CITY OF UNION CITY

STANDARD DETAILS 2012
(AMENDED 2018)

City of Union City
Department of Public Works
34009 Alvarado Niles Road
Union City, CA 94568
CITY OF UNION CITY - STANDARD DETAILS

STREET AND HIGHWAY STANDARDS:
STD-101 TIE-IN PAVEMENT
STD-102 CONFORM DETAILS FOR PAVEMENT OVERLAY PROJECTS
STD-103 PAVEMENT REPAIR DETAIL (DIGOUTS)
STD-104 PAVED TRAIL PAVEMENT REPAIR (DIGOUTS)
STD-105 TEMPORARY STEEL PLATE INSTALLATIONS

PARKWAY STANDARDS:
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STD-202 COMMERCIAL & INDUSTRIAL DRIVEWAY
STD-203 SIDEWALK, CURB & GUTTER
STD-204 TRANSITION SIDEWALK & CURB RETURN
STD-205 HANDICAP RAMP
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TRAFFIC STANDARDS:
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SEWER & WATER STANDARDS:
STD-401 STORM DRAIN MANHOLE
STD-402 FIRE HYDRANT LOCATION
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TRANSIT STANDARDS:
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MISCELLANEOUS DETAILS:
STD-601 STANDARD MONUMENT
STD-602 UTILITY TRENCH
STD-603 TRENCH BACKFILL AND PERMANENT SURFACING
STD-604 STREET NAME SIGN

ROADSIDE STANDARD:
STD-701 ROADSIDE PATH
CASE I - CONFORM TO CROWN OF PAVEMENT
NOT TO SCALE

CASE II - CONFORM WITH LOW PAVEMENT CROWN
NOT TO SCALE

CASE III - CONFORM TO HIGH PAVEMENT CROWN
NOT TO SCALE

* MAXIMUM SLOPE OF 5% MAY BE ALLOWED
WITHIN 7’ OF THE CURB LINE IF THE 7’ WIDE
AREA IS USED FOR PARKING.
* CORE TO DETERMINE IF CASE III IS FEASIBLE
PLAN

GUTTER CONFORM DETAIL
SECTION A-A

PROJECT END CONFORM DETAIL
SECTION B-B

STANDARD DETAILS
CONFORM DETAILS
FOR PAVEMENT
OVERLAY PROJECTS
DIGOUT DETAIL

- MINIMUM WIDTH = 4'
- DIGOUT DEPTH (MIN. 5')
- TACK COAT SS1H CUT 50-60% WATER
- COMPACT EXIST. EXPOSED GRADE TO 95% RELATIVE COMPACION
- HMA REPAIR
- (EXIST. AGG. BASE)
- EXIST. PAVEMENT SECTION THICKNESS VARIES
- TO BE INSTALLED IN 2" MAX LIFTS

CITY OF UNION CITY
PUBLIC WORKS DEPARTMENT

DATE: 11/1/2012 DRAWN BY: M.R.

APPROVED
CITY ENGINEER

STANDARD DETAILS

PAVEMENT REPAIR DETAIL (DIGOUTS)

DRAWING NO. STD - 103
MINIMUM WIDTH = 4'

DIGOUT DEPTH (MIN. 3.5')

HMA REPAIR

EXIST. PAVEMENT SECTION THICKNESS VARIES

TACK COAT
SS1H CUT
50-60% WATER
APPLY TO SIDES

(EXIST. AGG: BASE)
COMPACT EXIST. EXPOSED GRADE
TO 95% RELATIVE COMPACTION

TO BE INSTALLED IN 2" MAX LIFTS

PAVED TRAIL
DIGOUT DETAIL

CITY OF UNION CITY
PUBLIC WORKS DEPARTMENT

DATE: 11/1/2012  DRAWN BY: M.R.

