Town of Islip

Construction Standards

October 6, 2009

Revision to Appendix C of the Subdivision and Land Development Regulations
CONCRETE CURB DETAIL

NOTES:

1. ALL CONCRETE TO BE 4000 PSI AIR ENTRAINED.

2. FOR LOCATION OF CURB FROM PROPERTY LINE, SEE STANDARD ROAD SECTION.

3. STEEL FORMS OR EQUAL SHALL BE USED.

4. EXPANSION JOINTS 1/2" THICK 20' O.C. SHALL BE USED.

5. ALL CONCRETE SHALL BE TAMMED IN PLACE, NO HONEYCOMB WILL BE ALLOWED. FINISH SHALL BE SMOOTH AND EVEN – RUBBED WITH A WOOD FLOAT.

6. ALL EDGES SHALL BE TOOL ROUNDED.

7. CYLINDER TESTING AS REQUIRED PER TOWN ENGINEER.

8. ALL EXPANSION JOINTS SHALL BE PRE-CUT TO CURB PROFILE PRIOR TO INSTALLATION.

9. ALL CONCRETE CURBS SHALL UTILIZE A #5 REBAR

CONSTRUCTION STANDARDS
CONCRETE CURB
ITEM 97

Town of Islip
Department of Planning and Development

Updated October 6, 2009
1. CONCRETE TO BE 1:1 1/2:3 MIX, 3" SLUMP, ALL AGGREGATE PASSING 3/4" SIEVE.
2. TYPICAL BELGIAN BLOCK TO BE 4"X6"X11" WITH COMPRESSION STRENGTH OF 3,000 PSI MINIMUM.
3. FOR DROP CURB LAYOUT SEE STANDARD SPEC.
4. MORTAR MIX TO BE 1:2, ALL JOINTS.
5. IF USED IN A PUBLIC R.O.W. A HOLD HARMLESS AGREEMENT IS REQUIRED FROM THE TOWN OF ISLIP DEPT. OF PUBLIC WORKS.
CONSTRUCTION STANDARDS

ALTERNATE WALK DETAILS

Updated October 6, 2009
CONCRETE SIDEWALK
ITEM 105
N. T. S.

ALL CONCRETE SHALL BE AIR ENTRAINED, 4000 PSI CYLINDER TESTING AS REQUIRED PER TOWN ENGINEER.

ALL SIDEWALKS PLACED WITHIN MUNICIPAL ROW SHALL BE 5’ MIN. WIDTH.

CONSTRUCTION STANDARDS

CONCRETE SIDEWALK
ITEM 105

Town of Islip
Department of Planning and Development

Updated October 6, 2009
1. ALL CONCRETE TO BE 4000 P.S.I.
2. FOR LOCATION OF CURB FROM PL SEE STD. RD. SEC.
3. STEEL FORMS OR EQUAL SHALL BE USED.
4. EXPANSION JOINTS 1/2" THICK 20' O.C. SHALL BE USED. EXPANSION JOINT IN SIDEWALK SHALL ALIGN WITH EXPANSION JOINT IN CURB.
5. ALL CONCRETE SHALL BE TAMPED IN PLACE. NO HONEYCOMB WILL BE ALLOWED. FINISH SHALL BE SMOOTH AND EVEN RUBBED WITH A WOOD FLOAT.
6. ALL EDGES SHALL BE TOOL ROUNDED.
7. CERTIFICATION REQUIRED FROM MANUFACTURER OF RECYCLED CONCRETE.
8. TRUCK TRAVELED AREAS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE INDUSTRIAL ROAD SPECIFICATION.
9. CYLINDER TESTING AS REQUIRED PER TOWN ENGINEER.
10. EXPANSION JOINTS IN CURBS SHALL ALIGN WITH SIDEWALK EXPANSION JOINTS.
11. ALL THICKNESS STATED ARE MINIMUM THICKNESS.
12. FIELD COMPACTION OF ASPHALT SHALL BE 95% OF DESIGN DENSITY A LABORATORY SPECIMEN MADE IN THE PROPORTIONS OF THE JOB MIX FORMULA FOR EACH CLASS MIX COMPACTED BY 75 BLOWS ON EACH FACE OF A 2 1/2" THICK SPECIMEN BY A STANDARD MARSHALL HAMMER SHALL BE AS THE STANDARD FOR DENSITY COMPARISON.

