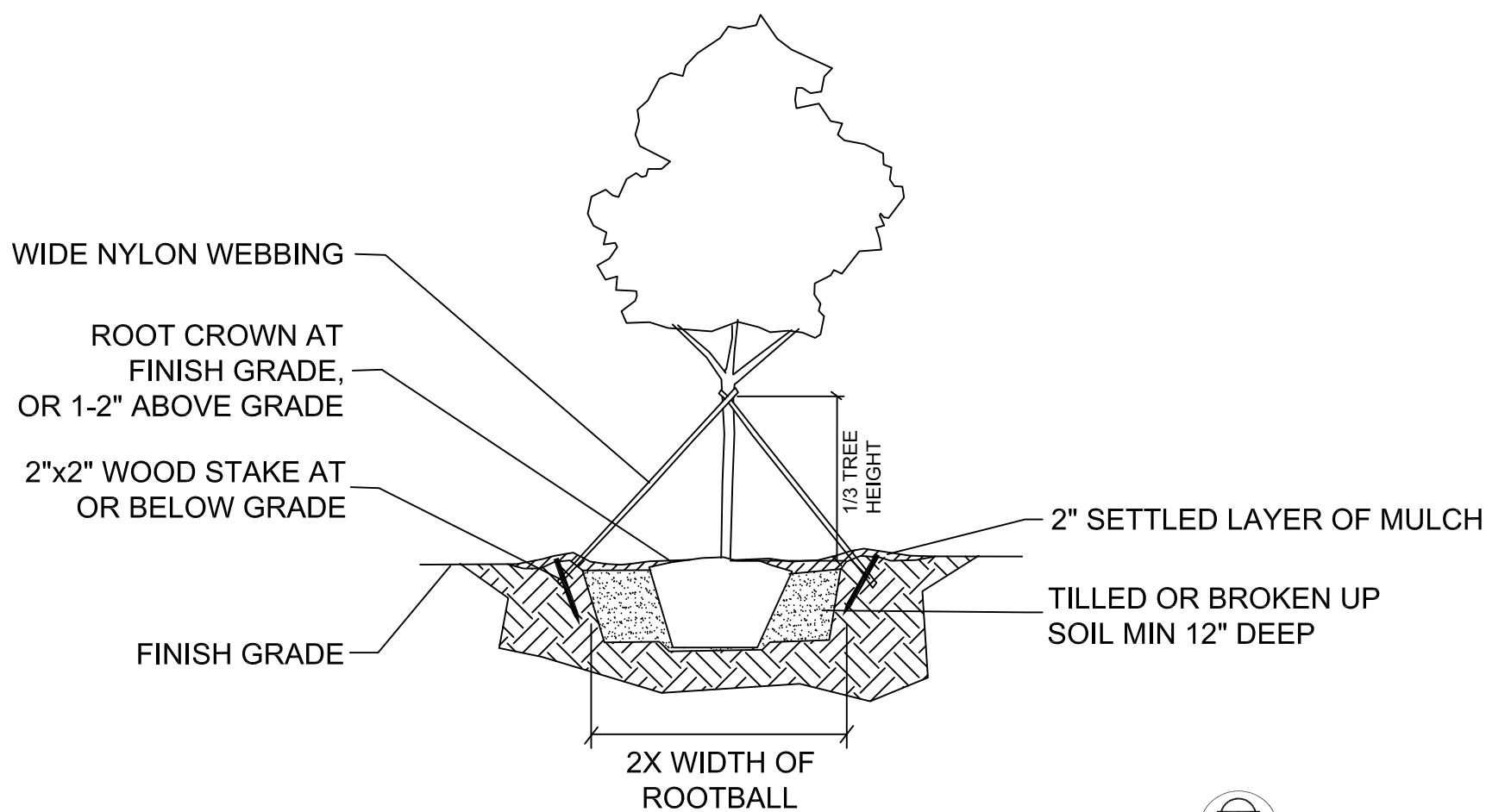


TYPICAL SIDEWALK

ALL STREET CURBS AND CURB LINES REMAIN.
BUILD WITHIN EXISTING STREET CURBS.

NOTES: TYPICAL SHRUB PLANTING, INDIVIDUAL PLANTING HOLE

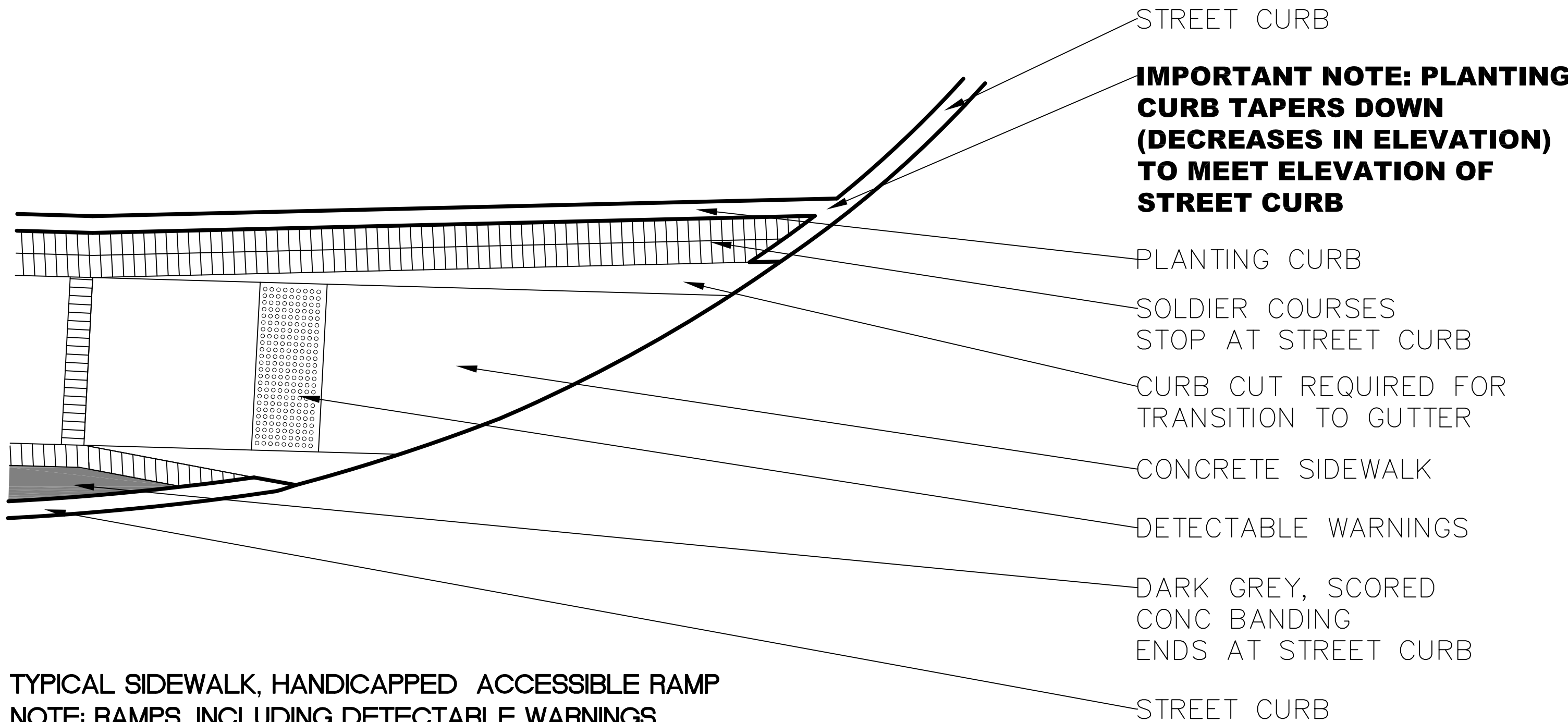
1. DIG PLANTING HOLE AT LEAST 2X THE WIDTH OF THE ROOT BALL OR CONTAINER.
2. SCARIFY SUBGRADE AND SIDES OF PLANTING HOLE WHEN PLANTING IN CLAY SOIL.
3. SET THE TOP OF THE ROOT BALL LEVEL WITH THE SOIL SURFACE, OR 1-2" ABOVE IF THE SOIL IS PRONE TO SETTLING.
4. IF CONTAINER GROWN PLANT, GENTLY SLIDE PLANT OUT OF CONTAINER. DISTURB THE ROOTS.
5. IF B&B PLANT, REMOVE BURLAP FROM AT LEAST THE TOP 12 INCHES OF THE ROOTBALL, WITHOUT DISTURBING THE ROOTBALL. REMOVE ALL CORD FROM THE TRUNK. REMOVE BURLAP AND WIRE BASKET (IF PRESENT) FROM THE ROOT BALL.
6. BACK FILL THE PLANTING HOLE WITH EXCAVATED NATIVE SOIL, BROKEN UP OR TILLED. WATER TO REMOVE AIR POCKETS. DO NOT ADD AMENDMENTS.
7. PLACE PINE STRAW OR BARK MULCH ON THE SURFACE TO A (SETTLED) DEPTH OF 1 TO 3 INCHES.



TYP. TREE PLANTING:

TREES MUST BE LIMBED UP TO 80" CLEAR ZONE
TO ALLOW SAFE SIGHTLINE FOR VEHICLES

- NOTES: TREE PLANTING
1. ALL PLANT MATERIALS SHALL BE IN ACCORDANCE WITH THE AMERICAN STANDARDS FOR NURSERY STOCK (ANSI Z60.1-2004). PLANT ACCORDING TO ANSI A300 PART 6.
 2. DIG THE PLANTING HOLE A MINIMUM OF 2x WIDTH OF ROOTBALL FOR AT LEAST THE FIRST 12 INCHES OF DEPTH. BELOW 12 INCHES, DIG HOLE WIDE ENOUGH TO PERMIT ADJUSTING. DO NOT DIG THE HOLE DEEPER THAN ROOT BALL DEPTH.
 3. SCARIFY THE SUBGRADE AND SIDES OF THE PLANTING HOLE WHEN PLANTING IN CLAY SOILS (MORE THAN 15% CLAY).
 4. LIFT AND SET THE TREE BY ROOT BALL ONLY. DO NOT LIFT USING THE TREE TRUNK AND DO NOT USE TREE TRUNK AS A LEVER.
 5. SET THE TOP OF THE ROOT BALL LEVEL WITH THE SOIL SURFACE OR SLIGHTLY HIGHER IF THE SOIL IS PRONE TO SETTLING.
 6. AFTER THE TREE IS SET IN PLACE, REMOVE BURLAP, WIRE AND STRAPS FROM AT LEAST THE UPPER 1/3 OF THE ROOTBALL.
 7. BACKFILL WITH EXISTING SOIL THAT HAS BEEN WELL-TILLED OR BROKEN UP. DO NOT ADD AMENDMENTS TO THE BACKFILL SOIL. AMEND THE SURFACE WITH MULCH.
 8. USE THREE 2" X 2" WOOD STAKES DRIVEN INTO UNDISTURBED SOIL A MINIMUM OF 16 INCHES. SPACE STAKES EQUALLY AROUND THE TREE.
 9. ATTACH 3/4" NYLON WEBBING TO CONNECT THE TREE TO STAKES. ATTACH WEBBING AT 1/3 THE TREE HEIGHT.
 10. APPLY A 2-3" (SETTLED) DEPTH OF PINE STRAW OR BARK MULCH TO THE PLANTING SURFACE. LEAVE A 2" SPACE AROUND THE TRUNK FOR AIR CIRCULATION.
 11. PRUNING SHALL BE LIMITED TO DEAD, DISEASED, OR BROKEN LIMBS ONLY AND SHALL BE IN ACCORDANCE WITH ANSI A300 SPECIFICATIONS.
 12. REMOVE ANY TRUNK WRAP REMAINING AT TIME OF PLANTING. NO WRAPS SHALL BE PLACED ON TRUNK.



TYPICAL SIDEWALK, HANDICAPPED ACCESSIBLE RAMP
NOTE: RAMPS, INCLUDING DETECTABLE WARNINGS,
MUST MEET GDOT STANDARDS FOR ACCESSIBILITY
AS SPECIFIED ON SHEETS A3 - A4

CONTRACTOR/ INSTALLER IS RESPONSIBLE FOR ALL RAMPS, SIDEWALKS,
FURNISHINGS, AND PLANTINGS MEETING ALL ADA AND SAFETY STANDARDS.

ALL STREET CURBS AND CURB LINES REMAIN.
BUILD WITHIN EXISTING STREET CURBS.

1. ALL WORK TO BE DONE IN ACCORDANCE WITH THE DEPARTMENT OF TRANSPORTATION OF GEORGIA STANDARD SPECIFICATIONS FOR THE CONSTRUCTION OF ROADS, 2013 EDITION AND SUPPLEMENTS THERETO, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION.

2. ALL KNOWN UTILITY FACILITIES ARE SHOWN SCHEMATICALLY ON HIGHWAY PLANS AND ARE NOT NECESSARILY ACCURATE IN LOCATION AS TO PLAN OR ELEVATION. UTILITY FACILITIES SUCH AS SERVICE LINES OR UNKNOWN FACILITIES NOT SHOWN ON HIGHWAY PLANS WILL NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY UNDER THIS REQUIREMENT EXCEPT AS NOTED BELOW. "EXISTING UTILITY FACILITIES" MEANS ANY UTILITY THAT EXISTS ON THE HIGHWAY PROJECT IN ITS ORIGINAL, RELOCATED, OR NEWLY INSTALLED POSITION. ALL UTILITY FACILITIES WHICH ARE IN CONFLICT WITH CONSTRUCTION AND ARE NOT COVERED AS SPECIFIC ITEMS IN THE DETAILED ESTIMATE ARE TO BE REMOVED OR RELOCATED TO CLEAR CONSTRUCTION IN ADVANCE OF HIS WORK.

3. UTILITY WORK COORDINATION WILL BE REQUIRED AS PART OF THIS CONTRACT. THE CONTRACTOR WILL BE REQUIRED TO USE THE ONE-CALL CENTER TELEPHONE NUMBER, 811 OR 1-800-282-7411, FOR THE PURPOSE OF COORDINATING THE MARKING OF UNDERGROUND UTILITIES. THE CONTRACTOR'S ATTENTION IS CALLED TO SUBSECTION 105.06 OF THE GADOT STANDARD SPECIFICATIONS. "COOPERATION WITH UTILITIES."



Know what's below.
Call before you dig.

4. THE FOLLOWING UTILITIES HAVE FACILITIES IN THE PROJECT AREA:

GWINNETT CO. DEPT OF WATER RESOURCES TASHEENA SPEARMAN 684 WINDER HIGHWAY LAWRENCEVILLE, GA 30045 WATER & SEWER	ATLANTA GAS LIGHT CO. GAS	AT&T TELECOMMUNICATIONS	JACKSON EMC MR. CRAIG ROBERTS 770-822-3234 ELECTRICITY
COMCAST CABLE TELECOMMUNICATIONS	CHARTER COMMUNICATIONS 1925 BRECKINRIDGE PLAZA SUITE 100 DULUTH, GA 30096 TELECOMMUNICATIONS		GA POWER CO./DOT & JOINT USE SECTION ELECTRICITY

5. THE TOTAL EARTHWORK QUANTITY SHOWN ON THE PLANS ARE FOR INFORMATION ONLY. THE GWINNETT COUNTY DEPARTMENT OF TRANSPORTATION ASSUMES NO RESPONSIBILITY FOR ITS ACCURACY. THE CONTRACTOR SHALL BID ON GRADING COMPLETE LUMP SUM AND IT SHALL BE HIS RESPONSIBILITY TO DETERMINE THE ACTUAL EARTHWORK QUANTITY TO BE GRADED. NO CLAIMS WILL BE CONSIDERED FOR EXTRA COMPENSATION IF THE CONTRACTOR RELIES ON THE QUANTITY SHOWN ON THE PLANS. CLEARING AND GRUBBING ON THIS PROJECT IS LIMITED TO THE ACTUAL CONSTRUCTION LIMITS UNLESS DIRECTED BY THE ENGINEER. COST FOR CLEARING AND GRUBBING SHALL BE INCLUDED IN THE PRICE BID FOR GRADING COMPLETE--LUMP SUM.

6. THE CONTRACTOR SHALL STRICTLY ADHERE TO DUST CONTROL REGULATIONS. ALL AREAS SUBJECTED TO DUST FORMATION MUST BE PERIODICALLY WATERED SUFFICIENT TO RETARD DUST. ALL COSTS FOR DUST CONTROL SHALL BE INCLUDED IN PRICE BID FOR GRADING COMPLETE - LUMP SUM.

7. INGRESS AND EGRESS SHALL BE MAINTAINED AT ALL TIMES TO ADJACENT PROPERTIES. REFER TO SUB-SECTION 107.07 OF THE GADOT STANDARD SPECIFICATIONS.