APPROVED
CITY ENGINEER

STANDARD DETAILS

PAVED TRAIL
PAVEMENT REPAIR
DETAIL (DIGOUTS)

DRAWING NO. STD 104
NOTES:
1. STEEL PLATES SHALL HAVE A SKID-RESISTANT SURFACE TEXTURE.
2. STEEL PLATES SHALL BE RECESSED AND SET FLUSH WITH ADJACENT PAVEMENT SECTION.
3. WHEN TWO OR MORE PLATES ARE USED, THE PLATES SHALL BE TACK WELDED TOGETHER AT EACH CORNER TO REDUCE OR ELIMINATE VERTICAL MOVEMENT.
4. STEEL PLATES MUST EXTEND A MINIMUM 12-INCHES BEYOND THE EDGES OF THE EXCAVATION.
NOTES

1. NO. 4 BARS AT 4' O.C. REQUIRED IF CURB, GUTTER AND
   DRIVEWAY ARE NOT POURED MONOLITHICALLY(\(L=1'6''\)).
2. CLASS B (5-SACK) CONCRETE MIX
3. CURB, GUTTER AND SIDEWALK TO BE SCORED.
4. LAMINATE SHALL BE OF APPROVED QUALITY MIXED AT
   THE RATE OF 1 LB PER CUBIC YARD OF CONCRETE.
P/L

SAW CUT TO REMOVE SİDÉWALK, C & G
FACE OF CURB
LIP OF GUTTER

14" MIN. (28" MIN. FOR 2-WAY DRIVEWAY)

DEEP SCORE REQUIRED FOR DRIVEWAYS 14" WIDE OR GREATER

5" (TYP.)
DOWELS
SEE NOTE 5
BACK OF CURB

SEE NOTE 3

1-5'
VARIÉS

PLAN
NOT TO SCALE

LIP OF GUTTER
EXPANSION JOINT

45" MAXIMUM (SEE NOTE 6)
TOP OF CURB
6" FLOW LINE
EXPANSION JOINT

ELEVATION
NOT TO SCALE

FACE OF CURB
SEE STD. 208

SIDEWALK

BACK OF WALK

SLOPE 2%

6" PCC DRIVEWAY
OVER 4" MIN. AGG. BASE

6" (TYP.)

4" MIN.

VARIÉS

SECTION
NOT TO SCALE

NOTES
1. DRIVEWAY SHALL BE 6" THICK CLASS B (5 SACK) PORTLAND CEMENT CONCRETE.
2. CURB, GUTTER AND DRIVEWAY SHALL BE Poured MONOLITHICALLY.
3. CURB, GUTTER AND SIDEWALK TO BE SCORED.
4. INSTALL NO. 3 BARS AT 12" O.C. B.W. IN DRIVEWAY. END BAR 3" FROM DEEP SCORE EACH END OF DRIVEWAY.
5. WHEN INSTALLING DRIVEWAY IN EXISTING SIDEWALK, DOWEL NEW TO EXISTING WITH NO. 3 BARS X 12" LONG AT 4" O.C.
6. 45" MAXIMUM DRIVEWAY FOR COMBINED COMMERCIAL AND INDUSTRIAL USE.
7. LAMPBLACK SHALL BE OF APPROVED QUALITY MIXED AT THE RATE OF 1 LB PER CUBIC YARD OF CONCRETE.

CITY OF UNION CITY
PUBLIC WORKS DEPARTMENT
DATE: 11/1/2012 DRAWN BY: M.R.
APPROVED
CITY ENGINEER

STANDARD DETAILS
COMMERCIAL & INDUSTRIAL DRIVEWAY

DRAWING NO. STD - 202
MONOLITHIC SIDEWALK
NOT TO SCALE

SPLIT PATTERN SIDEWALK
NOT TO SCALE

NOTES
1. NO. 4 BARS AT 4' O.C., REQUIRED IF CURB, GUTTER, SIDEWALK AND DRIVEWAY ARE NOT POURED MONOLITHICALLY.
2. CONCRETE SHALL BE CLASS B (5 SACK MIX).
3. COMPACTED CLASS II AGGREGATE BASE.
4. CURB FACE HAS 2:12 BATTER.
5. ALL EXPOSED CURB CORNERS SHALL HAVE 1/2" RADIUS.
6. EDGE OF PAVING SHALL BE 1/4" ABOVE LIP OF GUTTER.
7. LAMPBLACK SHALL BE OF APPROVED QUALITY MIXED AT THE RATE OF 1 LB PER CUBIC YARD OF CONCRETE.
LIP OF GUTTER, RADIUS = 11' 6"

FACE OF CURB, RADIUS = 10' 0"

PARK STRIP

1' - 6"

6"

3"

BACK EDGE OF SIDEWALK RADIUS = 2' - 6"

A

B

1' - 6"

5'

5'

SIDEWALK

SIDEWALK

A WHEN BOTH SIDEWALKS ARE MONOLITHIC, RADIUS = 5'
B WHEN BOTH SIDEWALKS ARE SPLIT PATTERN, RADIUS = 2' - 6"