CONSTRUCTION STANDARDS

INDUSTRIAL ROAD
PARKING FIELD

Town of Islip
Department of Planning and Development

Updated October 6, 2009
GENERAL NOTES:
1. ALL ROAD SECTIONS SHALL BE SYMMETRICAL ABOUT CENTER LINE.
2. ALL POLES, HYDRANTS, ETC. SHALL NOT BE PLACED WITHIN THE SEEDED SIDEWALK AREA. THE FACES OF SUCH POLES, HYDRANTS, ETC. SHALL NOT BE MORE THAN 1'-6" FROM THE EDGE OF THE TRAVELWAY OR FACE OF CURB.
3. ENCROACHMENTS INTO SIDEWALK WILL BE PERMITTED TO ACCOMODATE MAINTAINING 1'-6" CLEARANCE FROM EDGE OF CURB.
4. ALL UTILITIES SHALL BE INSTALLED PRIOR TO CONSTRUCTION OF SUB-BASE.
5. ROAD SECTIONS FOR WIDTHS OTHER THAN THOSE SHOWN, OR FOR SPECIAL TOPOGRAPHICAL CONDITIONS, ARE TO BE SPECIALLY APPROVED.
6. THE CROSS SECTION SHALL BE AS SHOWN ON THIS SHEET OF TYPICAL ROAD SECTIONS.
7. THEY SHALL BE PROPERLY SURFACED FOR THE FULL WIDTH OF THE TRAVEL WAY. ± 1/8".
8. THEY SHALL BE PROPERLY GRADED IN ACCORDANCE WITH THE APPROVED PROFILE. ± 1/8".
9. CONCRETE CURBS SHALL BE REQUIRED ON ALL STREETS.
10. ALL MATERIALS SHALL CONFORM TO THE SPECIFICATIONS FOR THE ITEM SHOWN.
11. FIELD COMPACTED OF ASPHALT SHALL BE 95% OF DESIGN DENSITY A LABORATORY SPECIMEN MADE IN THE PROPORTIONS OF THE JOB MIX FORMULA FOR EACH CLASS MIX COMPACTED BY 75 BLOWS ON EACH FACE OF A 2 1/2" THICK SPECIMEN BY A STANDARD MARSHALL HAMMER SHALL BE AS THE STANDARD FOR DENSITY COMPARISON.
12. ASPHALT SURFACE SHALL HAVE A COMPRESSIVE STRENGTH OF 100 P.S.I.
14. MINIMUM TRENCH WIDTH IS TO BE 24" TO ENSURE PROPER COMPACTION.
15. ALL EDGES OF PAVEMENT ARE TO BE SAW-CUT.

CONSTRUCTION STANDARDS
ROAD SECTION AND PAVEMENT RESTORATION

Town of Islip
Department of Planning and Development

Updated October 6, 2009
NOTE:
CUL-DE-SAC PLANTING PLAN TO BE SUBMITTED AS PART OF APPLICATION
- BRICK PAVERS, COBBLESTONE, OR STAMPED CONCRETE MAY BE
SUBSTITUTED PARTIALLY AS PLANTING ALTERNATE.
NOTE:
1. FOR COMMERCIAL USE MINIMUM WIDTH SHALL BE 30' AT PROPERTY LINE CURB RETURN.
2. MAXIMUM WIDTH FOR A DOUBLE WIDTH DRIVEWAY APRON TO BE 18' PLUS 18" SPLAY FOR A TOTAL OF 21'

CONCRETE DRIVE APRON – ITEM 47AP
N.T.S.

CONSTRUCTION STANDARDS
CONCRETE APRON
ITEM 47AP
*RESIDENTIAL USE ONLY
MAXIMUM WIDTH FOR A DOUBLE WIDTH DRIVEWAY APRON TO BE 18' PLUS 18" SPLAY FOR A TOTAL OF 21'

NO CURB

CURB
SECTION A—A

CONSTRUCTION STANDARDS
RESIDENTIAL ASPHALT APRON
ITEM 51D
1. Concrete to be 14 1/2:3 mix, 3" slump, all aggregate passing 3/4" sieve.
2. Typical Belgian block to be 4"x6"x12" with compressive strength of 3,000 psi minimum.
3. For drop curb layout see standard spec.
4. Mortar mix to be 1:1:4, all joints.
5. If used in a public right of way, a hold harmless agreement is required from the town of Islip Dept. of Public Works.

**Residential Apron**

**Industrial Apron**

**Construction Standards**

Cobblestone Curb/Concrete Curb at Apron

Town of Islip
Department of Planning and Development

Updated October 6, 2009
CONSTRUCTION STANDARDS

BELGIAN BLOCK APRON
ITEM 47AP-BB
*RESIDENTIAL USE ONLY

IF USED IN A PUBLIC R.O.W. A HOLD HARMLESS AGREEMENT IS REQUIRED FROM THE TOWN OF ISLIP DEPT. OF PUBLIC WORKS.