8. MAXIMUM SLOPE FOR CUT OR FILL IS 2H:1V EXCEPT EARTHEN DAM EMBANKMENTS SHALL BE 3H:1V.

9. ALL BUFFERS AND TREE SAVE AREAS ARE TO BE CLEARLY IDENTIFIED WITH TREE PROTECTIVE FENCING PRIOR TO COMMENCEMENT OF ANY LAND DISTURBANCE.

10. ALL CONSTRUCTION TO COMPLY WITH GWINNETT COUNTY STANDARDS.

11. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FURNISH SUITABLE BURROW MATERIAL FOR THE PROJECT AND DISPOSE OF ANY UNSUITABLE OR WASTE MATERIAL.

12. HORIZONTAL/VERTICAL CONTROL IS BASED UPON GEORGIA STATE PLANE COORDINATE SYSTEM. SEE PLANS FOR LOCATIONS AND DESCRIPTIONS OF MONUMENTS USED.

13. ALL CONDUIT INSTALLED AT DRIVEWAY, STREET CROSSINGS, AND UNDER CONCRETE TO REMAIN IS DIRECTIONAL BORE. ALL CONDUIT INSTALLED UNDER NEW WALKWAYS IS TO BE OPEN CUT CONSTRUCTION.

14. ALL DRIVEWAYS WHERE ACCESS IS ALLOWED SHALL BE PLACED AS DIRECTED BY THE ENGINEER IN ACCORDANCE WITH RULES AND REGULATIONS FOR CONTROL AND PROTECTION OF GWINNETT COUNTY DEPARTMENT OF TRANSPORTATION RIGHTS-OF-WAY. ALL DRIVEWAYS THAT ARE TO BE RECONSTRUCTED SHALL BE REPLACED IN KIND. I.E. ASPHALT FOR ASPHALT, CONCRETE FOR CONCRETE, AND ASPHALT FOR EARTH. THE DRIVEWAY LOCATIONS INDICATED ON THE PLANS ARE FROM THE BEST AVAILABLE DATA. THE CONTRACTOR SHALL CONSTRUCT NEW DRIVEWAYS TO MATCH THE ACTUAL FIELD LOCATION OF EXISTING DRIVEWAYS WHERE THEY ARE NOT IN CONFLICT WITH THE RULES AND REGULATIONS. THE CONTRACTOR SHALL OBTAIN THE APPROVAL OF THE ENGINEER PRIOR TO MAKING ANY REVISIONS SUCH AS TO LOCATION, WIDTH AND /OR NUMBER OF DRIVES TO BE CONSTRUCTED. WHERE REQUIRED THE DRIVES SHALL BE PAVED AS FOLLOWS:

ASPHALTIC DRIVEWAYS	COMMERCIAL: 165 LBS/YD2 ASPHALTIC CONCRETE 12.5MM SUPERPAVE, 220 LBS/YD2 ASPHALTIC CONCRETE 19.0MM SUPERPAVE, 8" GRADED AGGREGATE
CONCRETE DRIVEWAYS	COMMERCIAL: 8" CONCRETE, 8" GRADED AGGREGATE

15. PRICE BID FOR TRAFFIC CONTROL - LUMP SUM SHALL INCLUDE, BUT IS NOT LIMITED TO CONSTRUCTION, MAINTENANCE, AND REMOVAL OF TEMPORARY SIGNING AND PAVEMENT MARKINGS, BARRICADES, CHANNELIZING DEVICES ETC. REQUIRED FOR MAINTENANCE OF TRAFFIC DURING CONSTRUCTION. ALL TEMPORARY SIGNING AND PAVEMENT MARKING SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES LATEST EDITION AND/OR AS DIRECTED BY THE ENGINEER.

16.	TOTAL AREA	DISTURBED AREA
	10.95 ac	1.97 ac

THE TOTAL AREA IS THE AREA OF RIGHT-OF-WAY.

17. THE CONTRACTOR SHALL ENSURE THAT POSITIVE AND ADEQUATE DRAINAGE IS MAINTAINED AT ALL TIMES WITHIN THE PROJECT LIMITS. THIS MAY INCLUDE, BUT NOT BE LIMITED TO, REPLACEMENT OR RECONSTRUCTION OF EXISTING DRAINAGE STRUCTURES THAT HAVE BEEN DAMAGED OR REMOVED OR REGRADED AS REQUIRED BY THE ENGINEER, EXCEPT FOR THOSE DRAINAGE ITEMS SHOWN AT SPECIFIC LOCATIONS IN THE PLANS AND HAVING SPECIFIC PAY ITEMS IN THE DETAILED ESTIMATE. NO SEPARATE PAYMENT WILL BE MADE FOR ANY COSTS INCURRED TO COMPLY WITH THIS REQUIREMENT.

18. EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO OR CONCURRENT WITH LAND DISTURBANCE ACTIVITIES AND SHALL BE MAINTAINED AT ALL TIMES. ADDITIONAL EROSION AND SEDIMENT CONTROL DEVICES SHALL BE INSTALLED IF DEEMED NECESSARY BY ONSITE INSPECTION OR AS DIRECTED BY THE ENGINEER.

19. CONSTRUCTION LAYOUT WILL BE REQUIRED BY THE CONTRACTOR. ALL COST FOR THIS ITEM WILL BE INCLUDED IN THE PRICE BID FOR OTHER CONTRACT ITEMS.

20. TYPE OF GRASS OR SOD USED ON THIS PROJECT WILL BE REQUIRED TO MATCH ANY TYPE OF GRASS OR SOD WHICH MAY BE PLANTED AND GROWING ON THE ADJACENT LAWN. I.E. BERMUDA SOD FOR BERMUDA SOD, ZOYSIA FOR ZOYSIA ETC.

21. CONTRACTOR IS RESPONSIBLE FOR PRE-MARKING ALL SIGNING, STRIPING, HANDICAP RAMPS AND GUARDRAIL. AFTER THE PRE-MARKING IS COMPLETE, CONTRACTOR SHALL NOTIFY GWINNETT COUNTY DOT OPERATIONS AND MAINTENANCE A MINIMUM OF 72 HOURS PRIOR TO THE INSTALLATION OF ANY PREMARKED ITEMS FOR REVIEW. THIS SHALL BE COORDINATED THROUGH THE PROJECT ENGINEER.

22. ALL RCP PIPE JOINTS SHALL BE BELL & SPIGOT TYPES WITH A RUBBER GASKET CONFORMING TO ASTM C-443. THE PIPE SHALL BE MANUFACTURED IN ACCORDANCE WITH AASHTO M-170 AND/OR ASTM C-76. CLASS OF PIPE AND WALL THICKNESS SHALL BE IN ACCORDANCE WITH 1030-D, GEORGIA DOT SPECIFICATION, TABLE NO. 1. INSTALLATION SHALL BE IN ACCORDANCE WITH SECTION 550 OF THE GEORGIA DOT STANDARD SPECIFICATIONS, CONSTRUCTION OF ROADS AND BRIDGES.

23. THE DESIGN PROFESSIONAL WHO PREPARED THE ES&PC PLAN IS TO INSPECT THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS, PERIMETER CONTROL BMPS AND SEDIMENT BASINS IN ACCORDANCE WITH PART IV.A.5. WITHIN 7 DAYS AFTER INSTALLATION.

24. NON-EXEMPT ACTIVITIES SHALL NOT BE CONDUCTED WITHIN THE 25 OR 50-FOOT UNDISTURBED STREAM BUFFERS AS MEASURED FROM THE POINT OF WRESTED VEGETATION WITHOUT FIRST ACQUIRING THE NECESSARY VARIANCES AND PERMITS.

25. AMENDMENTS/REVISIONS TO THE ES&PC PLAN WHICH HAVE A SIGNIFICANT EFFECT ON BMPS WITH A HYDRAULIC COMPONENT MUST BE CERTIFIED BY THE DESIGN PROFESSIONAL.

26. WASTE MATERIALS SHALL NOT BE DISCHARGED TO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.

27. THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO LAND DISTURBING ACTIVITIES.

28. EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.

29. ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.

30. THERE ARE NO WETLANDS BEING DISTURBED ON THIS SITE

31. THERE ARE NO STREAM BUFFERS ON THIS PROPERTY.

32. ALL DRIVEWAYS, WHERE ACCESS IS ALLOWED, SHALL BE PLACED AS DIRECTED BY THE ENGINEER IN ACCORDANCE WITH RULES AND REGULATIONS FOR CONTROL AND PROTECTION OF GEORGIA DEPARTMENT OF TRANSPORTATION RIGHTS-OF-WAY (ROW). ALL DRIVEWAYS THAT ARE TO BE RECONSTRUCTED SHALL BE REPLACED, IN KIND, I.E. ASPHALT FOR ASPHALT, CONCRETE FOR CONCRETE. ALL UNPAVED DRIVEWAYS SHALL BE PAVED TO THE ROW LIMITS.

33. STORM WATER MANAGEMENT IS NOT REQUIRED FOR THIS PROJECT PER THE GWINNETT COUNTY UDO SECTION 800-90.1

34. ALL TRAFFIC CONTROL SIGNS THAT ARE REMOVED OR DAMAGED MUST BE REINSTALLED OR REPLACED. ALL SIGNS MUST BE REINSTALLED TO THE STANDARDS IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).

35. ALL CROSSWALK PAINT TO BE RESTRIPE ON ASPHALT REQUIRES THERMOPLASTIC. ALL CROSSWALK PAINT TO BE RESTRIPE ON CONCRETE REQUIRES PREFORMED.

36. APPROVAL OF THESE PLANS DOES NOT CONSTITUTE APPROVAL BY GWINNETT COUNTY OF ANY LAND DISTURBING ACTIVITIES WITHIN WETLAND AREAS. IT IS THE RESPONSIBILITY OF THE PROPERTY OWNER TO CONTACT THE APPROPRIATE REGULATORY AGENCY FOR APPROVAL OF ANY WETLAND.

37. POSITIVE DRAINAGE SHALL BE MAINTAINED AT ALL TIMES. IF UNFORESEEN DRAINAGE FEATURES ARE DISCOVERED DURING CONSTRUCTION, THE CONTRACTOR SHALL CONTACT THE DESIGNER IN ORDER TO ADDRESS THE ISSUE. IF ROOF DRAINS ARE UNCOVERED, CONTRACTOR TO USE GDOT DETAIL 9031R REVISION 10/1988 FOR ROOF DRAIN UNDER SIDEWALKS.

38. ALL PEDESTRIAN ROUTES SHALL MEET THE ADA VERTICAL CLEARANCE OF 80".

39. AT ALL LOCATIONS WHERE CONCRETE IS PLACED ADJACENT TO AN EXISTING OR PROPOSED PROJECT SIGN POSTS, UTILITY POLES, ETC., THE CONTRACTOR SHALL COMPLETE THE WORK TO ALLOW THE OWNER TO MAINTAIN/REMOVE/REPLACE THE SIGN POSTS, UTILITY POLES, ETC. FOR FUTURE MAINTENANCE WITHOUT SIGNIFICANT DAMAGE TO SURROUNDING AREA. PER DETAIL A3, ½" EXPANSION JOINT SHALL BE PLACED WHERE SIDEWALKS TIE INTO A STRUCTURE OR TERMINATE AT CURB, RAMPS OR DRIVEWAYS AND AT 60' INTERVALS.

40. SIDEWALK RAMPS, INCLUDING DETECTABLE WARNINGS, MUST COMPLY WITH GDOT STANDARDS FOR ACCESSIBILITY. REFER TO SHEETS A3 AND A4.

TRAFFIC CONTROL NOTE:
THE CONTRACTOR WILL BE RESPONSIBLE FOR PREPARING A TRAFFIC PLAN SHOWING THE PROPOSED MEASURES TO MANAGE TRAFFIC DURING CONSTRUCTION ACTIVITIES. THE PLAN SHALL CONFORM TO THE 2009 MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AND GEORGIA DOT SPECIFICATION 150. ANY LANE CLOSURES MUST BE APPROVED BY AND COORDINATE WITH THE GDOT AREA ENGINEER. LANE CLOSURES WILL REQUIRE PROPER LANE TAPERS AND ADVANCE WARNINGS PER GEORGIA DOT STANDARDS.

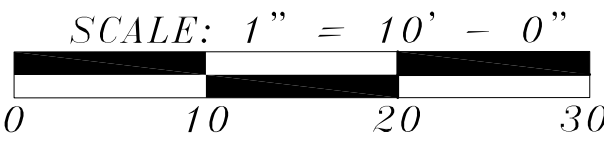
TRAFFIC SIGNAL NOTE:
EXISTING TRAFFIC SIGNAL SHALL REMAIN OPERABLE AT ALL TIMES. CONTACT KEN KEENA SIGNAL ENGINEER AT GWINNETT DOT PRIOR TO BEGINNING WORK TO DISCUSS BURIED SIGNAL EQUIPMENT

RESTRICTIONS ON LANE CLOSURES: BEFORE 9 AM AND AFTER 4 PM.

TRAFFIC SIGNING NOTE:
ALL SIGNING, MARKING, AND TRAFFIC CONTROL SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, 2009 EDITION.

GWINNETT COUNTY DOT TRAFFIC SIGNAL ENGINEER:
KEN KEENA
GWINNETT DOT TRAFFIC
620 WINDER HWY
LAWRENCEVILLE, GA 30045
678-639-8810

Environmental Resources Impact Table						
These resources and the restrictions listed are governed by state and federal law.						
Resource Name (from Section A of the ECT)	Location			Permitted Construction Activity (from Section A of the ECT)	Special Provision? (from Section B of the ECT)	Comments (from Section C of the ECT, comments only)
	Beginning STA	Ending STA	Side			
N/A						
404 Permits and Variances (from Section D of the ECT)			Expiration dates (if applicable) Contact GDOT OES 6 months prior to expiration, if work will extend beyond this date.			
N/A						
If there are no resources, indicate "None" in the first row. Include this table in the General Notes section of the plans as always.						
ECT = Environmental Commitments Table, AKA "Green Sheet".						



1ST REVISION: 3/9/18
PLEASANT HILL RD: INTERSECTIONS OF OLD NORCROSS RD. AND PLEASANT HILL RD., SOUTH TO INTERSECTION OF SATELLITE BLVD.
MA JOB NUMBER: 15105



STREETSCAPE DESIGN FOR: GWINNETT PLACE CID GENERAL NOTES

GN

Zone 1 (South side of Pleasant Hill Rd, starting at the Intersection of Shackelford Rd and Pleasant Hill Rd, traveling south to the intersection of Pleasant Hill Rd and Club Dr)			
GDOT Item Code	Item	Quant.	Unit
161-1000	Erosion Control	1	LS
500-3200	Class B Concrete, (Under Pavers)	85	CY
441-0104	New Concrete for 5' walkway (Sidewalk, 4 in)	1474	SY
444-1000	Sawed Joints in Existing Pavements, PCC	153	LF
610-9001	Remove Highway Sign	6	EA
611-5360	Reset Highway Sign	6	EA
	Adjust/ Relocate Existing Pedetrian Signal Pole	1	EA
441-5002	CONCRETE HEADER CURB, 6 IN, TP 2	1,981	LF
682-9950	Directional Bore - Conduit, Non-Metal, Tp 2, 2 IN	1,364	LF
682-9020	Electrical Junction Box	44	EA
657-1084	Preformed Plastic Solid Pvmt Mkg, 9 IN, White, TP PB	250	LF
653-1804	Thermoplastic Solid Traffic Stripe, 8 IN, White	350	LF
682-6222	Conduit, Non-Metal, Tp 2, 2 IN	3460	LF
999-0001	Color Concrete with fiber reinf mesh, 6 IN	209	SY
754-5000	Benches	2	EA
754-4000	Trash cans	2	EA
163-0240	Mulch (44908 Sq. Ft.) - Wheat Straw for DS1 Erosion Control	4.5	TN
150-1000	Traffic Control	1	LS
171-0030	Silt fencing - TYPE C	2,906	LF
210-0100	Grading Complete	1	LS
310-5060	GR AGGR BASE CRS 6 INCH, INCL MATL.	2192	SY
611-8005	Replace Catch basin top	11	EA
900-0039	New Brickwork Square Footage (3, 8" wide soldier courses)	4583	SF
702-0006	Abelia x grandiflora 'Prostrata' - 'Prostrata' is the only acceptable type of Abelia allowed (sight distance requirement)	132	EA
702-0030	Acer rubrum 'October Glory'	8	EA
700-6001	Grassing Complete	1	LS
163-0240	Dark brown, hardwood mulch	27.7	TN
702-0570	Liriope spicata	34	EA
702-0610	Loropetalum chinense 'Snow Muffin' - 'Snow Muffin' is the only acceptable type of Loropetalum allowed (sight distance requirement)	193	EA
702-0905	Quercus phellos	4	EA