NOT TO SCALE
DEPARTMENT OF TRANSPORTATION
CURB RAMP DETAILS
PER CURRENT CALTRANS STD. DETAILS
90 DEGREE PARKING

60 DEGREE PARKING

45 DEGREE PARKING

30 DEGREE PARKING

NOTES:
1. PARKING STALL SIZE SHALL BE 9' x 16' MINIMUM.
2. SEE ORDINANCE 341-90.
NOTES:

1. LAMPBLACK SHALL BE OF APPROVED QUALITY MIXED AT THE RATE OF 1 LB PER CUBIC YARD OF CONCRETE.
2. CONCRETE SHALL BE CLASS B (5 SACK MIX).
3. CLASS II AGGREGATE BASE TO 95% RELATIVE COMPACTION (MIN.).
4. CURB FACE HAS 2:12 BATTER.
5. ALL EXPOSED CURB CORNERS SHALL HAVE 1/2" RADIUS.
6. WHERE NEW CONCRETE IS TO BE PLACED AGAINST EXISTING THE TWO SHALL BE DOWELED WITH #3 BARS X 12" LONG AT 4" O.C. MAXIMUM, OR AS DIRECTED BY THE CITY ENGINEER.
7. COMPACT AGGREGATE SUBBASE AND BASE UNDER THE CURB TO 95% RELATIVE DENSITY.

SEE NOTE #3
NOTES:  
(1) AFTER COBBLE IN CONCRETE IS SET, WASH ALL DIRT AND CONCRETE FROM COBBLES AND APPLY 2 COATS OF CLEAR MASONRY SEALER.  
(2) HAND PLACE COBBLES TIGHT AGAINST ONE ANOTHER.  
(3) SMOOTH ROUNDED RIVER COBBLES 4" TO 6" SIZE. SELECTED COBBLES SHALL BE BUFF TO GRAY COLOR WITH NO JAGGED OR SHARP EDGES EXPOSED.

COBBLESTONE TREATMENT DETAIL  
NOT TO SCALE
NOTES: 1. CURB OPENINGS SHALL BE SPACED 15' O.C.
2. 6" WIDE OPENING SHALL BE FLUSH WITH GUTTER FLOW LINE WITHOUT ANY LIP.

CURB OPENING DETAIL
NOT TO SCALE
8" WIDE CURB & GUTTER DETAIL (ADJACENT TO GRASSY SWALE)

NOT TO SCALE
GRASSY SWALE BEHIND SIDEWALK DETAIL
NOT TO SCALE

NOTES:
1. SANDY LOAM SHALL BE 50% CONSTRUCTION SAND,
   20-30% TOPSOIL WITH LESS THAN 5% MAXIMUM CLAY
   CONTENT AND 20-30% ORGANIC LEAF COMPOST WITH
   A MINIMUM PERCOLATION RATE OF 5 INCHES/HOUR.
2. THE 8" PERFORATED SUBDRAIN SHALL BE BACKFILLED WITH
   3/4" WASHED DRAIN ROCK WITH A 2" BED UNDERNEATH AND
   6" COVER. THIS ROCK LAYER SHALL BE WRAPPED IN
   FILTER FABRIC.

GRASSY SWALE BEHIND THE SIDEWALK

SANDY LOAM MATERIAL
SEE NOTE 1

6" PERFORATED SUBDRAIN & 3/4" WASHED DRAIN ROCK WRAPPED IN TC
MIRAFFI FILTERWEAVE 400 FILTER FABRIC. OVERLAP TOP MIN. OF 6" OR EQUIVALENT (SEE NOTE 2).

4" BAR, 12" LONG @ 4' O.C.
THIS REBAR SHALL BE 3" CLEAR OF THE THRU CURB DRAIN
CONSTRUCTION JOINT

SEE LANDSCAPE PLANS FOR SCORGES, JOINTS, COLOR & FINISH

4" CONC

3" SOD 40 PVC THRU CURB DRAIN
2" CLASS 2 AB (COMPACTED 90%)
2" WIDE & 4" THICK 3/4" DRAIN ROCK AT CURB DRAIN

INVERT OF 4" PVC THRU CURB DRAIN SHALL BE PLACED 1/4" BELOW THE FLOW LINE AT GUTTER LINE. 4" PVC SHALL BE PLACE AT A MINIMUM 2% SLOPE THRU THE CURB TOWARDS THE GRASSY SWALE BEHIND THE SIDEWALK.
3" x 3" WYE
FROM ON-SITE CATCH BASIN OR ROOF DRAIN
BACK OF SIDEWALK

