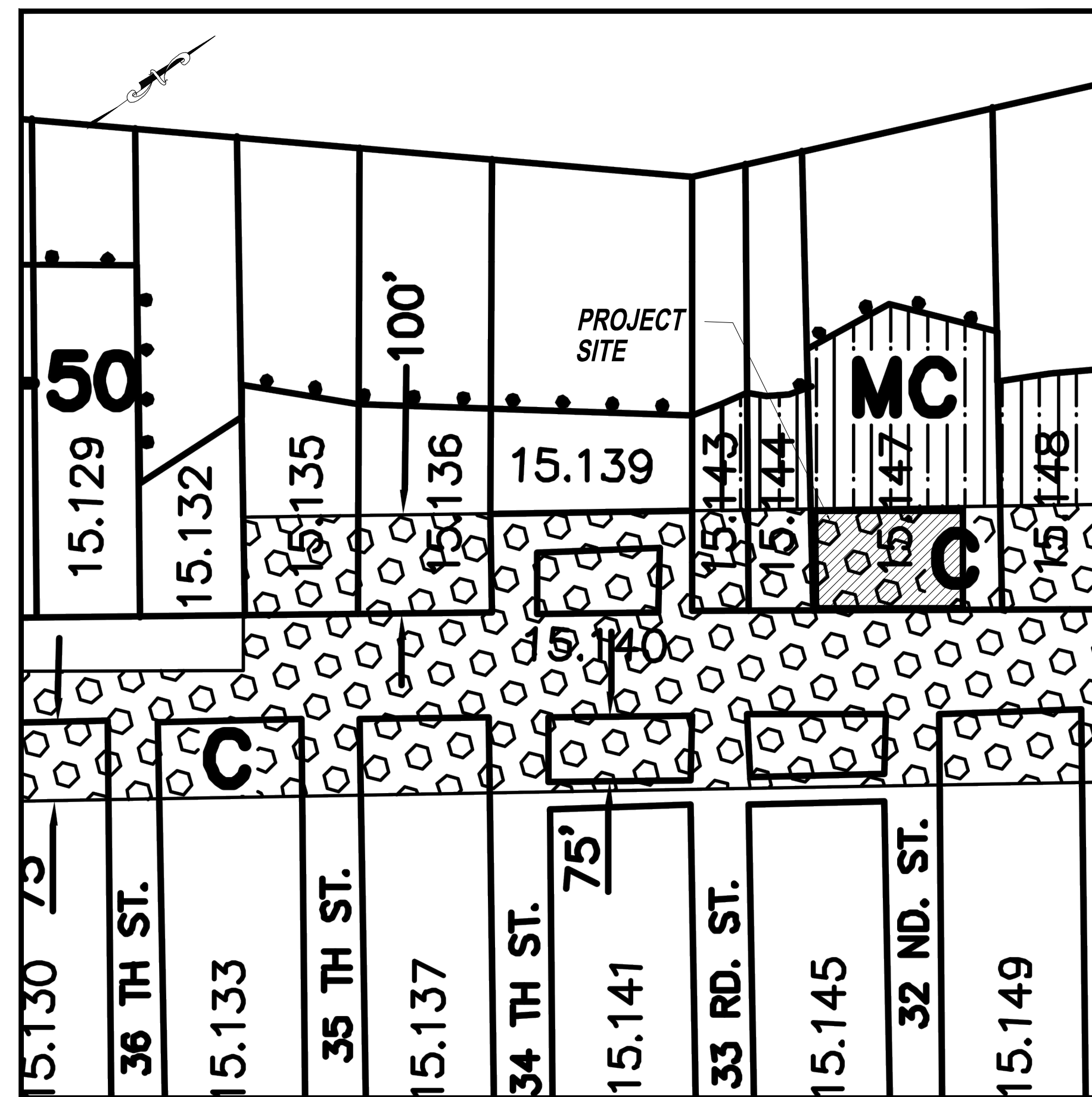


PRELIMINARY & FINAL SITE PLAN

FOR

LOT NO. 2 - BLOCK 15.147

LONG BEACH TOWNSHIP, COUNTY OF OCEAN



ZONE MAP
SCALE: 1"=100'



AREA MAP
SCALE: 1"=100'

| INDEX OF DRAWINGS | |
|-------------------|---|
| SHEET | DESCRIPTION |
| 1 | TITLE SHEET |
| 2 | SITE PLAN |
| 3 | GRADING & UTILITY PLAN |
| 4 | LIGHTING PLAN |
| 5 | SOIL EROSION & SEDIMENT CONTROL |
| 6 | CONSTRUCTION DETAILS |
| 7 | NJDOT PUBLIC SIDEWALKS & CURB RAMP DETECTABLE WARNING SURFACE |
| | |
| | |
| | |

APPLICANT
Bluewater Development, LLC

APPROVED BY THE LONG BEACH TOWNSHIP
LAND USE BOARD

CHAIRMAN _____ DATE _____

SECRETARY _____ DATE _____

BOARD ENGINEER _____ DATE _____

APPROVED BY THE OCEAN
COUNTY PLANNING BOARD

CHAIRMAN _____ DATE _____

PREPARED BY:
DONOHUE ENGINEERING, LLC
210 SUMMIT AVENUE, SUITE C3 MONTVALE, NJ 07645
TEL. (201) 444-6500


THOMAS E. DONOHUE, P.E.
NEW JERSEY PROFESSIONAL ENGINEER No. 36598
CERTIFICATE OF AUTHORIZATION NO. 24GA28282000

12/23/22
DATE:

ZONING DATA:
(C - GENERAL COMMERCIAL ZONE)

| | REQUIRED: | EXISTING: | PROPOSED: |
|------------------------|------------|-------------|-------------|
| MIN. LOT AREA | 6,000 S.F. | 15,000 S.F. | 15,000 S.F. |
| MIN. LOT WIDTH (FT) | 60 | 150 | 150 |
| SIDE YARD (FT) (MIN.) | 3 | 50.8 | 20.0 |
| REAR YARD (FT) | 10 | 46.7 | 32.59 |
| BUILDING HEIGHT (MAX.) | 34' | 28.8' | 34' |

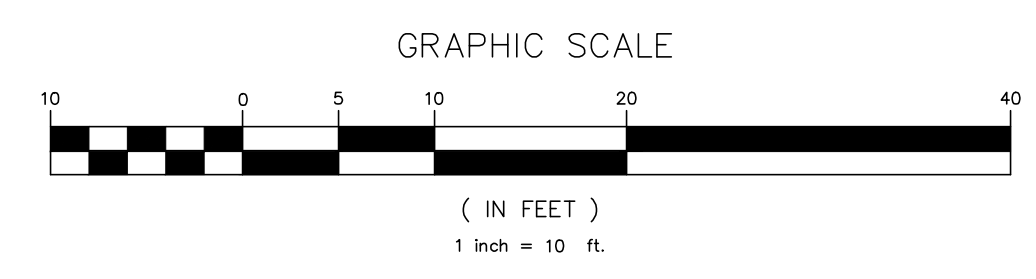
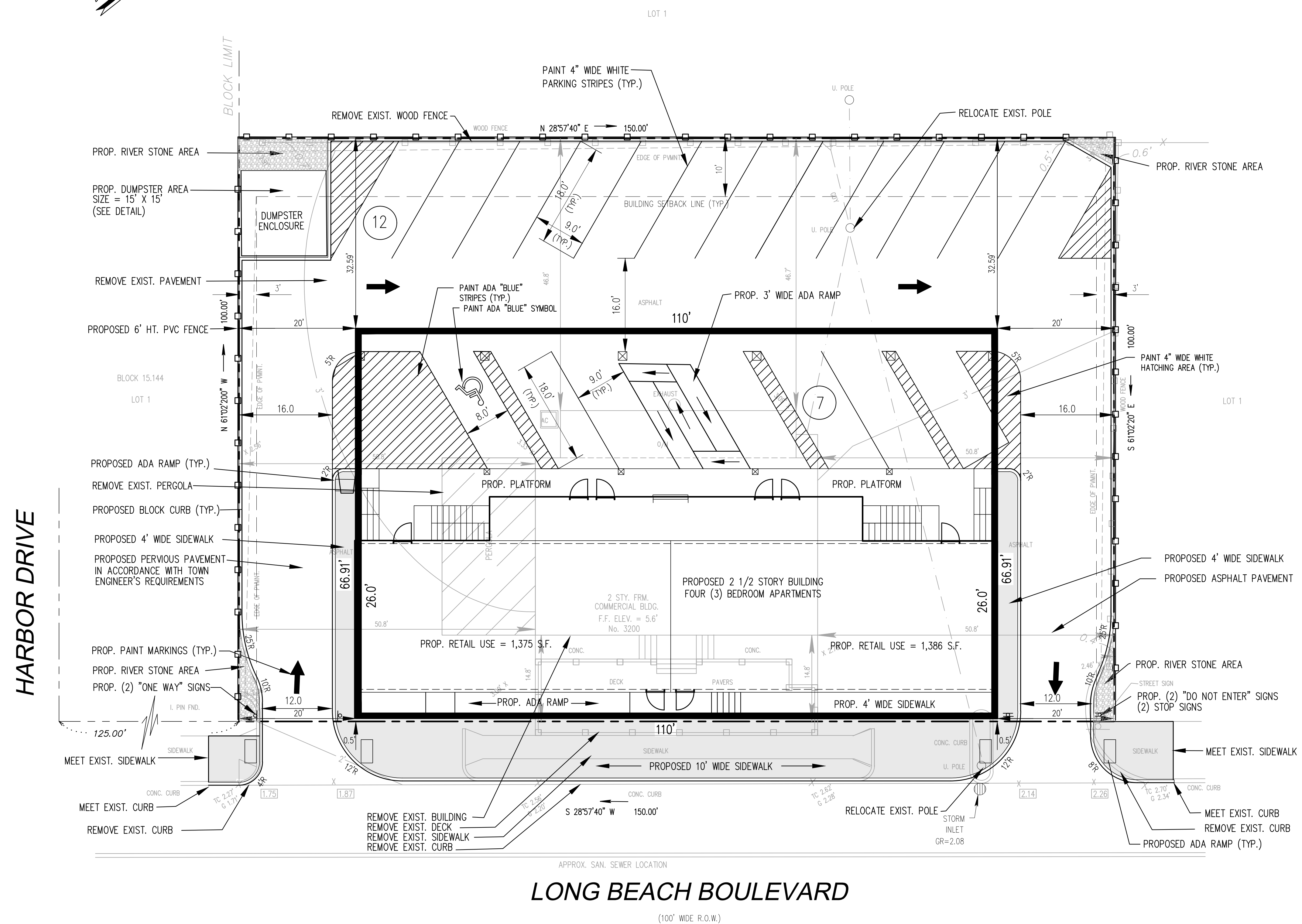
PROPOSED BUILDING AREA = 7,360 S.F.// COVERAGE = 7,360/15,000=49.06%
EXISTING PROPERTY IMPERVIOUS AREA = 15,000 S.F. = 100%
PROPOSED PROPERTY IMPERVIOUS AREA = 14,786 S.F. = 98.5%

PARKING CALCULATIONS:

RETAIL BUSINESS USE = (2) SPACES/1000 S.F. = 2,761 S.F./1000 X 2 = 5.5 SPACES
RSIS PARKING REQUIREMENTS = 3 BEDROOM APARTMENT REQUIRES = 2.1 PARKING SPACES X 4 = 8.4 SPACES
TOTAL = 14.0 SPACES REQUIRED
TOTAL = 19.0 SPACES PROVIDED

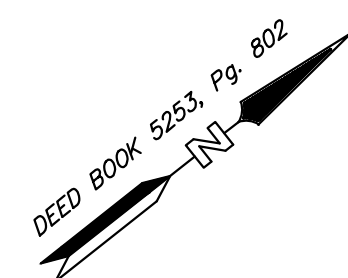
GENERAL NOTES:

- PROPERTY DESIGNATED AS BLOCK 15.147, LOT NO. 2 IN LONG BEACH TOWNSHIP. TAX MAP #21.
- THE PROPERTY LINE SURVEY AND EXISTING INFORMATION WERE TAKEN FROM A SURVEY PREPARED BY LAND LINE SURVEYORS DATED 11/25/22.
- THE INFORMATION SHOWN ON THESE PLANS CONCERNING THE TYPE AND LOCATION UNDERGROUND UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION TO THE TYPE AND LOCATION OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO.
- ALL CONSTRUCTION SHOWN HEREON UNLESS SPECIFICALLY NOTED OTHERWISE, SHALL BE IN ACCORDANCE WITH THE N.J.DOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION 1989, AS AMENDED.
- THE EXISTING BUILDING IS SERVICED BY MUNICIPAL WATER AND SEWER SERVICES.
- ELEVATION DATUM IS IN NAVD-1988. FEMA 100-YEAR ELEVATION 9.0.
- THE PROPOSED BUILDING WILL BE SERVICED BY NEW MUNICIPAL WATER & SEWER SERVICES.
- THE APPLICANT SHALL BE RESPONSIBLE FOR THE EXPENSES RELATED TO ANY RECONSTRUCTION OF PAVEMENT, CURB, SIDEWALK OR OTHER PUBLIC PROPERTY DAMAGED DURING CONSTRUCTION ACTIVITIES.
- THE APPLICANT SHALL REPLACE ANY DAMAGED, CRACKED, OR SETTLED CURB, SIDEWALK AND DRIVEWAY APRONS, IF ANY, ALONG THE PROPERTY FRONTAGE TO THE SATISFACTION OF THE BOARD ENGINEER AND CITY REPRESENTATIVES.
- THE APPLICANT SHALL ENSURE THAT THE PROJECT'S STORMWATER RUNOFF DOES NOT NEGATIVELY AFFECT NEIGHBORING PROPERTIES AND ANY DAMAGES SHALL BE REPAIRED BY THE APPLICANT.