Updated October 6, 2009
NOTES:
1. CURB CUT RAMP TYPE AND LOCATION ARE TO BE AS SHOWN.
2. SURFACE TEXTURE OF RAMP SHALL BE DEEP GROVE, 3/8" WIDE BY 3/16" DEEP, 1" CENTERS TRANSVERSE TO THE RAMP.
3. THE NORMAL PAVEMENT EDGE PROFILE SHALL BE MAINTAINED THROUGH THE AREA OF THE RAMP.
4. WHEN THE INTERSECTION CONTAINS PEDESTRIAN ACTIVATED SIGNALS, MAKE PROVISIONS FOR A PERSON IN A WHEELCHAIR TO ACTIVATE SIGNAL WITHOUT STOPPING ON RAMP.
5. STOP LINES ARE TO BE PROVIDED IN ADVANCE OF WHEELCHAIR RAMPS.
6. WHERE FEASIBLE, PROVIDE FOR DRAINAGE PICK-UPS IMMEDIATELY UPSTREAM FROM THE RAMP. RETICULINE OR RECTANGULAR GRATES ARE TO BE USED IN THE AREA OF RAMPS.
7. MONOLITHIC CURB AND RAMP TO BE PROVIDED P.C. TO P.T.
8. TACTILE WARNINGS REQUIRED AT ALL DISABILITY CURB CUTS.
CONSTRUCTION STANDARDS

CURB RETURN
PARKING FIELD ENTRANCE

Town of Islip
Department of Planning and Development

Updated October 6, 2009

NOTES:
1. PARKING LOT CURB TO BE 8' OFF PROPERTY LINE
2. MOVE TREES 5' BEHIND PROPERTY LINE

NOTE:
FOR DETAILS ON RAMP, PLEASE SEE
CONSTRUCTION STANDARD No.11
SIDEWALK RAMP DETAIL
CATCH BASIN – ITEM 102 CB

NOTE A:
CURB INLET
RICHARDS FOUNDRY TYPE K1022
CAMPBELL FOUNDRY TYPES 2501 OR 2511
FLOCKHART FOUNDRY TYPE 624–61455

NOTE:
CURB ELEV.
B.C. ELEV.

2 COURSE MIN.
4 COURSE MAX.

TOP SLAB
SEE PRECAST CONCRETE STRUCTURE NOTES.

6” CONC FLOOR OR FOOTING
SLAB W/ 18”x18” OPENING

SECTION A–A
ALTERNATE

SECTION A–A

PLAN
CATCH BASIN
(WITH FLUSH CASTING)
ITEM 102 CB
FLOCKHART FOUNDRY TYPE–3260
CAMPBELL FOUNDRY TYPES–3403 & 3413

NOTE:
ALL CONCRETE TO BE 4000 P.S.I.

CONSTRUCTION STANDARDS
CATCH BASIN
ITEM 102 CB &
ITEM 102 CB MODIFIED

Town of Islip
Department of Planning and Development

Updated October 6, 2009
CATCH BASIN DETAIL – TYPE C
ITEM 102 CB
N.T.S.

SECTION A-A

CAST IRON FRAME

FRAME 4'-2"

USE TYPE A GRATE AS SHOWN OR AS ORDERED

3/4" BOLTS EACH END

1" X 2" SLOTS IN END OF CURB

1" X 1" X 7" STEEL ANCHOR

3/8" X 1" X 2 5/16" STEEL FILLER PLATE

1/4" X 1/16" - W X W - W X W

1/4" X 1" X 7" STEEL ANCHOR

CONSTRUCTION STANDARDS

CATCH BASIN TYPE C,
CURB FRAME AND
GRATE DETAIL

NOTE:
DIMENSIONS MAY VARY SLIGHTLY
ACCORDING TO MANUFACTURER

Town of Islip
Department of Planning and Development

Updated October 6, 2009
CONSTRUCTION STANDARDS
LEACHING BASIN
ITEM 100-B

NEW CURB CONSTRUCTION DETAIL
WHERE L.B. 100-B IS INSTALLED IN
AREA WITHOUT EXIST. CONC. CURB

1. MINIMUM OF 10' BETWEEN POOLS.
2. RECTANGULAR OPENING TO MATCH SIZE OF CASTING.

NOTE A:
CURB INLET—
RICHARDS FOUNDRY TYPE K1022
CAMPBELL FOUNDRY TYPES 2501 OR 2511
FLOCKHART FOUNDRY TYPE 624—61455

UNDERLYING SAND AND GRAVEL STRATA

10'-0"  4'-0"  10'-0"

CONC. CURB

Town of Islip
Department of Planning and Development
CONSTRUCTION STANDARDS

STORM DRAINAGE
MANHOLE
ITEM 102-MH

ITEM 102 MH A OR B

Town of Islip
Department of Planning and Development
NOTE:
1. CONCRETE TO BE 4,000 PSI @ 28 DAYS.
2. STANDARD TYPE "B" CATCH BASIN MAY BE SUBSTITUTED WHEN MODIFIED AND APPROVED BY THE TOWN ENGINEER.
3. PIPE SHALL BE CUT SMOOTH WITH INSIDE FACE AND MORTARED FLUSH.
4. CYLINDER TESTING REQUIRED AS PER P.E.

PLAN VIEW
COVER REMOVED

WEIR SET AT HIGH WATER ELEVATION

SIDE ELEVATION

WATER TIGHT JOINT OR MONOLITHIC POUR

SECTION A-A

CONSTRUCTION STANDARDS

OVERFLOW CHAMBER
ITEM 102-OC

Town of Islip
Department of Planning and Development

Updated October 6, 2009
NOTES
1. CLASS I, II, III OR IV COMPACTED BACKFILL MATERIAL REQUIRED IN ALL PIPE ZONES, PER USCS (UNIFIED SOIL CLASSIFICATION SYSTEM).