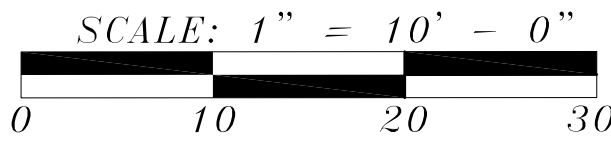
Zone 2 (Pleasant Hill Rd, starting at the Intersection of Old Norcross Rd and Pleasant Hill Rd, traveling south to the intersection of Pleasant Hill Rd and Satellite Blvd			
GDOT Item Code	Item	Quant.	Unit
161-1000	Erosion Control	1	LS
500-3200	Class B Concrete, (Under Pavers)	90	CY
441-0104	New Concrete for 5' walkway (Sidewalk, 4 in)	1492	SY
444-1000	Sawed Joints in Existing Pavements, PCC	68	LF
610-9001	Remove Highway Sign	5	EA
611-5360	Reset Highway Sign	5	EA
	Adjust/ Relocate Existing Pedetrian Signal Pole	0	EA
441-5002	CONCRETE HEADER CURB, 6 IN, TP 2	1972	LF
682-9950	Directional Bore - Conduit, Non-Metal, Tp 2, 2 IN	890	LF
682-9020	Electrical Junction Box	52	EA
657-1084	Preformed Plastic Solid Pvmt Mkg, 9 IN, White, TP PB	1050	LF
653-1804	Thermoplastic Solid Traffic Stripe, 8 IN, White	2841	LF
682-6222	Conduit, Non-Metal, Tp 2, 2 IN	4093	LF
999-0001	Color Concrete with fiber reinf mesh, 6 IN	185	SY
754-5000	Benches	0	EA
754-4000	Trash cans	0	EA
163-0240	Mulch - hay for DS1 Erosion Control	2.05	TN
150-1000	Traffic Control	1	LS
171-0030	Silt fencing - TYPE C	3,187	LF
210-0100	Grading Complete	1	LS
310-5060	GR AGGR BASE CRS 6 INCH, INCL MATL.	2217	SY
611-8005	Replace Catch basin top	10	EA
900-0039	New Brickwork Square Footage (3, 8" wide soldier courses)	4856	SF
702-0006	Abelia x grandiflora 'Prostrata' - 'Prostrata' is the only acceptable type of Abelia allowed (sight distance requirement)	88	EA
700-6001	Grassing Complete	1	LS
163-0240	Dark brown, hardwood mulch	21	TN
702-0570	Liriope spicata	107	EA
702-0610	Loropetalum chinense 'Snow Muffin' - 'Snow Muffin' is the only acceptable type of Loropetalum allowed (sight distance requirement)	166	EA
702-0330	Heemerocallis 'Stella d'Oro'	4	EA

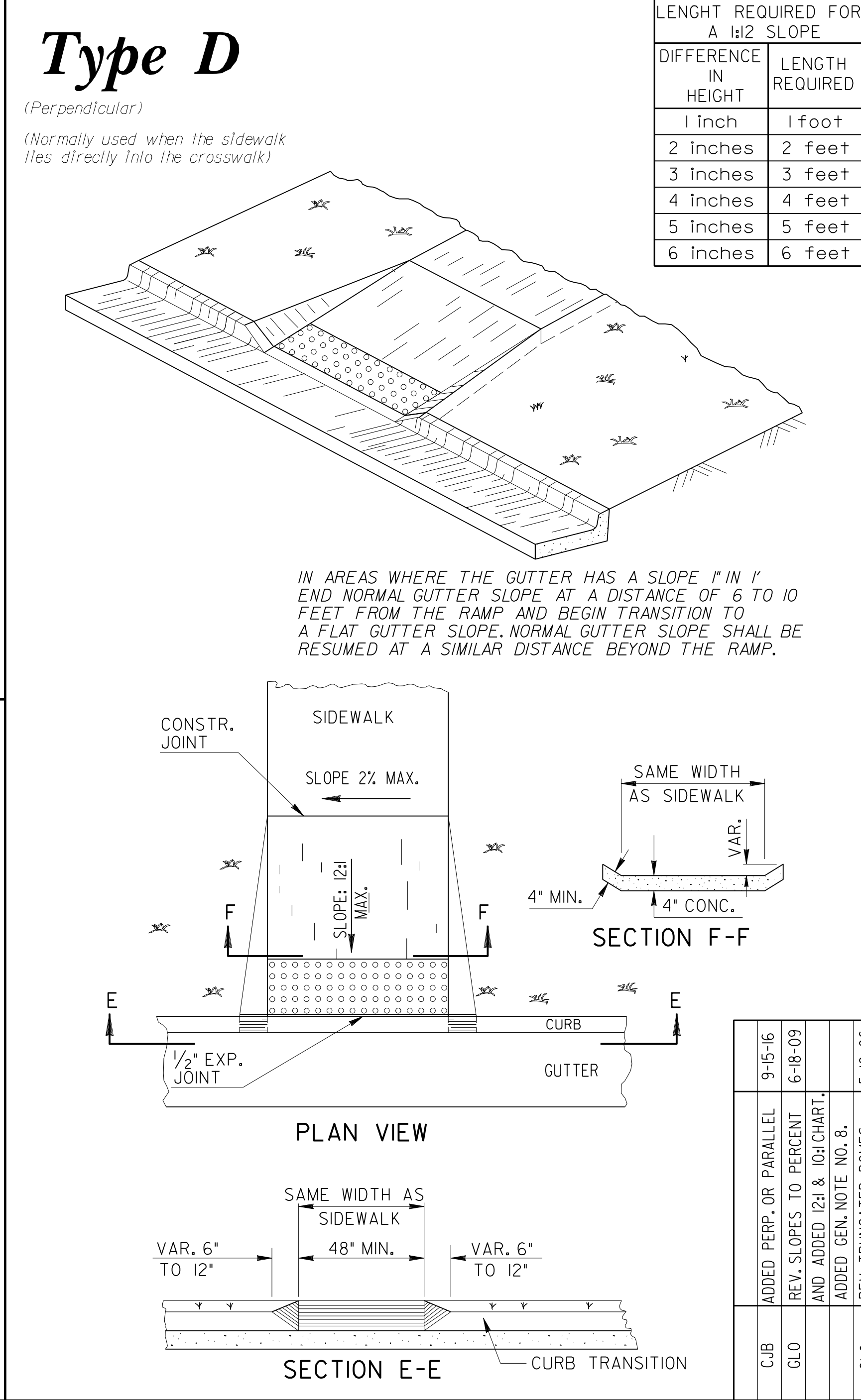
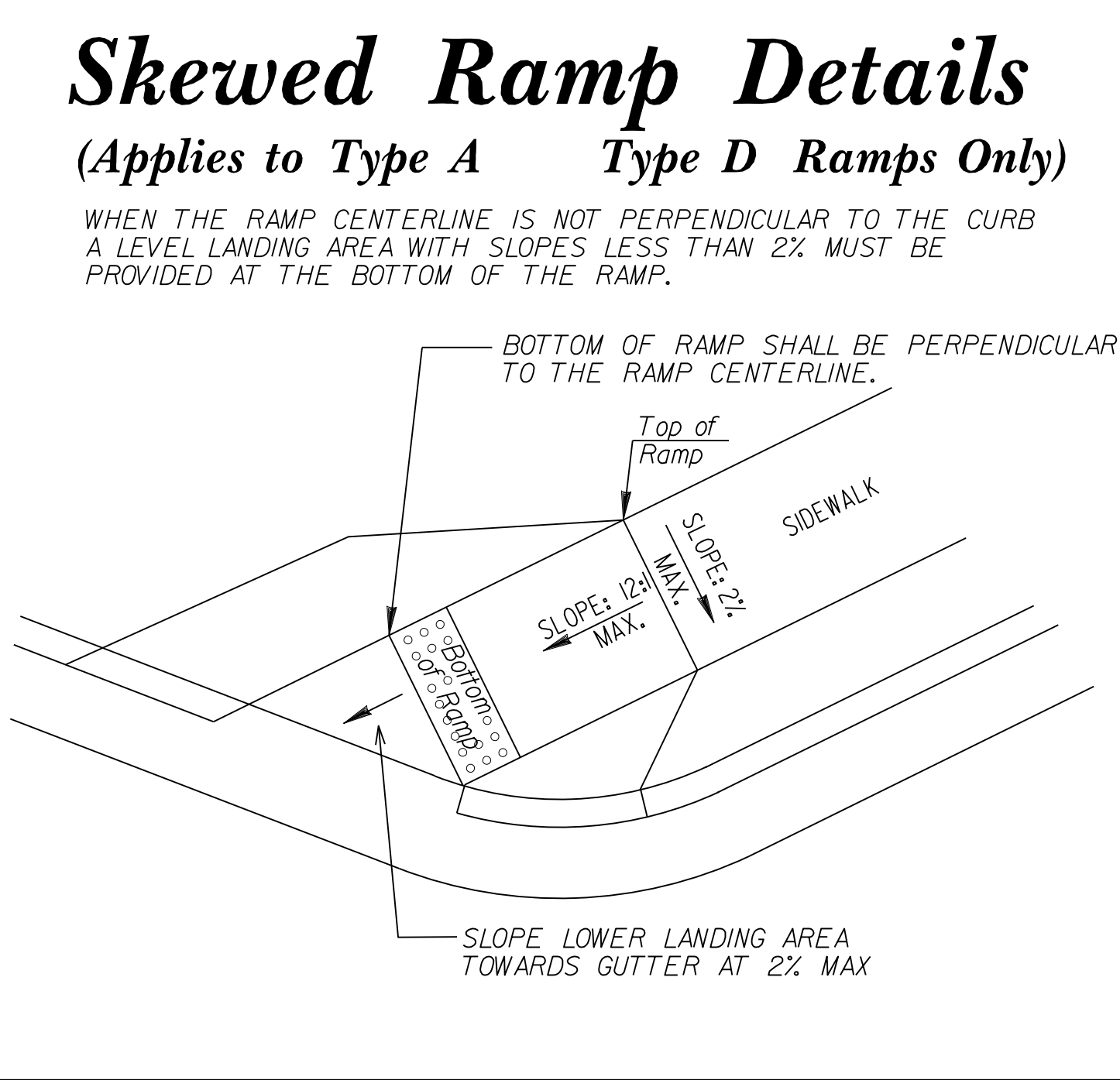
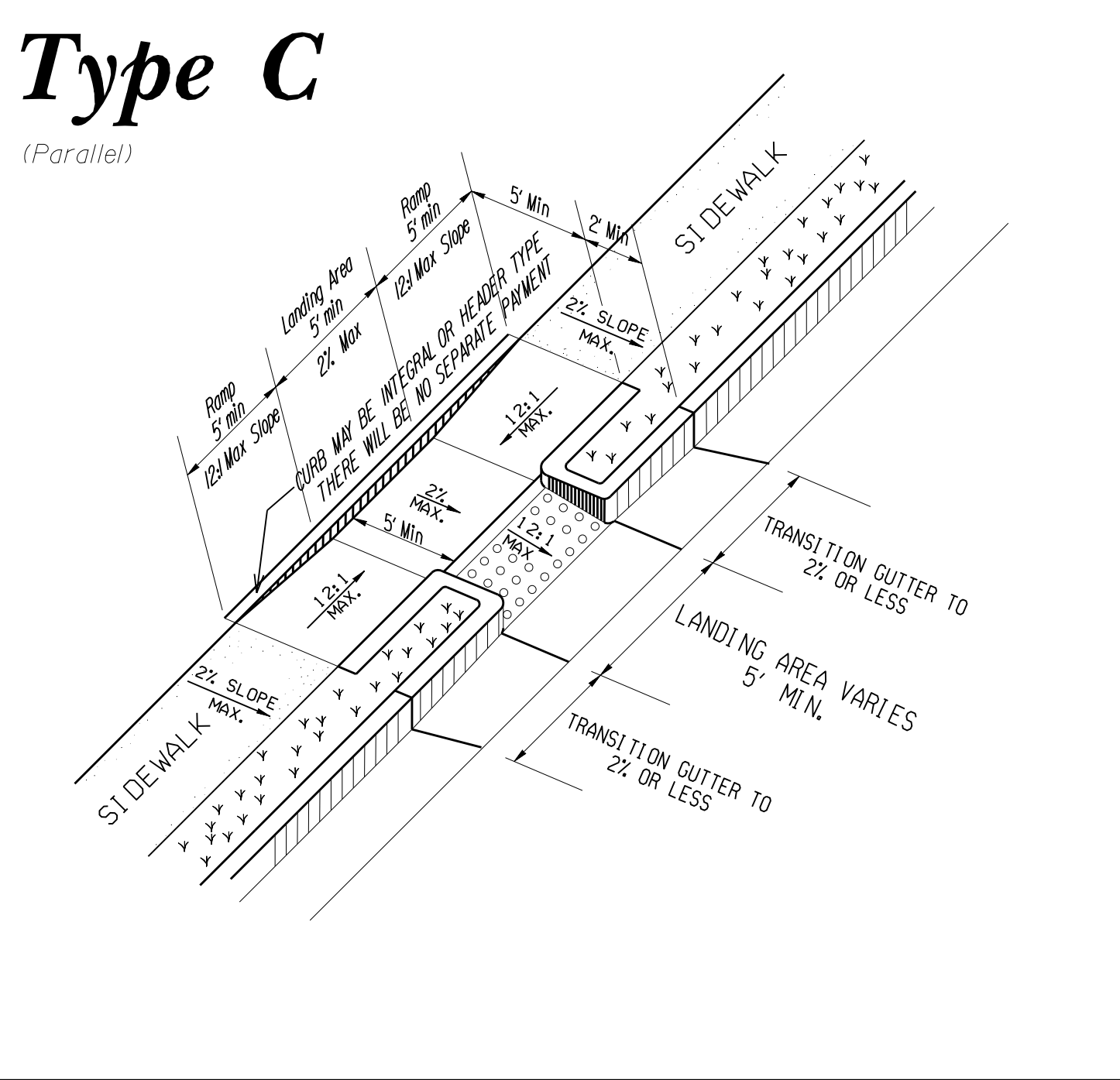
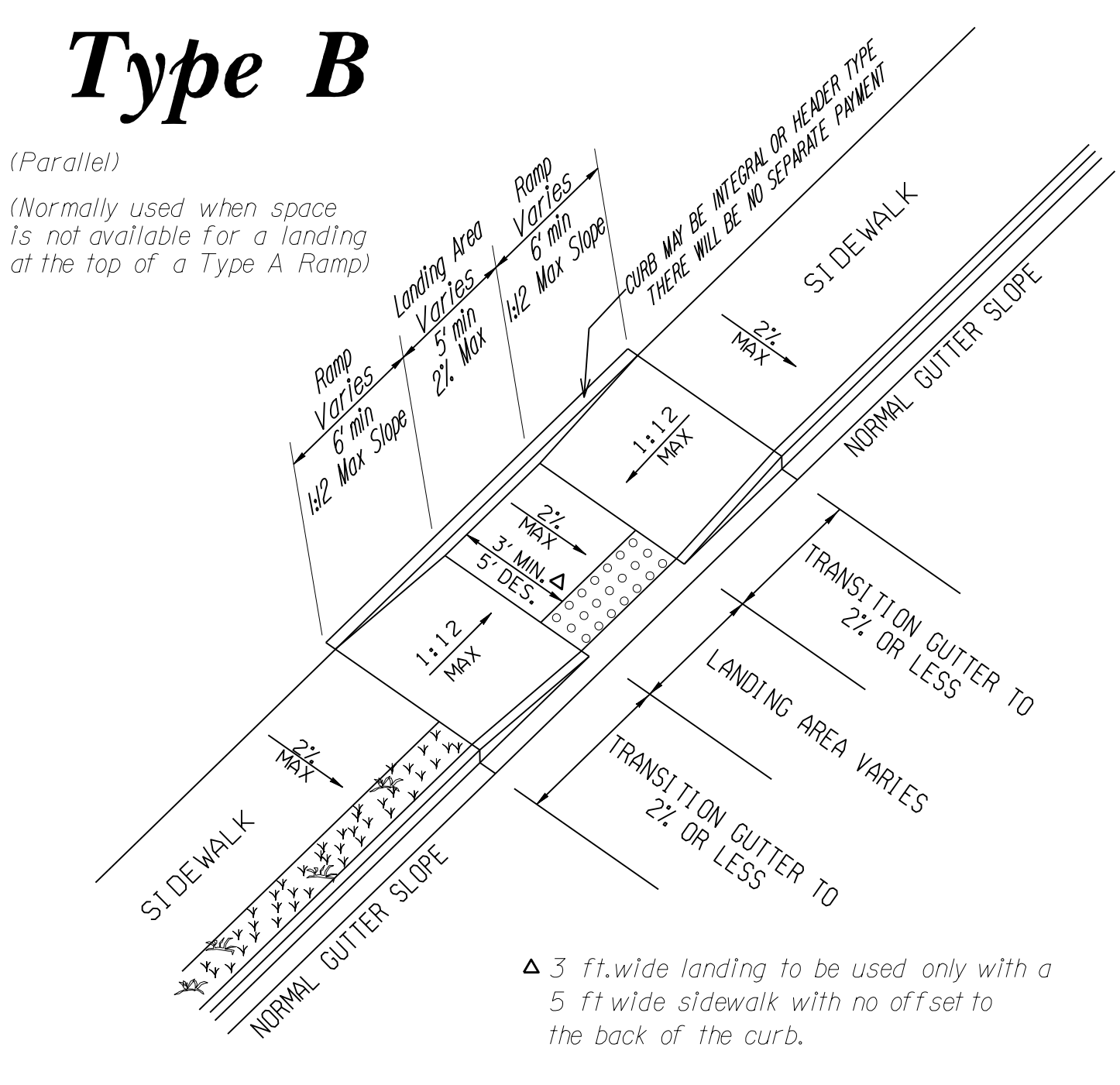
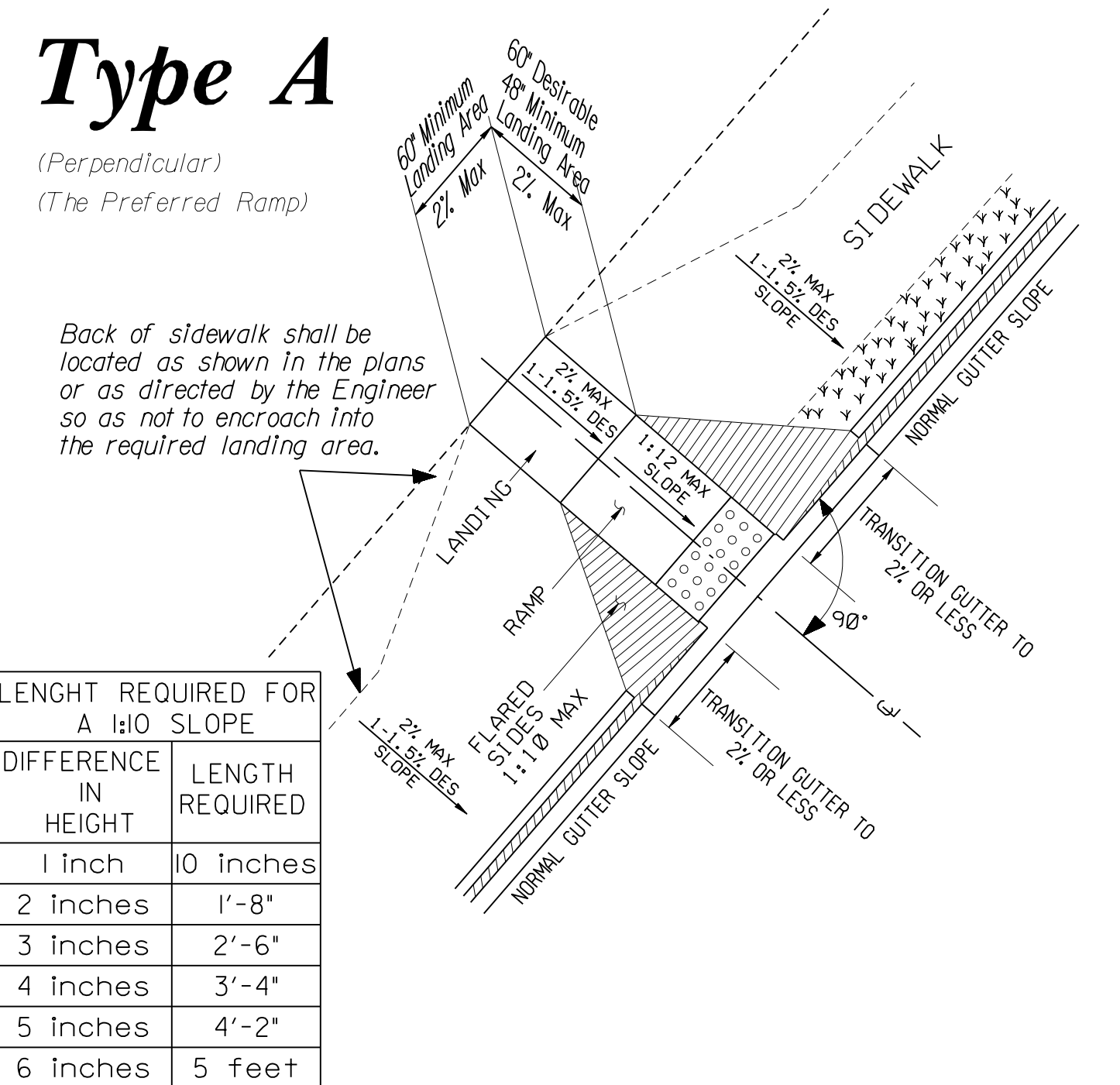
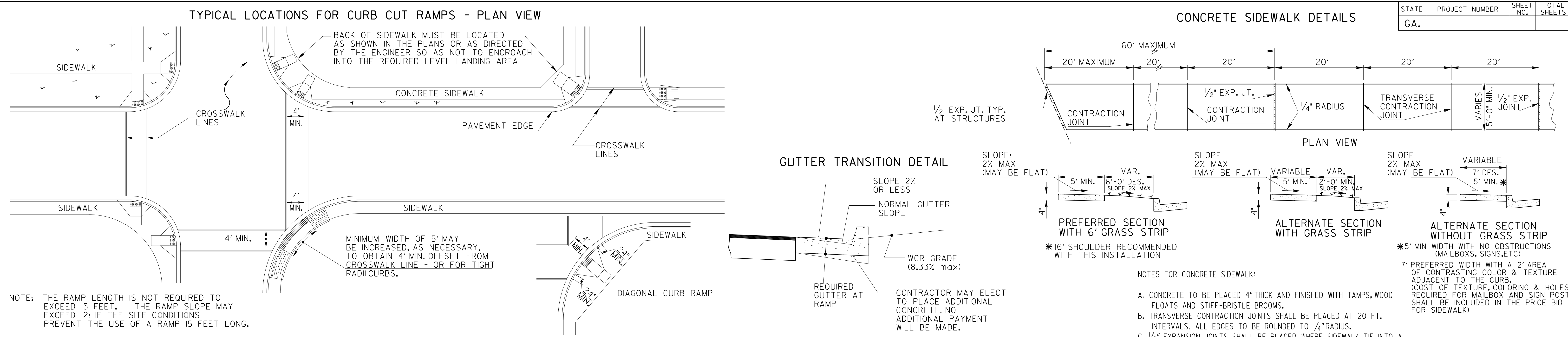
Plant Schedule for Phase 1					
GDOT Pay Item	Botanical Name	Common Name	Quantity	Size	Spacing
702-0006	Abelia x grandiflora 'Prostrata'	Prostrate Abelia	220	5 Gal.	4' - 0" O.C.
702-0030	Acer rubrum 'October Glory'	October Glory Maple	8	4" Caliper	See Plan
702-0330	Hemerocallis 'Stella de Oro'	Stella d'Oro Daylily	4	4" Pot	1' - 0" O.C.
702-0570	Liriope spicata	Lily Turf	141	1 Flat	1' - 0" O.C.
702-0610	Loropetalum chinense 'Snow Muffin'	Snow Muffin' Loropetalum	359	5 Gal.	4' - 0" O.C.
702-0905	Quercus phellos	Willow Oak	4	4" Caliper	See Plan
163-0240	Dark brown, hardwood mulch	27.7	TN		