LONG BEACH BOULEVARD
(100' WIDE R.O.W.)

| NO. | DATE | REVISIONS |
|--|-----------------|----------------------|
| SITE PLAN | | |
| FOR LOT 2 - BLOCK 15.147 | | |
| 3200 LONG BEACH BOULEVARD OCEAN COUNTY NEW JERSEY | | |
| THIS DRAWING NOT VALID UNLESS SIGNED AND SEALED BY ENGINEER | | |
| DONOHUE ENGINEERING, LLC 210 SUMMIT AVE., SUITE C3 MONTVALE, NJ 07645 TEL. (201) 444-6500 DONOHUEENGINEERING.COM CERTIFICATE OF AUTHORIZATION NO. 24GA28282000 | | 2022LBI |
| Date: 12/23/22 | Drawn by: TED | 2 7 |
| Scale: 1" = 10' | Checked by: TED | |

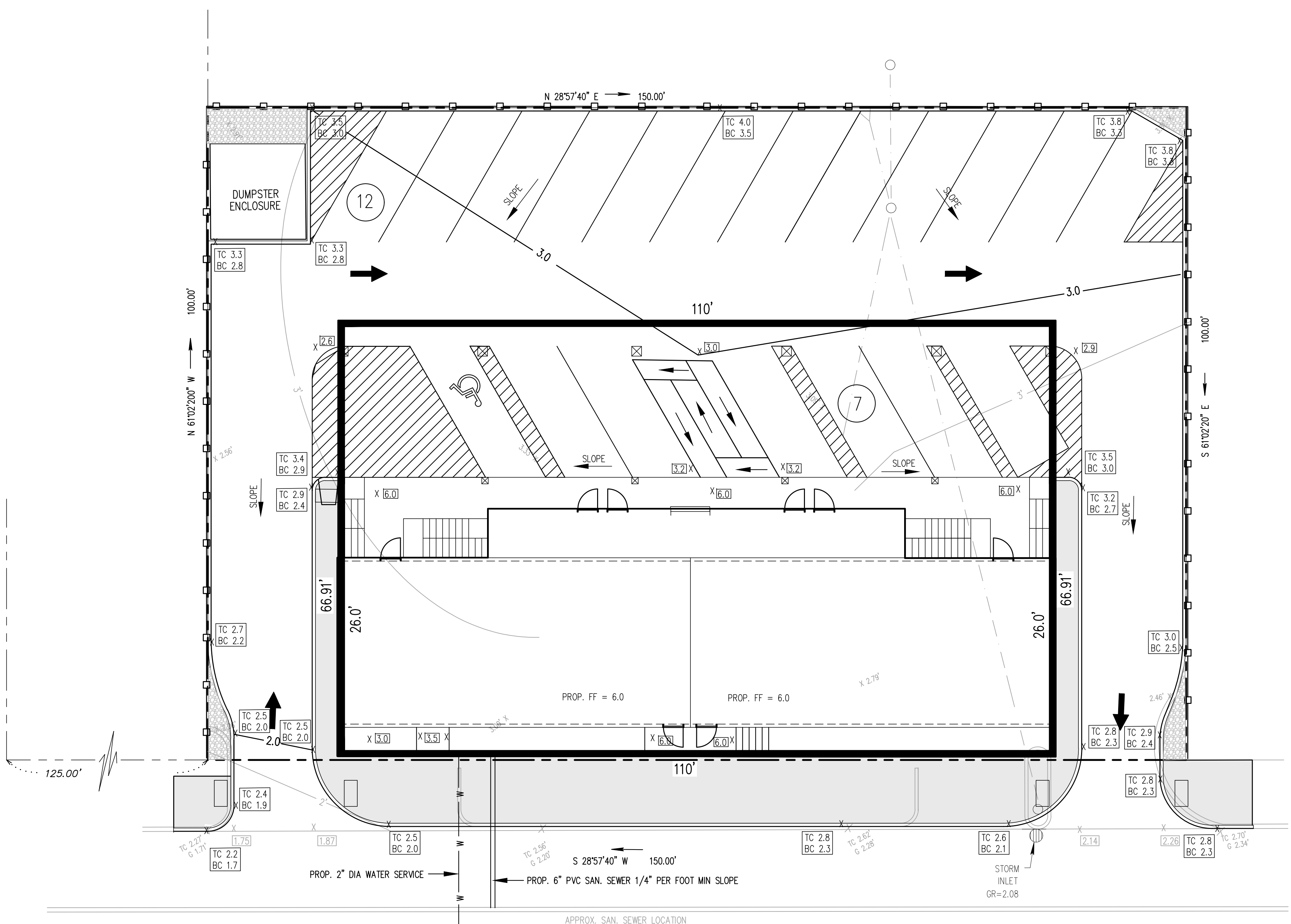


BLOCK 15.147
LOT 2

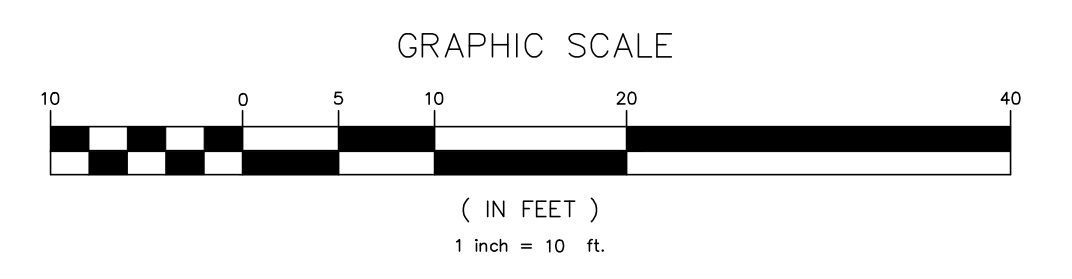
HARBOR DRIVE

DEED BOOK 5253, Pg. 802

HARBOR DRIVE

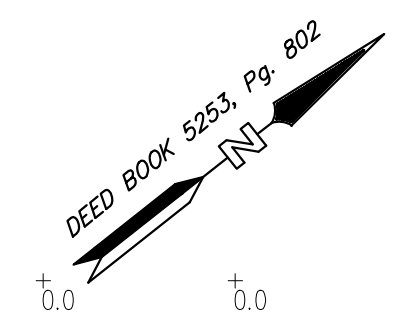


LONG BEACH BOULEVARD

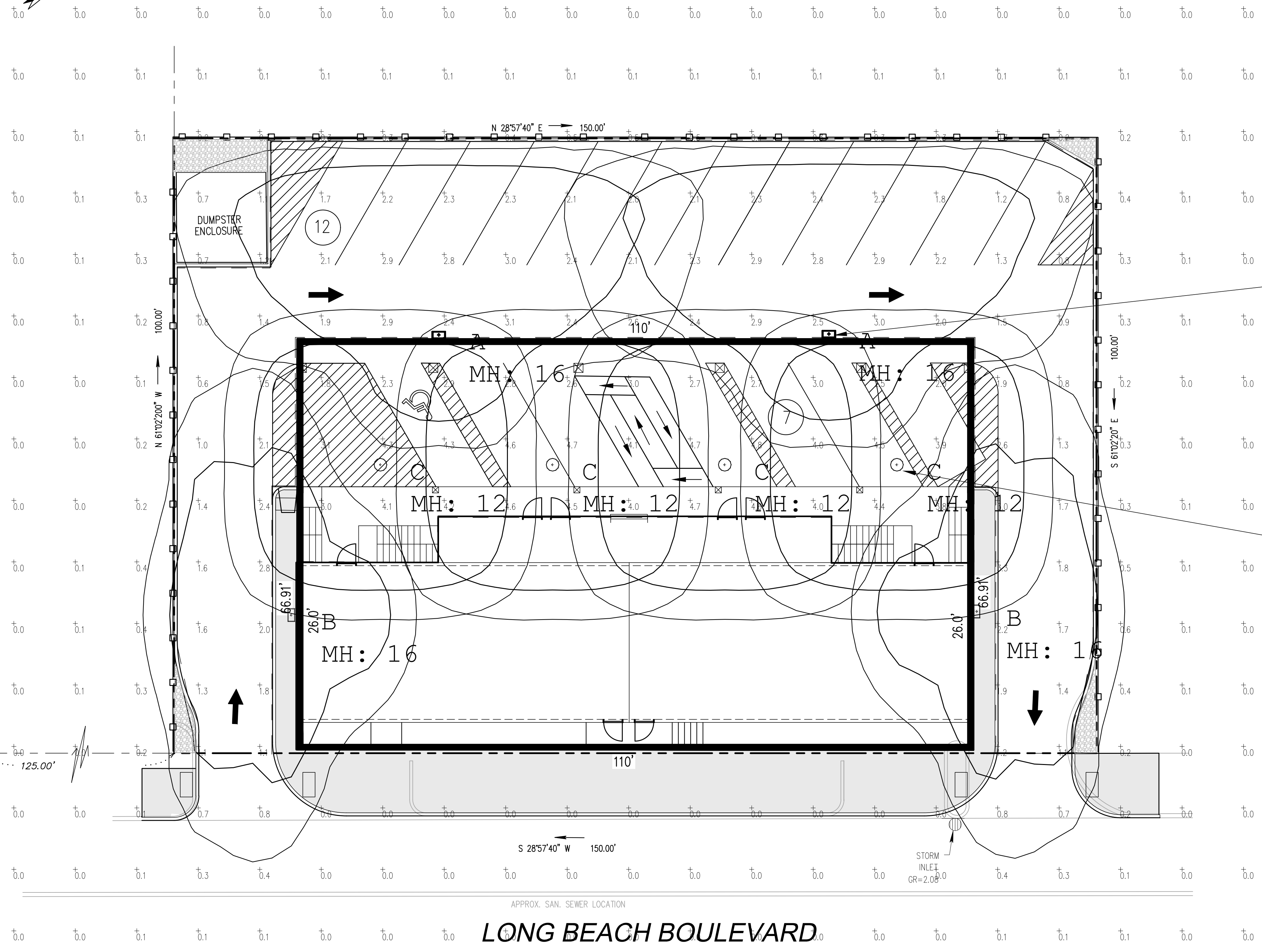


| NO. | DATE | REVISIONS |
|--|-----------------|-----------|
| GRADING & UTILITY PLAN | | |
| FOR | | |
| LOT 2 - BLOCK 15.147 | | |
| 3200 LONG BEACH BOULEVARD | | |
| OCEAN COUNTY NEW JERSEY | | |
| THIS DRAWING NOT VALID UNLESS SIGNED AND SEALED BY ENGINEER | | 2022LBI |
| DONOHUE ENGINEERING, LLC 210 SUMMIT AVE., SUITE C3 MONTVALE, NJ 07645 TEL. (201) 444-6500 DONOHUEENGINEERING.COM CERTIFICATE OF AUTHORIZATION NO. 246A28282000 | | 3 |
| Date: 12/23/22 | Drawn by: TED | 7 |
| Scale: 1" = 10' | Checked by: TED | |

Thomas E. Donohue
THOMAS E. DONOHUE
NJ PROFESSIONAL ENGINEER #EE36598

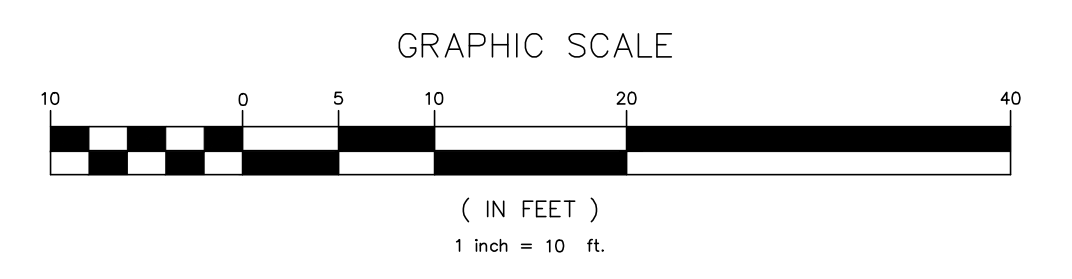


HARBOR DRIVE



PROP. LSI WALL MOUNTED FIXTURE
XWM-2-LED-04L-40-JB10-16' MH
(TYP.)

PROP. LSI CEILING MOUNTED FIXTURE
OPS-05L-5Q-40K8-JB10-12' MH



| CALCULATION SUMMARY | | | | | | | | | |
|---------------------|-------------|-------|-----|-----|-----|---------|---------|--------|--------|
| Label | CalcType | Units | Avg | Max | Min | Avg/Min | Max/Min | PtSpLr | PtSpTb |
| OVERALL | Illuminance | Fc | 1.0 | 4.8 | 0.0 | N.A. | N.A. | 10 | 10 |
| COVERED PARKING | Illuminance | Fc | 3.7 | 4.8 | 1.8 | 2.0 | 2.7 | | |
| UNCOVERED PARKING | Illuminance | Fc | 2.0 | 3.3 | 0.6 | 3.3 | 5.5 | | |

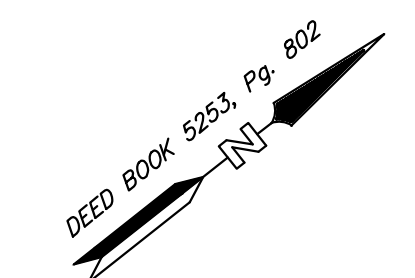
| LUMINAIRE SCHEDULE **REFER TO LIGHTING FIXTURE CUTSHEETS FOR COMPLETE CATALOG NUMBERS** | | | | | | | | | | | |
|---|-----|-------------|--------------|--|----------------------|-----------------------|------|-------|-------------|------------------|-----------------|
| Symbol | Qty | Arrangement | Fixture Type | Description | Manufacturer | Catalog Number | CCT | LLF | Total Watts | Delivered Lumens | Mounting Height |
| + | 2 | Single | A | BUILDING MOUNTED WALLPACK, TYPE 3 DISTRIBUTION | LSI INDUSTRIES, INC. | XWM-3-LED-06L-40-JB10 | 4000 | 0.900 | 44.7 | 6133 | 16 |
| + | 2 | Single | B | BUILDING MOUNTED WALLPACK, TYPE 2 DISTRIBUTION | LSI INDUSTRIES, INC. | XWM-2-LED-04L-40-JB10 | 4000 | 0.900 | 29.5 | 4051 | 16 |
| + | 4 | Single | C | CEILING MOUNTED CANOPY LIGHT | LSI INDUSTRIES, INC. | OPS-05L-5Q-40K8-JB10 | 4000 | 0.900 | 34 | 5126 | 12 |

| | | |
|---|-----------------|-----------|
| NO. | DATE | REVISIONS |
| LIGHTING PLAN | | |
| FOR LOT 2 - BLOCK 15.147 | | |
| 3200 LONG BEACH BOULEVARD OCEAN COUNTY NEW JERSEY | | |
| THIS DRAWING NOT VALID UNLESS SIGNED AND SEALED BY ENGINEER | | 2022LBI |
| DONOHUE ENGINEERING, LLC 210 SUMMIT AVE, SUITE C3 MONTVALE, NJ 07645 TEL. (201) 444-6500 DONOHUEENGINEERING.COM CERTIFICATE OF AUTHORIZATION NO. 246A28282000 | | 4 |
| Date: 12/23/22 | Drawn by: TED | 7 |
| Scale: 1" = 10' | Checked by: TED | |
| THOMAS E. DONOHUE NJ PROFESSIONAL ENGINEER #CE36598 | | |