2. IF DEPTH OF TRENCH EXCEEDS 5', THE CONTRACTOR MUST PROVIDE SHEETING AND BRACING OR A SHEETING BOX IN ACCORDANCE WITH OSHA REGULATIONS. AS AN ALTERNATIVE, IF PERMITTED BY THE ENGINEER, THE TRENCH WALLS MAY BE CUT BACK TO A 1:1 SLOPE OR THE NATURAL ANGLE OF REPOSE FOR THE SOIL, WHICHER IS GREATER.

3. WHERE PIPE IS INSTALLED WITH LESS THAN 2' OF COVER, ALL BACKFILL MATERIAL THROUGHOUT THE PIPE ZONE IS TO BE CLASS I MATERIAL.

PIECE TRENCH DETAIL
N.T.S.

NOTES
1. CLASS I, II, III OR IV COMPACTED BACKFILL MATERIAL REQUIRED IN ALL PIPE ZONES, PER USCS (UNIFIED SOIL CLASSIFICATION SYSTEM).

2. IF DEPTH OF TRENCH EXCEEDS 5', THE CONTRACTOR MUST PROVIDE SHEETING AND BRACING OR A SHEETING BOX IN ACCORDANCE WITH OSHA REGULATIONS. AS AN ALTERNATIVE, IF PERMITTED BY THE ENGINEER, THE TRENCH WALLS MAY BE CUT BACK TO A 1:1 SLOPE OR THE NATURAL ANGLE OF REPOSE FOR THE SOIL, WHICHER IS GREATER.
CONSTRUCTION STANDARDS

RECHARGE BASIN

6' BLACK VINYL COATED CHAIN LINK FENCE (ITEM 106)

SCREEN PLANTING (ITEM 124)

5' CONCRETE SIDEWALK

1 ON 3 SLOPE

R=20

8' 10'

6' 8'

25'

25'

12'-120' MAX. SLOPE

4" ITEM 201

5' CONCRETE SIDEWALK

5' CONCRETE SIDEWALK

ACCESS ROAD TO BE PLANTED AND PAVED IN USE.

19'-20' MAX.

4'-TIPPER TO 3'-TIPPER

SECTION A-A

GROUNDS WATER 8' MAX.

6'-HIGH BLACK VINYL C.L.F. (8 GAUGE)

SUMP TO BE DUG OUT OF VIRGIN SOIL NOT TO BE BACKFILLED

Town of Islip
Department of Planning and Development

Updated October 6, 2009
CONSTRUCTION STANDARDS

DRAINAGE OUTFALL STRUCTURE

1. ALL CONCRETE TO BE 4,000 P.S.I.
2. TO BE CONSTRUCTED MONOLITHICALLY EXCEPT AS NOTED (#3)
3. WHEN SIDES ARE NOT POUR AT SAME TIME AS BOTTOM, USE #5 DEFORMED REINFORCING BARS 12" O.C. AS SHOWN IN SECTION B-B
4. CYLINDER TESTING AS REQUIRED PER TOWN ENGINEER

Updated October 6, 2009
1. CONCRETE TO BE 4000 P.S.I. AT 28 DAYS.
2. REINFORCE WITH ROAD MESH, #6 6"X6"
3. MAXIMUM Q = 5 cfs.
4. REQUIRED ON ALL RECHARGE BASINS.
5. OVERFLOW MAY BE INCORPORATED INTO SLUICE. WHEN APPROVED BY THE TOWN ENGINEER.
6. SUBGRADE SHALL BE COMPACTED TO 95% MAX. DENSITY.
7. ONLY MONOLITHIC POUR WILL BE PERMITTED.
8. MAXIMUM CONTRIBUTING AREA = 6 ACRES.
9. CYLINDER TESTING AS REQUIRED PER TOWN ENGINEER
NOTES

1. ALL CONCRETE TO BE MIN. OF 4,000 #/PSI
   AT 28 DAYS, MONOLITHIC POUR, RUBBED WITH
   WITH WOOD TROWEL TO A SMOOTH FINISH.
2. SUBGRADE TO BE A SUITABLE
   DRAINAGE MATERIAL.
3. CYLINDER TESTING AS REQUIRED PER TOWN ENGINEER
CONSTRUCTION STANDARDS
SPECIAL DRAINAGE STRUCTURES
ITEM 251

SECTION A–A
1. A GATE WITH 16'-0" (CLEAR) OPENING SHALL BE USED FOR ACCESS.
2. ALL CONCRETE TO BE 4,000 P.S.I. 28 DAYS.
3. DETAILS OF FENCE GATE AND NAME OF MANUFACTURER SHALL BE SUPPLIED TO TOWN ENGINEER ALONG WITH SAMPLE FOR TESTING BEFORE CONSTRUCTION OF FENCE BEGINS.
4. HARDWARE TO BE BLACK VINYL COATED.
5. CYLINDER TESTING AS REQUIRED PER TOWN ENGINEER

CONSTRUCTION STANDARDS

ITEM 106
FENCE & CURB AT RECHARGE BASIN

Town of Islip
Department of Planning and Development

Updated October 6, 2009
CHAIN LINK FENCE GATE
ITEM 106 G

FENCE HARDWARE TO BE SCHEDULE 40 BLACK VINYL.