Notes: Sourced from Green Reyno, Buck Jones, or Approved Nursery from the Landscape Architect;
Contractor will be responsible for a 1 year bond on plant material with an option for a 2 year bond.
Plants may not be planted within other properties. Plant within the street right of way.

SNOW MUFFIN' LOROPETALUM AND 'PROSTRATA' ABELIA MAY ONLY BE PURCHASED AND INSTALLED AS PLANTS THAT REACH A MAXIMUM HEIGHT OF 30". CHECK ALL PLANT TAGS PRIOR TO PURCHASING AND INSTALLING TO MEET THIS REQUIREMENT.

MAINTENANCE: ALL TREES MUST BE LIMBED UP TO HAVE A 80" VERTICAL CLEAR ZONE TO PROVIDE SAFE SIGHT LINE FOR VEHICLES.





NOTES FOR CURB CUT RAMPS:

1. CURB CUT RAMPS WILL BE LOCATED AS FOLLOWS UNLESS PLANS OR CONTRACT SPECIFY OTHERWISE.

a) AT ALL PEDESTRIAN CROSSWALKS WHERE CURB IS CONSTRUCTED OR REPLACED.

b) WHERE THE SIDEWALK, CONCRETE OR UNPAVED, IS INTERRUPTED BY THE CURB AT TURNOUTS OR AT INTERSECTIONS.

c) AT OTHER LOCATIONS SUCH AS HOSPITALS, NURSING HOMES, REST AREAS, ETC., WHERE THE CURB WOULD OTHERWISE BE AN OBSTRUCTION TO THE PHYSICALLY DISABLED.

2. RAMPS WILL BE CONSTRUCTED FROM CONCRETE. SPECIFICATIONS FOR RAMPS WILL BE THE SAME AS FOR CONCRETE SIDEWALK. RAMPS SHALL HAVE EITHER A ROUGH OR A TEXTURED FINISH.

3. DROP INLETS ARE NOT TO BE LOCATED DIRECTLY IN FRONT OF RAMPS. CATCH BASINS SHOULD BE LOCATED AT LEAST 10 FT. FROM RAMPS WHEN FEASIBLE.

4. WHERE RAMPS ARE LOCATED IN RADII, THE DIMENSIONS SHOWN FOR RAMP WIDTHS AND TAPERS ARE MEASURED PERPENDICULAR TO THE RAMP AND NOT ALONG THE CURVE.

5. WHERE UTILITY STRUCTURES CONFLICT, WHERE SIDEWALK GEOMETRY VARIES, AT SKewed INTERSECTIONS, OR IN OTHER SPECIAL CASES, THE RAMP DESIGNS MAY BE MODIFIED BY THE DESIGNER OR ENGINEER, PROVIDED THAT THE WIDTH REMAINS A MINIMUM OF 48 INCHES, AND NO SLOPE ON THE ACCESSIBLE PART OF THE RAMP IS STEEPER THAN 12:1.

6. LIN. FT. OF CURB AND GUTTER WILL INCLUDE THE TRANSITIONED CURB IN FRONT OF RAMPS. SO. YDS. OF CONCRETE SIDEWALK AND CONCRETE MEDIAN PAVING WILL INCLUDE RAMPS. NO ADDITIONAL PAYMENT WILL BE MADE FOR CURB RAMPS. NO ADDITIONAL PAYMENT WILL BE MADE FOR SAWING AND REMOVING EXISTING SIDEWALK OR CURB WHERE NECESSARY FOR RAMP CONSTRUCTION.

7. WHEN A CURB RAMP IS PLACED ON EXISTING PAVEMENT, THE PAVEMENT SHALL BE REMOVED TO PROVIDE A MINIMUM THICKNESS OF 3 INCHES OF CONCRETE AT ALL LOCATIONS. NO SEPARATE PAYMENT WILL BE MADE FOR REMOVAL OF THE PAVEMENT.

8. DETECTABLE WARNING SURFACES ARE REQUIRED ON ALL INTERSECTIONS WITH PUBLIC STREETS, SIGNALIZED COMMERCIAL DRIVEWAYS, AND COMMERCIAL DRIVEWAYS WITH AN AADT OF 25 VPD.

This Detail Replaces Ga Standard 9031W

Guidelines For Usage On Metric Projects

When these details are Incorporated Into plans and or projects that are being prepared or constructed In metric units, exact or precise conversion to metric units is not required. The dimensions shown that are in feet and inches may be converted to corresponding metric units using the following "Rounded-Off" conversion factors: 1" =25mm, 4"=100mm, and 12" or 1' =300mm. All measurement notes that refer to linear feet and square yards shall be interpreted to mean linear meters and square meters.

DEPARTMENT OF TRANSPORTATION

STATE OF GEORGIA

SPECIAL DETAIL

CONCRETE SIDEWALK DETAILS

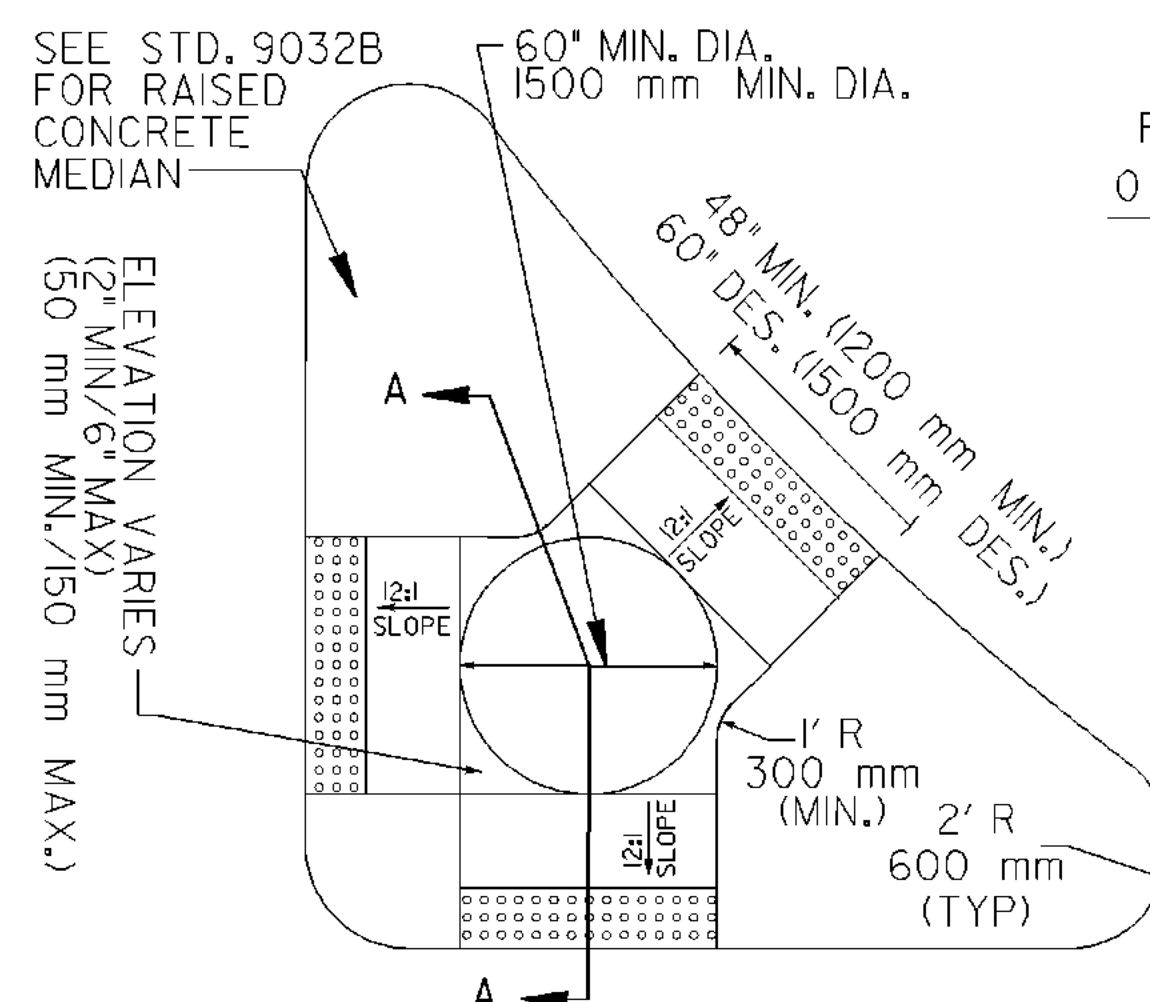
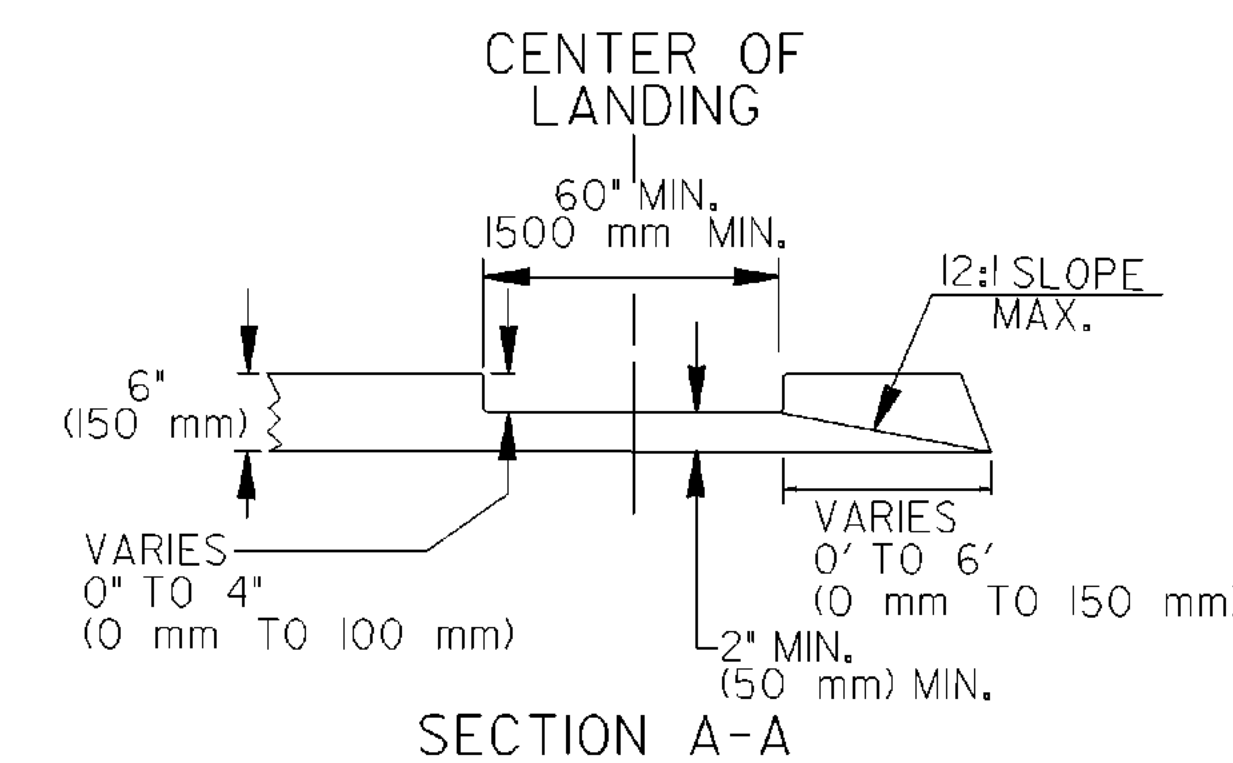
CURB CUT (WHEELCHAIR) RAMPS

