

WILLS HOLE THOROUGHFARE

EASTERLY 62'+/-
ALONG LOW WATER LINE
N 01'03'16" W 36.24'

N 71'58'35" E 409.34'

90.21'
S 59'01'16" E

S 58'55'16" E 178.20'

S 58'55'16" E 12.25'

N 82'35'44" E 140.49'

PROPOSED RESTAURANT
FF=7.50 (GARAGE)

EXISTING 1 STORY SEAFOOD
TRANSFER & PACKING FACILITY
(TO REMAIN)
21,952 S.F.

PROPOSED 18,000 GALLON
FUEL TANK

1 STORY
MASONRY BUILDING
(TO REMAIN)
FF=9.4

PROPOSED SHIPPING OFFICE
14'x14' (196 S.F.)

PROPOSED SHIPPING DOCK
14'x46' (644 S.F.)

PROPOSED OFFICE
ON NEW 2ND STORY
(2,900 S.F.)

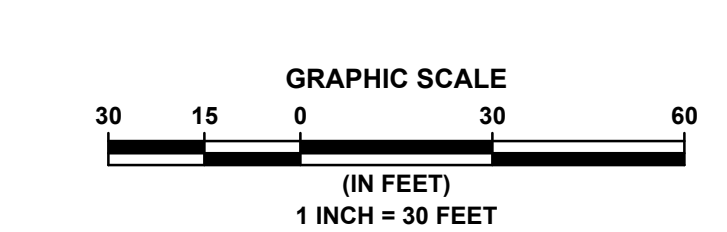
PROPOSED HOTEL
F.F.=7.0

S 88'56'44" W 668.89'
CHANNEL DRIVE
(50' R.O.W., 40'+/- PAVED)

BALTIMORE AVENUE
(60' R.O.W., 40'+/- PAVED)

CHICAGO AVENUE
(60' R.O.W.)

BALTIMORE AVENUE
(60' R.O.W., 40'+/- PAVED)



ATLANTIC CAPES FISHERIES
BLOCK 166 - LOTS 9 & 10 BLOCK 171 - LOT 9
BLOCK 173 - LOTS 1, 2, & 2.01
TAX MAP SHEET #7 & 9
BOROUGH OF POINT PLEASANT BEACH OCEAN COUNTY NEW JERSEY
MAJOR SITE PLAN
LANDSCAPE AND LIGHTING PLAN

DW Smith
Associates, LLC
Greenengineering
149 YELLOWBROOK ROAD SUITE 101 FARMINGDALE, NJ 07727
(732)363-5850 WWW.DWSMITH.COM
ENGINEERS * PLANNERS * SURVEYORS
ENVIRONMENTAL SERVICES * COMMUNITY ASSN. SERVICES * LANDSCAPE ARCHITECTS
NJ CERTIFICATE OF AUTHORIZATION 24G28122400

THIS DRAWING ONLY VALID FOR CONSTRUCTION OF
LANDSCAPE AND LIGHTING
ALL OTHER DATA FOR INFORMATION PURPOSES ONLY

PROJECT No.:	13-48200
DATE:	AUGUST 1, 2014
DESIGNED BY:	SCALE: 1"=30'
A.T.	
DRAWN BY:	REVIEWED BY:
N.A.S.	T.P.L.
SHEET:	5 OF 8

DATE	No.	BY	DESCRIPTION
			REVISIONS

Plotfile: 10/01/14 - 3:51 PM, B3, kshaban
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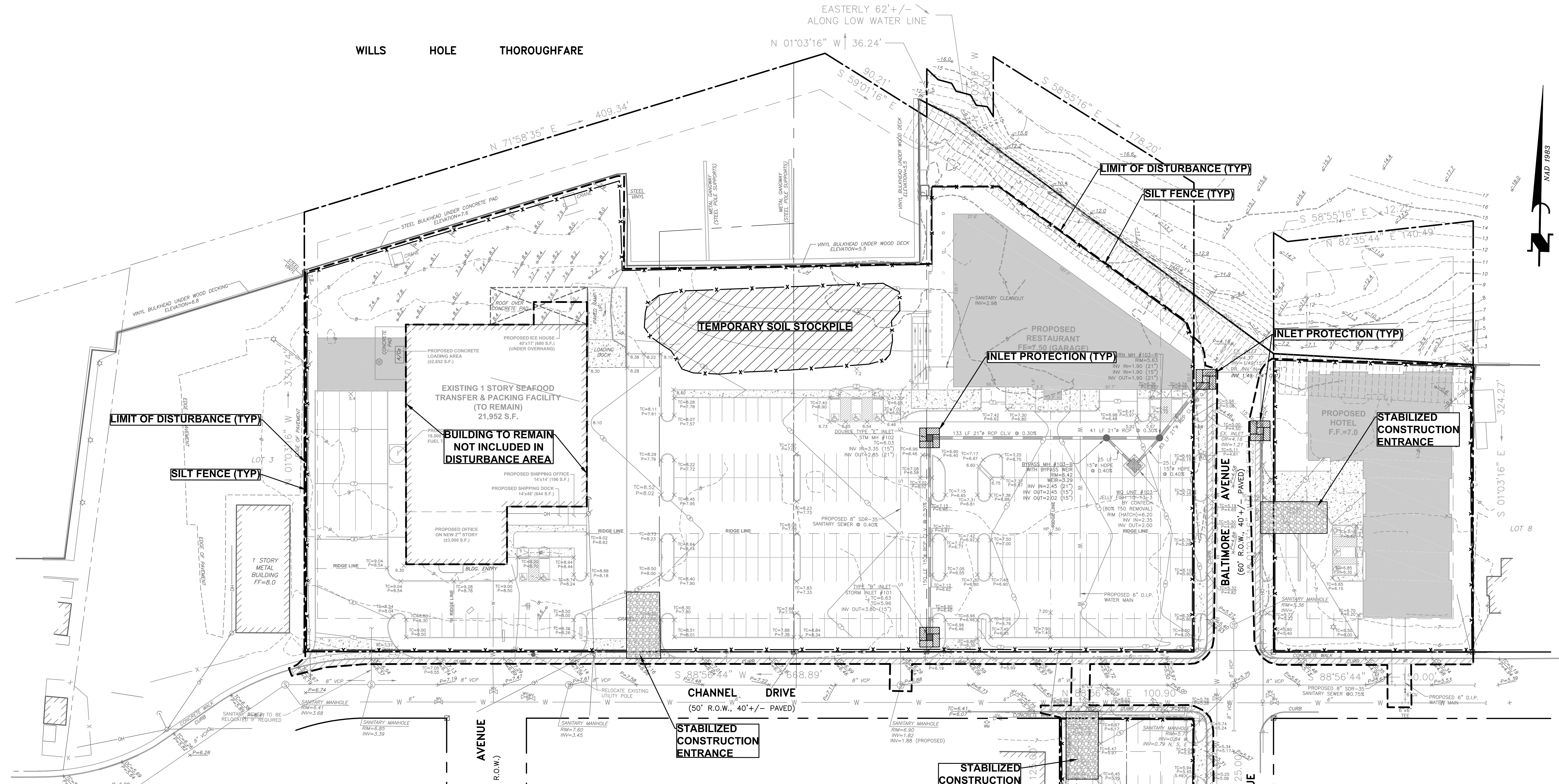
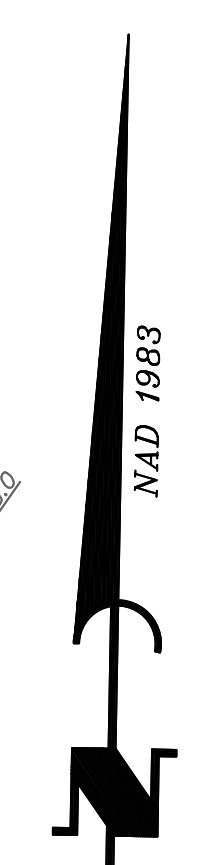
WILLS HOLE THOROUGHFARE

EASTERLY 62' +/- ALONG LOW WATER LINE
N 01'03'16" W 36.24'

N 71'58'35" E 409.34'

S 59'01'16" E

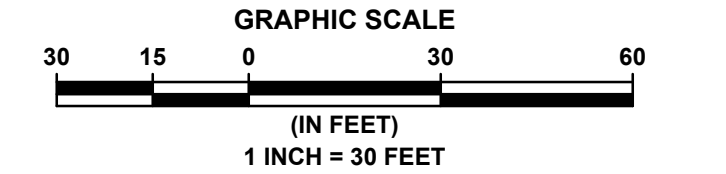
S 58'55'16" E 178.20'



TOTAL LIMIT OF DISTURBANCE
AREA = 5.07 AC.
(221,090 SF)

LEGEND

LIMIT OF DISTURBANCE	---
SILT FENCE	-x-
INLET PROTECTION	■
SOIL STOCKPILE AREA	▨



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**SOIL EROSION
AND SEDIMENT CONTROL**
ALL OTHER DATA FOR INFORMATION PURPOSES ONLY

ATLANTIC CAPES FISHERIES
BLOCK 166 - LOTS 9 & 10 BLOCK 171 - LOT 9 BLOCK 172 - LOTS 1, 5, & 5.01
BLOCK 173 - LOTS 1, 2, & 2.01
TAX MAP SHEET #7 & 9