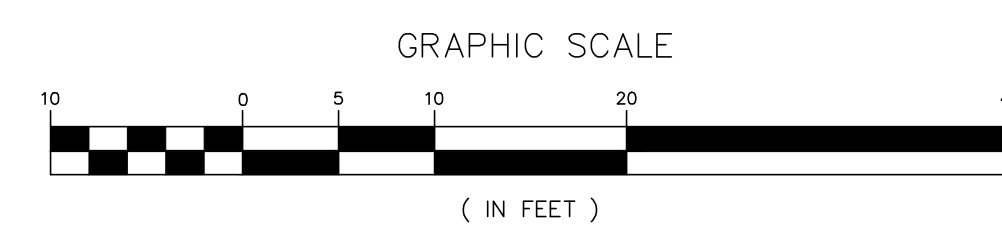
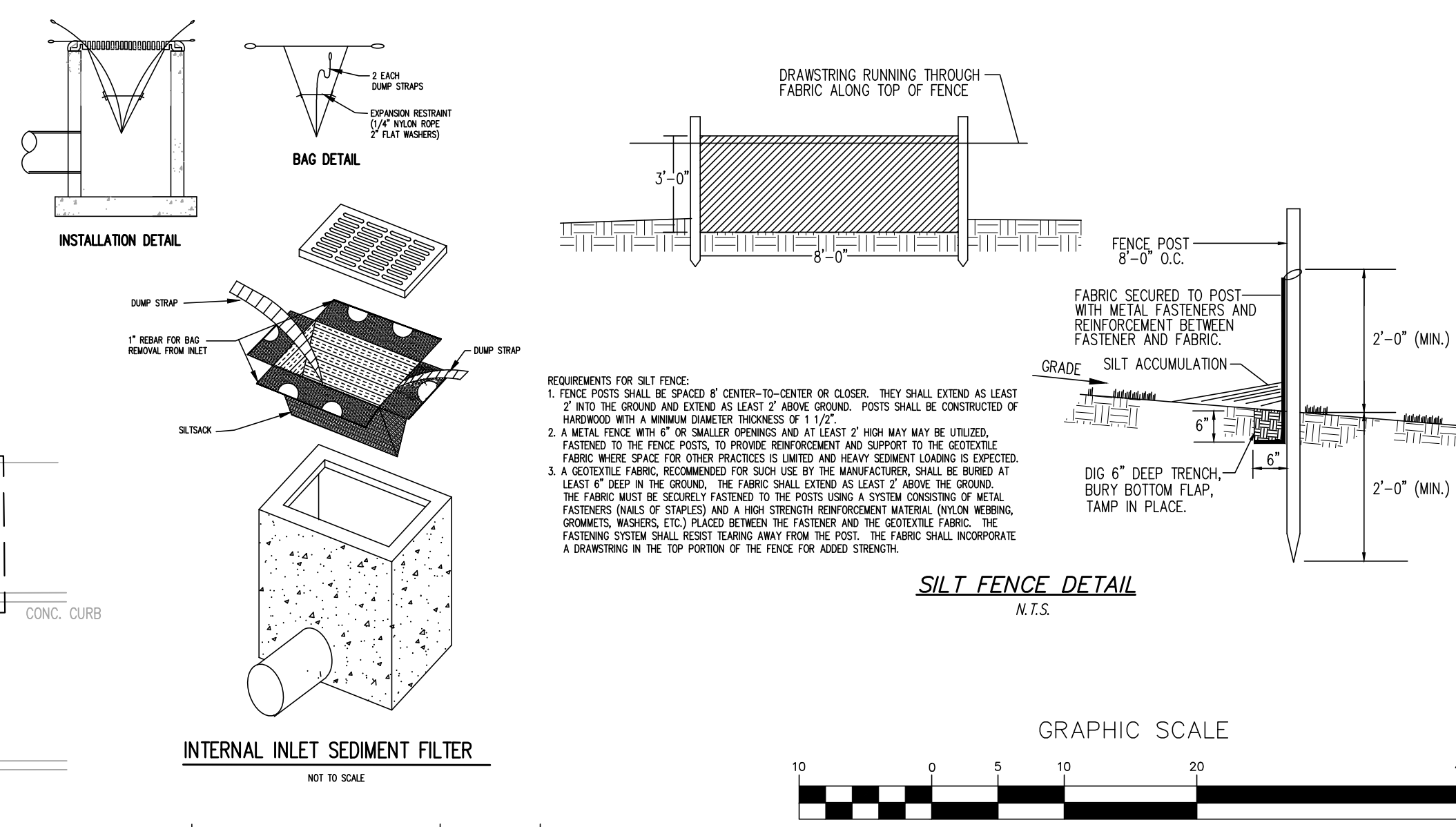
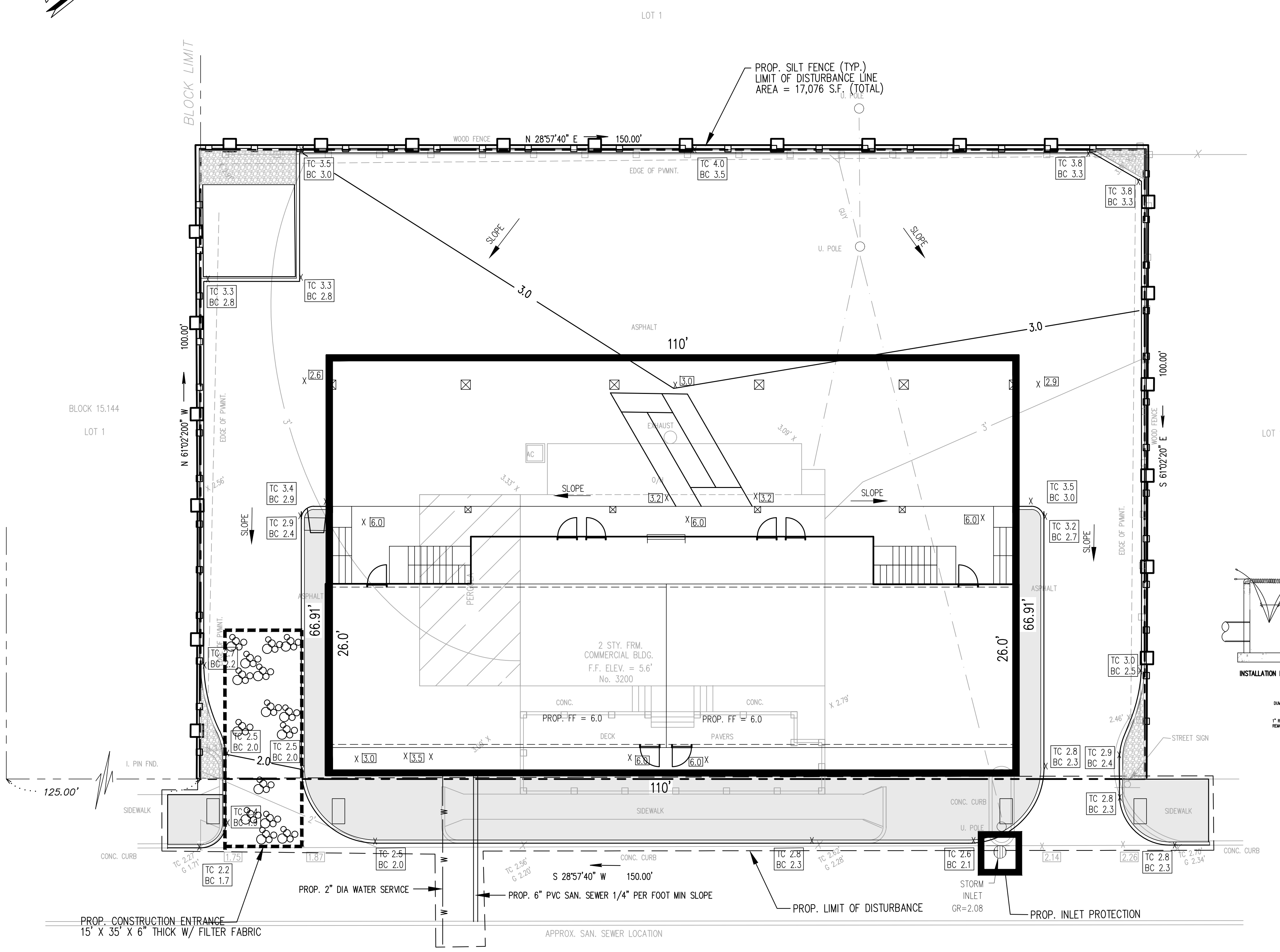
SOIL EROSION AND SEDIMENT CONTROL NOTES

- The Ocean County Soil Conservation District shall be notified forty-eight (48) hours in advance of any land disturbance.
- All work is to be done in accordance with the State Standards for Soil Erosion and Sediment Control in New Jersey.
- All Soil Erosion and Sediment Control practices are to be installed prior to any major soil disturbance or in their proper sequence and maintained until permanent protection is established.
- Any changes to the Certified Soil Erosion and Sediment Control Plans will require the submission of revised Soil Erosion and Sediment Control Plans to the District. The revised plans must meet all current "The Standards for Soil Erosion and Sediment Control and Sediment Control in New Jersey, 7th Edition, January 2014, Revised July 2017. Link to 2014 Standards: <http://www.state.nj.us/agriculture/divisions/anr/nrc/njersion.html>
- N.J.S.A 4:24-39 et seq. requires that no Certificates of Occupancy be issued before there has been compliance with provisions of a certified plan for permanent measures. All site work, and all work around individual lots in subdivisions, must be completed prior to the District issuing a Report of Compliance for the issuance of a Certificate of Occupancy by the Municipality.
- Any disturbed areas that will be left exposed more than sixty (60) days, and not subject to construction traffic, will immediately receive a temporary seeding. If the season prevents the establishment of temporary cover, the disturbed areas will be mulched with straw, or equivalent material within 14 days, at a rate of 2 to 2 1/2 tons per acre, according to State Standard for Stabilization with Mulch Only.
- Immediately following initial disturbance or rough grading, all critical areas subject to erosion (i.e. steep slopes and roadway embankments) will receive temporary seeding in combination with straw mulch or a suitable equivalent, at a rate of 1 1/2 to 2 tons per acre, according to State Standards.
- A sub-base course will be applied immediately following rough grading and installation of improvements to stabilize streets, roads, driveways, and parking areas. In areas where no utilities are present, the sub-base shall be installed within fifteen (15) days of the preliminary grading.
- Any steep slopes (3:1 or greater) or any existing roadways receiving pipeline installation will be backfilled and stabilized daily, as the installation continues.
- The Standard for Stabilized Construction Access requires the installation of a stone pad using clean crushed angular stone (ASTM C-33, size No. 2 or 3) at all construction driveways where vehicles will access paved roadways from unpaved areas of the site.
- All sediment washed, dropped, spilled, or tracked onto roadways (public or private) or other impervious surfaces will be removed immediately.
- Permanent vegetation is to be seeded or sodded on all exposed areas within ten (10) days after final grading. At the time of the final inspection, you are required to provide confirmation that the proper type and amount of seed, lime and fertilizer have been used for permanent stabilization work. Straw mulch is required on all seeding.
- At the time that site preparation for permanent vegetative stabilization is going to be accomplished, any soil that will not provide a suitable environment to support adequate vegetative ground cover shall be removed or treated in such a way that it will permanently adjust the soil conditions and render it suitable for vegetative ground cover. If the removal or treatment of the soil will not provide suitable conditions, non-vegetative means of permanent ground stabilization will have to be employed.
- In accordance with the Standard for Management of High Acid Producing Soils, any soil having a pH of 4 or less or containing iron sulfides shall be covered with a minimum of twelve (12) inches of soil having a pH of 5 or more prior to seedbed preparation. Areas where trees or shrubs are to be planted shall be covered with a minimum of twenty-four (24) inches of soil having a pH of 5 or more.
- Conduit Outlet Protection must be installed at all required outfalls prior to the drainage system becoming operational. Conduit outlet protection is not required in basins acting as sediment basins during construction.
- Unfiltered dewatering is not permitted. Necessary precautions must be taken during all dewatering operations to minimize sediment transfer. Any dewatering methods used must be in accordance with the Standard for Dewatering.
- Should the control of dust at the site be necessary, the site will be sprinkled until the surface is wet, temporary vegetative cover shall be established or mulch shall be applied as required by the Standard for Dust Control.
- Stockpile and staging locations established in the field shall be placed within the limit of disturbance according to the certified plan. Stockpiles not located within the limit of disturbance will require certification of a new and separate Soil Erosion and Sediment Control Plan. The District reserves the right to determine when certification of a new and separate Soil Erosion and Sediment Control Plan will be required for these activities.
- All soil stockpiles are to be temporarily stabilized in accordance with Soil Erosion and Sediment Control note #6. Stockpiles should be situated so as to not obstruct natural drainage or cause off-site environmental damage.
- The property owner shall be responsible for any erosion or sedimentation that may occur below stormwater outfalls or offsite as a result of construction of the project.

Ocean County Soil Conservation District
 714 Lacey Road, Forked River, NJ 08731, (609) 971-7002, Fax: (609) 971-3391, Email: info@soildistrict.org
 Version: February 19, 2019



HARBOR DRIVE

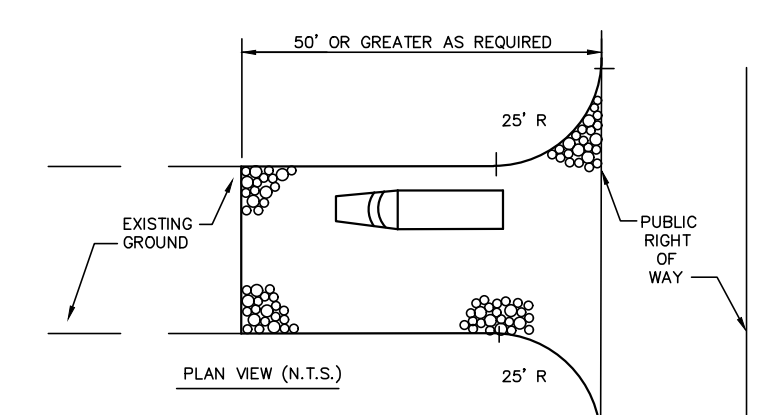
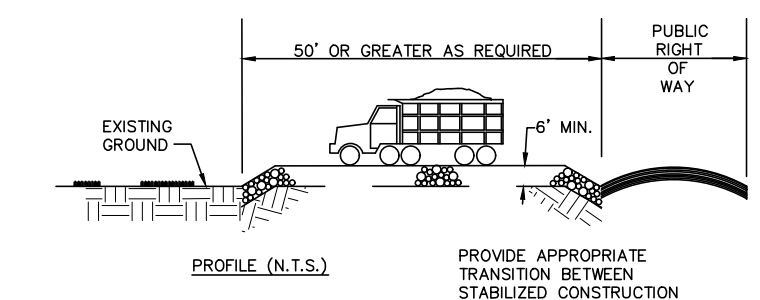


CONSTRUCTION SEQUENCE

- INSTALL HAY BALE BARRIER AND/OR SEDIMENT FENCE 1 DAY
- INSTALL CONSTRUCTION ACCESS DRIVE (CRUSHED STONE WHEEL CLEANING BLANKET) 1 DAY
- CLEAR LAND IN AREA OF CONSTRUCTION. 3 DAYS
- STRIP TOPSOIL IN AREA OF CONSTRUCTION, STOCKPILE AND STABILIZE. 2 DAYS
- CONSTRUCT BUILDING. 6 MONTHS
- INSTALL UTILITY SYSTEMS. 2 DAYS
- GRADE SITE TO ELEVATIONS SPECIFIED ON SITE PLAN. 2 DAYS
- APPLY TOPSOIL (5") MINIMUM, SEED, AND STABILIZE. 1 DAY
- UPON COMPLETION OF ALL CONSTRUCTION AND STABILIZATION, REMOVE EROSION CONTROL DEVICES. 1 DAY

DURATION

TOTAL = 6 1/2 MONTHS



| PERCENT SLOPE OF ROADWAY | LENGTH OF STONE REQUIRED | CONCRETE GRADED BASE / FINE GRADED SOILS |
|--------------------------|--------------------------|--|
| 0 TO 1% | 50 FT. | 100 FT. |
| 1 TO 5% | 100 FT. | 200 FT. |
| 5 TO 10% | 150 FT. | 300 FT. |
| 10% OR GREATER | 200 FT. | 400 FT. |

STABILIZED CONSTRUCTION ENTRANCE

| NO. | DATE | REVISIONS |
|-----|------|-----------|
| | | |

SOIL EROSION & SEDIMENT CONTROL
 FOR
LOT 2 - BLOCK 15.147
 3200 LONG BEACH BOULEVARD
 OCEAN COUNTY NEW JERSEY

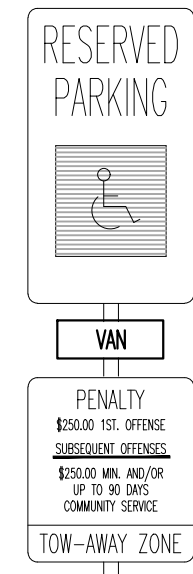
THIS DRAWING NOT VALID UNLESS SIGNED AND SEALED BY ENGINEER

DONOHUE ENGINEERING, LLC
 210 SUMMIT AVE., SUITE C3 MONTVALE, NJ 07645
 TEL. (201) 444-6500 DONOHUEENGINEERING.COM
 CERTIFICATE OF AUTHORIZATION NO. 246A28282000

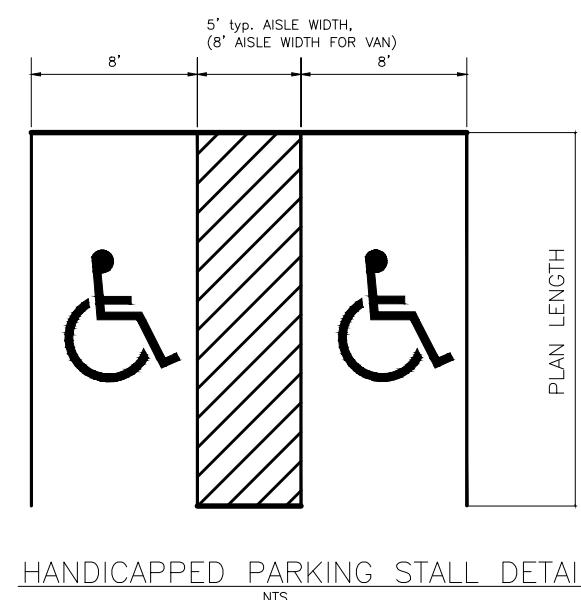
Date: 12/23/22 Drawn by: TED
 Scale: 1" = 10' Checked by: TED

THOMAS E. DONOHUE
 NJ PROFESSIONAL ENGINEER #CE36598

2022LBI
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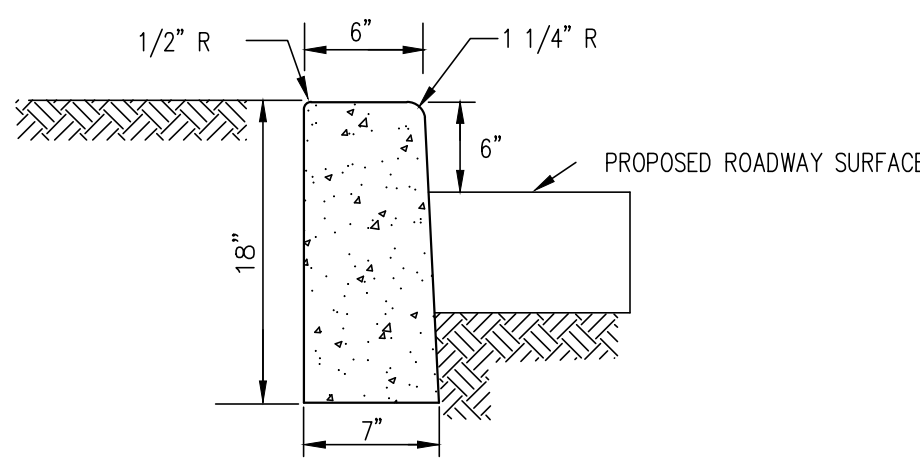


HANDICAPPED PARKING SIGN DETAIL
N.T.S.