NOTES:
GATE POSTS – 4"O.D. 9.10 LBS PER LF.
GATE FRAMES – 2" OD 2.72 LBS PER LF. ALSO MID RAIL.
ALL JOINTS TO BE WELDED OR FITTED WITH MALLEABLE IRON CASTINGS.
HINGES & LOCKING HARDWARE TO BE SATISFACTORY TO TOWN ENGINEER.
SCHEDULE 40 HARDWARE
No. 9 GA. GALVANIZED WIRE
BLACK VINYL CLAD
TYPICAL CHAIN LINK FENCE
N.T.S.

NOTE:
1. ALL FENCE FABRIC, POSTS, RAILS, BRACES, FITTINGS, ETC. SHALL BE PVC COATED IN ACCORDANCE WITH THE TOWN OF ISLIP STANDARD SPECIFICATIONS.
2. ALL FENCE FABRIC SHALL BE 9 GA. GALVANIZED WIRE. POSTS AND HARDWARE SHALL BE SCHEDULE 40.
3. ALL CONCRETE TO BE 4,000 PSI.
TYPICAL CHAIN LINK FENCE WITH STOCKADE ATTACHED

N.T.S.

NOTE:
1. STOCKADE FENCE TO BE NO. 1 WHITE MILLED CEDAR STOCKADE, 5/8" THICK PICKETS, OR HIGHER GRADE
2. ALL FENCE FABRIC SHALL BE 9 GA. GALVANIZED WIRE. POSTS AND HARDWARE SHALL BE SCHEDULE 40.
3. ALL CONCRETE TO BE 4,000 PSI.
4. STOCKADES FINISHED SIDE TO FACE RESIDENCE.
1. SHADEMASTER LOCUST (GLEDITSIA TRICANTHOS SHADEMASTER)
2. SWEETGUM (LIQUIDAMBAR STYRACIFLUA)
3. LONDON PLANE (PLATANUS ACERFOLIA)
4. PIN OAK (QUERCUS PALUSTRIS)
5. NORTHERN RED OAK (QUERCUS RUBRA)
6. AMERICAN ELM (ULMUS AMERICANA)
7. LITTLE LEAF–LINDEN (TILIA CORDATA)
8. SILVER LINDEN (TILIA TOMENTOSA)
9. RED OAK (QUERCUS BOREALIS)
10. CALLERY PEAR (PYRUS CALLERYANA)
11. NYSSA SYLVATICA (SOUR GUM)
12. FRAXINUS PENNSYLVANIAN (ASH)
CONSTRUCTION STANDARDS

PLANTING DETAIL

NOTE:
EVERGREENS SHALL HAVE THE
SAME PIT AND BALL REQUIREMENTS
AS MINOR TREES NO STAKING
REQUIRED

Updated October 6, 2009
DECIDUOUS TREES, 2 1/2" CAL., 20' O.C. RED OAK, PIN OAK, POST OAK, MAPLE VARIETIES, LITTLE LEAF LINDENS, LONDON PLANE TREES, ARISTOCRAT AND BRADFORD PEARS, THORNLESS HONEY LOCUST ETC. SUBSTITUTIONS AND ALTERNATES MAY BE ACCEPTED

6' CHAIN LINK FENCE W/ No. 1 CEDAR STOCKADE ATTACHED, 106W / 107

DOUBLE ROW OF 6' EVERGREENS, PLACED IN A SAWTOOTHEP PATTERN, 5'-7' SPACING. MIX OF; ARBORVITAE, JUNIPERS, LEYLAND CYPRESS, DOUGLAS FIR, HOLLY, SPRUCE, WHITE PINES ETC. SUBSTITUTIONS AND ALTERNATES MAY BE ACCEPTED FOR REVIEW AND APPROVAL.
PLANT MATERIAL
1 - PINUS STROBUS – WHITE PINE, 6’-7’
2 - TSUGA CANADENSIS – HEMLOCK, 4’-5’
3 - THUJA OCCIDENTALIS NIGRA – DARK AMERICAN ARBOVITAE, 6’-7’

PLANT SUBSTITUTIONS MAY BE MADE FROM EACH HEIGHT CATEGORY FOR EVERGREENS LISTED IN THE SPECIFICATIONS.