CUT PIPE FLUSH WITH CURB FACE ALL AROUND
FLOW LINE

TYPICAL SECTION WITH CURB & GUTTER

SAW CUT AT SCORE MARKS ONLY. (INSTALLATION IN EXISTING SIDEWALK)

REPLACE WITH STANDARD MONOLITHIC CURB, GUTTER AND SIDEWALK

CURB
6"
GUTTER

PLAN
REPLACE ASPHALT CONC. WITH FULL DEPTH OF A.C. SECTION (RETROFIT)

TOP OF CURB
3" I.D. SCHEDULE 40 P.V.C OR APPROVED EQUAL

4" SIDEWALK
FLOW LINE

#4 DOWELS 2'-0" O.C. 2-MIN. REQ'D EACH SIDE (RETROFIT)

3" MIN. CUSHION MATERIAL UNDER SIDEWALK

*ONLY TO BE USED AT THE DISCRETION OF THE CITY ENGINEER

CITY OF UNION CITY
PUBLIC WORKS DEPARTMENT

DATE: 11/1/2012 DRAWN BY: M.C.

APPROVED CITY ENGINEER

STANDARD DETAILS
DRAIN THROUGH CURB DETAIL
DRAWING NO. STD - 213
NOTE: CIDH PILE FOUNDATION PER CALTRANS STD PLANS.

SECTION

P.V.C. CONDUIT
18"R MINIMUM UNDER SIDEWALK
24"R MINIMUM IN PLANTER STRIP
36"R MINIMUM UNDER PAVEMENT
42"R MINIMUM UNDER THOROUGHFARE
CONDUIT SIZE
1" MINIMUM FOR #8 WIRE
1 1/2 " MINIMUM FOR #6 WIRE & LARGER

5/8 " X 10' COPPERSWELD GROUND ROD OR
150' #6 BARE COPPER GROUND WIRE COIL
SECURE TO ELECTROLIER GROUND CLIP.
WIRE COIL COVERED BY 2" OF SOIL PRIOR
TO POURING CONCRETE.

STANDARD DETAILS

ELECTROLIER
BASE

CITY OF UNION CITY
PUBLIC WORKS DEPARTMENT

DATE: 11/1/2012 DRAWN BY: M.R.

APPROVED
CITY ENGINEER

DRAWING NO. STD - 301
INTEGRAL PHOTOELECTRIC CONTROL

INDUCTION OR APPROVED EQUALS BY CITY ENGINEER

TAPERED ARM, ROUND OR ELLIPTICAL GALVANIZED STEEL

GALVANIZED STEEL

30' TO 35'

NOTE:
1. ON STREETS NARROWER THAN 84' WIDE STREET LIGHTS SHALL BE 100 WATT. 30' HIGH.
2. ON STREETS 84' WIDE AND WIDER STREET LIGHTS SHALL BE 150 WATT. 35' HIGH.

4" X 6 1/2" MIN. HAND HOLE WITH COVER

BASE COVER

SEE ELECTROLIER BASE DETAIL STD-301
NOTE:
1. ON STREETS NARROWER THAN 84' WIDE STREET LIGHTS SHALL BE 100 WATT. 30' HIGH.
2. ON STREETS 84' WIDE AND WIDER STREET LIGHTS SHALL BE 150 WATT. 35' HIGH.
NOTE:

ALL STOP SIGNS SHALL BE MADE OF .080 ALUMN. AND SHALL BE SHEETED WITH REFLECTIVE HIGH INTENSITY PRISMATIC MATERIAL.

A 36" x 36" STOP SIGN SHALL BE USED AT ALL STOPS approaching a non signalized multilane intersection and or where the speed limit is 45MPH OR HIGHER.

(24" STOP SIGNS WILL NO LONGER BE USED. 30" STOP SIGNS WILL NOW BE USED FOR ALL OTHER INSTALLATIONS.)

FOR STOP SIGN LOCATIONS, SEE STD-310.