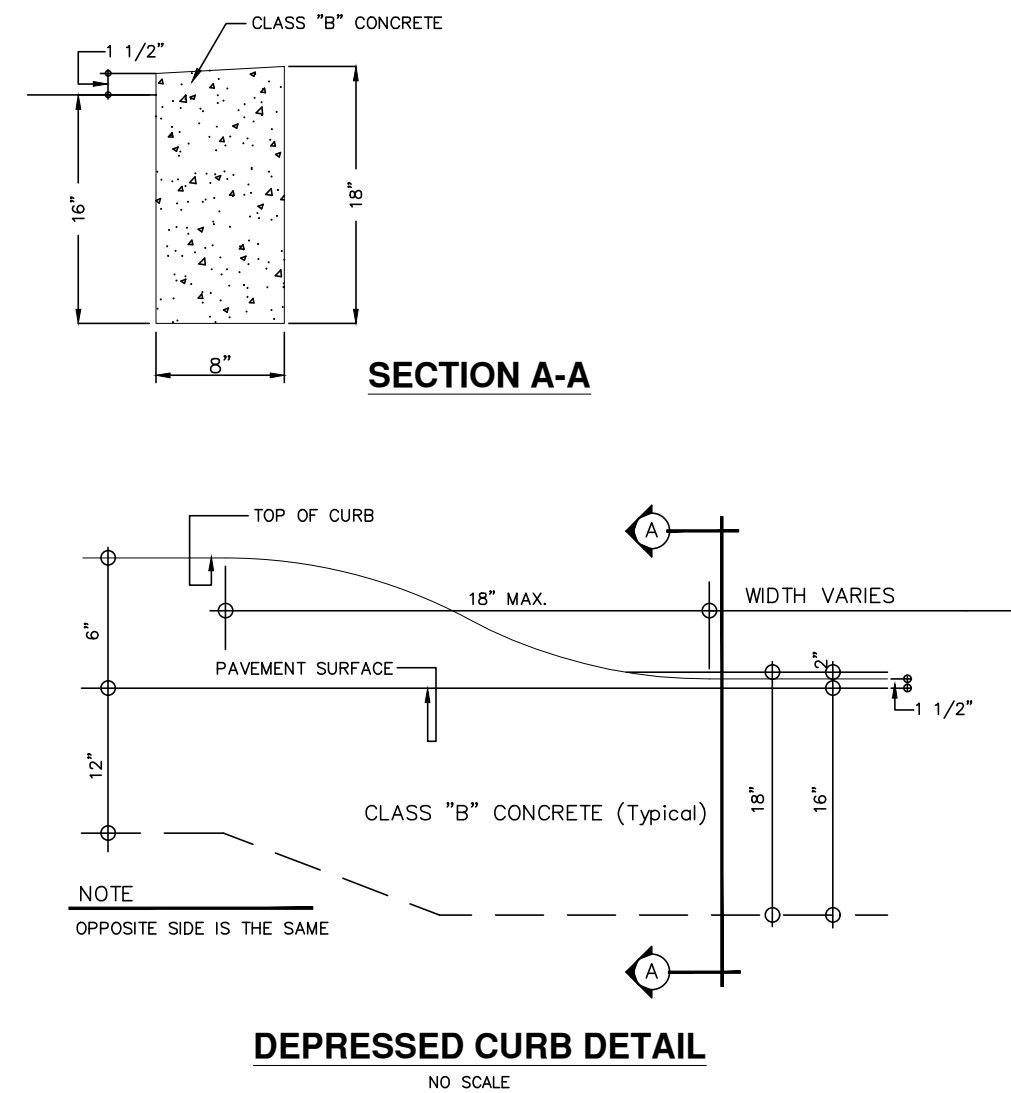
HANDICAPPED PARKING STALL DETAIL
N.T.S.

- Notes:
- UPPER SIGN SHALL BE 8 1/2" SIGN. LOWER SIGN SHALL BE 8 1/2" SIGN. SEE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
 - BOTTOM EDGE OF 8 1/2" SIGN SHALL BE MOUNTED APPROX. 40 INCHES ABOVE PROPOSED SURFACE.

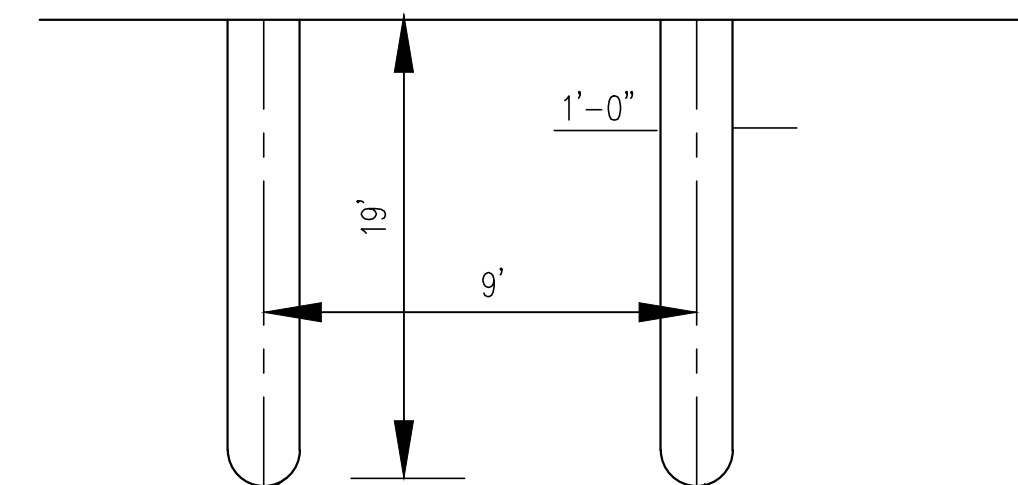


- NOTES:
- SUBGRADE TO BE COMPACTED IN ACCORDANCE WITH N.J.DOT STANDARD SPECIFICATIONS.
 - EXPANSION JOINTS ARE TO BE 1/2" WIDE & FILLED WITH PREFORMED BITUMINOUS TYPE JOINT FILLER. THE TOP OF ALL JOINT FILLER SHALL BE 1/4" BELOW THE OUTSIDE OF THE CURB SURFACE. EXPANSION JOINTS SHALL BE LOCATED 20' ON CENTER & SHALL COMPLY WITH A.A.S.H.T.O. SPEC. M-213.
 - CURBS SHALL BE CONSTRUCTED WITH CLASS 'C' CONCRETE.

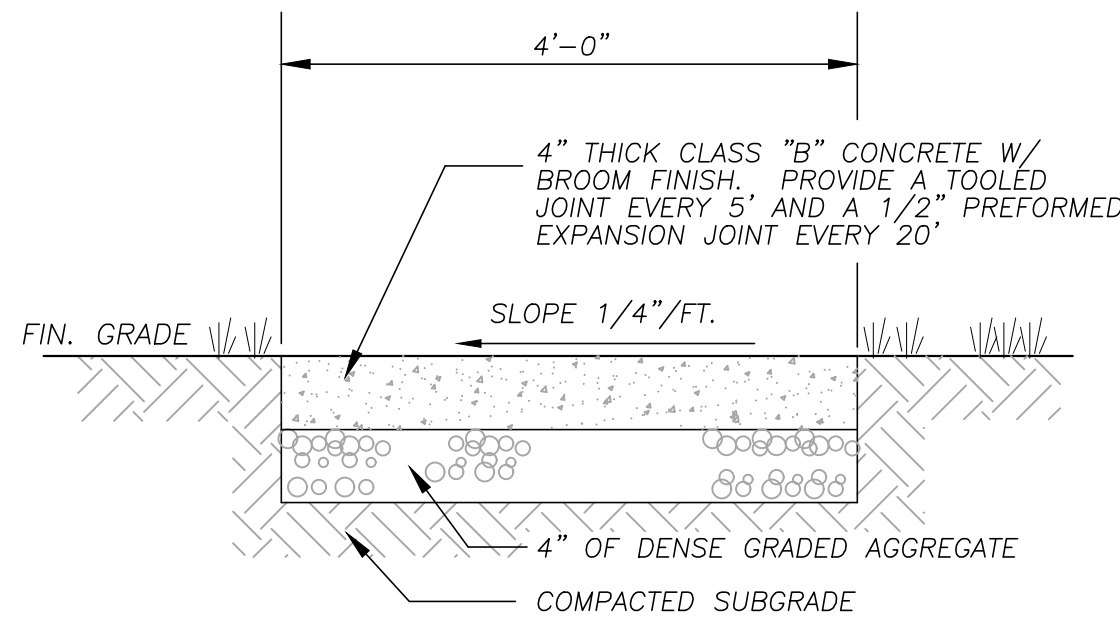
CONCRETE VERTICAL CURB DETAIL
N.T.S.



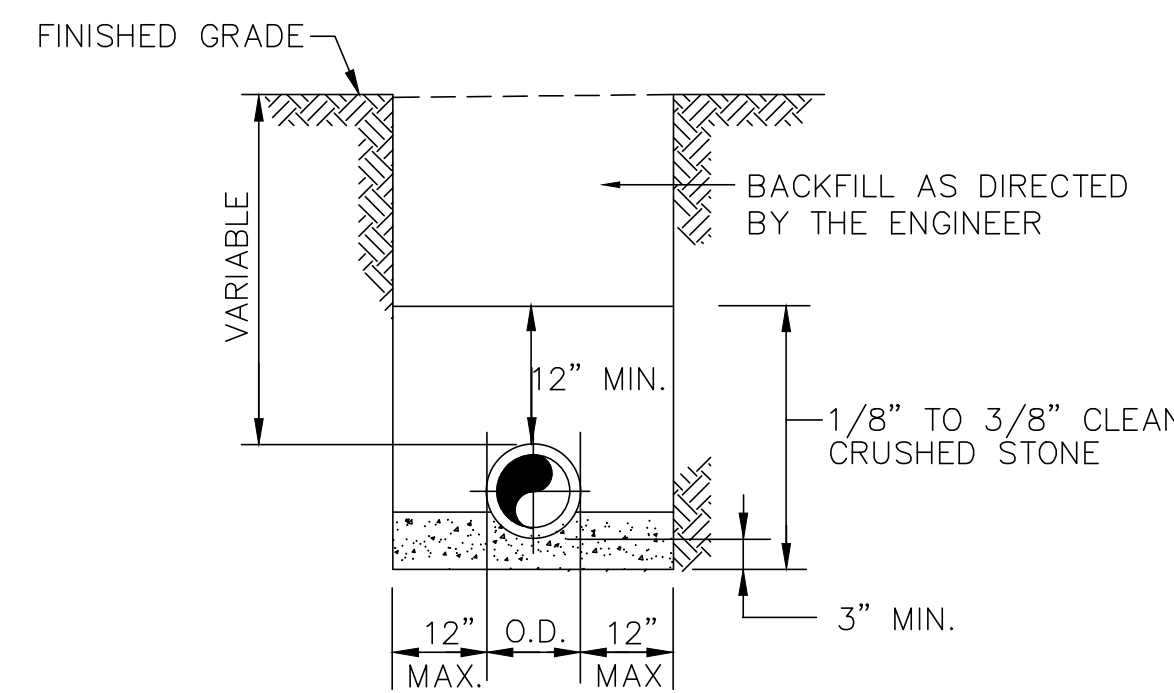
DEPRESSED CURB DETAIL
NO SCALE



HAIRPIN PARKING STRIPES
N.T.S.

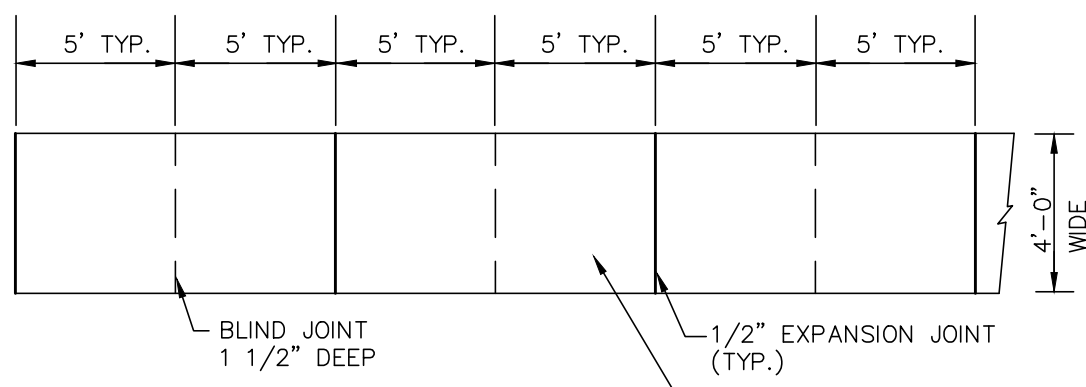


SIDEWALK DETAIL
N.T.S.



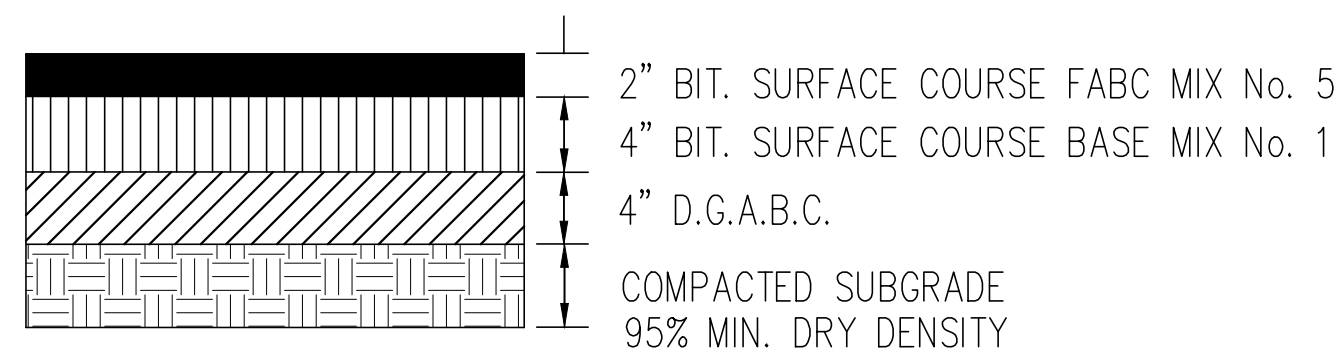
SANITARY SEWER TRENCH DETAIL
N.T.S.

- NOTE:
- INSTALL CLASS 52 DUCTILE IRON PIPE WHEN DEPTH OF INSTALLATION EXCEEDS 20'.