ITEM 124-II
RECHARGE BASIN ADJACENT TO PRIVATE PROPERTY

RECHARGE BASIN SCREEN PLANTING
ITEM 124-II

CONSTRUCTION STANDARDS

Town of Islip
Department of Planning and Development

Updated October 6, 2009
PRIVATE ROADS
(BUILDERS NAME)
RESPONSIBLE FOR MAINTENANCE

INCLUDING
SNOW & DEBRIS REMOVAL, ROAD REPAIR AND FLOODING

BUILDERS PH: (PHONE NO.)

NOTES:
1. SIGNS TO BE 3/8" EXTERIOR PLYWOOD.
2. FINISHED WITH TWO (2) COATS OF WHITE EXTERIOR PAINT.
3. LETTERING TO BE IN BLACK WITH 1/4" BRUSH STROKE.
4. SIGN SHALL BE LOCATED IN A CONSPICUOUS LOCATION NEAR THE MAIN ENTRANCE TO THE DEVELOPMENT.
5. LOCATION, CONSTRUCTION, AND LETTERING OF SIGN SUBJECT TO ENGINEERING DEPT. APPROVAL.
6. SIGN SHALL REMAIN PROMINENTLY DISPLAYED THROUGHOUT CONSTRUCTION AND UNTIL DEDICATION.
LOW HEIGHT BULKHEAD FOR INLAND WATERWAYS

N.T.S.
SEE ALSO TYPICAL DETAILS AND SPECIFICATIONS

* STEEL/COMPOSITE SHEETING PILING
* VINYL MAY BE SUBSTITUTED FOR TREATED TIMBER AS PER TOWN ENGINEER

CONSTRUCTION STANDARDS

LOW HEIGHT BULKHEAD

Town of Islip
Department of Planning and Development

Updated October 6, 2009
MEDIUM HEIGHT BULKHEAD FOR INLAND WATERWAYS

SEE ALSO TYPICAL DETAILS AND SPECIFICATIONS

* STEEL COMPOSITE SHEET PILING
* VINYL MAY BE SUBSTITUTED FOR TREATED TIMBER AS PER TOWN ENGINEER

CONSTRUCTION STANDARDS

MEDIUM HEIGHT BULKHEAD

Town of Islip
Department of Planning and Development

Updated October 6, 2009
SCARF JOINT DETAIL

TIE ROD

WALE OR CAP

GROUND ELEVATION VARIES SEE PLAN AND SECTIONS

*STEEL/COMPOSITE SHEET PILING
*VINYL MAY BE SUBSTITUTED FOR TREATED TIMBER AS PER TOWN ENGINEER

BULKHEAD ELEVATION

NOTES:
1. ALL WOOD AND TIMBER PRODUCTS TO CONFORM WITH CURRENT NYSDEC ALLOWABLE MATERIALS TO BE SUBMITTED WITH PLANS FOR REVIEW
2. ALL SPIKES, TIE RODS, TURNBUCKLES, BOLTS WASHERS OR OTHER HARDWARE TO BE HOT DIPPED GALVANIZED.
3. BULKHEADS EVERY 10' HIGH ABOVE BAY BOTTOM, OR THOSE SERVING SPECIAL CONDITIONS SHALL BE SPECIFICALLY DESIGNED FOR EACH CONDITION.
4. DECKING FOR BULKHEADS AND PIERS TO BE 2" X 4" - 54S VERTICAL GRAIN WITH 3/8" JOINTS BETWEEN, AND SUPPORTED EVERY 4'-0" BY WOOD SLEEPERS. SLEEPERS TO BE STAKED DOWN EVERY 8'-0" WITH 2" X 4" STAKES 6'-0" LONG.
NOTES:
1. ALL WOOD AND TIMBER PRODUCTS TO CONFORM WITH CURRENT NYSDEC ALLOWABLE MATERIALS SPECIFICATIONS TO BE SUBMITTED WITH PLANS FOR REVIEW.
2. ALL SPIKES, TIE RODS, TURNBUCKLES, BOLTS WASHERS OR OTHER HARDWARE TO BE HOT DIPPED GALVANIZED.
3. BULKHEADS OVER 10' HIGH ABOVE BAY BOTTOM, OR THOSE SERVING SPECIAL CONDITIONS SHALL BE SPECIFICALLY DESIGNED FOR EACH CONDITION.
4. DECKING FOR BULKHEADS AND PIERS TO BE 2” X 4” - S4S VERTICAL GRAIN WITH 3/8” JOINTS BETWEEN, AND SUPPORTED EVERY 4’-0” BY WOOD SLEEPERS. SLEEPERS TO BE STAKED DOWN EVERY 8’-0” WITH 2” X 4” STAKES 6’-0” LONG.

* VINYL MAY BE SUBSTITUTED FOR TREATED TIMBER AS PER TOWN ENGINEER
TYPICAL SECTION
50’ R.O.W.
N.T.S.
LOCATION OF UTILITIES

CONSTRUCTION STANDARDS
LOCATION OF UTILITIES IN R.O.W.