NO SCALE

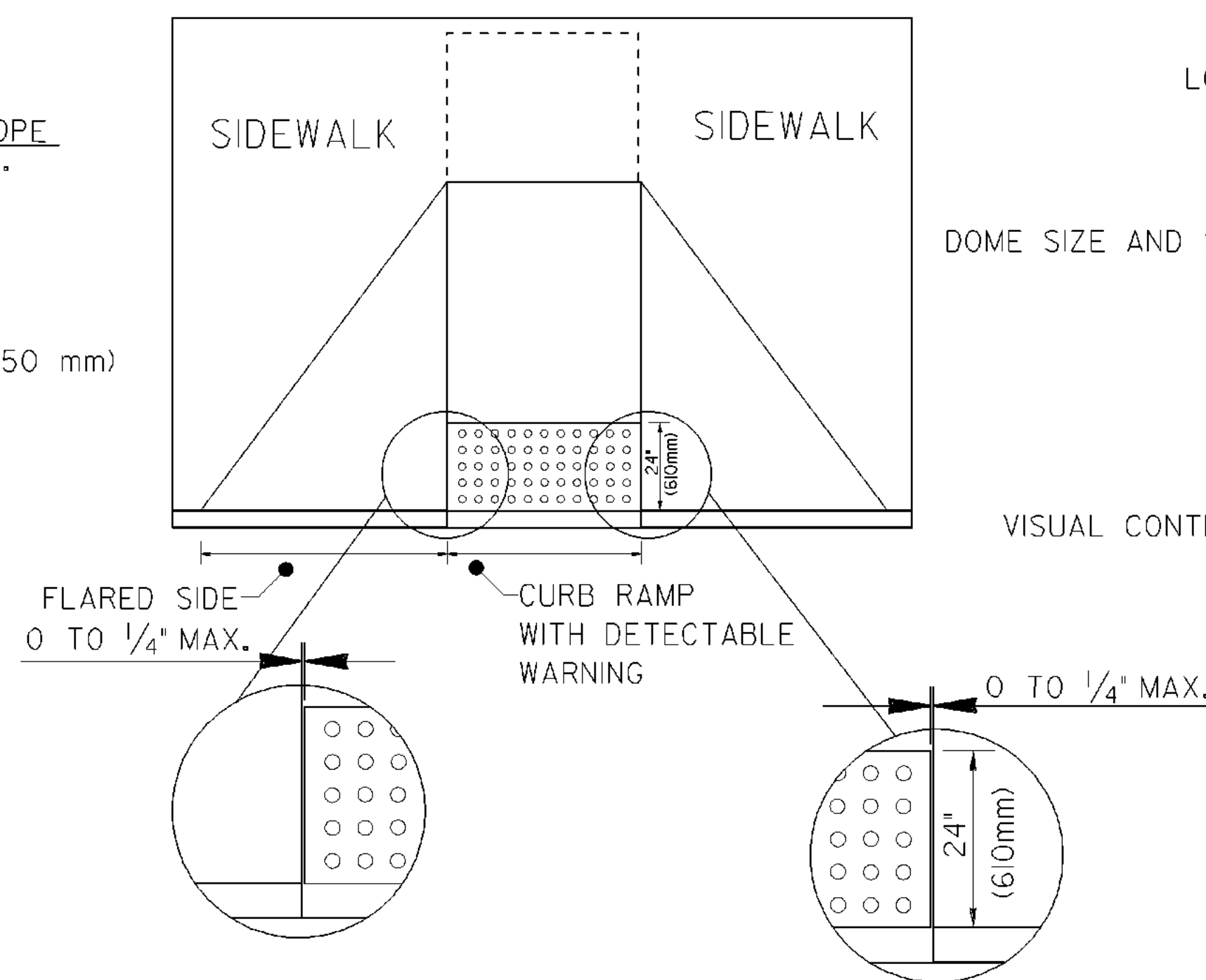
MARCH 12, 2002

NUMBER

A3



CONCRETE ISLAND WITH ELEVATED CUT THROUGH

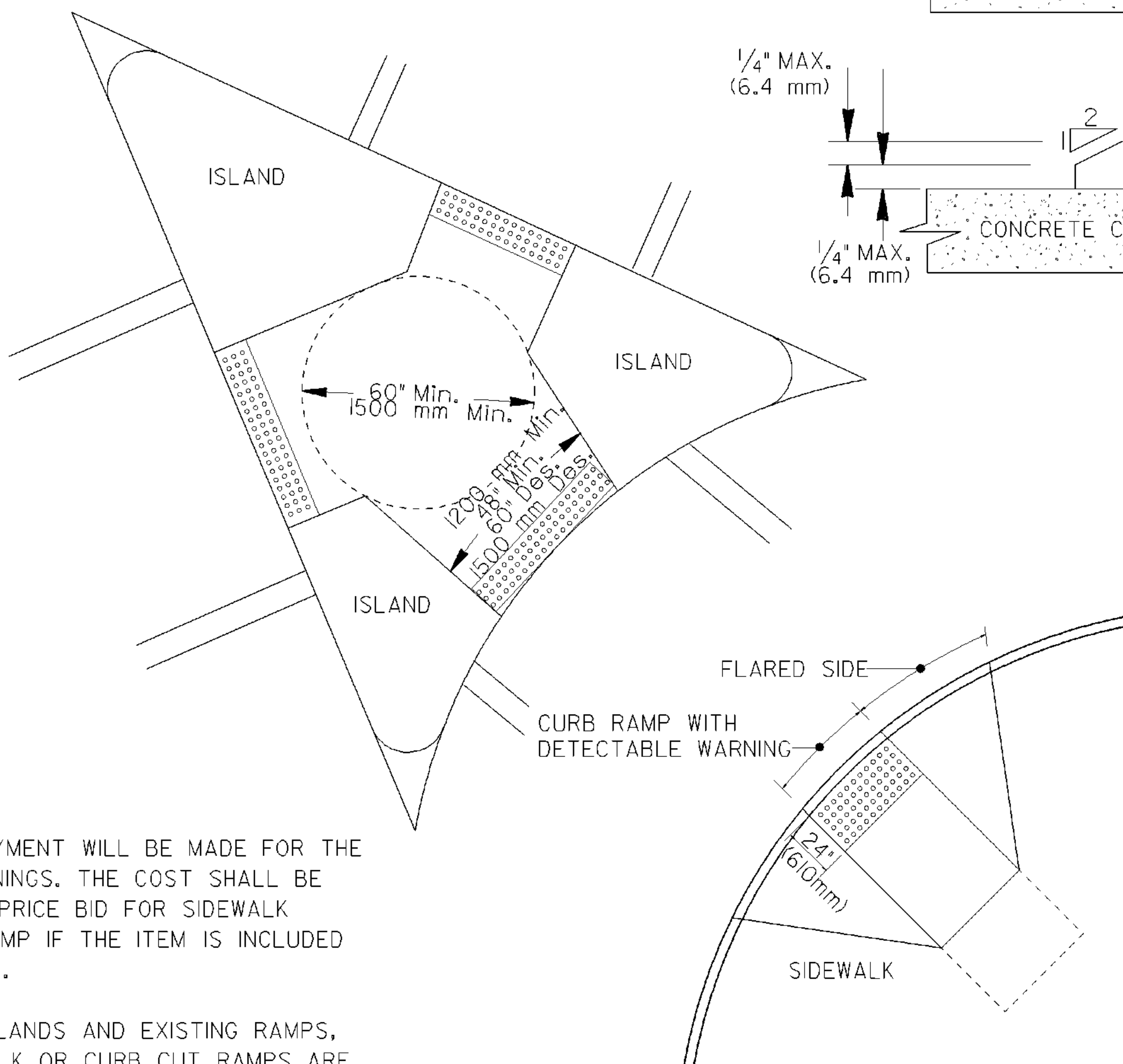
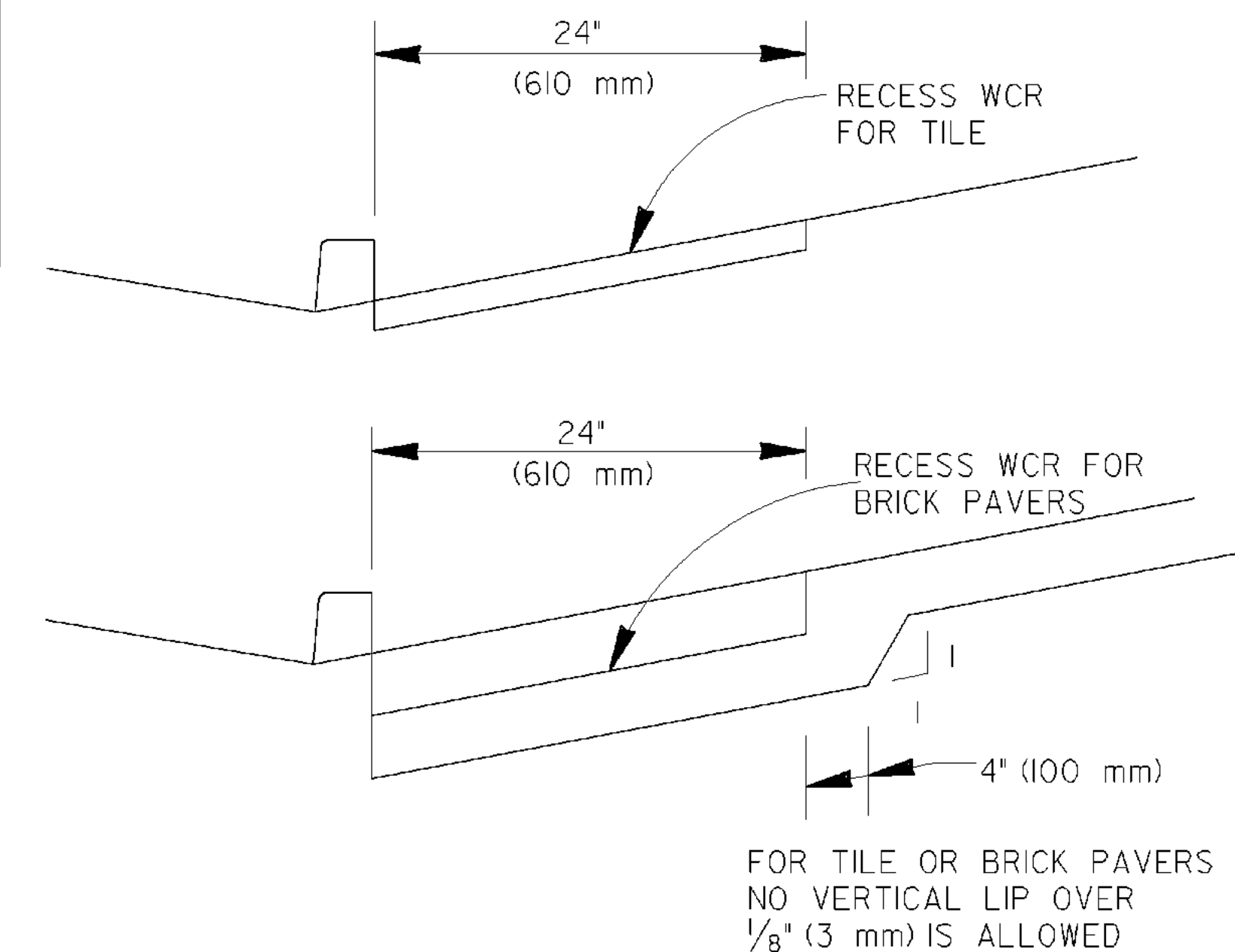
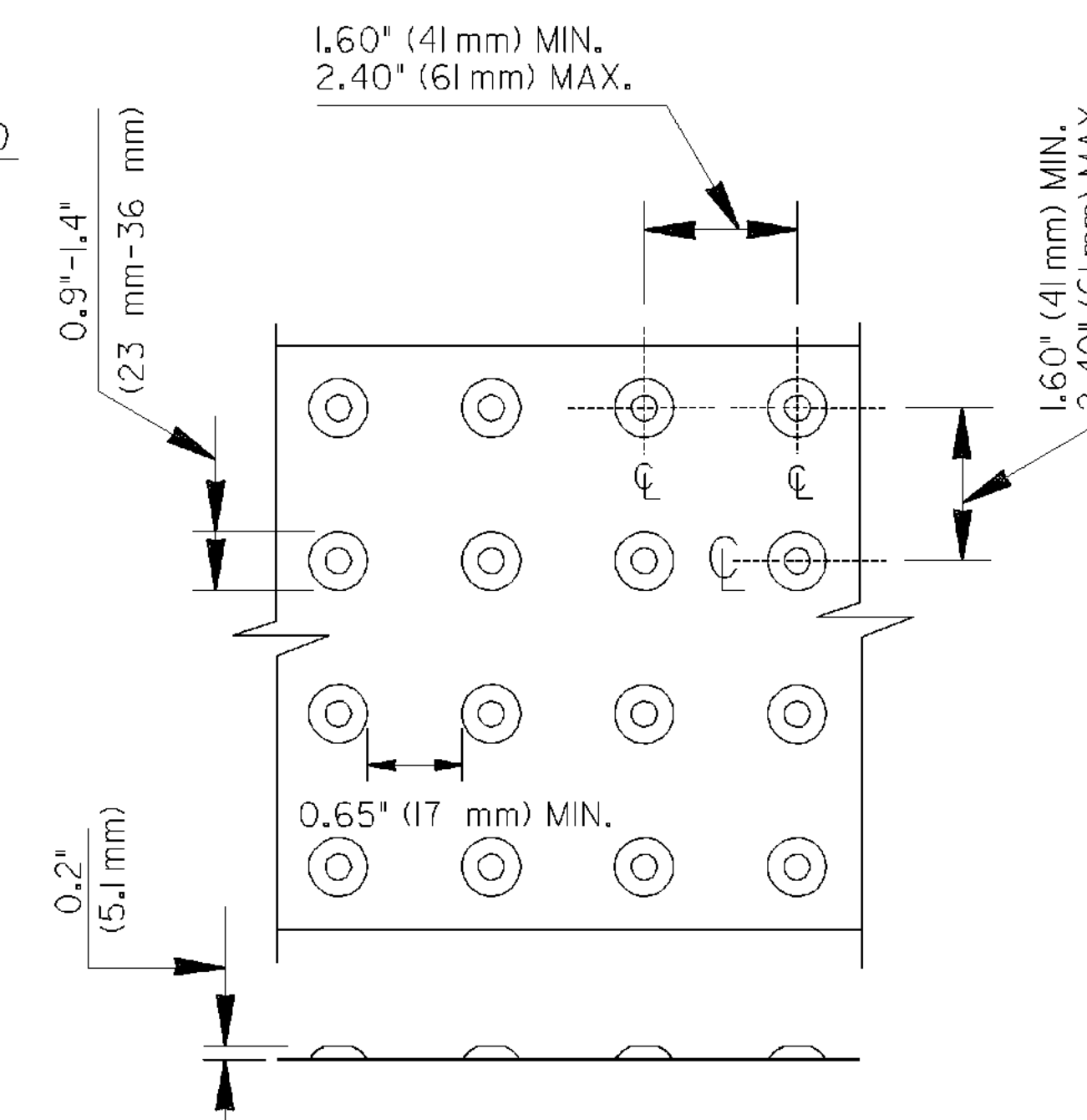
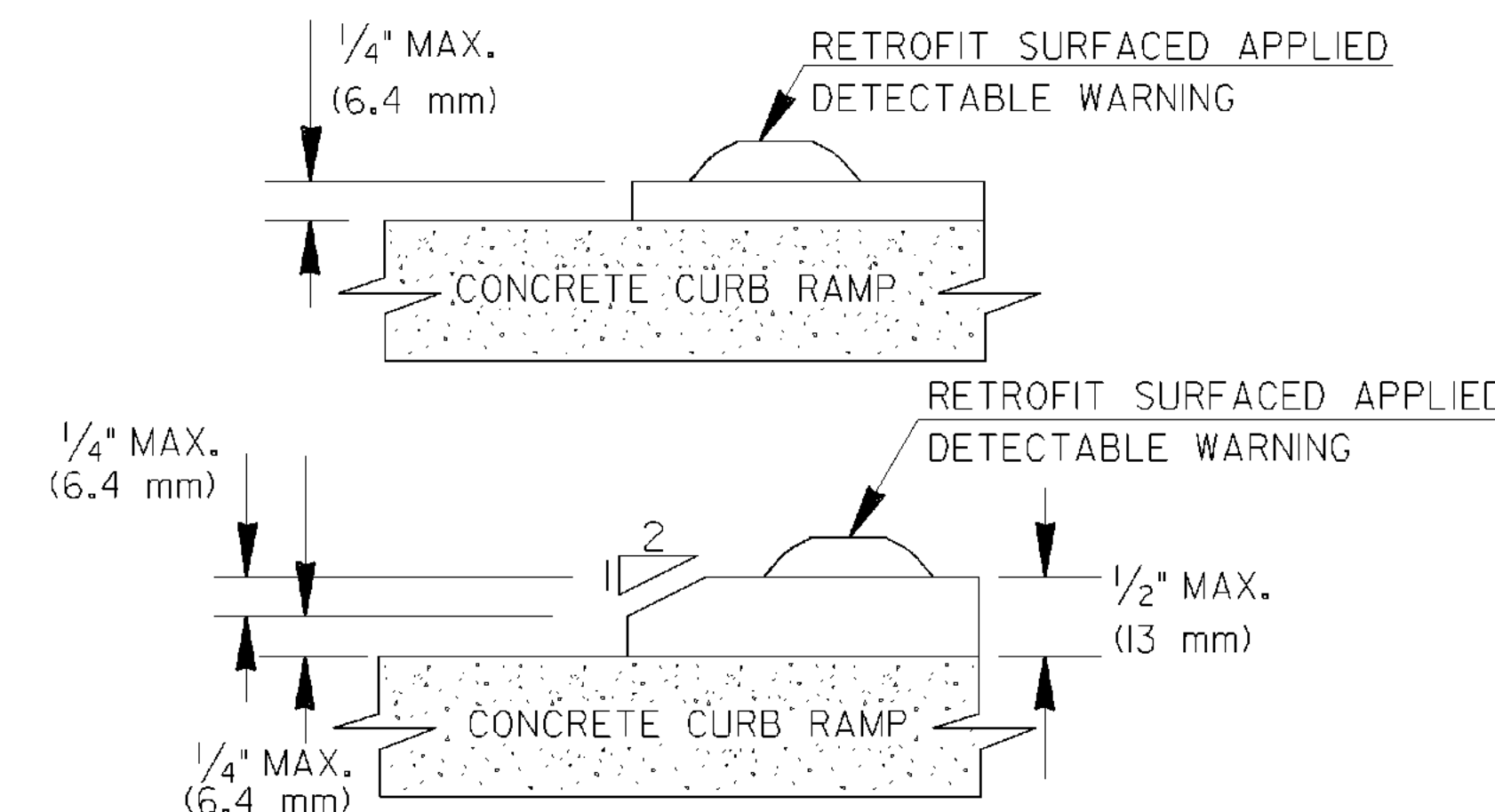
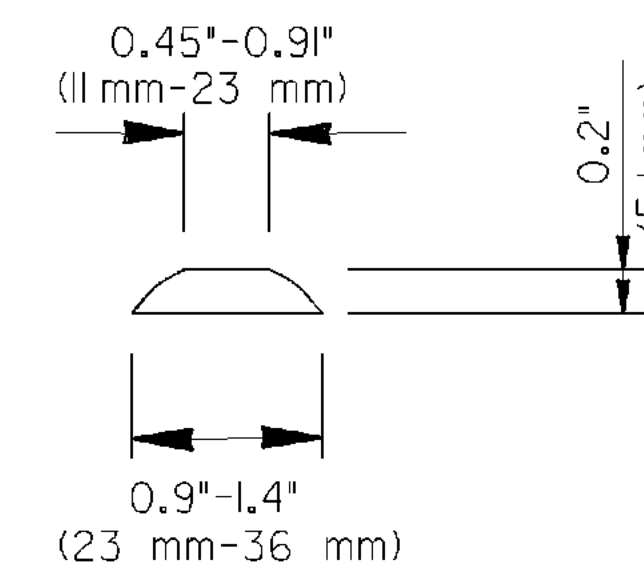