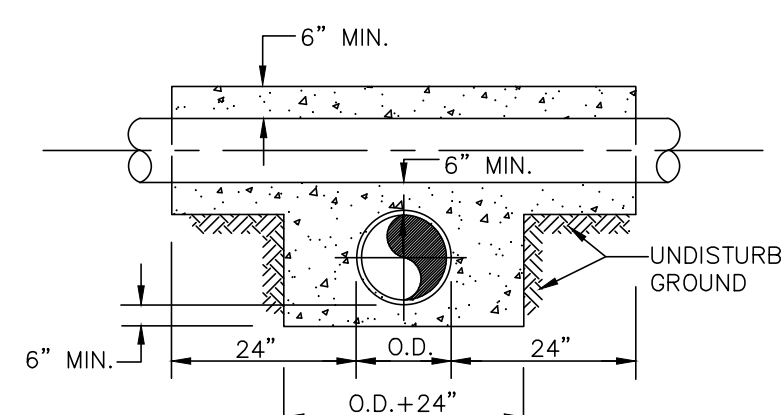


- NOTES:
- SUBGRADE TO BE COMPACTED IN ACCORDANCE WITH N.J.DOT STANDARD SPECIFICATIONS.
 - EXPANSION JOINTS ARE TO BE 1/2" WIDE & FILLED WITH PREFORMED BITUMINOUS TYPE JOINT FILLER. THE TOP OF ALL JOINT FILLER SHALL BE 1/4" BELOW THE OUTSIDE OF THE CURB SURFACE. EXPANSION JOINTS SHALL BE LOCATED 20' ON CENTER.
 - BLIND JOINTS ARE TO BE SURFACE GROOVES CUT INTO SIDEWALK 1/2" DEEP AND SHALL BE LOCATED 10'-0" ON CENTER.
 - SIDEWALKS SHALL BE CONSTRUCTED WITH CLASS 'B' AIR ENTRAINED WHITE CONCRETE.
 - SIDEWALK SURFACE SHALL RECEIVE A BROOM FINISH AND EDGES SHALL BE FINISHED WITH AN EDGING TOOL.

CONCRETE SIDEWALK DETAIL
N.T.S.

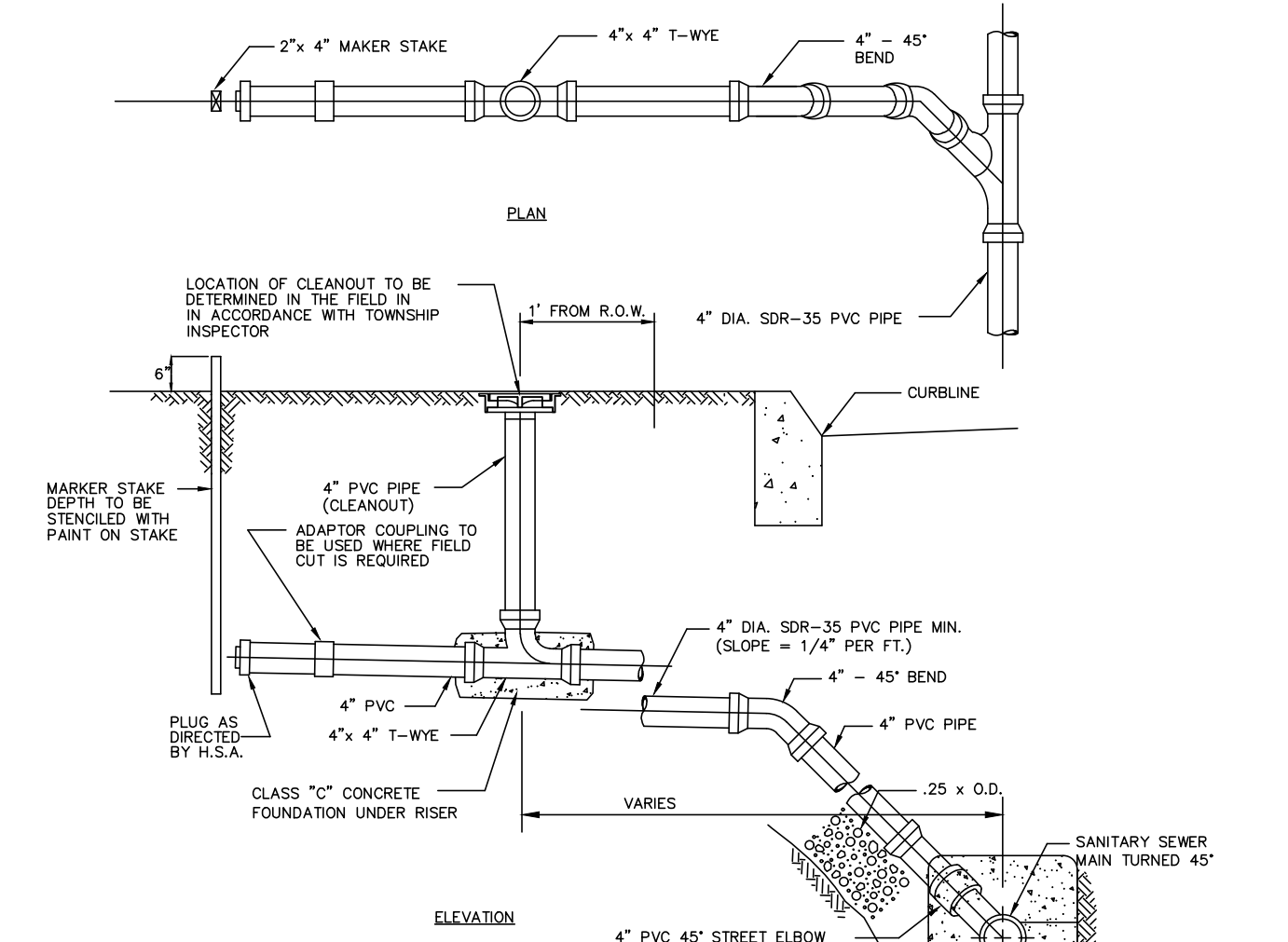


ASPHALT PAVEMENT DETAIL
N.T.S.



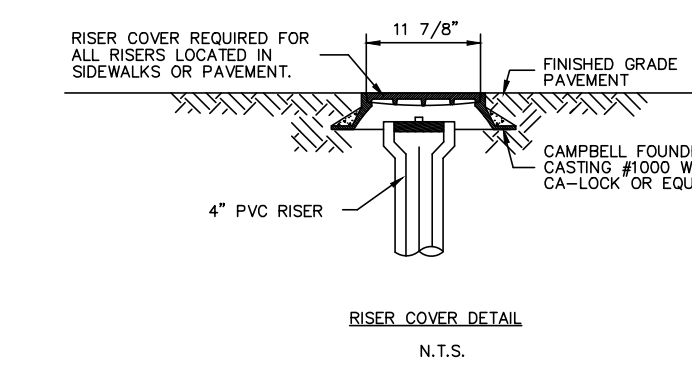
- NOTE:
- ENCASEMENT OF LOWER PIPE TO BE CARRIED 24" IN EACH DIRECTION BEYOND THE WALLS OF THE UPPER PIPE.
 - USE 2000 PSI CONCRETE FOR ENCASEMENTS AND UTILITY CROSSINGS.

UTILITY CROSSING DETAIL
N.T.S.

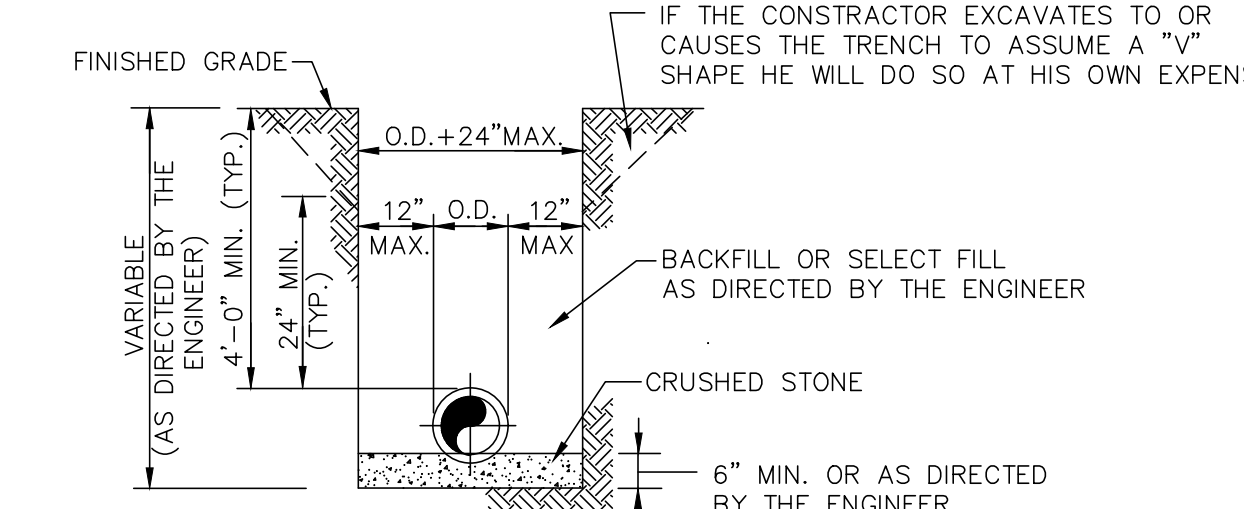


- NOTES:
- ALL COUPLINGS, PLUGS, SOIL PIPES & CAPS TO BE STANDARD FOR TYPE OF PIPE USED. INSTALLATION TO BE WATER TIGHT.
 - CLEANOUTS & INSPECTION TEES ARE TO BE LOCATED 1'-0" FROM R.O.W.
 - HOUSE CONNECTIONS ARE TO BE 4" P.V.C.
 - ALL PLUG THREADS SHALL BE GREASED AT TIME OF INSTALLATION.
 - POLYVINYL CHLORIDE PIPE AND FITTINGS FOR HOUSE LATERALS SHALL CONFORM TO A.S.T.M. D-3034.
 - PROVIDE ADEQUATE PROTECTION FOR SEWER DURING INSTALLATION OF BUILDING CONNECTION.

BUILDING SEWER CONNECTION
N.T.S.

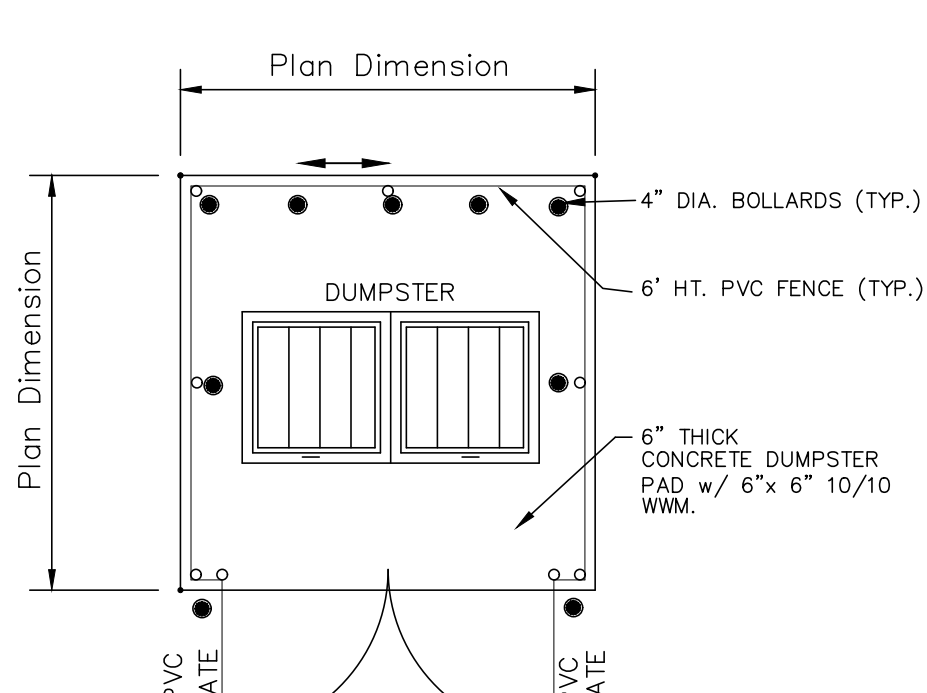


RISER COVER DETAIL
N.T.S.

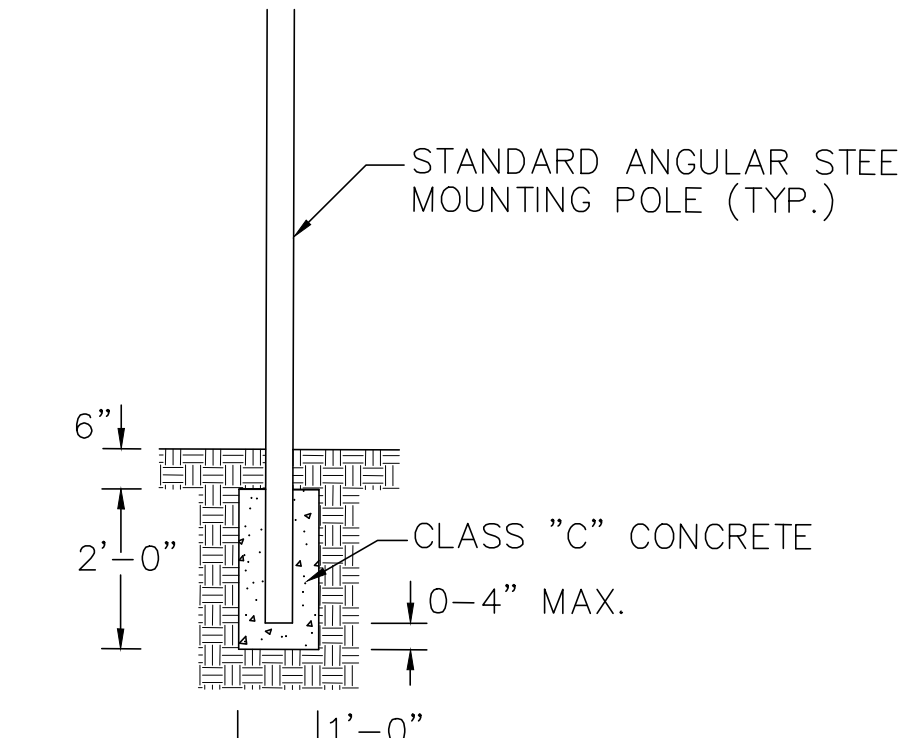


WATER MAIN TRENCH DETAIL
N.T.S.

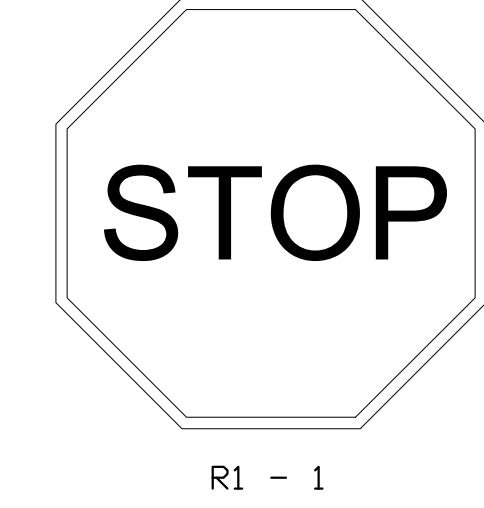
- NOTE:
- WATER MAIN SHALL BE CLASS 52 DUCTILE IRON PIPE AND SHALL BE DOUBLE CEMENT LINED.



DUMPSTER PAD W/ 6' HT FENCE
N.T.S.



SIGN POST FOOTING DETAIL
N.T.S.