Updated October 6, 2009
MONUMENTS TO BE PLACED: AT EACH CHANGE OF DIRECTION OF A STREET; TWO (2) AT EACH INTERSECTION; AT EACH CORNER OR CHANGE OF DIRECTION OF PARCELS TO BE DEDICATED TO THE TOWN OR HOMEOWNERS ASSOCIATION AT EACH CORNER OR CHANGE IN DIRECTION OF SUBDIVISION BOUNDARY LINE.

CONSTRUCTION STANDARDS
PERMANENT
SURVEY MARKER
(SEE APPROVED LANDSCAPING PLAN FOR TREE SPECIES)

3" MULCH LAYER

38 JUNIPERS
(SEE APPROVED LANDSCAPING PLAN FOR SHRUB SPECIES)

TYPICAL CURBED ISLAND

PAINTED STALL LINE

TYPICAL PLANTED ISLAND

N.T.S.
1. Bond riser conduit with No. 6 S.D. bare tinned copper, where it terminates in pull box to outgoing metallic duct and to neutral in pull box if metallic duct is not used. Omit bond for this duct. Conduit shall be bonded to neadiest in box.
2. Submersible type fuse assembly shall be elastimold division connector kit catalogue No. 64-A6-A6 with midget size cartridge fuse bus-Limitron catalogue No. KTK (or equal) sized to load.
SUBMERSIBLE TYPE ASSEMBLY SHALL BE ELASTIMOLD DIVISION CONNECTOR KIT CATALOG No. 64-A6-A6 WITH MIDGET SIZE CARTRIDGE FUSE BUSS-LIMITRON CATALOG No. KTK (OR EQUAL) SIZED TO LOAD.

MINIMUM 1 x 1 PULL BOX SPLICES AND CONNECTIONS BY LIPA
(SEE NOTE)

CABLE & OR CONDUIT BY LIPA

CONDUIT & OR CABLE IN ACCORDANCE WITH NEC
LATEST REVISIONS

STREET LIGHT FOUNDATION

PLAN VIEW SHOWING STREET LIGHT BEYOND 20' MAXIMUM DISTANCE

NOTE:
PIGTAIL SOCKET AND PLUG FUSE SOCKET SHALL BE GRAYBAR NO. 43310 OR EQUAL FUSE SHALL BE PLUG TYPE 15 AMP

STREET LIGHT STANDARD GROUNDING CONDUCTOR SPLICES & CONNECTIONS BY LIPA

SEE NOTE

20' MAX

EXISTING ILICO MANHOLE

CABLE & OR CONDUIT BY ILICO

ELEVATION SHOWING STREET LIGHT WITHIN 20' MAXIMUM DISTANCE

CONSTRUCTION STANDARDS

SERVICE FROM LIPA NETWORK FACILITIES TO STREET LIGHTING

Updated October 6, 2009
1. THE FOLLOWING OR EQUIVALENT FUSE ASSEMBLY AND FUSE, SIZED TO THE CABLE AND THE LOAD SHALL BE:
   FUSE ASSEMBLY-ELASTIMOLD DIVISION FUSED CONNECTOR
   KIT STYLE # 64
   FUSE- BUSSMAN MIDGET CAT. # KTK
2. ALL LIGHTING STANDARDS MUST BE PROPERLY GROUNDED AND BONDED TO THE LILCO SYSTEM BY MEANS OF AN INDIVIDUAL CONDUCTOR SEPARATE FROM THE STREET LIGHTING SERVICE.
3. IN NO CASE WILL THE STREET LIGHTING SERVICE CABLE BE TAPPED INTO A SECONDARY MAIN OR SERVICE CABLE.
CONSTRUCTION STANDARDS