SIZE: DETECTABLE WARNINGS SHALL BE 24 INCHES (610 mm) IN THE DIRECTION OF PEDESTRIAN TRAVEL AND EXTEND THE FULL WIDTH OF THE CURB RAMP OR FLUSH SURFACE.

LOCATION: THE DETECTABLE WARNING SHALL BE LOCATED SO THAT THE EDGE NEAREST THE CURB LINE OR OTHER POTENTIAL HAZARD IS 6 TO 8 INCHES (150 mm to 180mm) FROM THE CURB LINE OR OTHER POTENTIAL HAZARD, SUCH AS A REFLECTIVE POOL EDGE OR THE DYNAMIC ENVELOPE OF RAIL OPERATIONS.

DOME SIZE AND SPACING: TRUNCATED DOMES SHALL HAVE A BASE DIAMETER OF 0.9 INCH TO 1.4 INCH (23mm-36mm) AT THE BOTTOM, A DIAMETER OF 0.45 INCH TO 0.91 INCH (11mm-23mm) AT THE TOP, THE TOP DIAMETER SHALL BE A MINIMUM OF 50% AND A MAXIMUM OF 65% OF THE BASE DIAMETER, A HEIGHT OF 0.2 INCH (5.1mm) AND A CENTER-TO-CENTER SPACING OF 2.40 INCHES (61mm) DESIRABLE 1.60 INCHES (41mm) MINIMUM MEASURED ALONG ONE SIDE OF A SQUARE ARRANGEMENT. DOMES SHALL HAVE A SQUARE ARRANGEMENT. DOMES SHALL BE ALIGNED ON A SQUARE GRID IN THE PREDOMINANT DIRECTION OF TRAVEL TO PERMIT WHEELS TO ROLL BETWEEN DOMES.

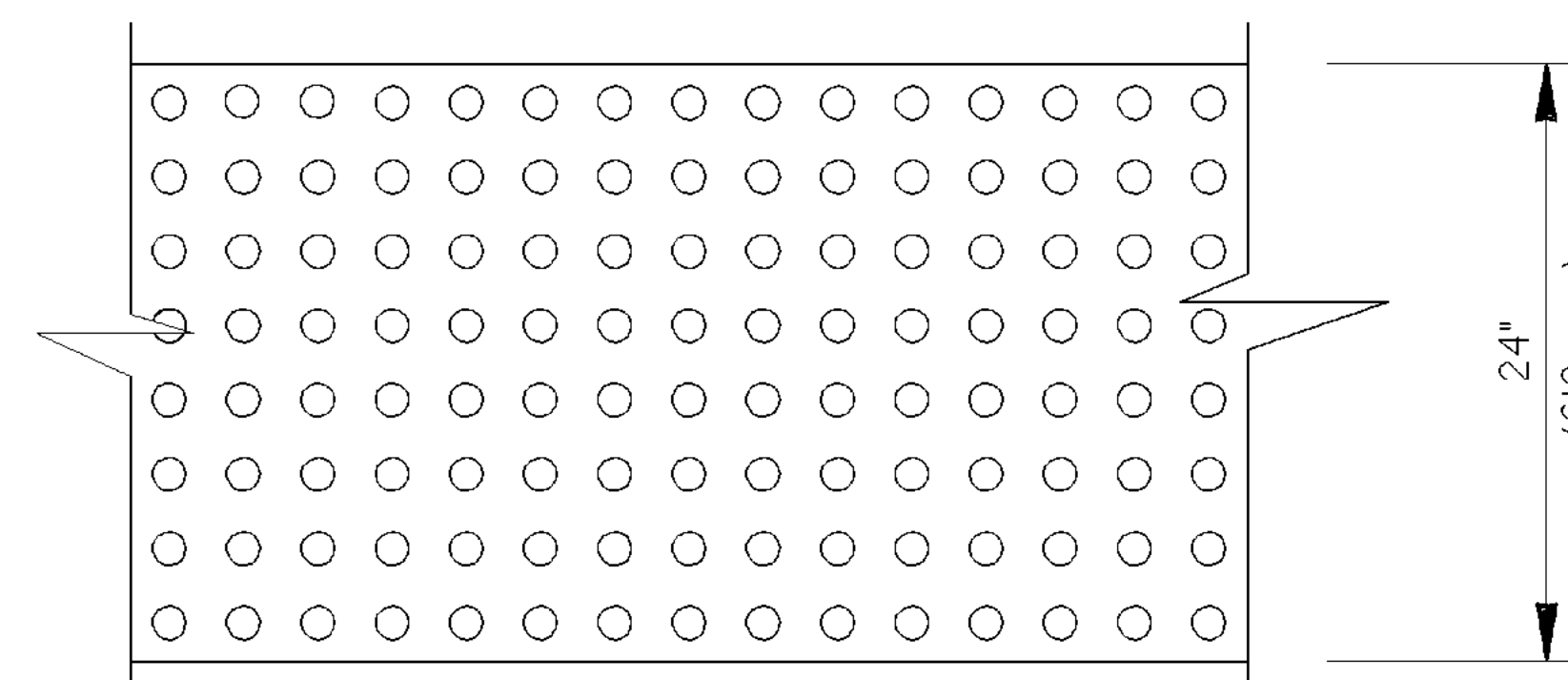
VISUAL CONTRAST: DETECTABLE WARNING SURFACES SHALL CONTRAST VISUALLY WITH THE ADJACENT WALKING SURFACE EITHER LIGHT-ON-DARK OR DARK-ON-LIGHT, THE MATERIAL USED TO PROVIDE VISUAL CONTRAST SHALL BE AN INTEGRAL PART OF THE DETECTABLE WARNING SURFACE.



NO SEPARATE PAYMENT WILL BE MADE FOR THE
DETECTABLE WARNINGS. THE COST SHALL BE
INCLUDED IN THE PRICE BID FOR SIDEWALK
(OR CURB CUT RAMP IF THE ITEM IS INCLUDED
IN THE PROPOSAL).

FOR CUT-THRU ISLANDS AND EXISTING RAMPS, WHERE NO SIDEWALK OR CURB CUT RAMPS ARE IN THE PROPOSAL. THE COST OF THE DETECTABLE WARINGS SHALL BE INCLUDED IN THE OVERALL BID PRICE SUBMITTED.

DETAIL FOR DETECTABLE
WARNING AT CUT-THRU CONCRETE ISLAND



6-18-09	ADDED RETROFIT DETAIL	DEPARTMENT OF TRANSPORTATION
	AND ADDED ALT. RAMP	STATE OF GEORGIA
	DETAIL AND GEN NOTES	
10-2-06	ADDED TOLERANCE TO DTL.	
5-10-06	REVISED/UNCUT DOWNS	
	AND NOTES.	
11-14-02	REVISED	
7-29-02	REVISED	
DATE	REVISION	
		SPECIAL DETAIL
		DETECTABLE WARNING SURFACE TRUNCATED DOME SIZE, SPACING AND ALIGNMENT REQUIREMENTS
NO SCALE		MARCH 12, 2002
QLO		
GLO		
GLO		
BY		NUMBER
		A4

MATERIALS:

NEW CONSTRUCTION

THE DETECTABLE WARNINGS SHALL BE MADE OF MATERIALS SPECIFIED ON QPL 87.

RETROFIT OF EXISTING RAMPS

SURFACED APPLIED MATERIALS WILL ONLY BE APPROVED TO BE USED ON EXISTING WHEELCHAIR RAMPS.

INSTALLATION:

BRICK PAVERS SHALL BE SET IN A WET MORTAR BED. THE BED SHALL BE PLACED ON CONCRETE. THE CONCRETE SHALL BE A MINIMUM OF 4" THICK.

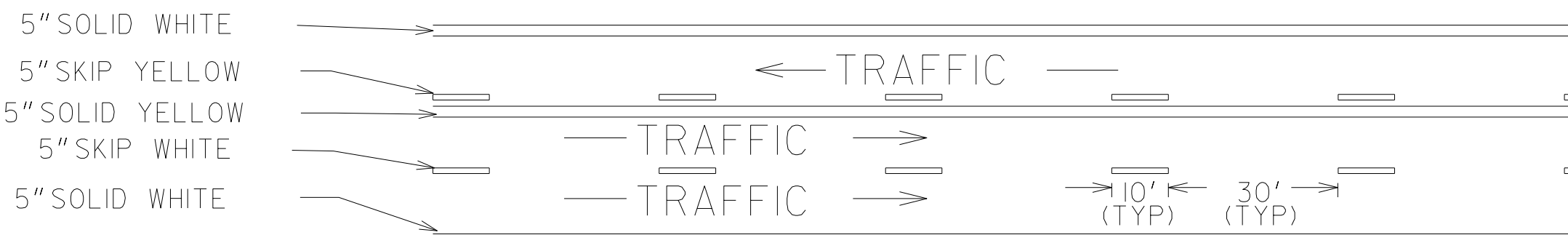
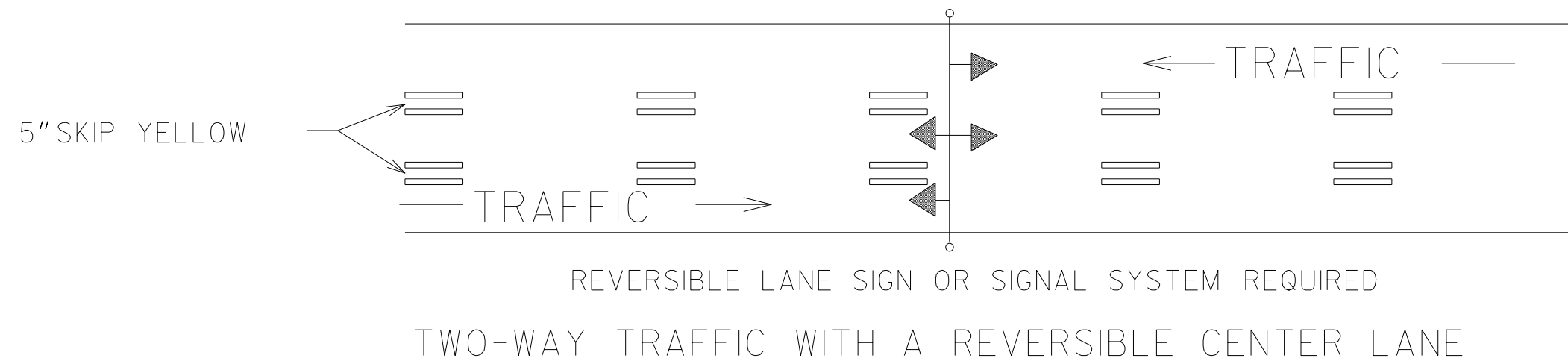
CERAMIC TILE SHALL BE EPOXIED IN PLACE OR SET IN A WET MORTAR BED. MANUFACTURER RECOMMEND ADHESIVE OR FASTENER SHALL BE USED IN THE INSTALLATION.

ALL OTHER MATERIALS SHALL BE INSTALLED
ACCORDING TO MANUFACTURES DETAILS OR
INSTRUCTION.