R1 - 1

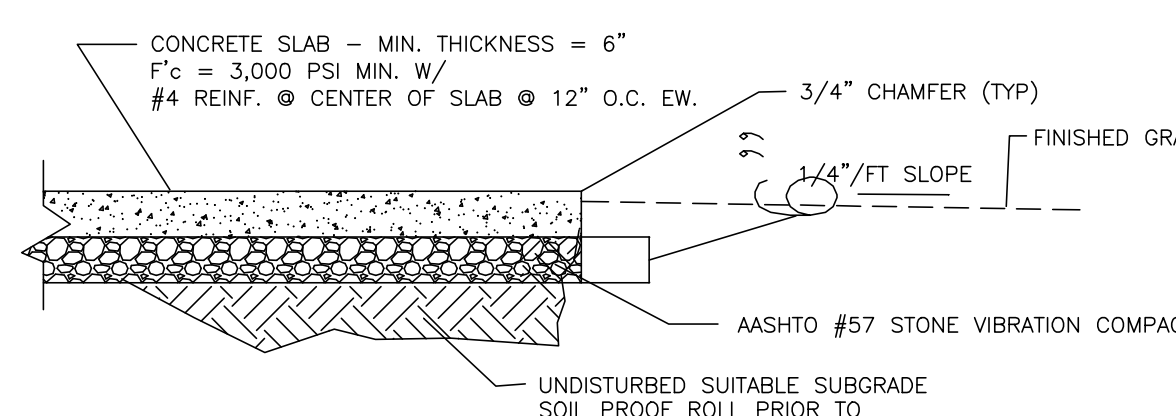


R5 - 1



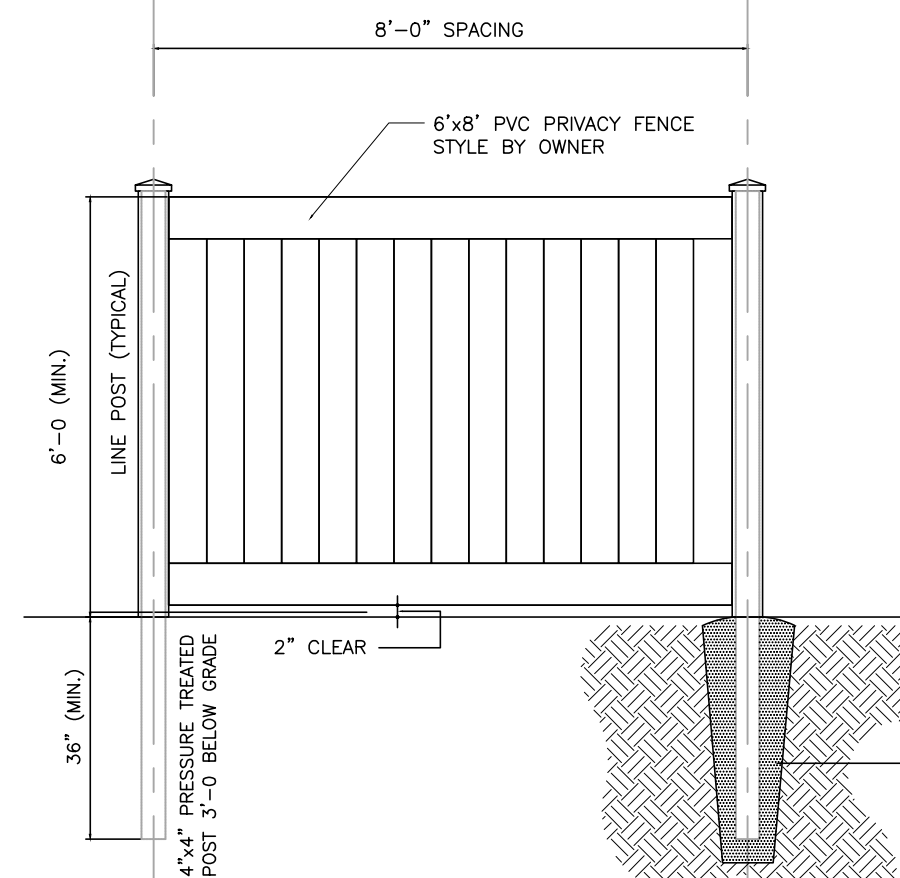
R6 - 1

(L or R)
R6 - 1



CONCRETE PAD DETAIL
NOT TO SCALE

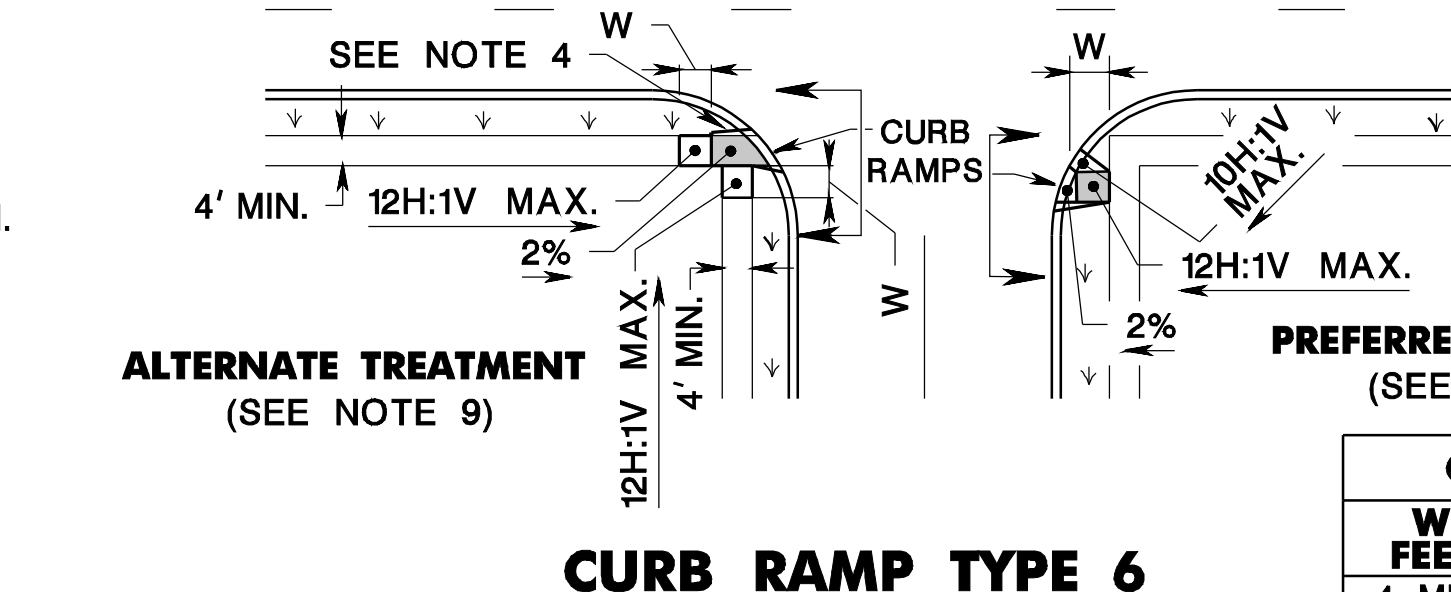
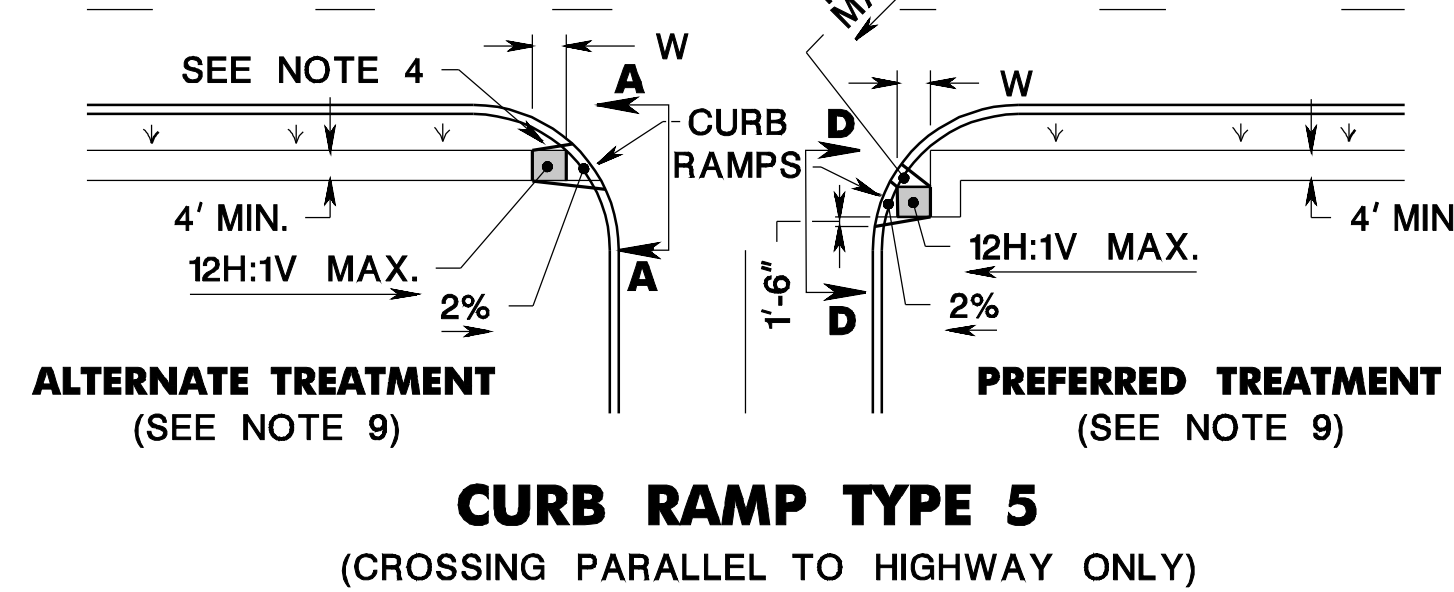
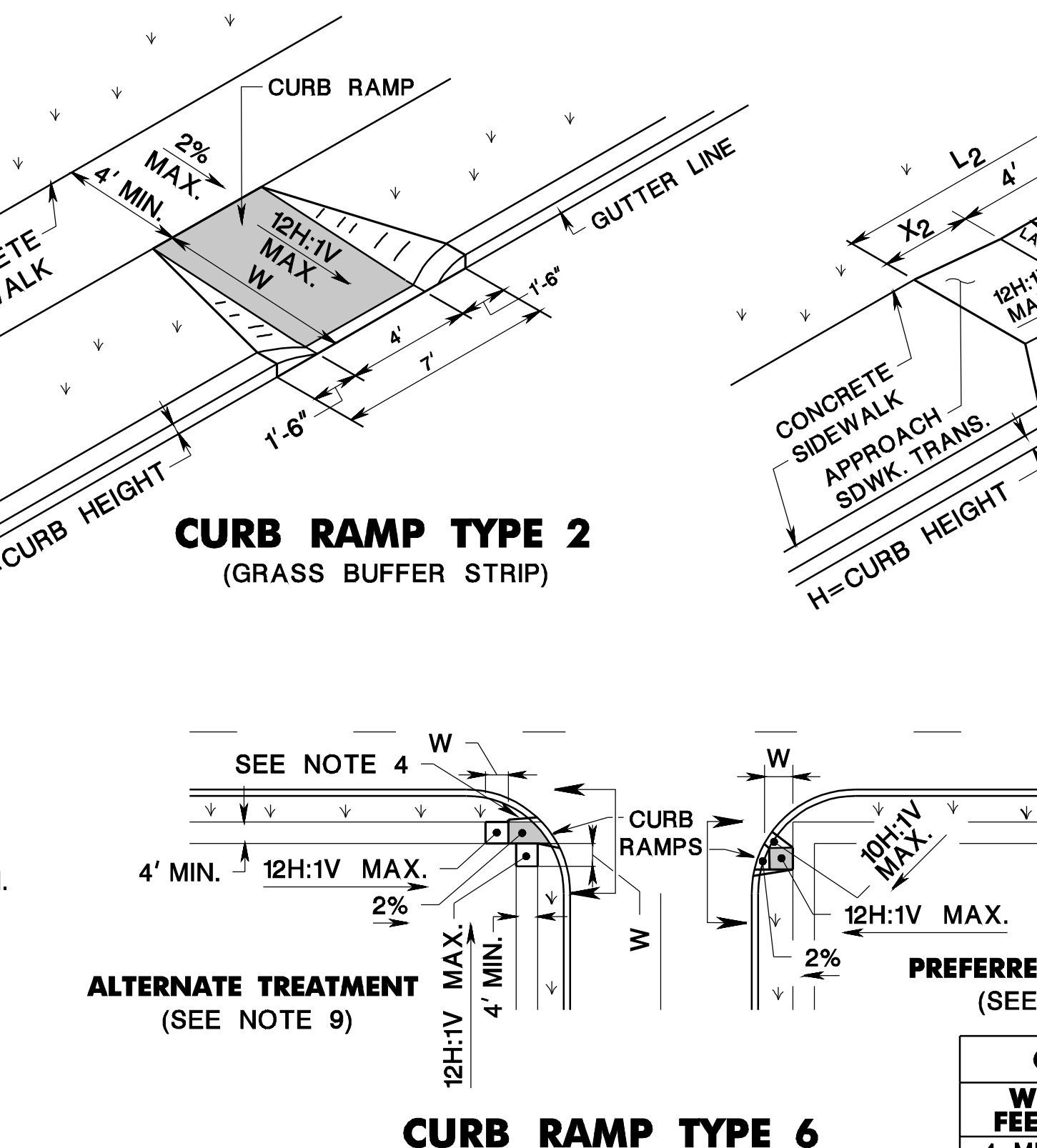
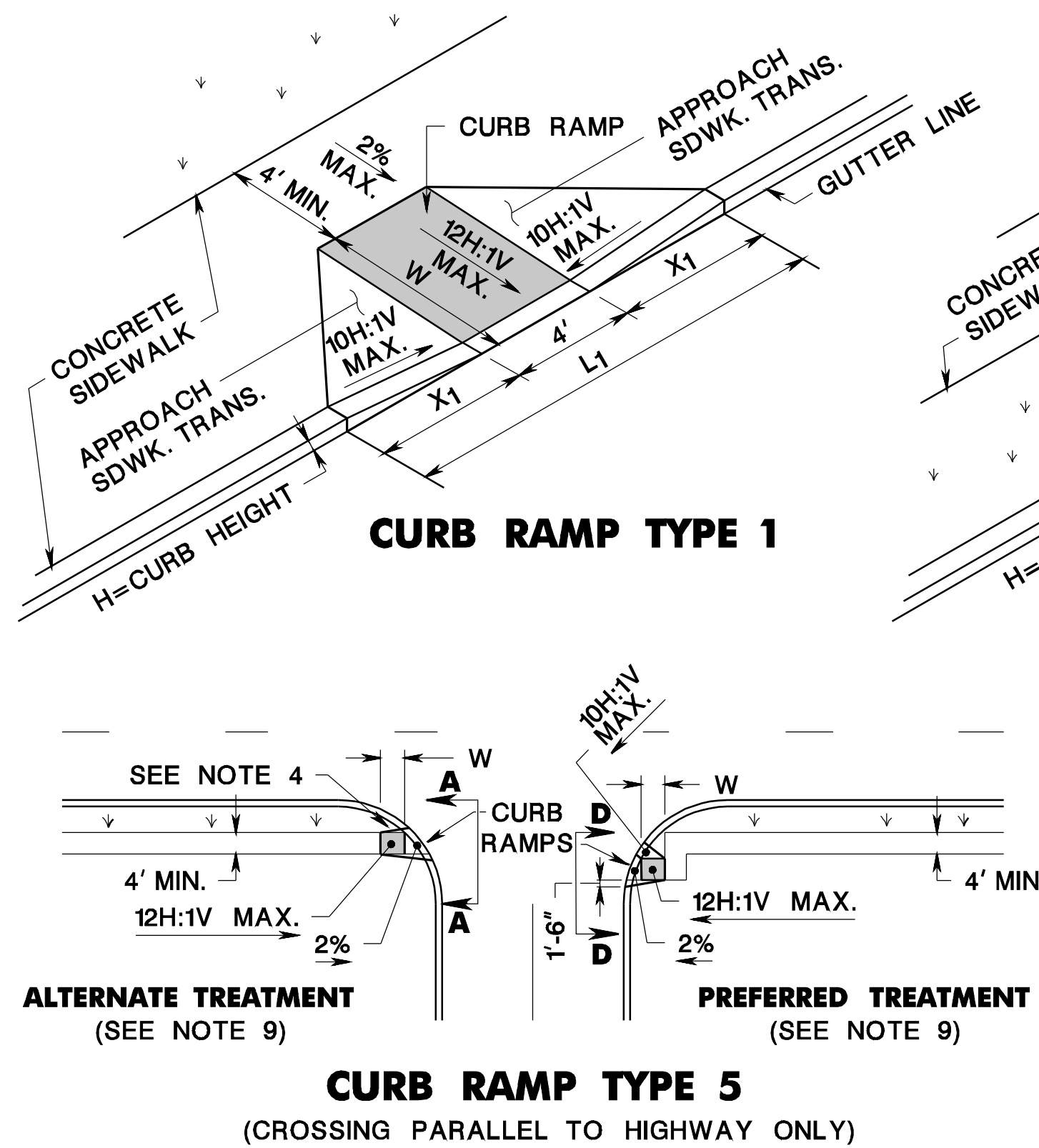
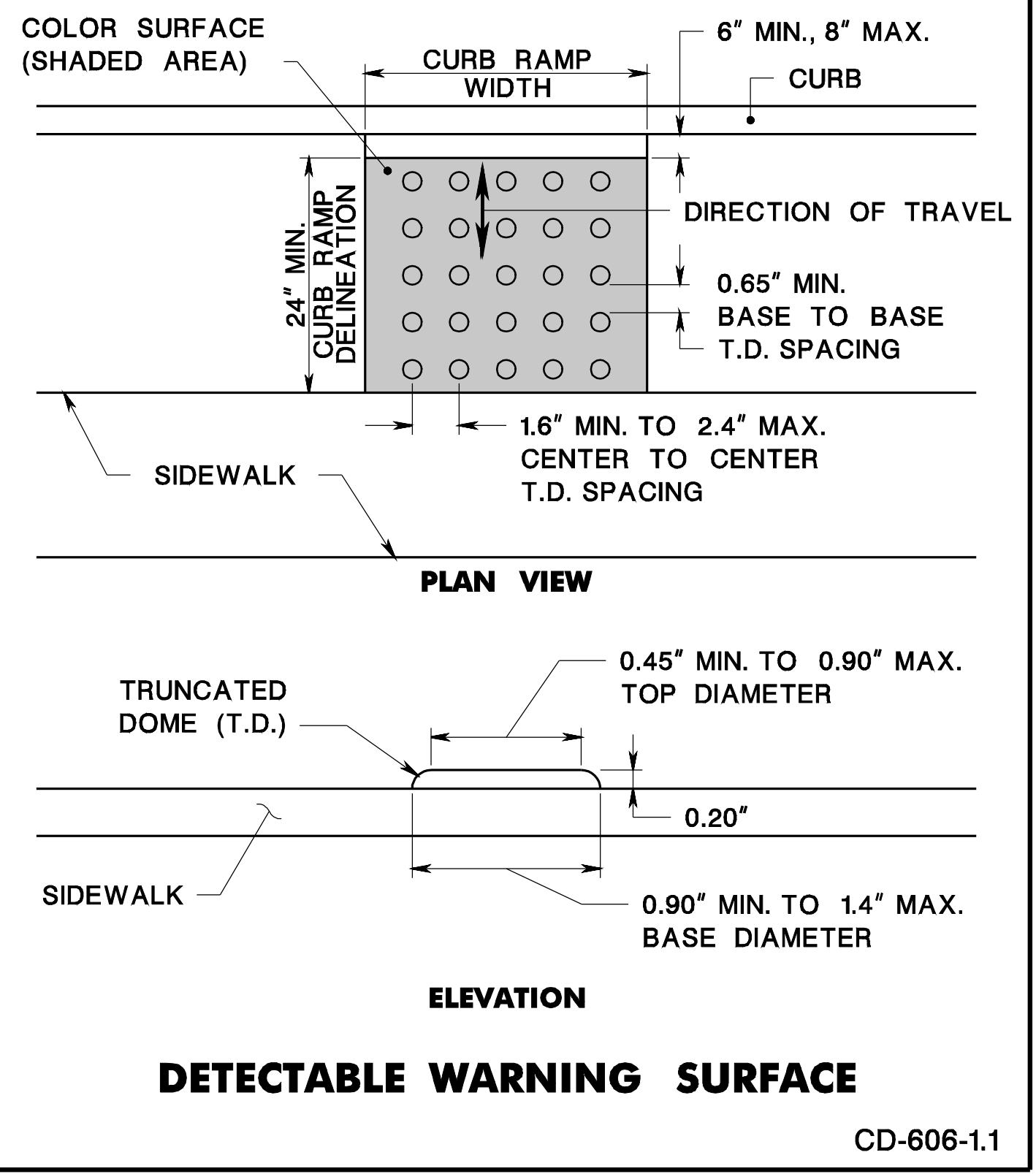
DUMPSTER PAD DETAILS
NOT TO SCALE