BOROUGH OF POINT PLEASANT BEACH OCEAN COUNTY NEW JERSEY

**MAJOR SITE PLAN
SOIL EROSION & SEDIMENT CONTROL
PLAN**

DW Smith
Associates, LLC
Greenengineering

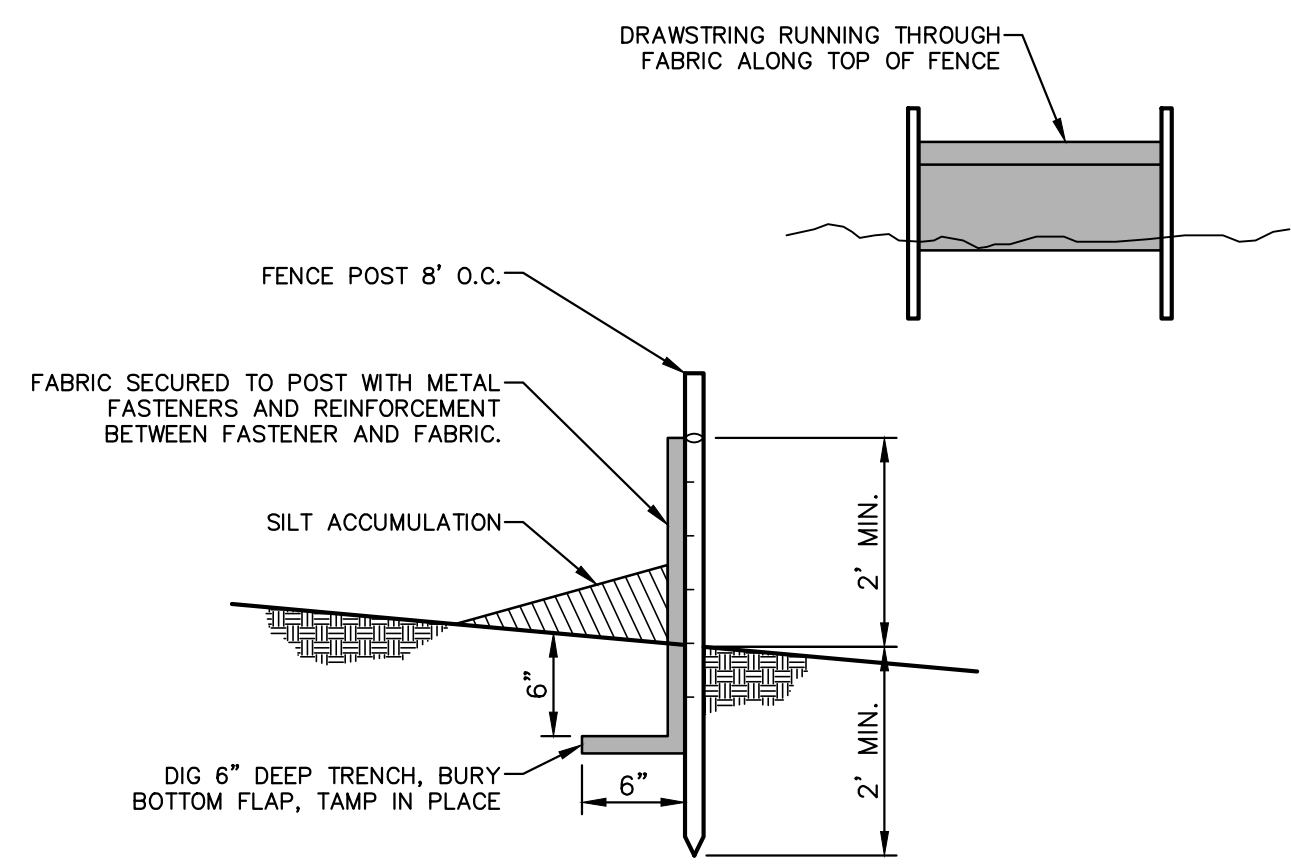
149 YELLOWBROOK ROAD SUITE 101 FARMINGDALE, NJ 07727 (732)363-5850 WWW.DWSMITH.COM

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ENVIRONMENTAL SERVICES • COMMUNITY ASSN. SERVICES • LANDSCAPE ARCHITECTS
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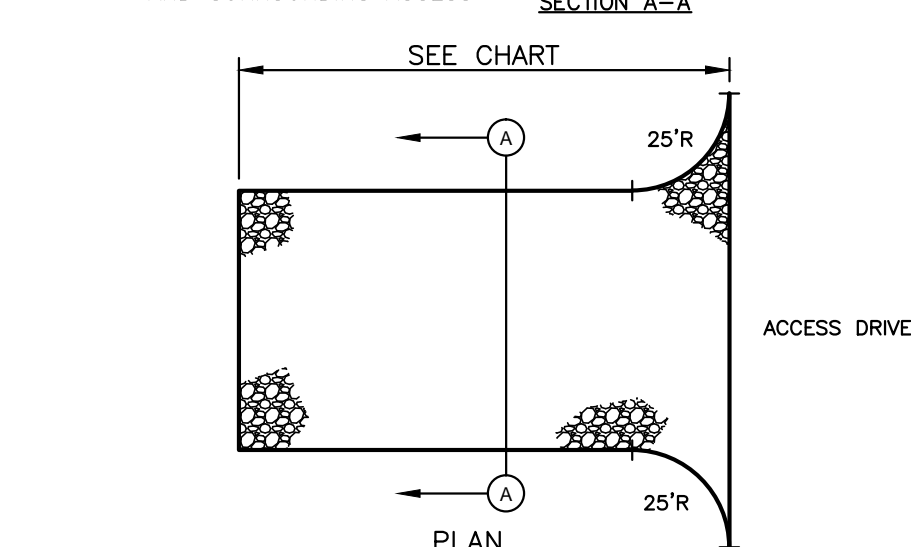
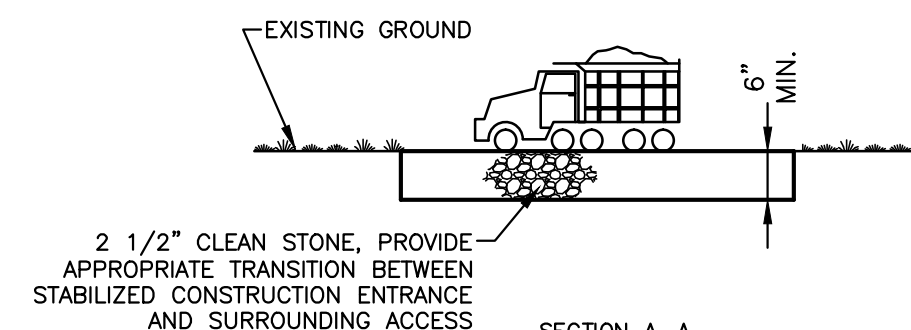
PROJECT No.:	13-48200
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A.T.	
DRAWN BY:	REVIEWED BY:
L.S.W.	T.P.L.
SHEET:	6 OF 8

DATE	No.	BY	DESCRIPTION
			REVISIONS

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SILT FENCE DETAIL
SCALE: N.T.S.

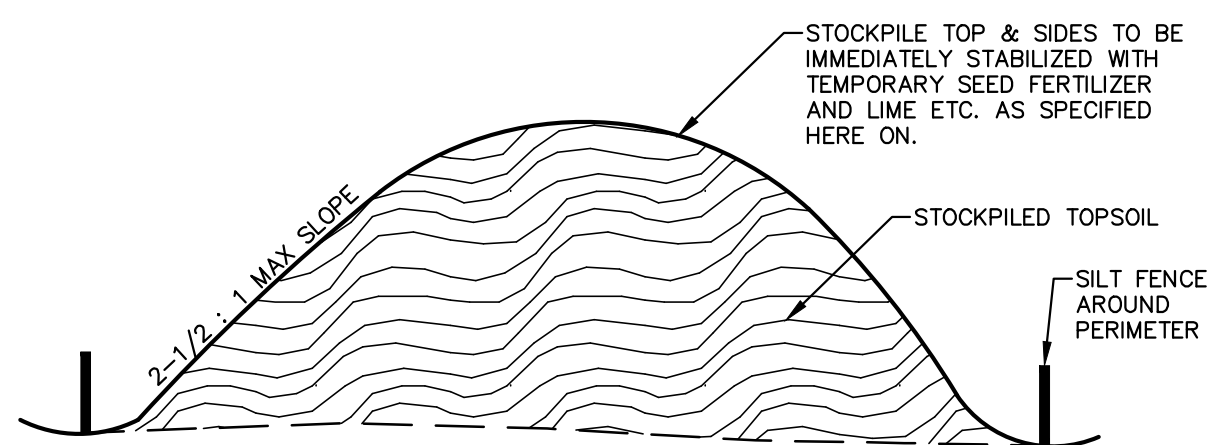


MAINTENANCE:
1. STABILIZED CONSTRUCTION ENTRANCE THICKNESS SHALL BE CONSTANTLY MAINTAINED TO THE SPECIFIED DIMENSIONS BY ADDING ROCK. AT THE END OF EACH CONSTRUCTION DAY, ALL SEDIMENT DEPOSITED ON PAVED ROADWAYS OR ACCESS DRIVES SHALL BE REMOVED AND RETURNED TO THE CONSTRUCTION SITE. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO ROADWAYS (PUBLIC OR PRIVATE) OR OTHER IMPERVIOUS SURFACES MUST BE REMOVED IMMEDIATELY.

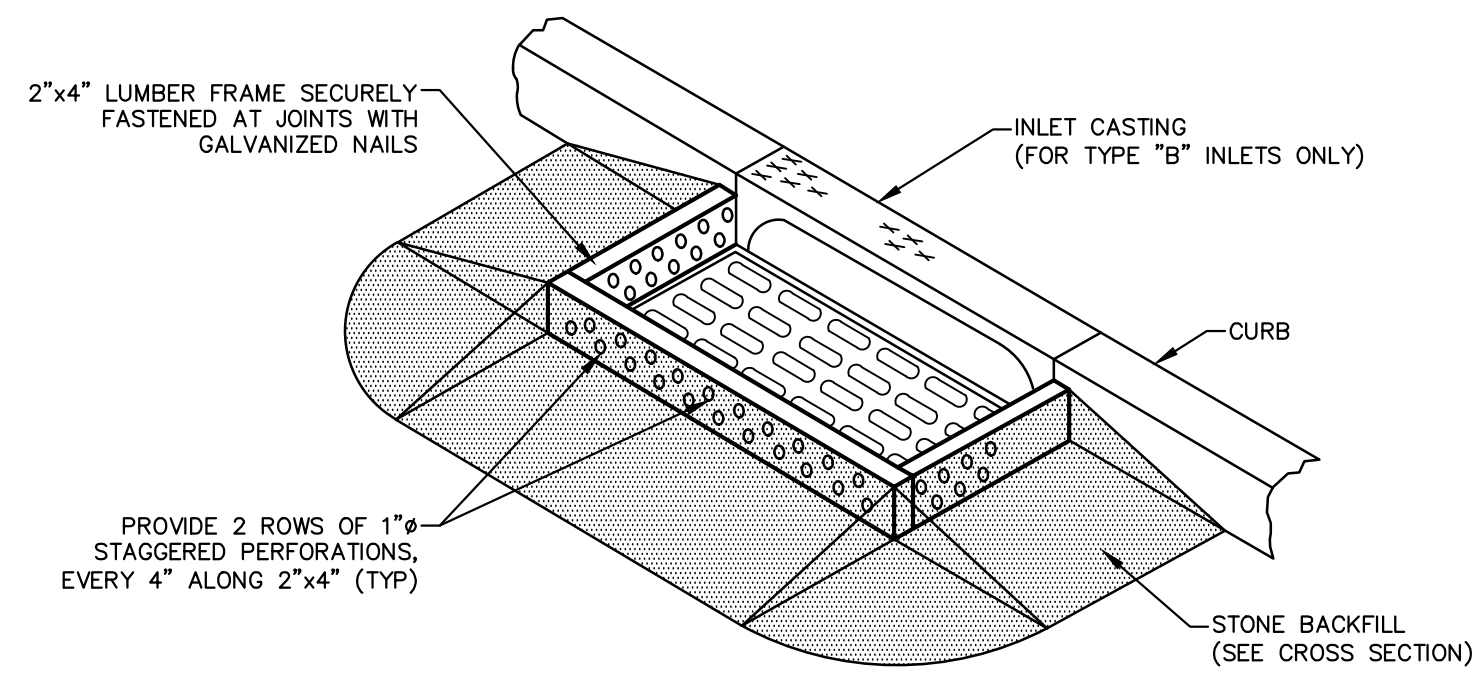
PERCENT SLOPE OF ROADWAY	LENGTH OF ROADWAY	
	COARSE GRAINED SOILS	FINE GRAINED SOILS
0% TO 2%	50 FT.	100 FT.
2% TO 5%	100 FT.	200 FT.
>5%	ENTIRE SURFACE STABILIZED WITH FABC BASE COURSE ¹	

1. AS PRESCRIBED BY LOCAL ORDINANCE OR OTHER GOVERNING AUTHORITY.

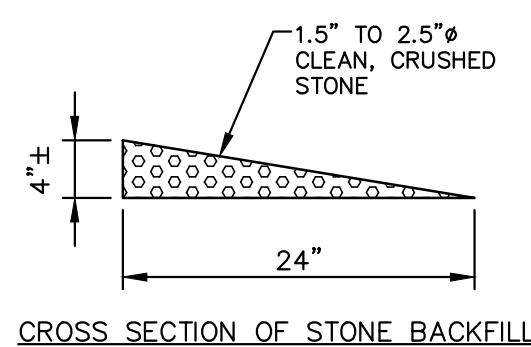
STABILIZED CONSTRUCTION ENTRANCE DETAIL
SCALE: N.T.S.