POST TOP LUMINAIRE

Town of Islip
Department of Planning and Development
NOTES:
1. ALL CONSTRUCTION SHALL CONFORM TO DESIGN SPECIFICATIONS SET FORTH IN THE NATIONAL ELECTRIC SAFETY CODE AND THIS LIPA STANDARD.
2. STREET LIGHT BRACKET SHALL BE GROUNDED USING SEPARATE GROUNDING CONDUCTOR FURNISHED BY LIPA. INITIAL CONNECTION TO BRACKET TO BE MADE BY LIPA.
3. LIPA SHALL PLACE LIGHT IN SERVICE BY MAKING INITIAL CONNECTIONS THROUGH FUSE TO ENERGIZE 2C #14 SUPPLY CABLE. TAPE ALL CONNECTIONS.
4. CONTRACTOR TO FURNISH PHOTOELECTRIC CONTROL FOR DUSK TO DAWN ILLUMINATION FOR APPROXIMATELY 4200 HOURS PER YEAR.
5. MOUNTING HEIGHT SHALL BE DETERMINED BY MUNICIPAL AUTHORITIES AND THEIR CONTRACTOR SHALL ARRANGE WITH LLCD FOR ANY POLE REPLACEMENTS NECESSARY. VERIZON APPROVAL IS REQUIRED ON A VARIANCE BASIS FOR ANY MOUNTING HEIGHT BELOW MINIMUM DIMENSION OF 24'-9" SINCE VERIZON NORMAL POLE SPACE IS INVOLVED. SEE DETAIL "B" FOR FUSING OF STREET LIGHTS MOUNTED BELOW VERIZON FACILITIES. WHEN A STREET LIGHT BRACKET IS MOUNTED BELOW VERIZON FACILITIES A FUSE HOLDER SHALL BE MOUNTED ON THE UNDERSIDE OF THE LAMP BRACKET. ALL CONDUCTORS SHALL BE CRIMP SPLICED AND TAPED, AS SHOWN IN DETAIL "B". ALL SPLICES SHALL BE INSERTED IN THE LAMP BRACKET LEAVING A SMALL DRIP LOOP WHICH SHALL BE PROTECTED WITH A 2" WIDE EPOXIED STRAP. SEE DETAIL "C" FOR FUSING OF STREET LIGHTS MOUNTED BELOW NYTCO WHICH DO NOT HAVE A FUSE HOLDER MOUNTED ON THE UNDERSIDE OF THE LAMP BRACKET.
6. MINIMUM 4" CLEARANCE IN ALL DIRECTIONS SHALL BE MAINTAINED FROM STREET LIGHT BRACKET AND FIXTURE AND SECONDARY VOLTAGE WIRES PASSING BRACKET AND FIXTURE.
7. AVOID PLACING STREET LIGHT FIXTURES ON POLES CONTAINING THE FOLLOWING: UTILITY UNDERGROUND RISER PIPES, LARGE TERMINALS OR OTHER THIRD PARTY ATTACHMENTS WHERE OTHER INSTALLATIONS LIMIT SPACE (EXAMPLE-CATV POWER SUPPLY OR TRAFFIC CONTROL BOX).
8. THE MINIMUM DIMENSIONS OF 2'-9" SHALL BE MET OR EXCEEDED FOR ALL CASES.
1. This detail for site plan approval only. Contractor required to submit shop drawings to project structural engineer to verify conformance with NYS building code requirements with respect to actual field loads and conditions.

2. Contractor to supply manufacturer with bolt template, J-bolts and conduit.

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**CONSTRUCTION STANDARDS**

PRECAST CONC. FOUNDATION FOR 10' POST W/ PEDESTAL BASES

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**PLAN**

PRECAST LIGHT POLE FOUNDATION AS MANUFACTURED BY JOHN E. POTENTE & SONS, HICKSVILLE, NY OR APPROVED EQUAL

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SEE LIGHT POLE/FIXTURE DETAILS AND LIGHTING SPECIFICATIONS FOR POLE AND FIXTURE INFORMATION

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**ELEVATION**

(4) – "J" BOLTS 1" DIA. x 40" GALVANIZED BOLT CIRCLE AS REQUIRED.

1" DIA. CORRUGATED PLASTIC CONDUIT

3,000 PSI/28 DAY CONCRETE

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Town of Islip
Department of Planning and Development

Updated October 6, 2009
BOLT CIRCLE DIAMETER AS REQUIRED

PLAN

(4) - 1"x3'-4"
GALVANIZED ANCHOR BOLT THREADED A MIN. OF 3"

1½" CORRUGATED PLASTIC CONDUIT

CONSTRUCTION STANDARDS
PRECAST CONC. FOUNDATION FOR 25' 30' AND/OR 35' POLES

Town of Islip
Department of Planning and Development

Updated October 6, 2009
NOTES
1. LENGTH AND WIDTH TO BE DETERMINED BY THE ARCHITECT OR ENGINEER AS NECESSITATED BY THE NEEDS OF THE SITE. THE SIZE IS SUBJECT TO THE APPROVAL OF THE TOWN ENGINEER.
2. TERMINAL AND LINE POSTS SHALL NOT BE SET IN THE SLAB.
3. STOCKADE FENCE TO BE NO. 1 WHITE MILLED CEDAR STOCKADE, 5/8" THICK PICKETS, OR HIGHER GRADE.

CONSTRUCTION STANDARDS
REPAIR/REPLACE REFUSE ENCLOSURE

Town of Islip
Department of Planning and Development

Updated October 6, 2009
STRUCTURAL PLASTIC
1420/12 & 15 Handhole

Color: Green
Material: HDPE
Unit Weight: See Chart
Cover only Weight: 5 LBS.
Box only Weight: See Chart

OPTIONS:
Polymer Concrete Cover, Weight 32 LBS.
Steel Cover, Weight 12 LBS.
3M/EMS Locating Device

STRUCTURAL PLASTIC
1419 Handhole

Color: Green or Gray
Material: HDPE
Unit Weight: 9 1/2 LBS.
Cover only Weight: 3 1/2 LBS.
Box only Weight: 6 LBS.

OPTIONS:
Polymer Concrete Cover, Weight 20 LBS.
Steel Cover, Weight 11 LBS.
3M/EMS Locating Device

CONSTRUCTION STANDARDS

STRUCTURAL PLASTIC HANDHOLE
1419/12 SERIES
OR
1420/12 & 15 SERIES