6' HIGH PVC PRIVACY FENCE DETAIL
NO SCALE

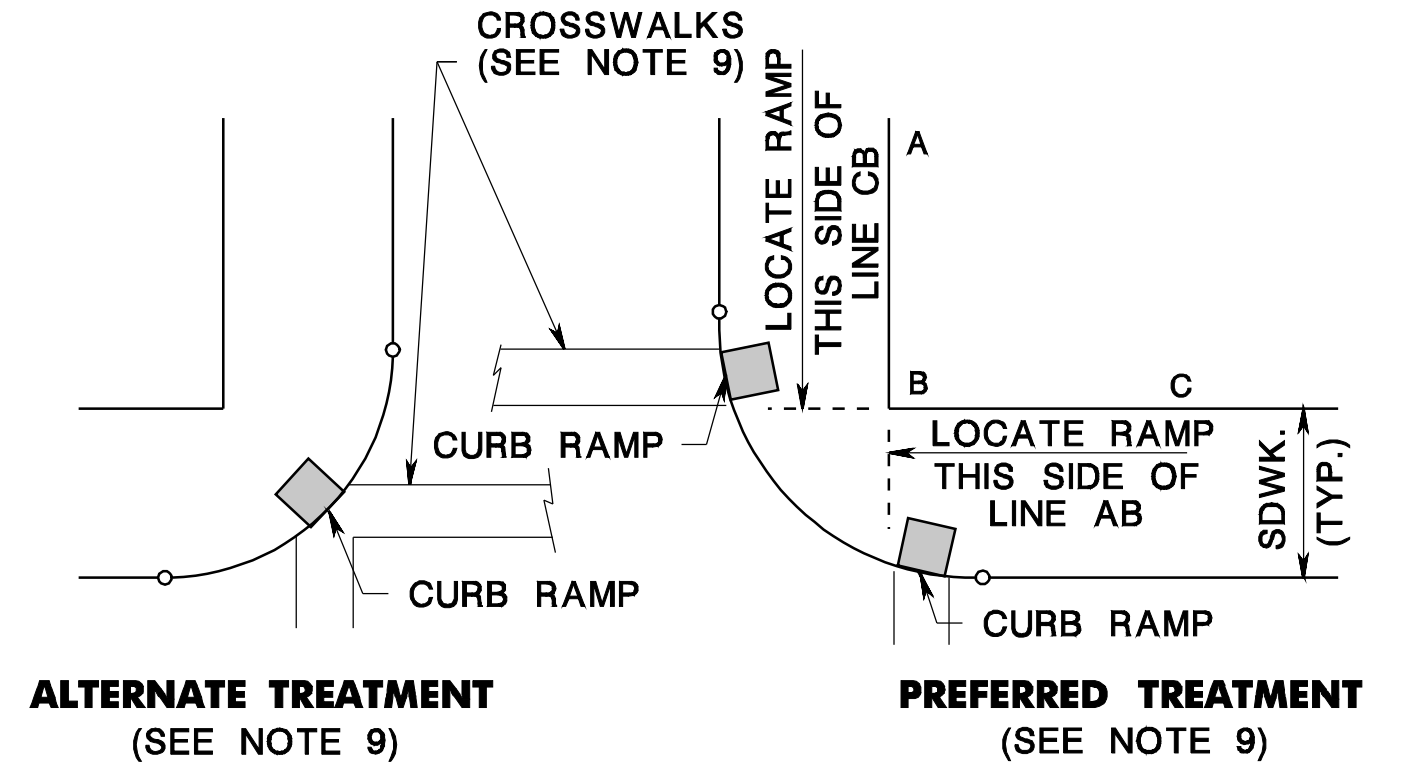
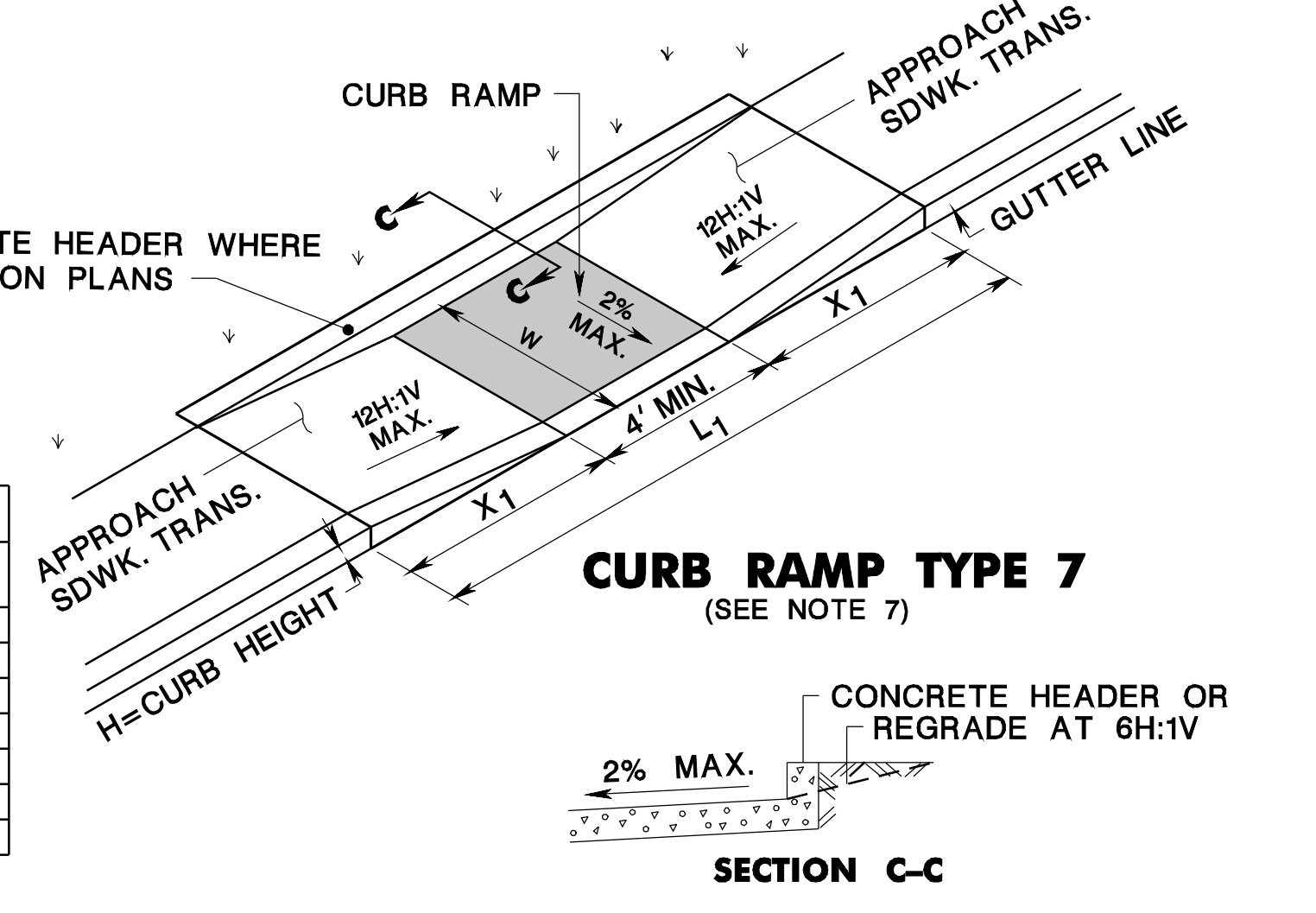
| NO. | DATE | REVISIONS |
|--|-----------------|-----------|
| CONSTRUCTION DETAILS | | |
| FOR | | |
| LOT 2 - BLOCK 15.147 | | |
| 3200 LONG BEACH BOULEVARD | | |
| OCEAN COUNTY NEW JERSEY | | |
| THIS DRAWING NOT VALID UNLESS SIGNED AND SEALED BY ENGINEER | | |
| DONOHUE ENGINEERING, LLC 210 SUMMIT AVE. SUITE C3 MONTVALE, NJ 07645 TEL. (201) 444-6500 DONOHUEENGINEERING.COM CERTIFICATE OF AUTHORIZATION NO. 246A28282000 | | 2022LBI |
| Date: 12/23/22 | Drawn by: TED | 6 |
| Scale: 1" = 10' | Checked by: TED | |
| THOMAS E. DONOHUE NJ PROFESSIONAL ENGINEER #CE36598 | | 7 |

pen table= \\N:\dotprj\pws\project\NJDOTEng\Plot\TBLs\Roadway\basic.tbl
 scale= 30.0000000:1.0000000
 date= 17-DEC-2007 09:45
 ID= TPXBHAV
 BDC0703 ORIGINAL SHEET



CURB RAMP TYPE 7

| W FEET | H INCHES | X1 FEET | L1 FEET |
|--------|----------|---------|---------|
| 4 MIN. | 3 | 3 | 11 |
| | 4 | 4 | 13 |
| | 5 | 5 | 15 |
| | 6 | 6 | 17 |
| | 7 | 7 | 19 |
| | 8 | 8 | 21 |
| 6 MAX. | 9 | 9 | 23 |



CURB RAMP TYPE 1

| H INCHES | X1 FEET | L1 FEET | W FEET |
|----------|---------|---------|--------|
| 3 | 2.5 | 9.0 | 3 |
| 4 | 3.3 | 10.6 | 4 |
| 5 | 4.2 | 12.4 | 5 |
| 6 | 5.0 | 14.0 | 6 |
| 7 | 5.8 | 15.6 | 7 |
| 8 | 6.7 | 17.4 | 8 |
| 9 | 7.5 | 19.0 | 9 |