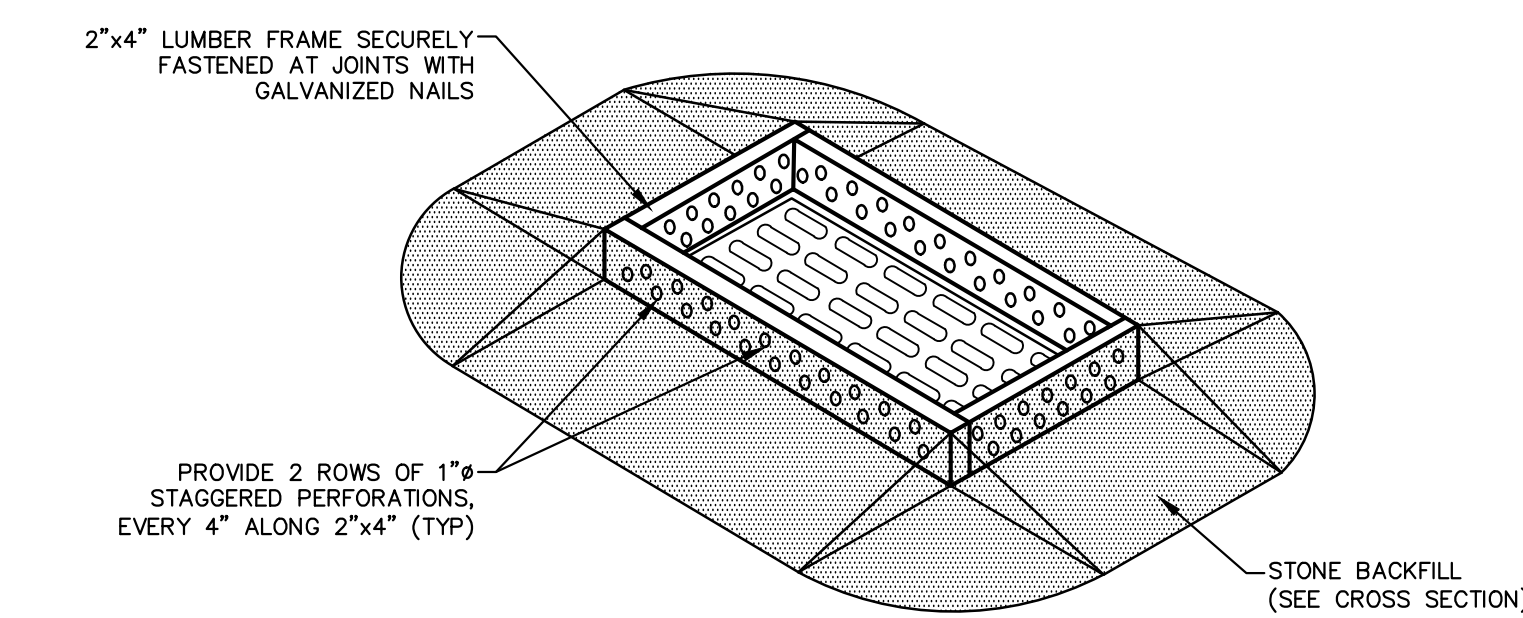
STOCKPILE AREA
SCALE: N.T.S.



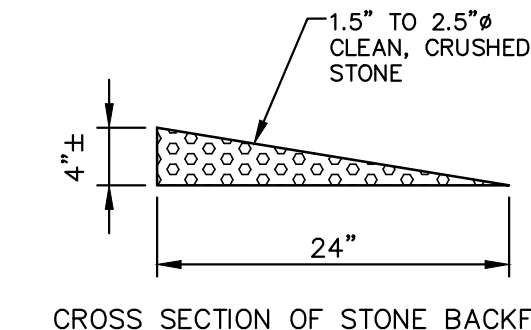
NOTES:
1. INLET PROTECTION SHOULD NOT COMPLETELY CLOSE OFF THE INLET.
2. INSPECTION AND MAINTENANCE SHALL BE MADE FREQUENTLY AND PROMPTLY.
3. UPON COMPLETION OF THE PROJECT, THE INLET FILTRATION DEVICE SHALL BE REMOVED AND THE SURROUNDING AREA CLEANED, PROVIDED THAT THE UPSTREAM AREAS ARE COMPLETELY STABILIZED.



INLET INFILTRATION DEVICE
SCALE: N.T.S. CURB INLET TYPE



NOTES:
1. INLET PROTECTION SHOULD NOT COMPLETELY CLOSE OFF THE INLET.
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INLET INFILTRATION DEVICE
SCALE: N.T.S. NON-CURB INLET TYPE

SEQUENCE OF CONSTRUCTION

- ACTIVITY
1. INSTALL STONE CONSTRUCTION ENTRANCE AT ACCESS POINTS & INSTALL SILT FENCE
 2. DEMOLISH EXISTING STRUCTURES AS REQUIRED
 3. STRIP TOPSOIL AND STOCKPILE, STABILIZE STOCKPILES IN ACCORDANCE WITH TEMPORARY STABILIZATION STANDARDS. PROVIDE SILT FENCE AROUND STOCKPILES.
 4. ROUGH GRADE SITE AND INSTALL TEMPORARY STABILIZATION AS REQUIRED PER THE SOIL EROSION AND SEDIMENT CONTROL NOTES.
 5. CONSTRUCT NEW BUILDINGS
 6. ROUGH GRADE PROPOSED PARKING LOTS
 7. INSTALL STORM DRAINAGE PIPES WITH INLETS AND MANHOLES
 8. INSTALL INLET PROTECTION
 9. CONSTRUCT UTILITIES AS REQUIRED
 10. CONSTRUCT CURBS AND SIDEWALKS
 11. PLACEMENT OF STONE SURFACES AND PAVEMENT BASE
 12. FINAL SITE GRADING AND INSTALL TEMPORARY STABILIZATION IN ACCORDANCE WITH THE SOIL EROSION AND SEDIMENT CONTROL NOTES
 13. INSTALL PERENNIAL SEEDING AND/OR SOD WITH LANDSCAPING
 14. INSTALL FINAL ROADWAY SURFACE
 15. REMOVE INLET PROTECTION, REMAINING SOIL EROSION AND SEDIMENT CONTROL DEVICES

PERMANENT STABILIZATION

SEEDING SCHEDULE

LAWN AND GENERAL AREA SEEDING

ALL AREAS NOT OCCUPIED BY BUILDINGS, PAVING, OR OTHER PLANT MATERIALS SHALL BE SODDED OR MANUALLY SEEDED.

OPEN SPACE SEED MIXTURE IS AS FOLLOWS:

PROPORTION BY WEIGHT	BOTANICAL NAME	COMMON NAME
40%	FESTUCA ARUNDINACEA	REBEL II TALL FESCUE
25%	FESTUCA RUBRA	CREeping RED FESCUE
25%	FESTUCA RUBRA "COMMUNTATA"	JAMESTOWN CHEWING FESCUE
10%	LOLIUM PERENNE	PERENNIAL RYEGRASS

THE SEED MIXTURE IS AS FOLLOWS:

SEED MIXTURE: 5LBS./1000 S.F.
STRAW/HAY MIXTURE: 1 1/2 - 2 TONS/ACRE

APPLY GROUND LIMESTONE AT A RATE OF 90 LBS./1000 S.F.

APPLY FERTILIZER 10-20-10 OR EQUAL, AT A RATE OF 14 LBS./1000 S.F. WORKED INTO SOIL A MINIMUM OF 4 INCHES.

SEED MIXTURES AND APPLICATION RATES MAY BE MODIFIED IN ACCORDANCE WITH THE BEST LOCAL PRACTICES SUBJECT TO THE LANDSCAPE ARCHITECT'S APPROVAL.

RECOMMENDED SEEDING DATES: APRIL 1 - MAY 31 OR AUGUST 16 - OCTOBER 14

Basin Seeding

ALL AREAS DESIGNATED AS STORMWATER BASINS SHALL BE SODDED OR MANUALLY SEEDED. DETENTION BASINS SHALL BE PERMANENTLY CONSTRUCTED AND STABILIZED BEFORE RUNOFF IS ALLOWED TO ENTER THE DRAINAGE SYSTEM.

Basin Seed Mixture is as follows:

PROPORTION BY WEIGHT	COMMON NAME
25%	DEERTONGUE
25%	REDTOP
25%	WILDRYE
25%	SWITCHGRASS

THE SEED MIXTURE IS AS FOLLOWS:

SEED MIXTURE: 5LBS./1000 S.F.
STRAW/HAY MIXTURE: 1 1/2 - 2 TONS/ACRE

RECOMMENDED SEEDING DATES: APRIL 1 - MAY 31 OR AUGUST 16 - OCTOBER 14

PERMANENT VEGETATIVE COVER SHALL BE ACHIEVED BY THE APPLICATION OF THE FOLLOWING SEEDING MIXTURE OR APPROVED EQUAL.

FERTILIZER SHALL BE 10-20-20 APPLIED AT A RATE OF 20 LBS./1000 S.F. OR AS DETERMINED BY SOIL TESTS. LIMESTONE SHALL APPLIED AT A RATE OF 150 LBS./1000 S.F. OR AS DETERMINED BY SOIL TESTS. SEEDING PREPARATION SHALL CONSIST OF A 4" APPLICATION OF TOPSOIL WHICH IS NATIVE TO THE SITE AND SHALL BE LOOSE, FRIABLE, GRANULAR MATERIAL.

PERMANENT VEGETATIVE COVER MAY ALSO CONSIST OF A VEGETATIVE COVER.

ALL EMBANKMENT SLOPES IN EXCESS OF 4:1 SLOPE SHALL BE BOUND OR MULCHED WITH A VEGETATIVE COVER.

VEGETATIVE COVER

TEMPORARY VEGETATIVE COVER SHALL CONSIST OF EITHER SPRING DATS APPLIED AT A RATE OF 20 LBS./1000 S.F. OR GRASS RYE APPLIED AT A RATE OF 2.4 LBS./1000 S.F. COVERED BY A HYDROMULCH APPLIED AT A RATE OF 1200 LBS./ACRE. RECOMMENDED SEEDING DATES 3/1 TO 5/15 AND 8/15 TO 10/1.

MULCHING SHALL BE OF UNROTTED SALT HAY OR SMALL GRAIN STRAW AT A RATE OF 79-90 LBS./1000 S.F. APPLIED ACCORDING TO NJ STANDARDS. MULCH SHALL BE SECURED BY APPROVED METHODS (PEG & TWINE, MULCH NETTING OR LIQUID MULCH BINDER).