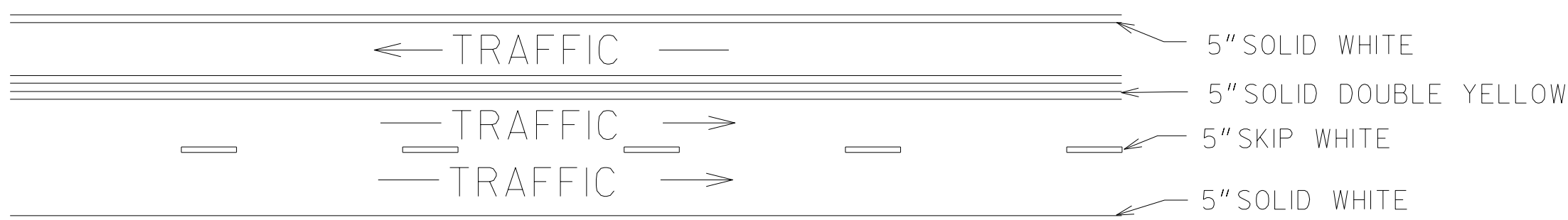
GENERAL NOTES:

RETROFIT SURFACED APPLIED MATERIALS ONLY:

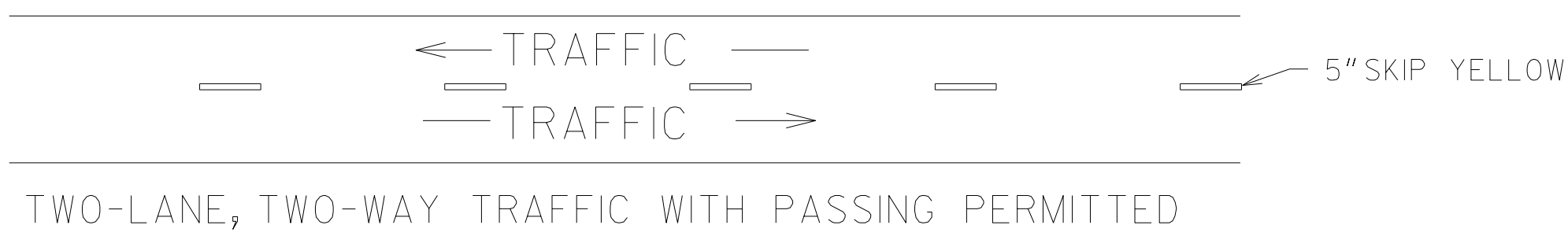
1. CHANGES IN LEVEL OF $\frac{1}{4}$ " (6.4 mm) HIGH MAXIMUM SHALL BE PERMITTED VERTICALLY ON SURFACED APPLIED MATERIALS.
2. CHANGES IN LEVEL BETWEEN $\frac{1}{4}$ " (6.4 mm) HIGH MINIMUM AND $\frac{1}{2}$ " (13mm) HIGH MAXIMUM SHALL BE BEVELED WITH A SLOPE NOT STEEPER THAN 2:1.



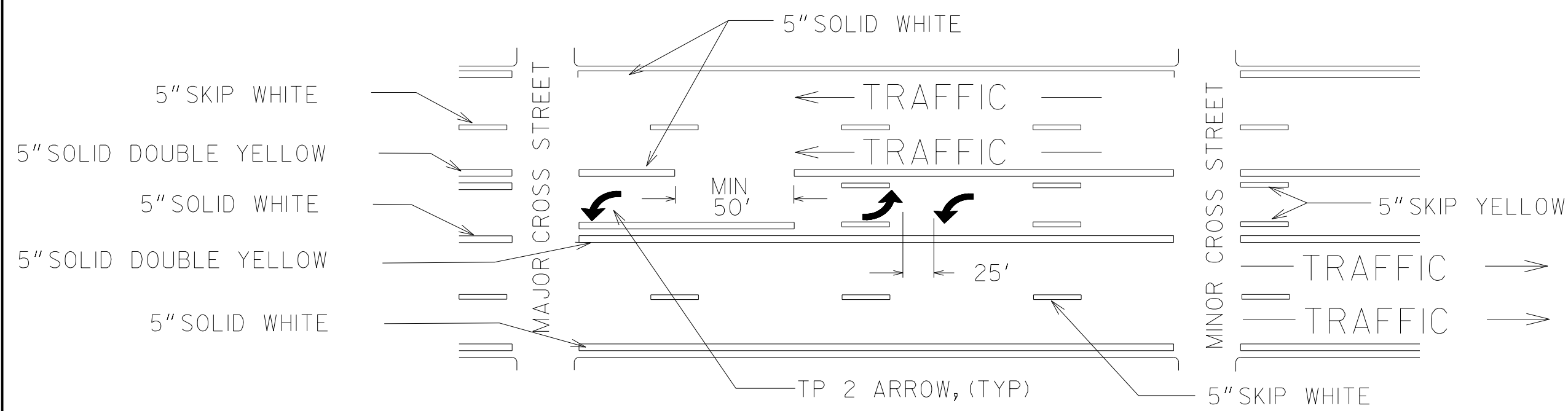
TWO-WAY TRAFFIC WHERE MOTORISTS IN A SINGLE LANE ARE PERMITTED TO PASS



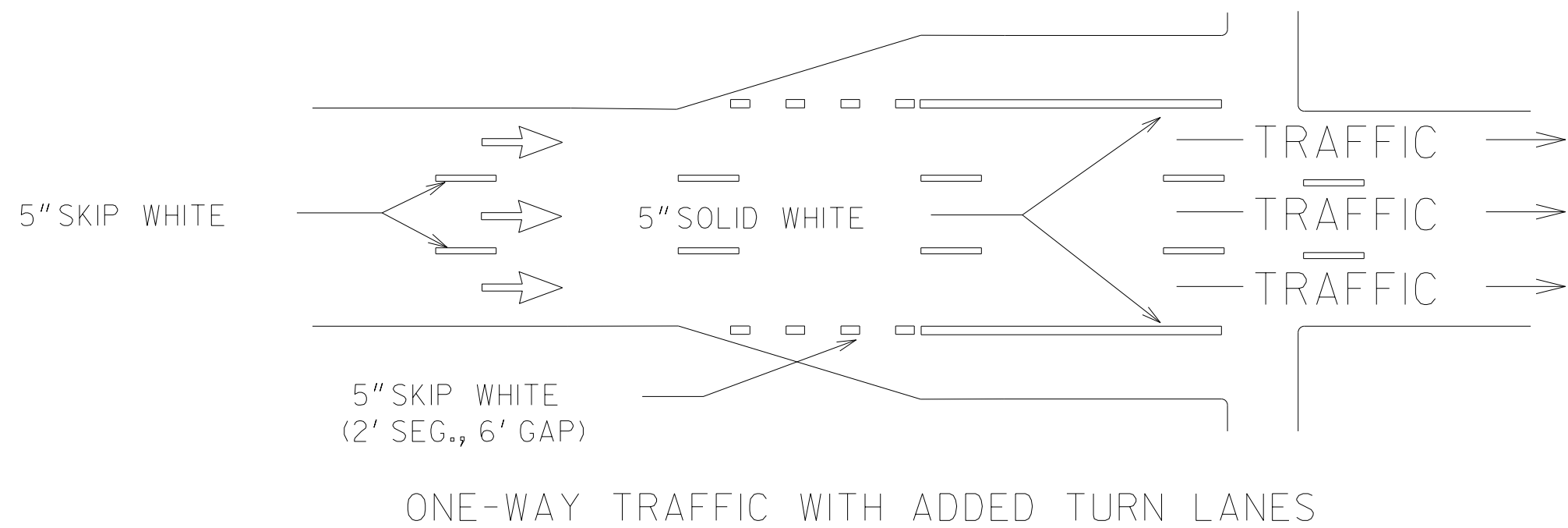
TWO-WAY TRAFFIC WHERE MOTORISTS IN A SINGLE LANE ARE NOT PERMITTED TO PASS



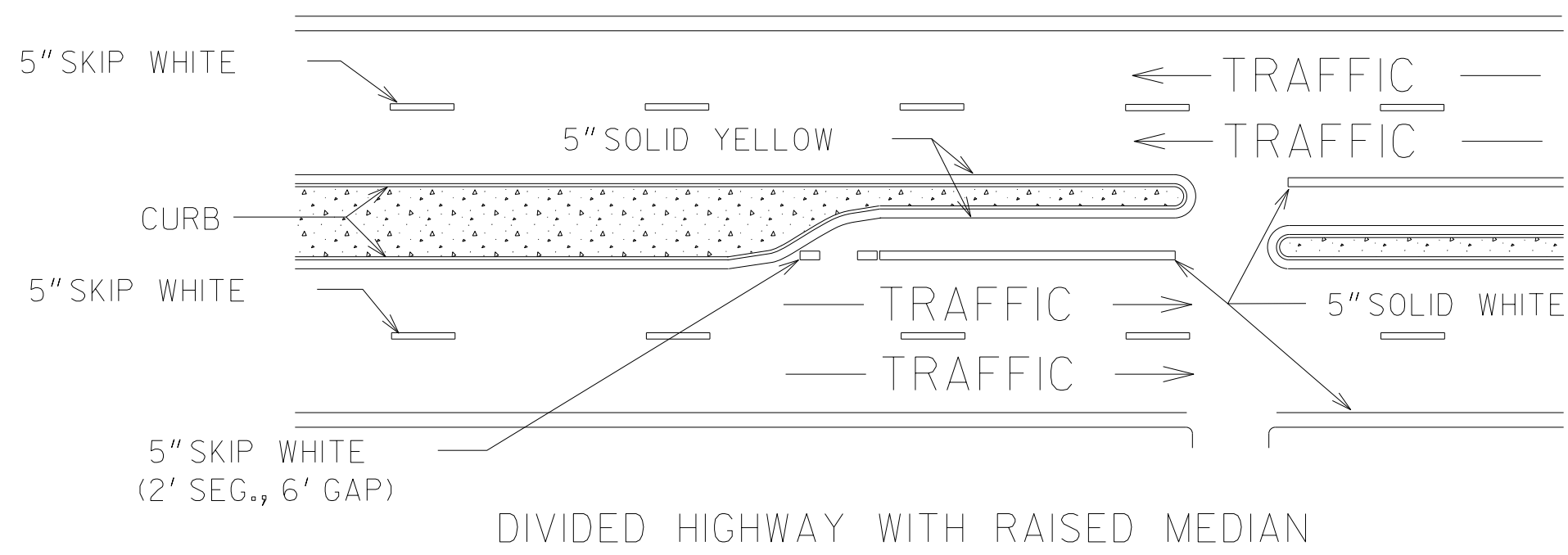
TWO-LANE, TWO-WAY TRAFFIC WITH PASSING PERMITTED