1 3/4" UNISTRUT POST

FINISH GRADE

A 30" POINTED TIP DOUBLE WALLED UNISTRUT ANCHOR THAT FITS WITH THE 1 3/4" POST SHALL BE USED ON INSTALLATIONS

DOUBLE WALL DRIVE ANCHOR (SEE NOTE 1)

NOTE:

1) LOCATION WITH MOIST SOIL REQUIRES 8" DIAMETER CONCRETE FOOTING, 18" DEPTH MINIMUM. DRIVE ANCHOR WILL NEED TO BE WRAPPED WITH SEAL PROOF FABRIC PRIOR TO POURING THE CONCRETE FOOTING.
NOTES:
1) RED LETTERING ON WHITE SURFACE
2) SIGN SHALL CONFORM TO UNION CITY
   STANDARD SPECIFICATIONS - SECTION 11.
3) NOT TO SCALE
4) HIGH INTENSITY PRISMATIC
NO PARKING VEHICLES OVER 20 FEET IN LENGTH

NOTES:
1) RED LETTERING ON WHITE SURFACE
2) SIGN SHALL CONFORM TO UNION CITY STANDARD SPECIFICATIONS - SECTION 11.
3) NOT TO SCALE
43" (MIN.)
67" (MAX.)

40D GALVANIZED NAIL (TYPICAL)

1/2" GROOVE

4" X 4" REDWOOD ROUGH WITH CHOCOLATE BROWN PAINT (TYPICAL)

FINISHED GRADE

12" DIA. FOOTING CLASS B CONCRETE (TYPICAL)

NOTES:
1) STREET NAME SIGNS BLANKS SHALL BE NEW SHEET ALUMINUM ALLOY 6061T, 0.080" THICK, AND SHALL BE ALODINE #1200S TREATED.
2) SIGNS SHALL HAVE RETROFLECTIVITY SHEETING MEETING CALTRANS OR FEDERAL SPECIFICATIONS.
3) SIGNS SHALL HAVE A BLUE-COLORED REFLECTIVE SHEETING WITH WHITE 3M HIGH INTENSITY LETTERS AND SHALL BE IN ACCORDANCE WITH SECTION 11 OF THE CITY OF UNION CITY STANDARD SPECIFICATIONS.
4) LETTERING SHALL BE 6" (UPPER CASE) OR 4.5" (LOWER CASE) IN HEIGHT AND HIGHWAY SERIES "E."

STANDARD DETAILS

ADVANCE STREET NAME SIGN

CITY OF UNION CITY
PUBLIC WORKS DEPARTMENT

DATE: 11/1/2012  DRAWN BY: M.R.

APPROVED
CITY ENGINEER

DRAWING NO. STD - 508
PRE-CAST BARREL SECTION
*ADD ADDITIONAL SECTIONS AS NEEDED

CAST IN-PLACE CONSTRUCTION

12" 12"

3'

4" MIN.

4"

SINGLE PRE-CAST CONCENTRIC REDUCED

11" (MAX) PRECAST ADJUSTMENT RINGS

DRAIN ROCK MAY BE REQUIRED DUE TO SOIL CONDITIONS

5' 4"

5' 4"
NOTE:
FOR HYDRANT SET GREATER THAN 30° FROM FACE OF CURB, A 6' WIDE SIDEWALK SHALL BE INSTALLED IN PLANTER AREA AROUND FIRE HYDRANT.

PAINT COLOR:
Kelly-Moore - Kel-Guard Enamel
"Sunburst/Safety Yellow" No. 1700-63
OR
Sherwin Williams - Metalatex "Safety Yellow"
No. B42Y37
NOTE:

B
1) CURB OPENING IRON: 3 1/2" x 3 1/2" x 1/2"
2) WEEP HOLE IS TO BE LOCATED AT SUBGRADE ELEVATION
3) DIMENSIONS OF REBAR IS FOR Poured IN PLACE CONCRETE

SECTION A-A

SECTION B-B

STANDARD DETAILS

STORM WATER INLET

DATE: 11/1/2012 DRAWN BY: M.C.

APPROVED

CITY ENGINEER
NOTES:
1. a. WHERE INSTALLING NEW PAD BEHIND EXISTING SIDEWALK, DOWEL NEW TO EXISTING WITH #3 X 12" BARS.
   b. WHERE INSTALLING NEW Curb, AND NEW PAD, SIDEWALK, CURB, GUTTER AND PAD WILL BE POURED MONOLITHICALLY.
2. a. WHERE PROPERTY LINE IS 10' BEHIND FACE OF CURB, PAD WIDTH IS FROM BACK OF WALK TO PROPERTY LINE.
   b. WHERE PROPERTY LINE IS GREATER THAN 10' FROM F.C., PAD WIDTH IS 74 3/4' FROM BACK OF WALK.
   c. WHERE SIDEWALK IS SPLIT PATTERN TYPE, PAD WIDTH IS FROM BACK OF WALK TO P.L. AND SIDEWALK WILL BE EXTENDED FROM BACK OF CURB TO EXISTING S.W. AND DOWELED AS IN NOTE #1 TO S/W AND CURB.
NOTES:

1. MONUMENT FRAMES AND COVERS SHALL BE: CHRISTY G5, 11" DIA.

2. COVERS SHALL BE GROUND OR OTHERWISE FINISHED SO THAT IT WILL FIT IN FRAME WITHOUT ROCKING.

3. TRENCHING AREA WITH MORE THAN 50 SQ. FT. REQUIRES A COMPACTION TEST CERTIFICATION SUBMITTED FOR CITY APPROVAL.
SECTION

4" SANITARY SEWER LATERALS TO EXTEND 3 FEET BEYOND PROPERTY LINE.

12" MIN.
MIN. SLOPE 1/4":1' (2%)

12" MIN.
GAS, TELEPHONE, AND CABLE TV CONDUITS
ELECTRICAL CONDUITS

PVC WATER MAINS SHALL HAVE 1 1/2" SERVICE SADDLES W/ 1 1/2" CORPORATION STOPS ON 1 1/2" METER

PLAN

SANITARY SEWER LATERAL

5' MIN.
WATER SERVICE

SIDEWALK
GUTTER
FACE OF CURB

NOTE:
FOR ALL NEW TRENCHES.
EXISTING TRENCHES TO BE VERIFIED IN FIELD.
NOTES:

1. BEDDING AND BACKFILL MATERIAL SHALL EQUAL OR EXCEED THAT SPECIFIED IN UNION CITY STANDARD SPECIFICATION NO. 17.

2. COMPACTION SHALL BE IN ACCORDANCE WITH UNION CITY STANDARD SPECIFICATION NO. 17.

3. COMPACTION TESTING MUST BE PERFORMED IF REQUESTED BY CITY REGARDLESS OF TRENCH AREA.

4. TRENCHING AREA WITH MORE THAN 50 SQ. FT. REQUIRE A COMPACTION TEST CERTIFICATION SUBMITTED FOR CITY APPROVAL.
9" .080 ALUMINUM SINGLE BLADE DOUBLE FACED STREET NAME SIGN SHEETED IN H.I.P MATERIAL. SIGNS LENGTH WILL BE DETERMINED BY THE NAME PLACED ON THE SIGN. LETTERS ON SIGN WILL CONSIST OF BOTH UPPER CASE AND LOWER CASE LETTERS

1 3/4" UNISTRUT POST

FINISH GRADE

A 30° POINTED TIP DOUBLE WALLED UNISTRUT ANCHOR THAT FITS WITH THE 1 3/4" POST SHALL BE USED ON INSTALLATIONS

10' - 6"

90° HEAVY DUTY ALUMINUM CROSSPIECE

SQUARE TUBING CAP TO FIT 1 3/4 O.D. SQUARE TUBE

ALLEN HEAD SET SCREW

ALLEN HEAD SET SCREW

STREET NAME SIGNS

DRAWING NO. STD - 604
NOTES:

1. PATHWAY MATERIAL AND SHOULDERS SHALL BE COMPACTED TO 95% RELATIVE DENSITY.

2. TREES AND SHRUBS SHALL NOT BE PLANTED CLOSER THAN 5 FEET TO A PATHWAY. GROUND COVER MAY NOT BE PLANTED CLOSER THAN 3 FEET FROM A PATHWAY.

3. PATHWAY AND SHOULDER CROSS SLOPES SHALL DRAIN TOWARD OR AWAY FROM THE ADJACENT ROAD AS APPROVED BY THE CITY ENGINEER.

4. UTILITY BOXES, SERVICE METERS, MANHOLES, FIRE HYDRANTS AND ALL OTHER OBSTRUCTIONS SHALL NOT BE ALLOWED WITHIN THE PATHWAY. PATHWAYS MAY MEANDER AROUND EXISTING UTILITY POLES, FIRE HYDRANTS AND MAIL BOXES WHERE FEASIBLE.

5. HEADER BOARDS MAY BE OMITTED ON THE SIDE OF THE PATHWAY IMMEDIATELY ADJACENT TO BERM AND CURBS.

6. DRAWING NOT TO SCALE.