STORMWATER MANAGEMENT SYSTEM

CONSTRUCTION AND MAINTENANCE NOTES

1. DURING CONSTRUCTION, INLETS AND STORM PIPES SHALL BE CLEANED OF SILT ONCE A WEEK. THE CONTRACTOR SHALL USE PRECAUTIONARY METHODS TO AVOID SILT FROM ENTERING INTO STORM DRAINAGE SYSTEM DURING CONSTRUCTION.
2. THE OWNER SHALL BE RESPONSIBLE FOR WATER QUALITY STRUCTURE MAINTENANCE UPON ISSUANCE OF ALL CERTIFICATES OF OCCUPANCY. REFER TO MAINTENANCE MANUAL FOR DETAILS.

TOPSOIL STOCKPILE PROTECTION

1. CONSTRUCT TEMPORARY DIVERSION BERM AROUND STOCKPILE AREA.
2. APPLY LIMESTONE AT A RATE OF 90 LBS./1000 S.F.
3. APPLY FERTILIZER (10-20-10) AT A RATE OF 11 LBS./1000 S.F.
4. APPLY PERENNIAL RYEGRASS AT 1 LB./1000 S.F.
5. MULCHING SHALL BE OF UNROTTED SALT HAY OR SMALL GRAIN STRAW AT A RATE OF 90 LBS./1000 S.F. TO BE PLACED IMMEDIATELY AFTER SEEDING.

OCEAN COUNTY SOIL CONSERVATION DISTRICT

SOIL EROSION AND SEDIMENT CONTROL NOTES:

1. THE OCEAN COUNTY SOIL CONSERVATION DISTRICT SHALL BE NOTIFIED FORTY-EIGHT (48) HOURS IN ADVANCE OF ANY LAND DISTURBANCE.
2. ALL WORK IS TO BE DONE IN ACCORDANCE WITH THE STATE STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY.
3. 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.
4. 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 STATE SOIL EROSION AND SEDIMENT CONTROL STANDARDS.
5. 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.
6. ANY DISTURBED AREAS THAT WILL BE LEFT EXPOSED MORE THAN THIRTY (30) 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, AT A RATE OF 2 TO 2 1/2 TONS PER ACRE, ACCORDING TO STATE STANDARD FOR STABILIZATION WITH MULCH ONLY.
7. 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.
8. 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.
9. ANY STEEP SLOPES (3:1 OR GREATER) OR ANY EXISTING ROADWAYS RECEIVING PIPELINE INSTALLATION WILL BE BACKFILLED AND STABILIZED DAILY, AS THE INSTALLATION CONTINUES.
10. THE STANDARD FOR STABILIZED CONSTRUCTION ACCESS REQUIRES THE INSTALLATION OF A STONE PAD AT ALL CONSTRUCTION DRIVEWAYS WHERE VEHICLES WILL ACCESS PAVED ROADWAYS FROM UNPAVED AREAS OF THE SITE.
11. ALL SEDIMENT WASHED, DROPPED, SPILLED, OR TRACKED ONTO ROADWAYS (PUBLIC OR PRIVATE) OR OTHER IMPERVIOUS SURFACES WILL BE REMOVED IMMEDIATELY.
12. 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.
13. 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.
14. 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 SEEDING 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.
15. CONDUIT OUTLET PROTECTION MUST BE INSTALLED AT ALL REQUIRED OUTFALLS PRIOR TO THE DRAINAGE SYSTEM BECOMING OPERATIONAL.
16. 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.
17. 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.
18. STOCKPILE AND STAGING LOCATIONS ESTABLISHED IN THE FIELD SHALL BE PLACED WITHIN THE LIMIT OF DISTURBANCE ACCORDING TO THE CERTIFIED PLAN. STAGING AND STOCKPILES NOT LOCATED WITHIN THE LIMIT OF DISTURBANCE WILL REQUIRE CERTIFICATION OF A REVISED 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.
19. ALL SOIL STOCKPILES ARE TO BE TEMPORARILY STABILIZED IN ACCORDANCE WITH SOIL EROSION AND SEDIMENT CONTROL NOTE #6.
20. 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.

TEMPORARY STABILIZATION METHODS

1. APPLY GROUND LIMESTONE AT A RATE OF 90 LBS./1000 S.F.
2. APPLY FERTILIZER 10-20-10 OR EQUAL, AT A RATE OF 11 LBS./1000 S.F. WORKED INTO THE SOIL A MIN. OF 4".
3. APPLY SEED MIXTURE OF:
PERENNIAL RYEGRASS AT 20 LBS./ACRE.
CREeping RED FESCUE AT 15 LBS./ACRE.
CHEWING RED FESCUE AT 15 LBS./ACRE.
PLANT BETWEEN MARCH 1 & MAY 15, OR BETWEEN AUG. 15 & OCTOBER 1.
4. MULCHING SHALL BE OF UNROTTED SALT HAY OR SMALL GRAIN STRAW AT A RATE OF 70-90 LBS./1000 S.F. APPLIED ACCORDING TO NJ STANDARDS. MULCH SHALL BE SECURED BY APPROVED METHODS (PEG & TWINE, MULCH NETTING OR LIQUID MULCH BINDER).
5. TEMPORARY SEEDING SHALL BE MAINTAINED UNTIL DISTURBED AREAS ARE PERMANENTLY STABILIZED WITH PERMANENT SEEDING.

ATLANTIC CAPES FISHERIES
BLOCK 166 - LOTS 9 & 10 BLOCK 171 - LOT 9 BLOCK 172 - LOTS 1, 5, & 5.01
BLOCK 173 - LOTS 1, 2, & 2.01
TAX MAP SHEET #7 & 9
BOROUGH OF POINT PLEASANT BEACH OCEAN COUNTY NEW JERSEY

MAJOR SITE PLAN
SOIL EROSION & SEDIMENT CONTROL
NOTES & DETAILS

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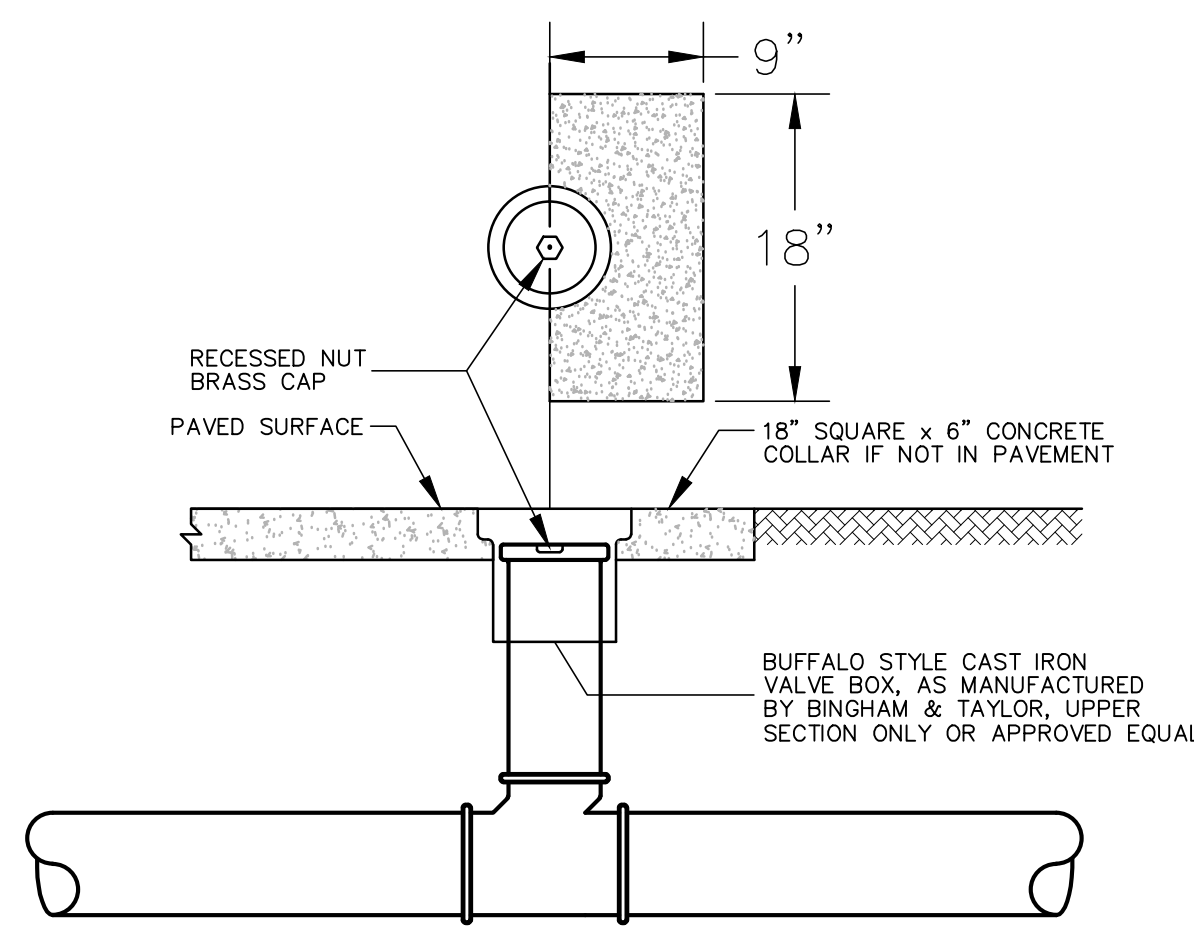
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PROJECT No.: 13-48200	DATE: AUGUST 1, 2014
DESIGNED BY: SCALE: 1"=30'	DRAWN BY: REVIEWED BY:
10/1/2014	T.P.L.
TIMOTHY P. LURIE PROFESSIONAL ENGINEER N.J. P.E. No. 24064027900 P.A. P.E. No. 081676 N.J. PROFESSIONAL PLANNER No. 35130068009	SHEET: 7 OF 8