CURB RAMP TYPE 2, 5 OR 6

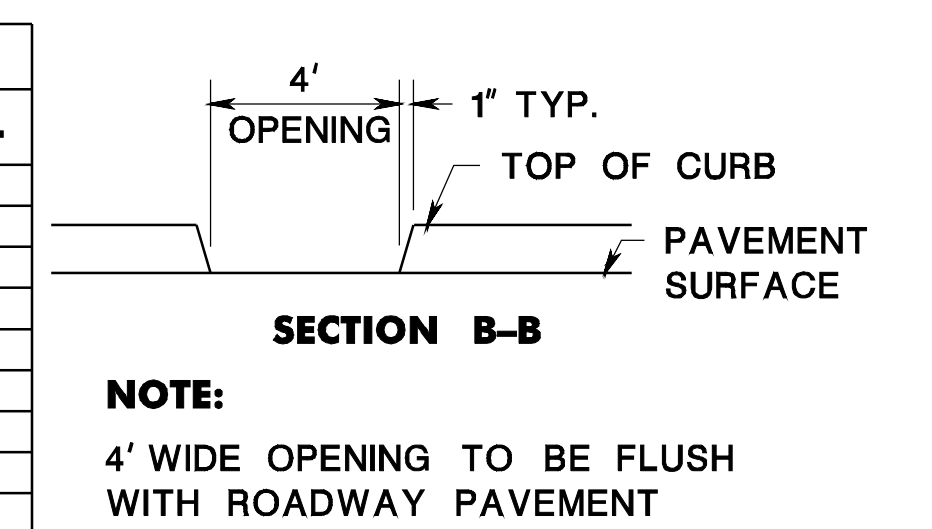
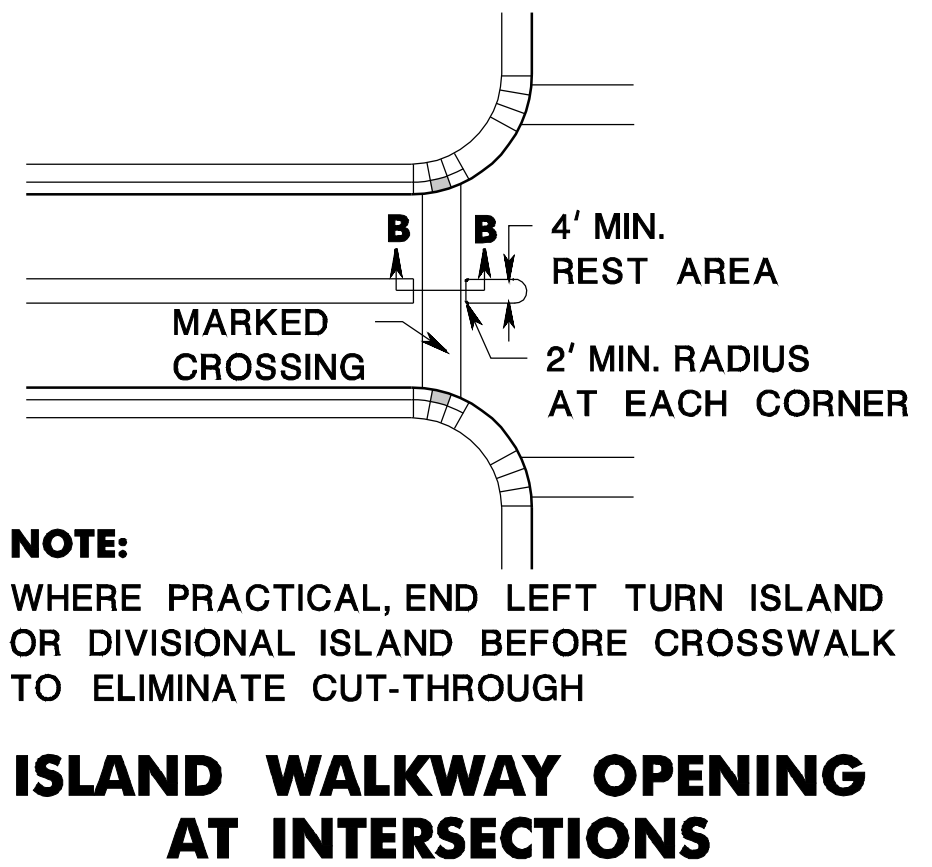
| H INCHES | W FEET |
|----------|--------|
| 3 | 3 |
| 4 | 4 |
| 5 | 5 |
| 6 | 6 |
| 7 | 7 |
| 8 | 8 |
| 9 | 9 |

CURB RAMP TYPE 3

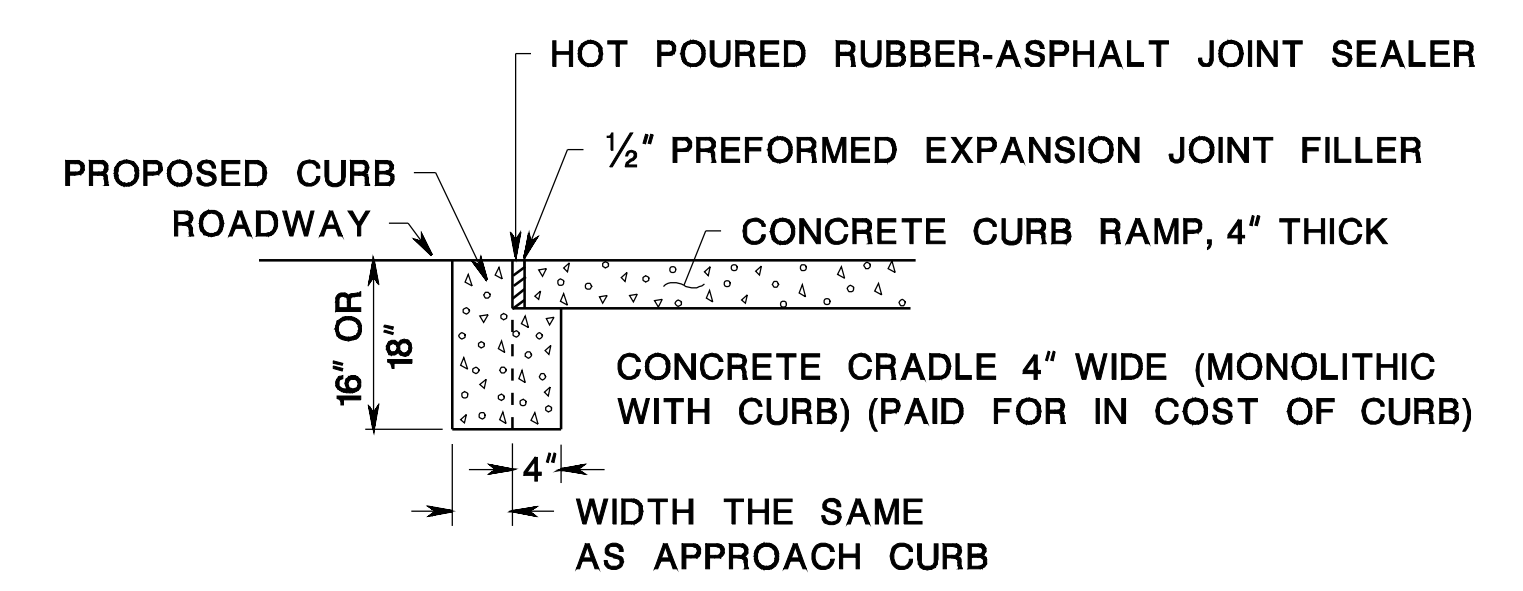
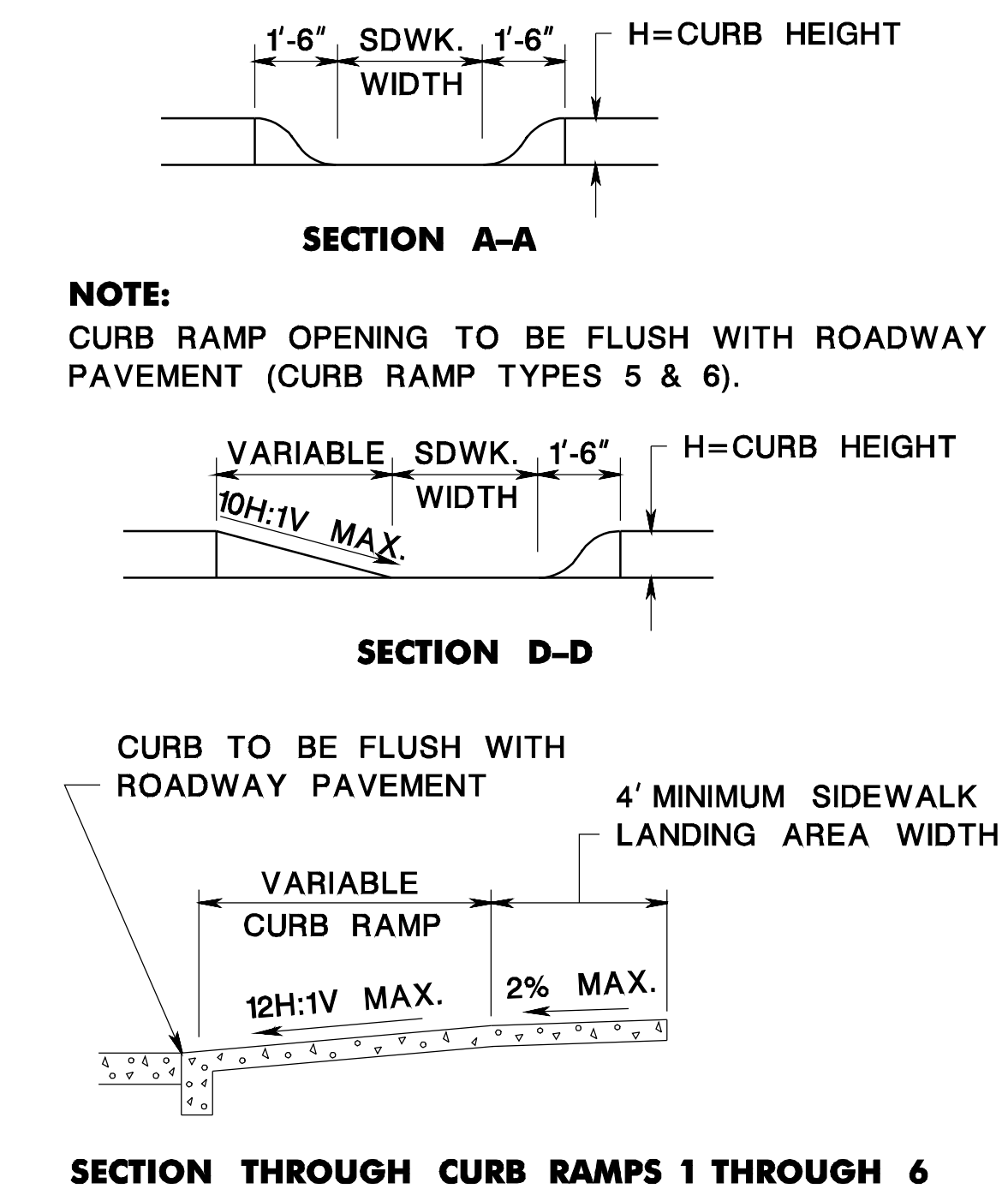
| W FEET | H INCHES | X1 FEET | L1 FEET | Y INCHES | X2 FEET | L2 FEET |
|--------|----------|---------|---------|----------|---------|---------|
| 2.5 | 3 | 2.5 | 9 | 2.5 | 0.5 | 5 |
| | 4 | 3.3 | 10.6 | 2.5 | 1.5 | 7 |
| | 5 | 4.2 | 12.4 | 2.5 | 2.5 | 9 |
| | 6 | 5.0 | 14.0 | 2.5 | 3.5 | 11 |
| | 7 | 5.8 | 15.6 | 2.5 | 4.5 | 13 |
| | 8 | 6.7 | 17.4 | 2.5 | 5.5 | 15 |
| | 9 | 7.5 | 19.0 | 2.5 | 6.5 | 17 |
| 3.0 | 3 | * | * | * | * | * |
| | 4 | 3.3 | 10.6 | 3.0 | 1 | 6 |
| | 5 | 4.2 | 12.4 | 3.0 | 2 | 8 |
| | 6 | 5.0 | 14.0 | 3.0 | 3 | 10 |
| | 7 | 5.8 | 15.6 | 3.0 | 4 | 12 |
| | 8 | 6.7 | 17.4 | 3.0 | 5 | 14 |
| | 9 | 7.5 | 19.0 | 3.0 | 6 | 16 |
| 3.5 | 3 | * | * | * | * | * |
| | 4 | 3.3 | 10.6 | 3.5 | 0.5 | 5 |
| | 5 | 4.2 | 12.4 | 3.5 | 1.5 | 7 |
| | 6 | 5.0 | 14.0 | 3.5 | 2.5 | 9 |
| | 7 | 5.8 | 15.6 | 3.5 | 3.5 | 11 |
| | 8 | 6.7 | 17.4 | 3.5 | 4.5 | 13 |
| | 9 | 7.5 | 19.0 | 3.5 | 5.5 | 15 |
| 4.0 | 3 | * | * | * | * | * |
| | 4 | * | * | * | * | * |
| | 5 | 4.2 | 12.4 | 4.0 | 1 | 6 |
| | 6 | 5.0 | 14.0 | 4.0 | 2 | 8 |
| | 7 | 5.8 | 15.6 | 4.0 | 3 | 10 |
| | 8 | 6.7 | 17.4 | 4.0 | 4 | 12 |
| | 9 | 7.5 | 19.0 | 4.0 | 5 | 14 |

CURB RAMP TYPE 4

| W FEET | H INCHES | Y INCHES | X2 FEET | L2 FEET |
|--------|----------|----------|---------|---------|
| 2.5 | 3 | 2.5 | 0.5 | 5 |
| | 4 | 2.5 | 1.5 | 7 |
| | 5 | 2.5 | 2.5 | 9 |
| | 6 | 2.5 | 3.5 | 11 |
| | 7 | 2.5 | 4.5 | 13 |
| | 8 | 2.5 | 5.5 | 15 |
| | 9 | 2.5 | 6.5 | 17 |
| 3.0 | 3 | ** | ** | ** |
| | 4 | 3.0 | 1 | 6 |
| | 5 | 3.0 | 2 | 8 |
| | 6 | 3.0 | 3 | 10 |
| | 7 | 3.0 | 4 | 12 |
| | 8 | 3.0 | 5 | 14 |
| | 9 | 3.0 | 6 | 16 |
| 3.5 | 3 | ** | ** | ** |
| | 4 | 3.5 | 0.5 | 5 |
| | 5 | 3.5 | 1.5 | 7 |
| | 6 | 3.5 | 2.5 | 9 |
| | 7 | 3.5 | 3.5 | 11 |
| | 8 | 3.5 | 4.5 | 13 |
| | 9 | 3.5 | 5.5 | 15 |
| 4.0 | 3 | ** | ** | ** |
| | 4 | ** | ** | ** |
| | 5 | 4.0 | 1 | 6 |
| | 6 | 4.0 | 2 | 8 |
| | 7 | 4.0 | 3 | 10 |
| | 8 | 4.0 | 4 | 12 |
| | 9 | 4.0 | 5 | 14 |



- LANDING AREA, APPROACH SIDEWALK TRANSITIONS, AND CURB RAMP SHALL BE KEPT CLEAR OF OBSTRUCTIONS.
- DIMENSIONS SHOWN IN TABLES ARE FOR RELATIVELY FLAT SIDEWALK AREAS. CARE SHOULD BE TAKEN WHEN DETERMINING CURB RAMP SIZE BASED ON CURB HEIGHT (H) WHERE ELEVATION OF CURB AND SIDEWALK VARY DRASTICALLY IN AREA OF PROPOSED CURB RAMP.
- CURB (DROPPED CURB) GUTTERLINE TO BE FLUSH WITH ROADWAY PAVEMENT A MINIMUM OF 4 FEET AT ALL CURB RAMP.
- FOR CURB RAMP TYPES 5 AND 6, IF A GRASS BUFFER DOES NOT EXIST, SLOPE CURB TO EQUAL SLOPE OF ADJACENT CURB RAMP.
- SIDEWALK AND CURB RAMP WITHIN AREA ENCLOSED BY HEAVY LINES TO BE PAID FOR AS CONCRETE SIDEWALK OF THE APPROPRIATE ADJACENT THICKNESS.
- CURB AND HEADER WITHIN AREA ENCLOSED BY HEAVY LINES TO BE PAID FOR AS VERTICAL CURB OR SLOPING CURB OF THE APPROPRIATE ADJACENT SIZE AND KIND.
- WHERE THE DISTANCE FROM THE GUTTER LINE TO THE OUTSIDE EDGE OF SIDEWALK IS 6 FEET OR LESS, CURB RAMP TYPE 7 SHOULD BE USED, INSTEAD OF CURB RAMP TYPE 1 THROUGH 4.
- CROSSWALKS AND STOP LINES MAY BE MARKED OR UNMARKED, SEE PLANS.
- PREFERRED AND ALTERNATE TREATMENTS SHOULD NOT BE INTERMIXED WITHIN THE SAME INTERSECTION.
- DIMENSIONS SHOWN IN TABLES ARE FOR 3 INCH TO 9 INCH CURB HEIGHTS. WHERE THE CURB HEIGHTS ARE OTHER THAN WHAT IS PROVIDED IN THE TABLES, THE DIMENSIONS OF THE RAMPS WILL HAVE TO BE CALCULATED BASED ON CROSS SLOPES SHOWN.



PUBLIC SIDEWALK CURB RAMP DETECTABLE WARNING SURFACE
 N.T.S.
 HMA = HOT MIX ASPHALT
 CD-606-1

NEW JERSEY DEPARTMENT OF TRANSPORTATION
CONSTRUCTION DETAILS

CURB RAMPS

CD-606-1.2