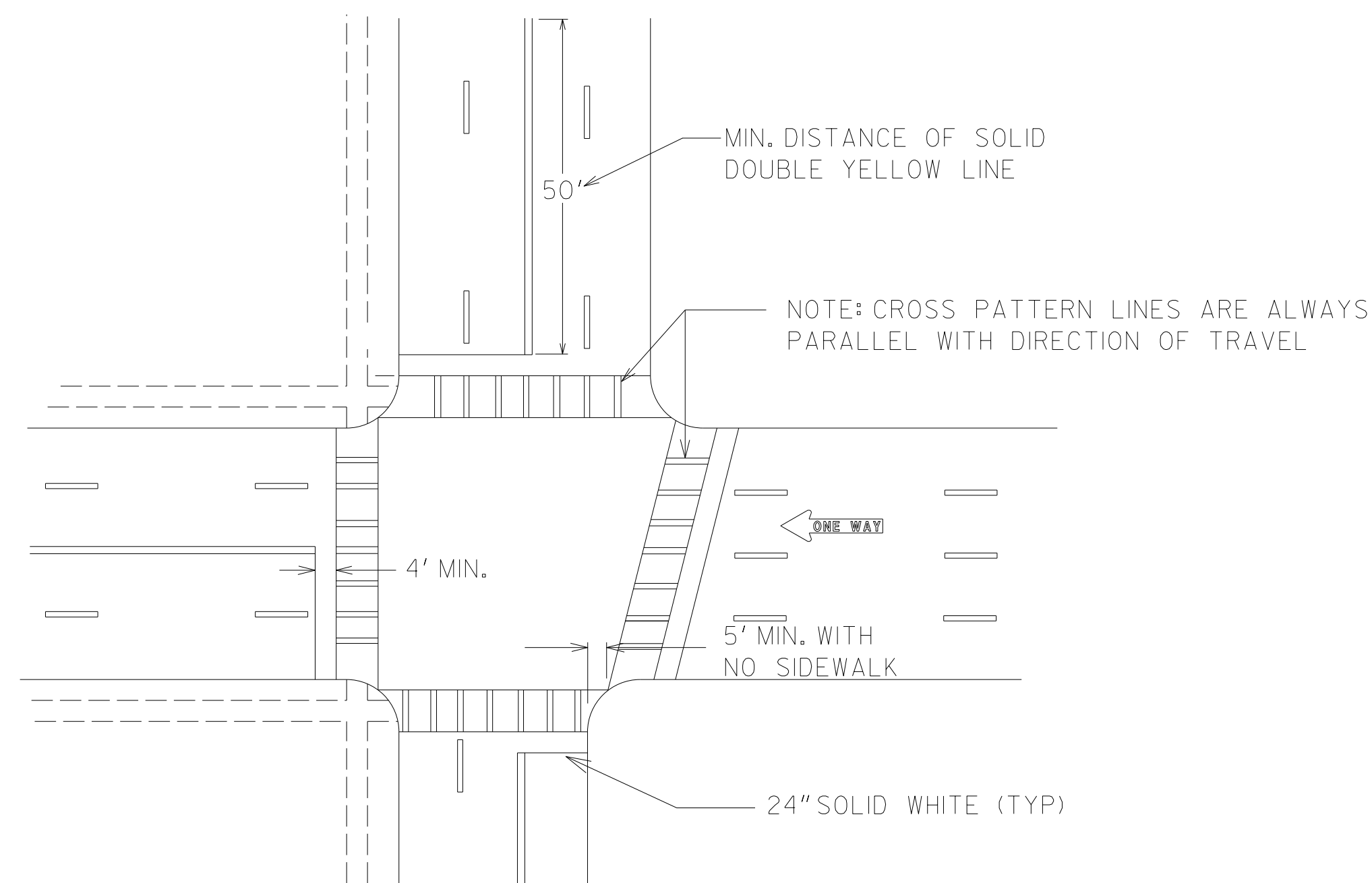
MULTI-LANE, TWO-WAY TRAFFIC WITH SINGLE LANE, TWO-WAY LEFT TURN CHANNELIZATION



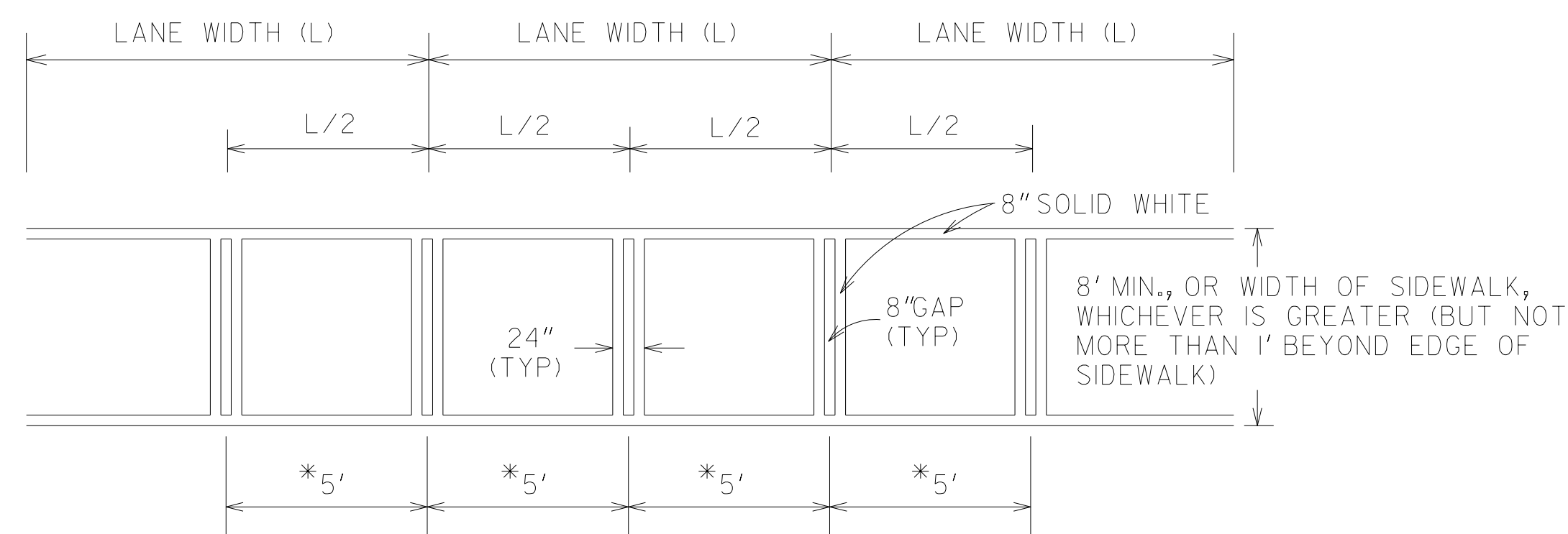
ONE-WAY TRAFFIC WITH ADDED TURN LANES



DIVIDED HIGHWAY WITH RAISED MEDIAN



TYPICAL LOCATION OF CROSSWALKS AND STOP BARS



*USE WHERE THE LANE WIDTH EXCEEDS 12' OR WHERE LANE LINES HAVE BEEN OMITTED

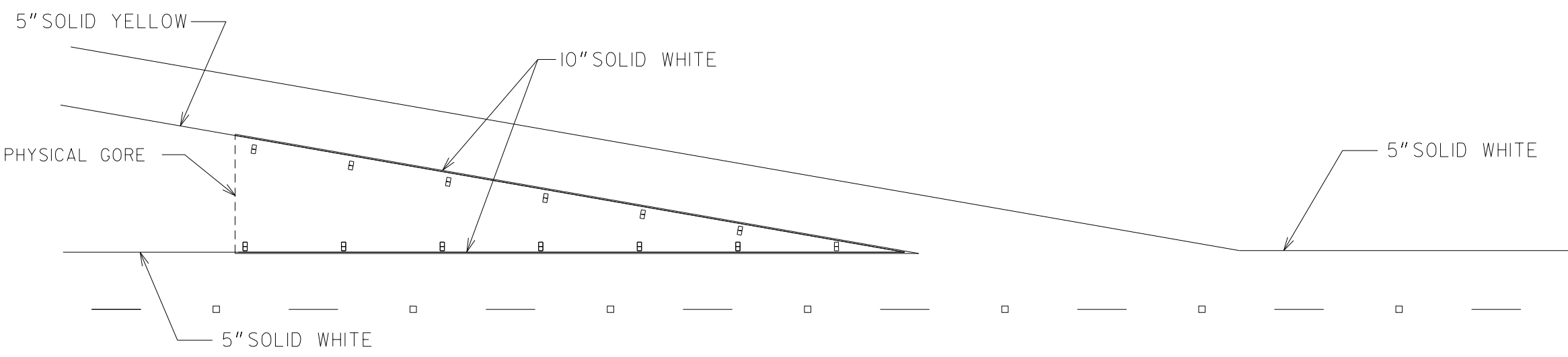
CROSSWALK DETAIL

GENERAL NOTES:

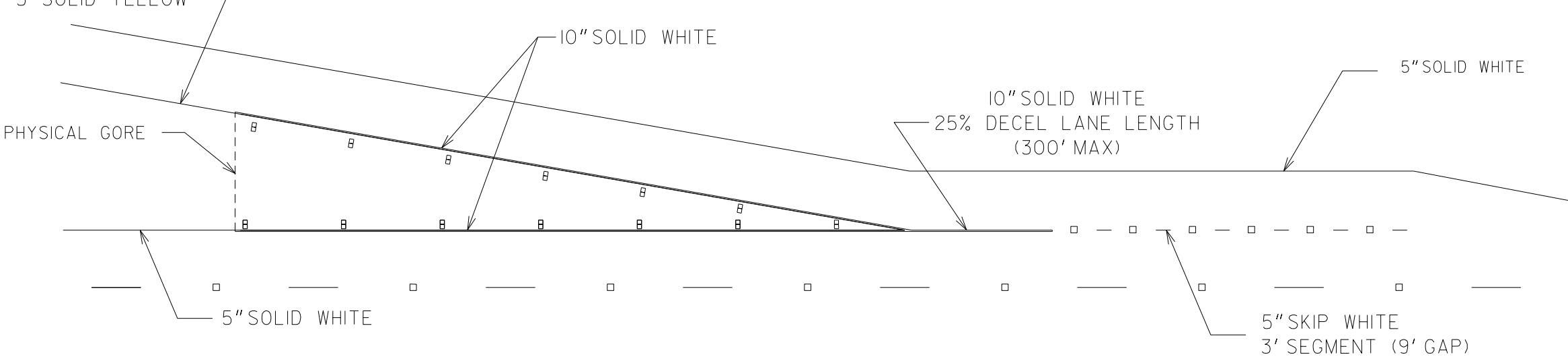
1. SPACING BETWEEN DOUBLE LINES SHALL BE EQUAL TO THE LINE WIDTH.
2. EDGE LINES SHALL BE PLACED A MINIMUM OF 4 INCHES FROM THE NORMAL EDGE OF PAVEMENT.
3. CONTRAST MARKINGS FOR SKIP STRIPING SHALL BE AS SHOWN IN DETAIL T-IIB.

		9-15-16	DATE	DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA	
		ADDED GENERAL NOTE 3	REVISION	CONSTRUCTION DETAILS PAVEMENT MARKING PLACEMENT NON-LIMITED ACCESS ROADWAY	
				NO SCALE	JANUARY 2000
		CDR	BY	DESIGNED _____ DRAWN _____ TRACED _____ CHECKED _____	NUMBER T-IIA

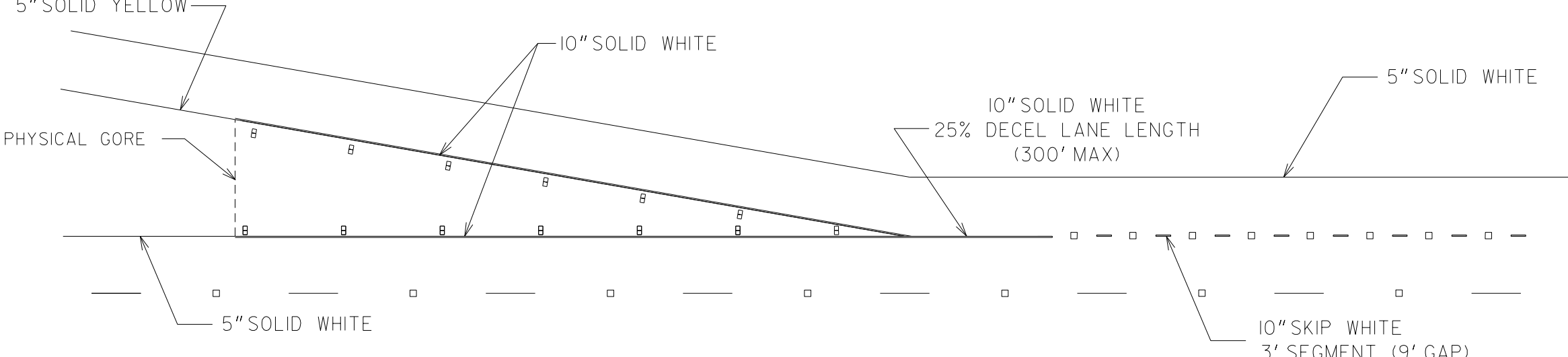
EXIT RAMP



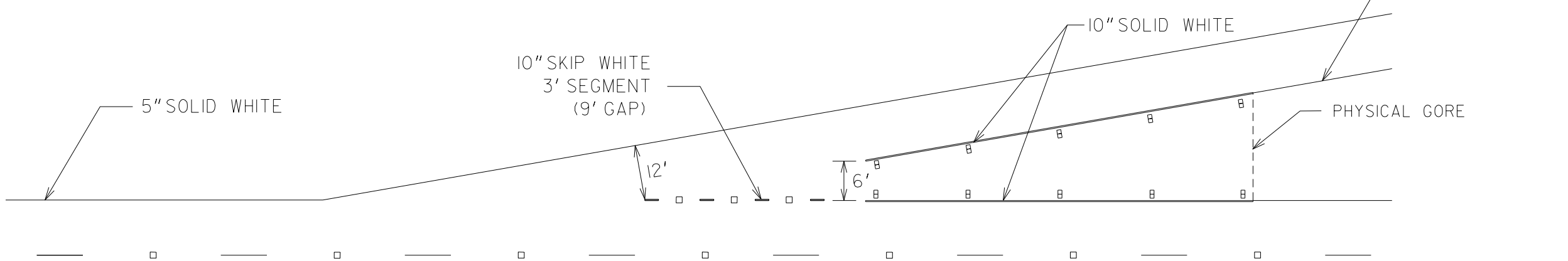
EXIT RAMP W/ DECEL LANE



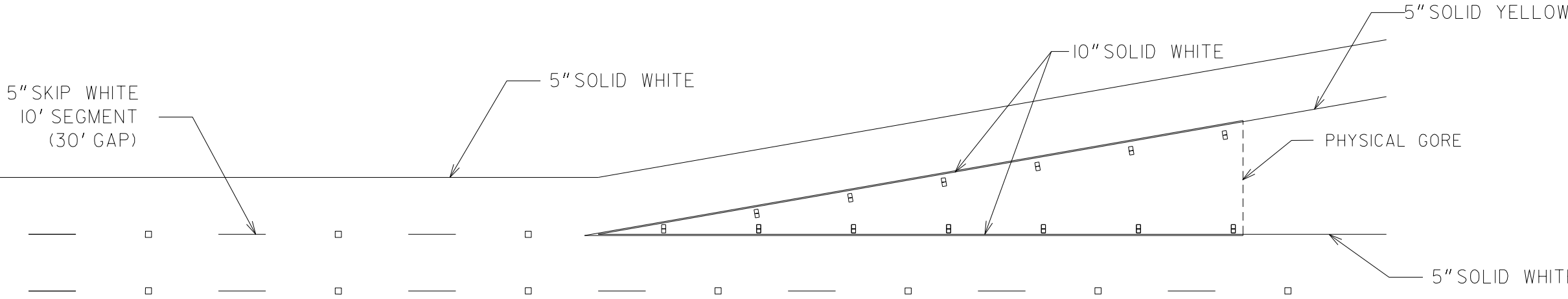
EXIT RAMP W/ DROP LANE



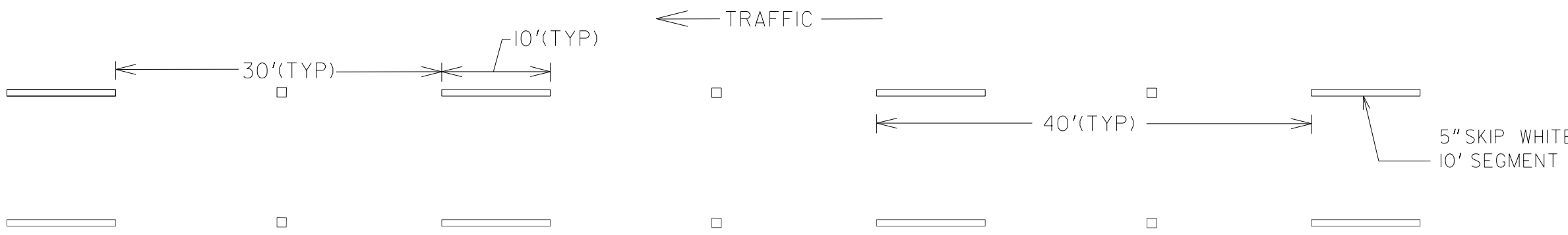
ENTRANCE RAMP



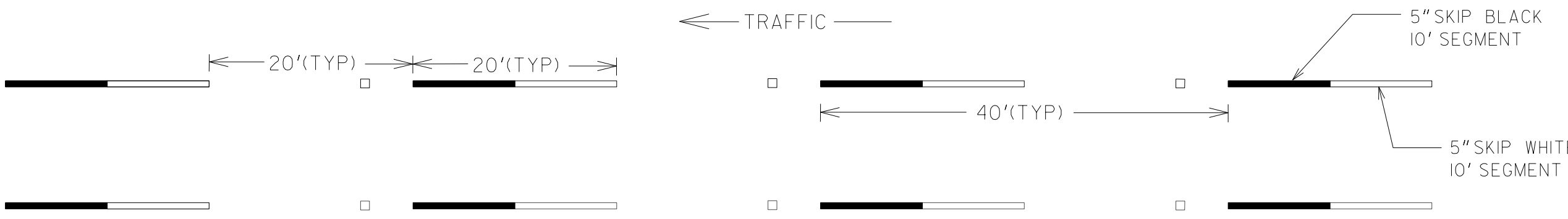
FREE-FLOW ENTRANCE RAMP



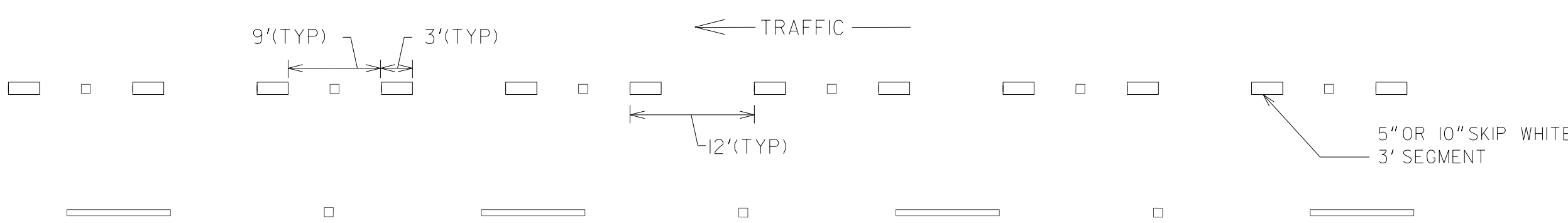
SKIP WHITE 10' SEGMENT (30' GAP)



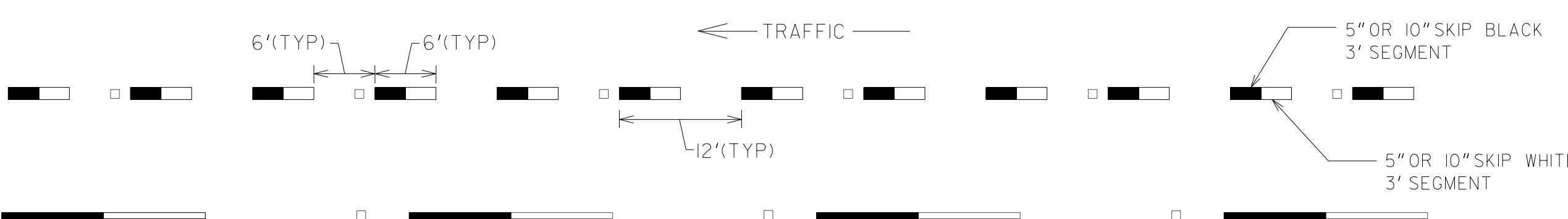
SKIP WHITE W/ CONTRAST 20' SEGMENT (20' GAP)



SKIP WHITE 3' SEGMENT (9' GAP)



SKIP WHITE W/ CONTRAST 6' SEGMENT (6' GAP)



GENERAL NOTES:

- ALL PAVEMENT MARKINGS SHALL BE REFLECTORIZED.
- EDGE LINES SHALL BE OFFSET 4 INCHES FROM THE NORMAL EDGE OF PAVEMENT.
- CONTRAST MARKINGS ARE TO BE PLACED AT LOCATIONS AS SPECIFIED IN THE PAVEMENT MARKING SELECTION CHART IN THE SIGNING AND MARKING GUIDELINES.
- EXISTING PAVEMENT MARKINGS THAT CONFLICT WITH NEW PAVEMENT MARKINGS SHALL BE OBLITERATED OR REMOVED PRIOR TO THE INSTALLATION OF NEW PAVEMENT MARKINGS AS DIRECTED BY THE ENGINEER. NO SEPARATE PAYMENT SHALL BE MADE FOR THIS WORK BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE NEW PAVEMENT MARKINGS.

		9-15-16	DATE	DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA	
			REVISION	CONSTRUCTION DETAILS PAVEMENT MARKING PLACEMENT LIMITED ACCESS ROADWAY	
		REDRAWN		NO SCALE	JANUARY 2000
		COR BY	DESIGNED _____ DRAWN _____ TRACED _____ CHECKED _____		NUMBER T-IIB

		11-15-II		1-27-II		3-03		DATE		DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA	
		REV. TYPE 9 CURB DETAIL & REV. OVERALL LAYOUT		REV. MEDIAN NOTE AND		ADDED TYPE 9 CURB DETAIL		ADDED TYPE 9 DETAIL REVISION		STANDARD CONCRETE CURB & GUTTER CONCRETE CURBS, CONCRETE MEDIANS	
										SCALE: AS SHOWN REVISED AND REDRAWN OCT. 2011	
TC		DES. _____ DRW. _____		(SUBMITTED) <i>Brenda S. Ste...</i> STATE DESIGN POLICY ENGINEER		NUMBER					
G.O.		TRA. _____ CHK. _____		(APPROVED) <i>Dorothy M. Ross</i> CHIEF ENGINEER		9032B					