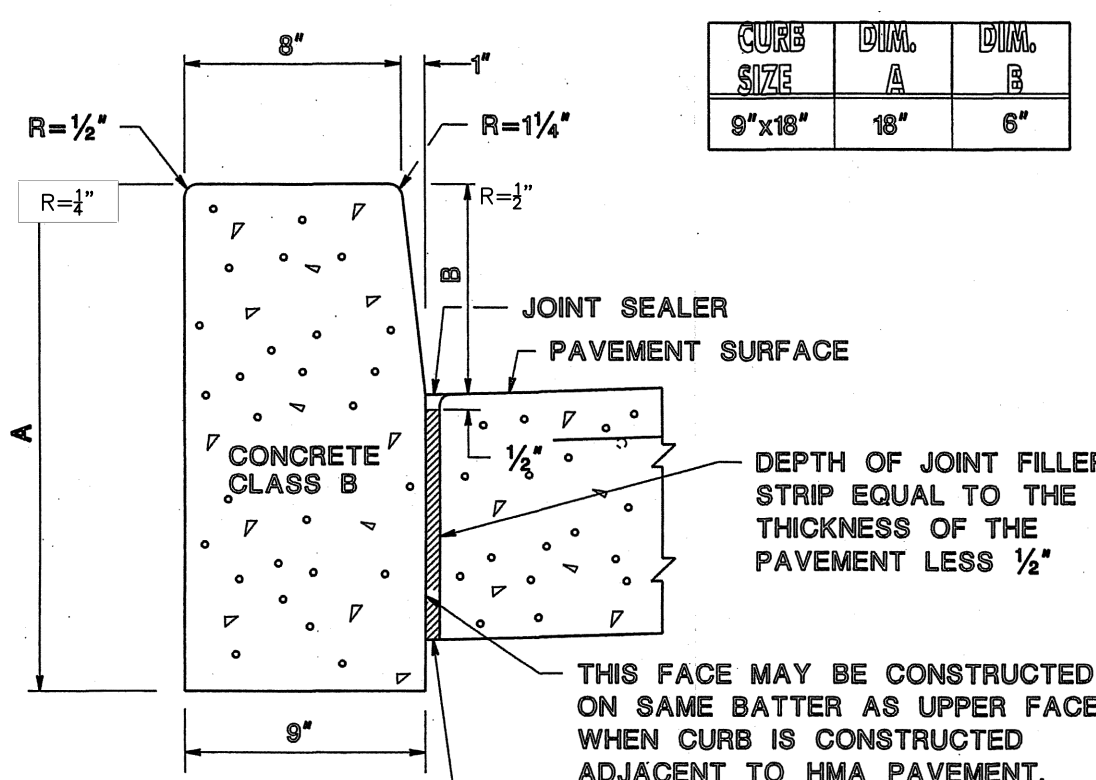
DATE	No.	BY	DESCRIPTION
			REVISIONS

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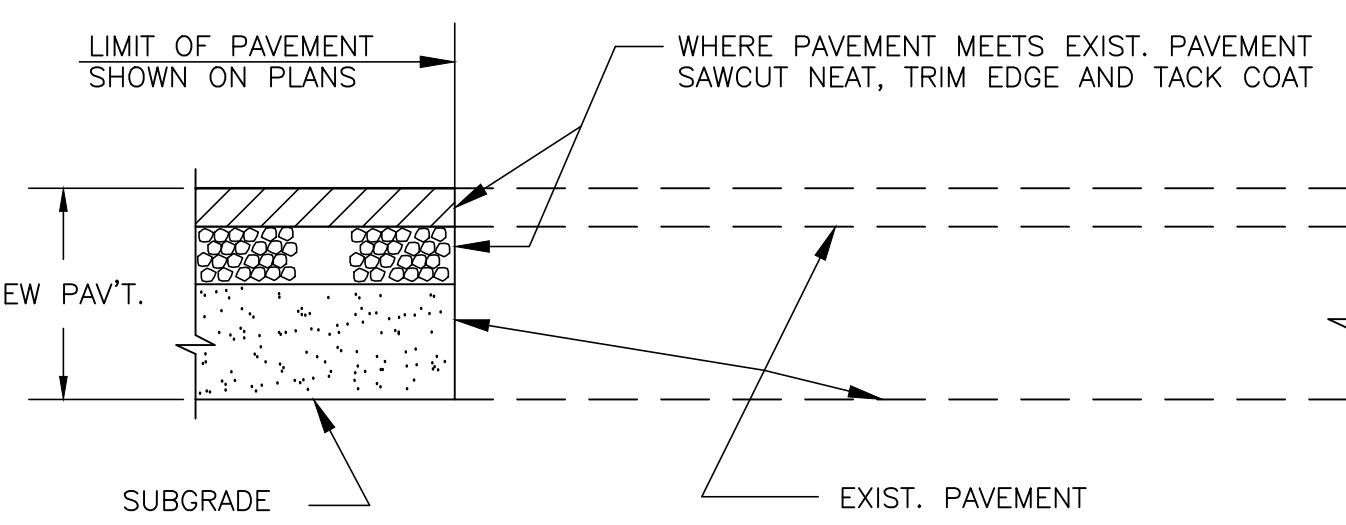
- AT LEAST ONE CLEANOUT MUST BE PROVIDED ON EACH LATERAL.
- IN GENERAL A CLEANOUT WILL BE PROVIDED FOR EACH LATERAL BETWEEN THE CURB AND THE SIDEWALK.
- IN GENERAL, OWNERSHIP AND MAINTENANCE OF LATERALS AND CLEANOUTS WILL BE THE RESPONSIBILITY OF THE PROPERTY OWNER.
- THE LOCATION OF ALL CLEANOUTS MUST BE APPROVED BY THE MUNICIPAL SEWER UTILITY.

STANDARD SANITARY SEWER CLEANOUT
N.T.S.

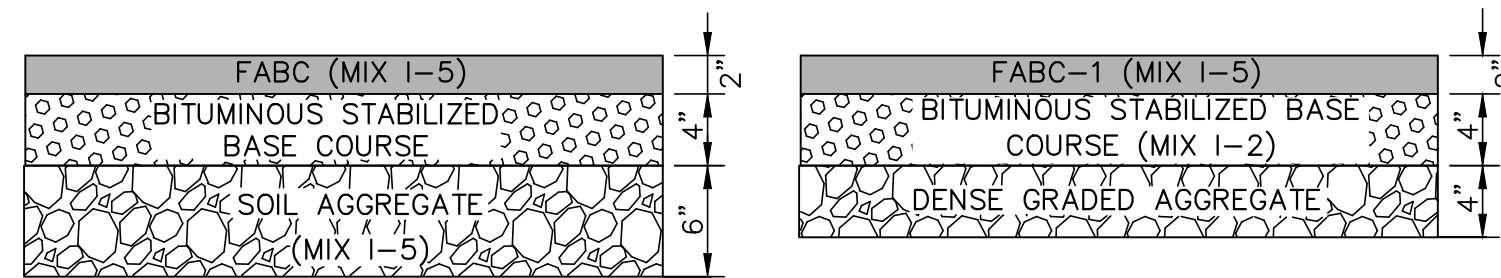


TRANSVERSE JOINTS 1/2" WIDE SHALL BE INSTALLED IN THE CURB 20 FEET APART AND SHALL BE FILLED WITH PREFORMED BITUMINOUS-IMPREGNATED FIBER JOINT FILLER RECESSED 1/4" IN FROM FRONT FACE AND TOP OF CURB EXPANSION JOINTS THRU AND ADJACENT TO THE CURB SHALL BE INCLUDED IN THE UNIT PRICE BID FOR CURB.

CONCRETE VERTICAL CURB
N.T.S.

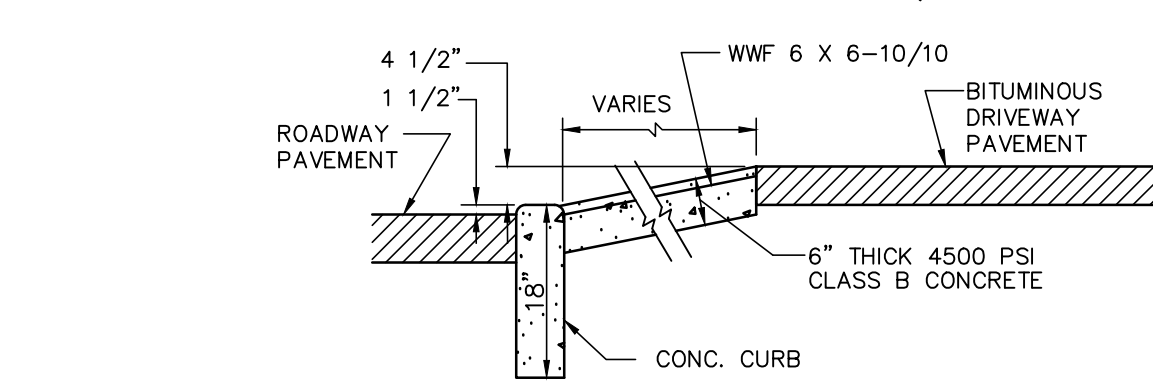


PAVEMENT MEETING EXISTING PAVEMENT
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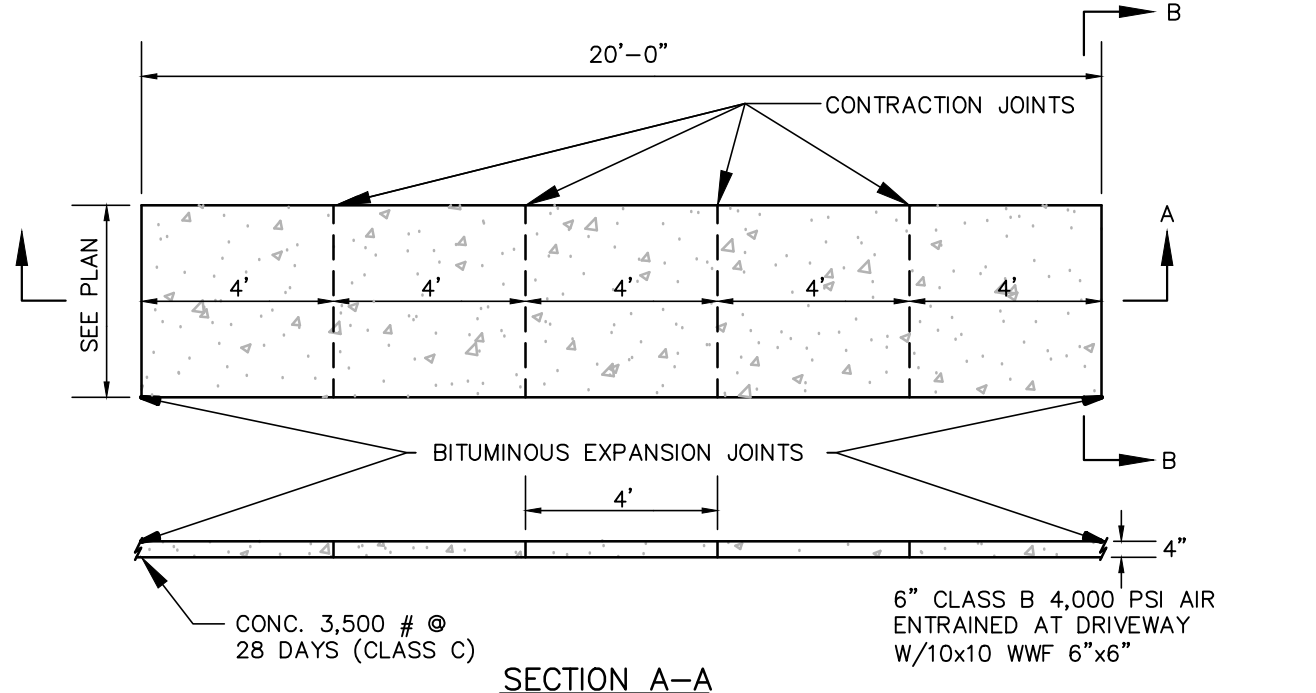


PAVEMENT SECTION
N.T.S.
(FOR COUNTY ROADWAY)

PAVEMENT SECTION
N.T.S.
(FOR TOWNSHIP ROADWAY)

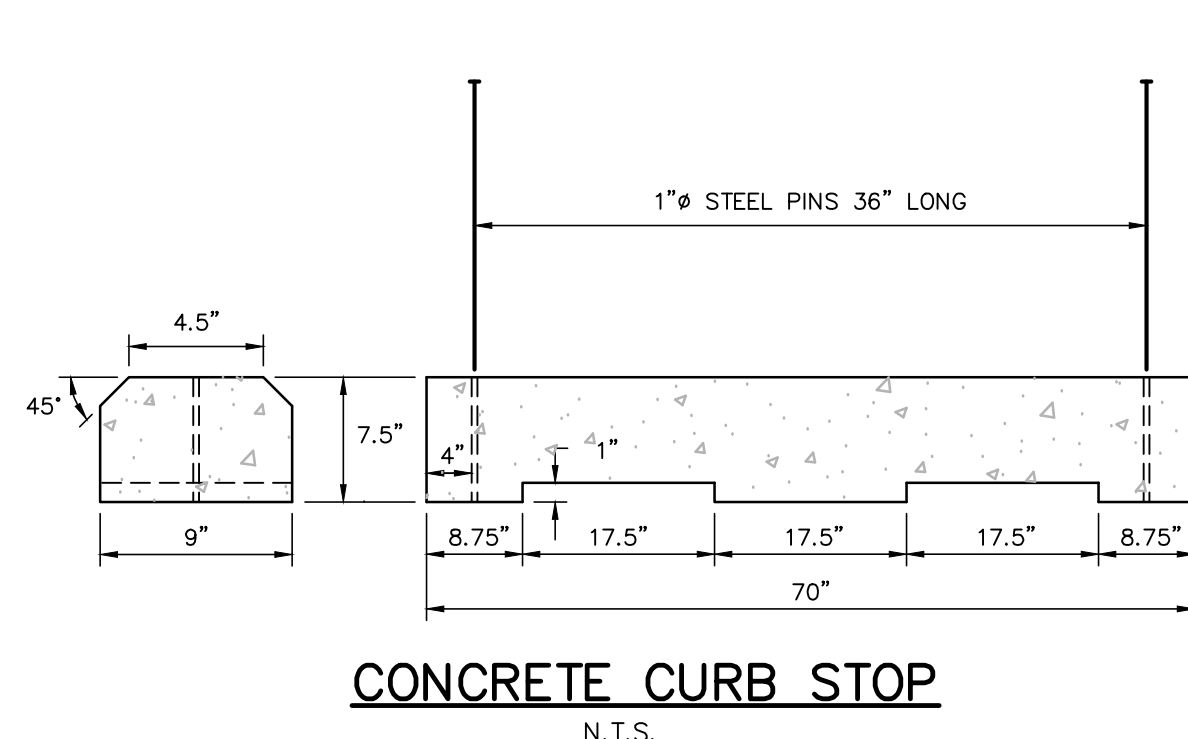


DEPRESSED CURB & CONCRETE APRON
N.T.S.

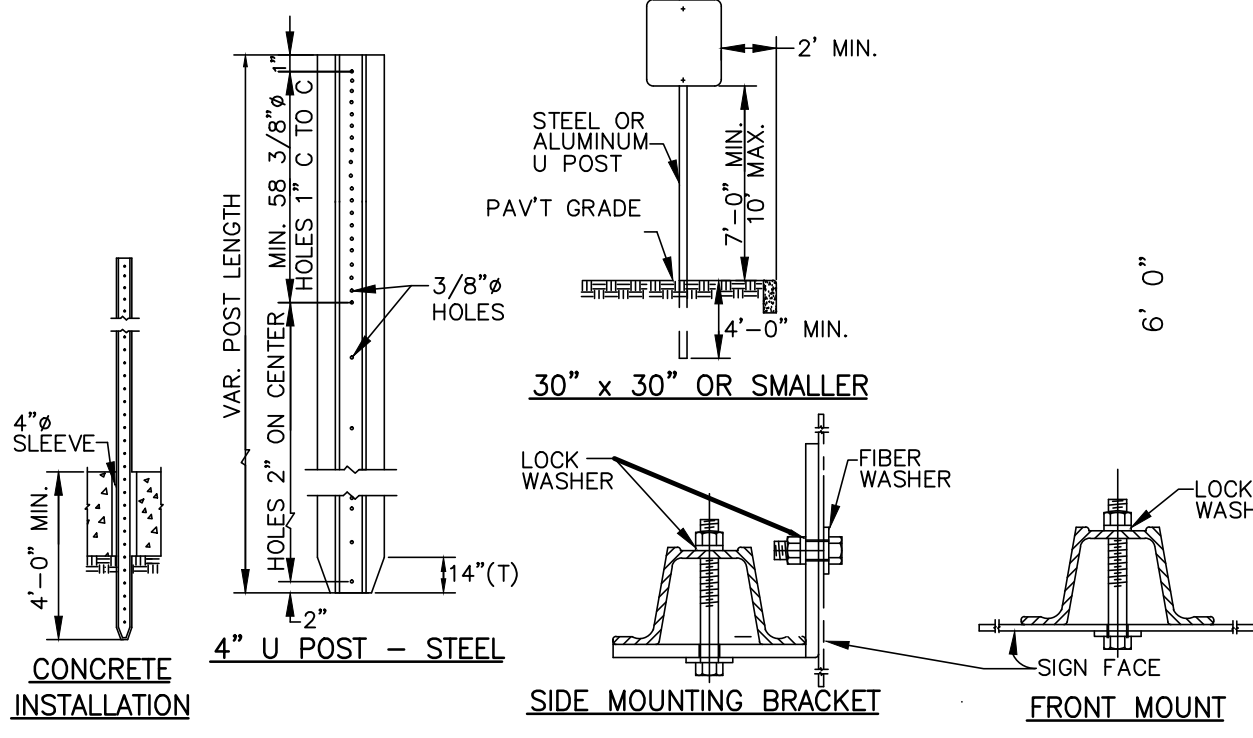


- NOTES:**
- A PREFORMED, BITUMINOUS EXPANSION JOINT 1/2" THICK, 4" WIDE, AND EXTENDING THE FULL WIDTH OF THE WALK, UNBROKEN, SHALL BE INSTALLED EVERY 20' CONTRACTOR JOINTS SHALL BE INSTALLED EVERY 4 FEET THE FULL WALK WIDTH.
 - THERE SHALL BE A BROOM FINISH WITH THE EDGES FINISHED WITH A SUITABLE TOOL.
 - SHALL MEET NJDOT STANDARDS FOR ROAD AND BRIDGE CONSTRUCTION.

CONCRETE SIDEWALK
N.T.S.



CONCRETE CURB STOP
N.T.S.

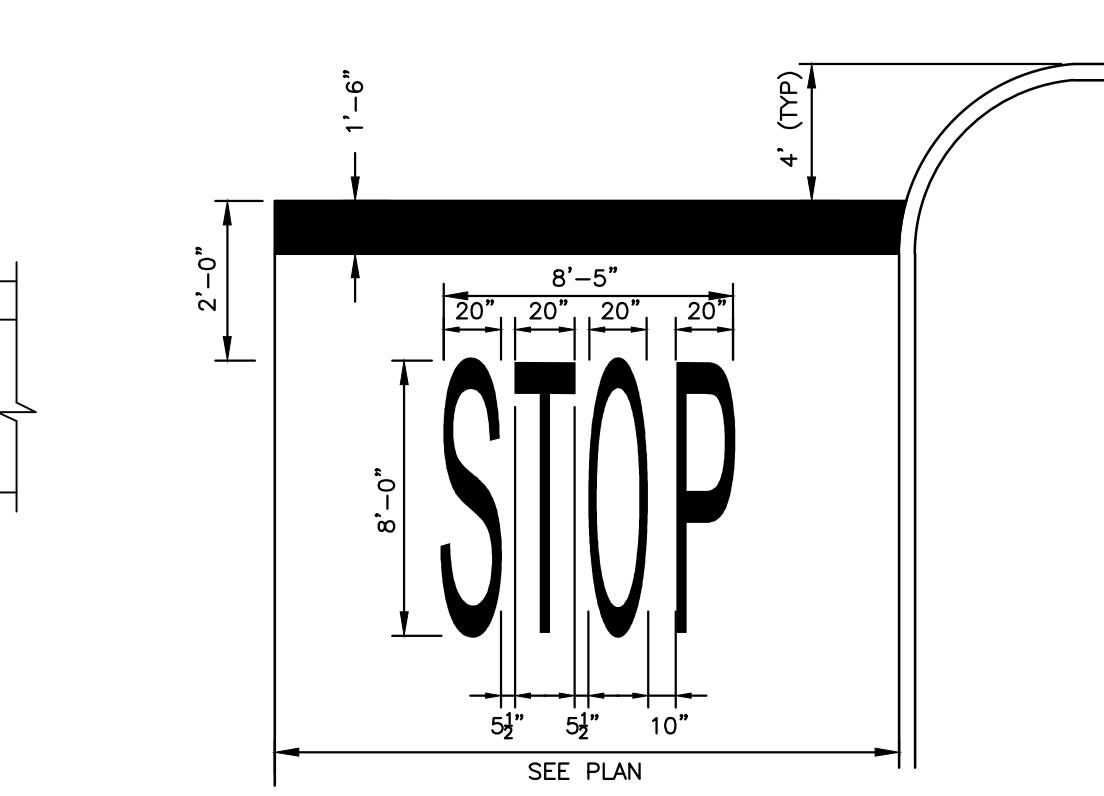


SIGN POST DETAILS
N.T.S.

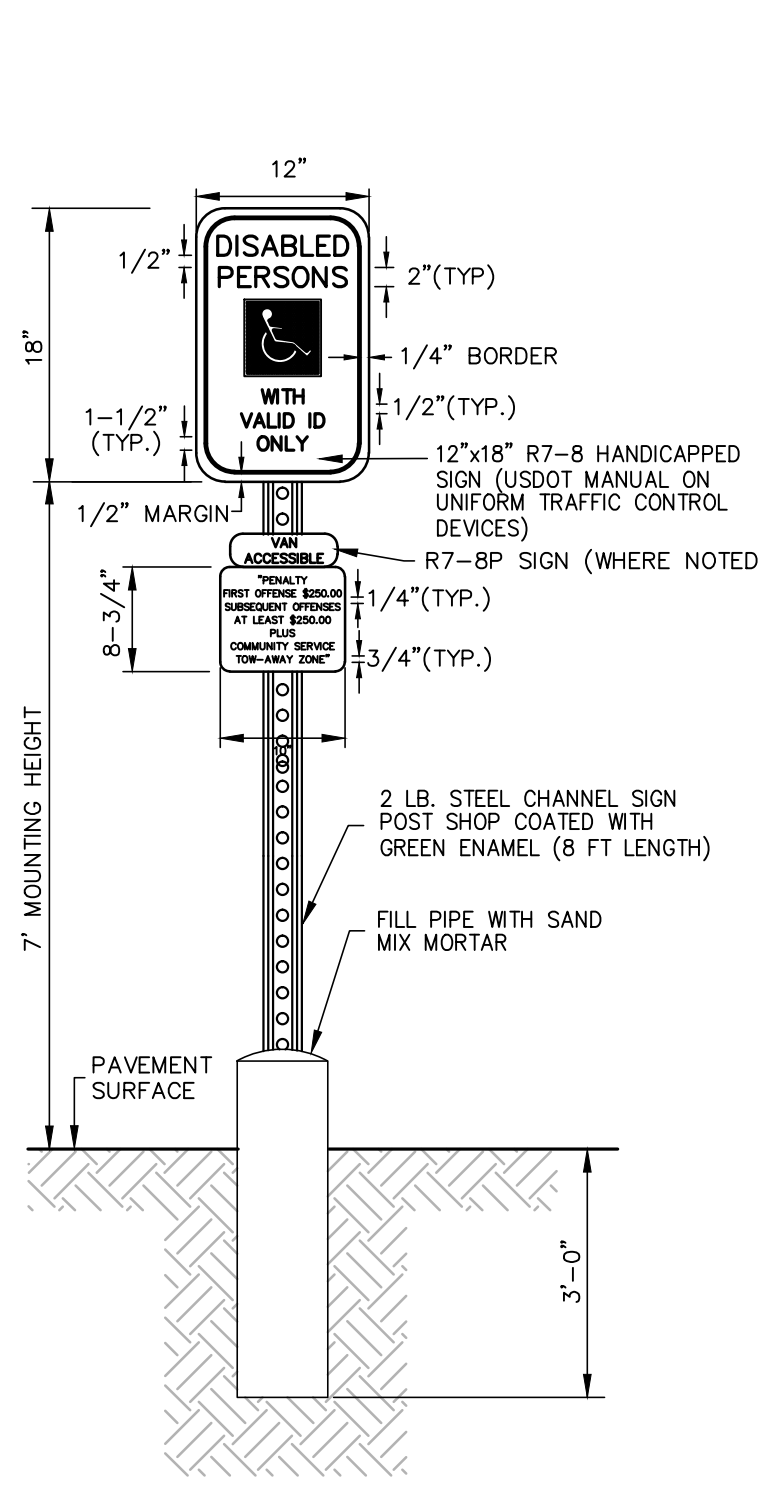
- ALL POSTS SHALL BE OF ADEQUATE LENGTH TO MEET THE REQUIREMENTS FOR ERECTION AS STATED IN THE CURRENT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS & HIGHWAYS.
- ALL POSTS & BRACKETS SHALL BE CUT, BENT & HOLES PUNCHED & DRILLED BEFORE GALVANIZING. GALVANIZING SHALL BE IN CONFORMANCE WITH CURRENT A.S.T.M. SPECIFICATION A123.
- EXACT LOCATION OF SIGNS TO BE DETERMINED IN THE FIELD BY THE ENGINEER.
- POSTS MAY BE STEEL OR ALUMINUM.

NOTE: TRAFFIC ARROWS TO BE PAINTED W/ YELLOW REFLECTIVE TRAFFIC PAINT. PARKING STALLS TO BE 4" WIDE WHITE PAINTED LINES.

TRAFFIC ARROW & NO PARKING FIRE ZONE MARKINGS
N.T.S.



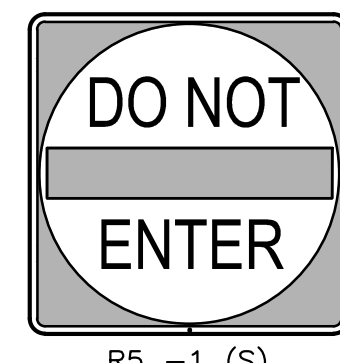
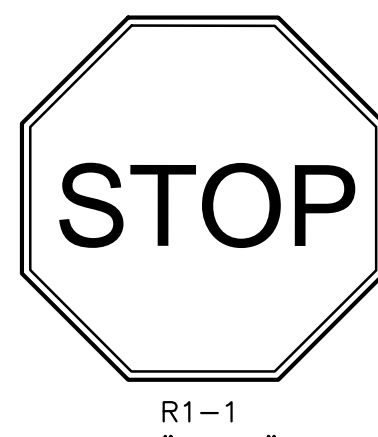
PAVEMENT MARKINGS
N.T.S.



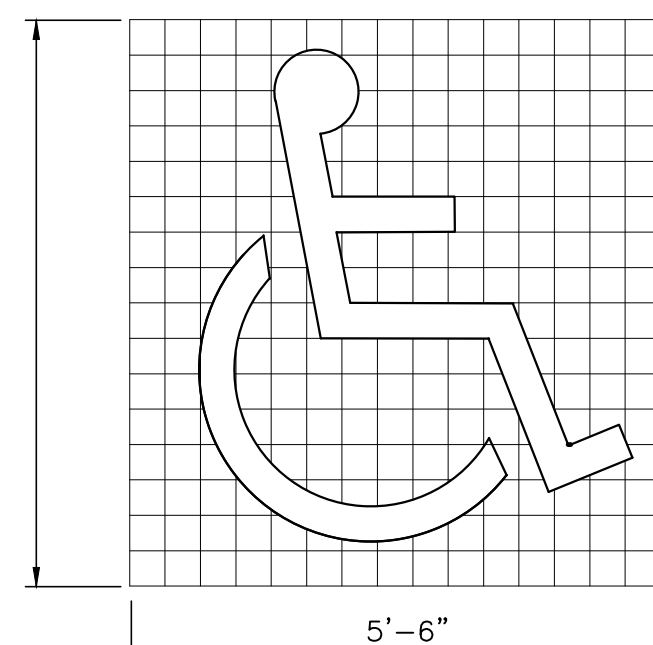
HANDICAPPED PERSONS PARKING SIGN
N.T.S.

- ALL POSTS SHALL BE OF ADEQUATE LENGTH TO MEET THE REQUIREMENTS FOR ERECTION AS STATED IN THE CURRENT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS & HIGHWAYS.
- ALL POSTS & BRACKETS SHALL BE CUT, BENT & HOLES PUNCHED & DRILLED BEFORE GALVANIZING. GALVANIZING SHALL BE IN CONFORMANCE WITH CURRENT A.S.T.M. SPECIFICATION A123.
- EXACT LOCATION OF SIGNS TO BE DETERMINED IN THE FIELD BY THE ENGINEER.
- POSTS MAY BE STEEL OR ALUMINUM.

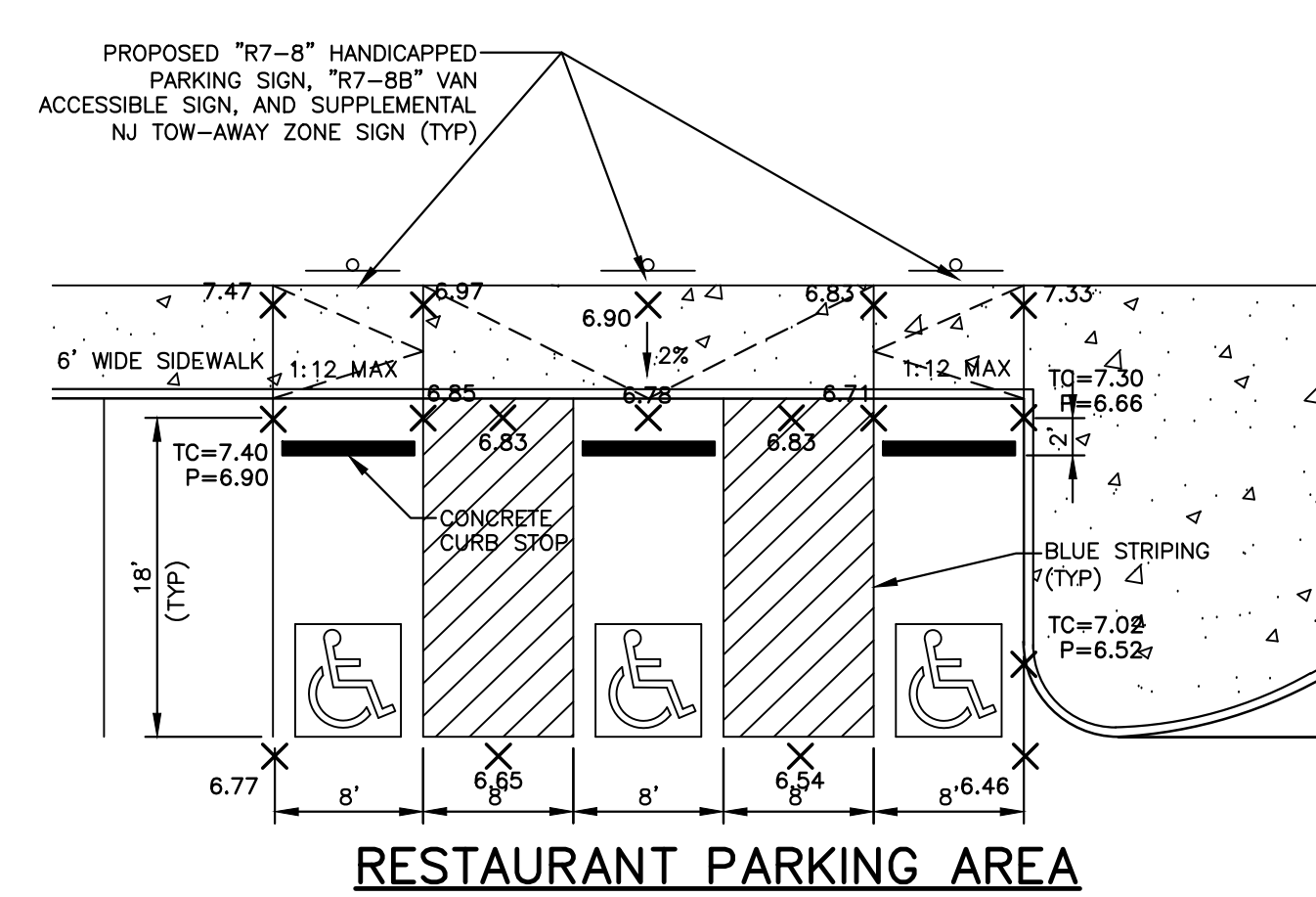
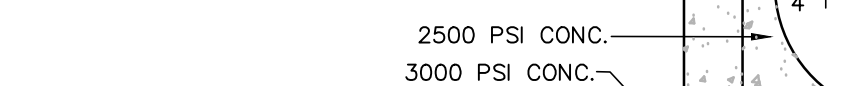
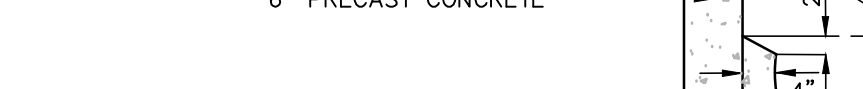
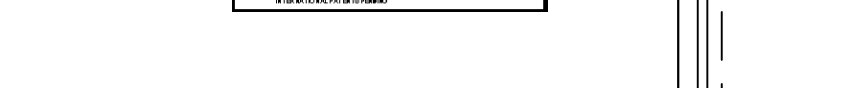
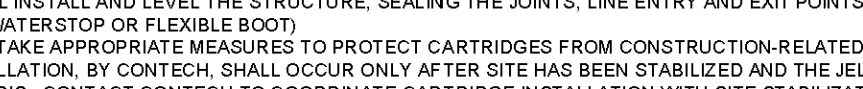
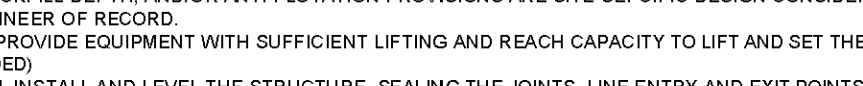
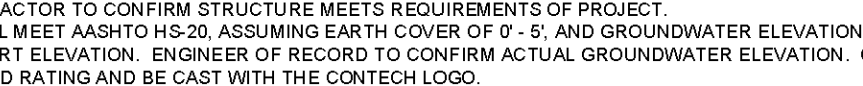
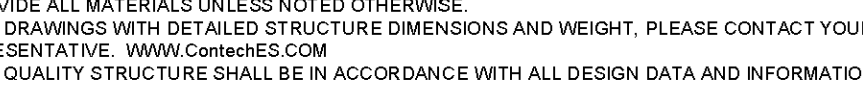
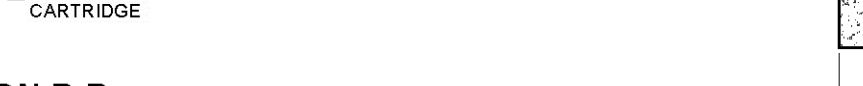
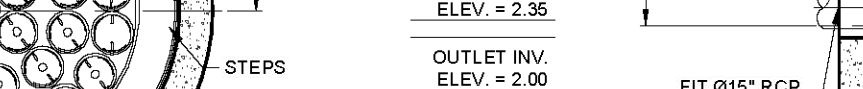
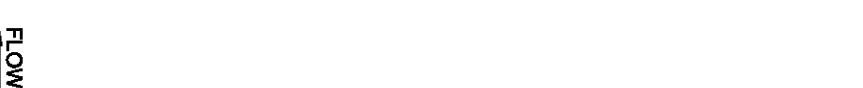
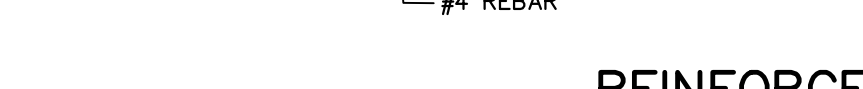
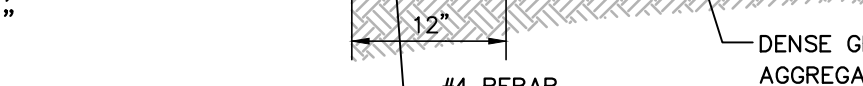
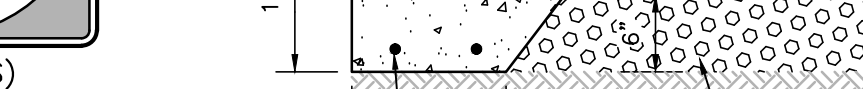
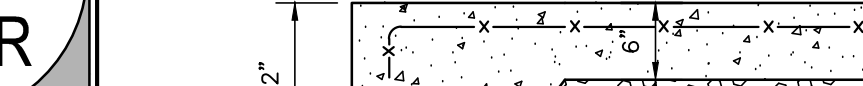
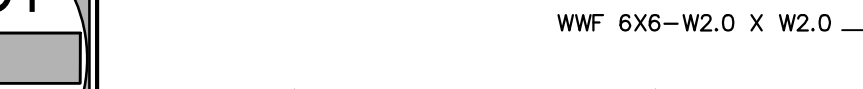
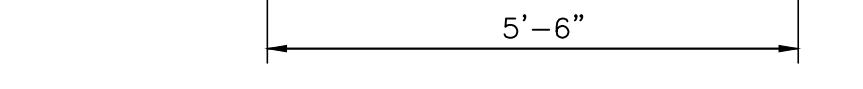
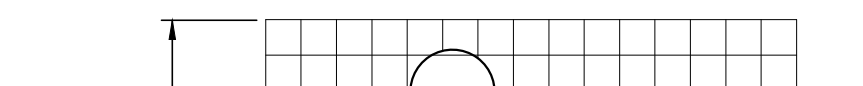
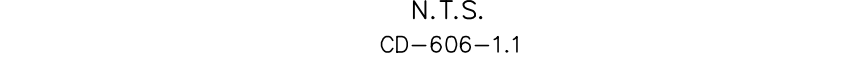
SIGNAGE DETAILS



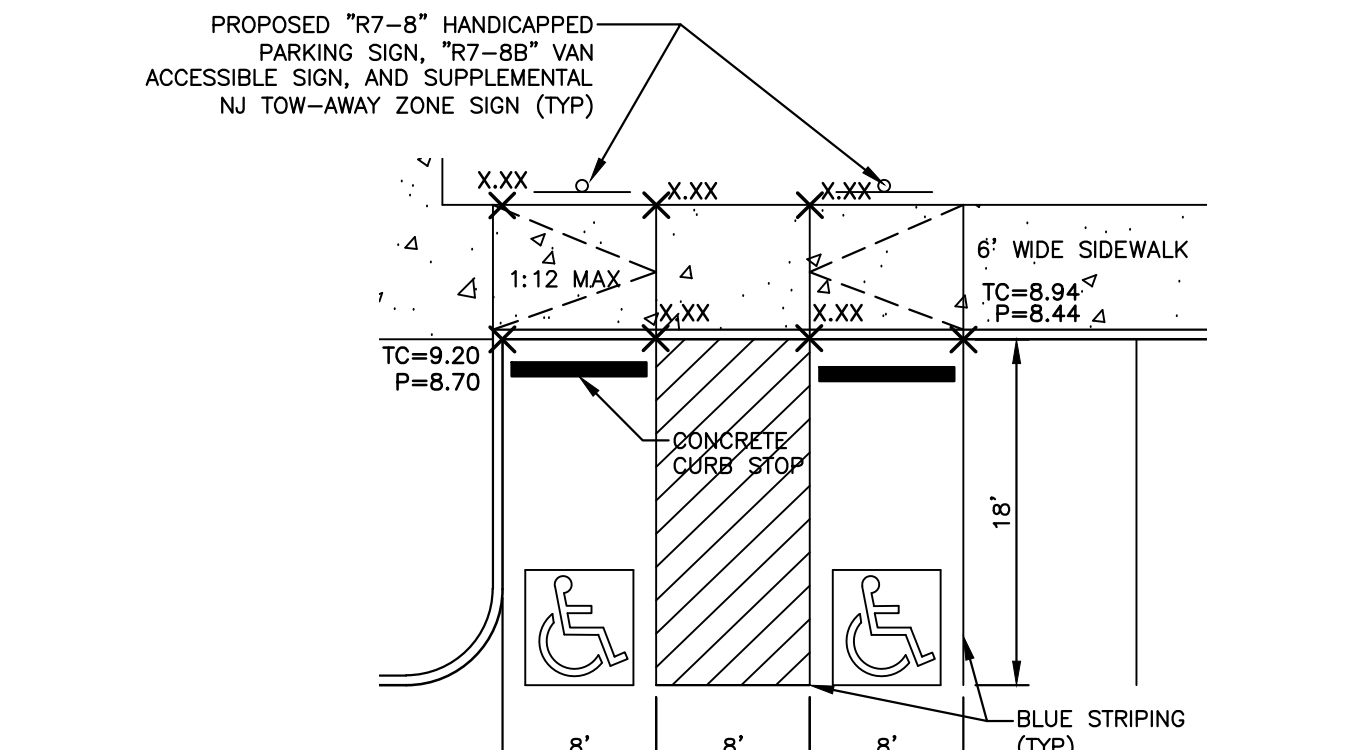
PAVEMENT MARKING HANDICAPPED SYMBOL
N.T.S.



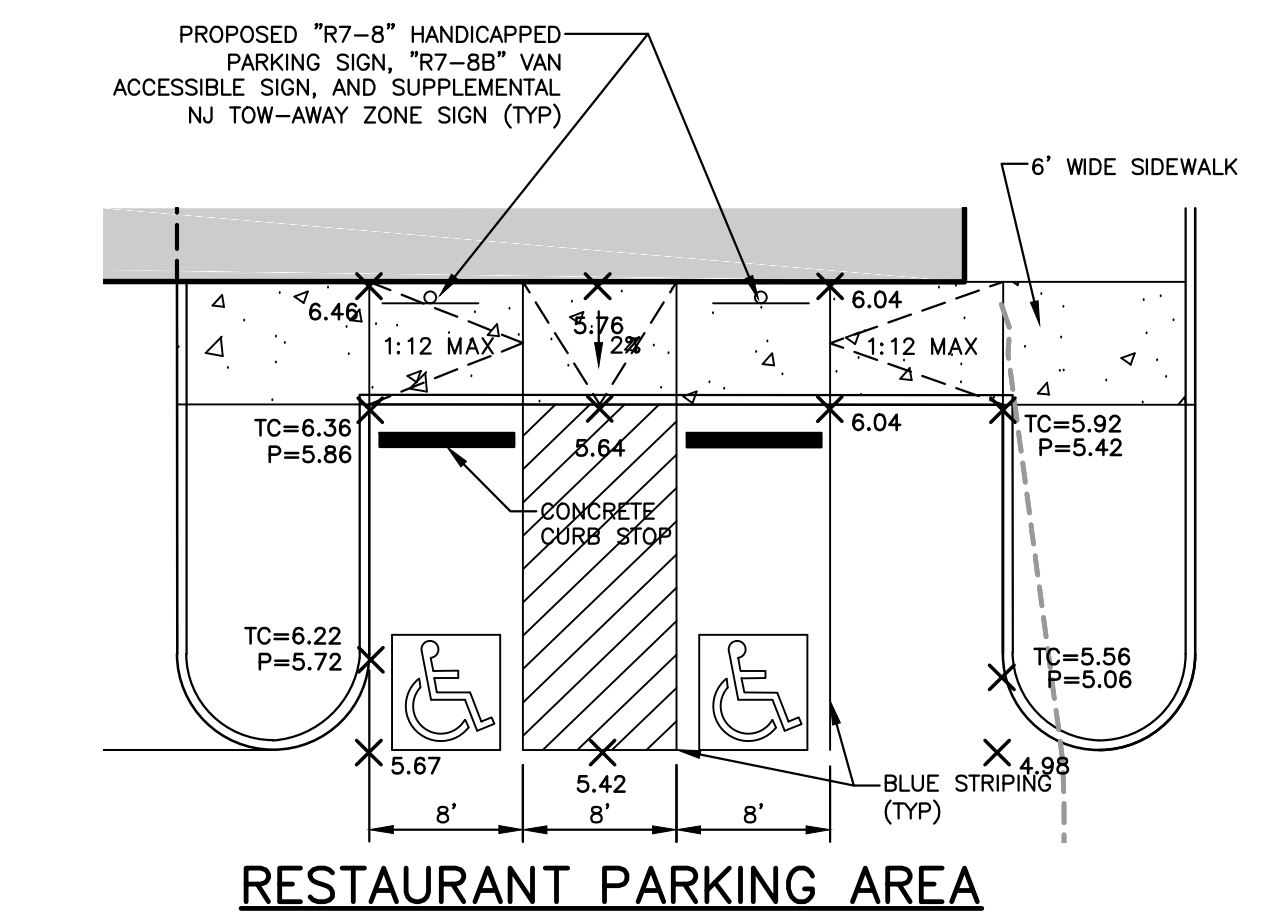
DETECTABLE WARNING SURFACE
N.T.S.
CD-606-1.1



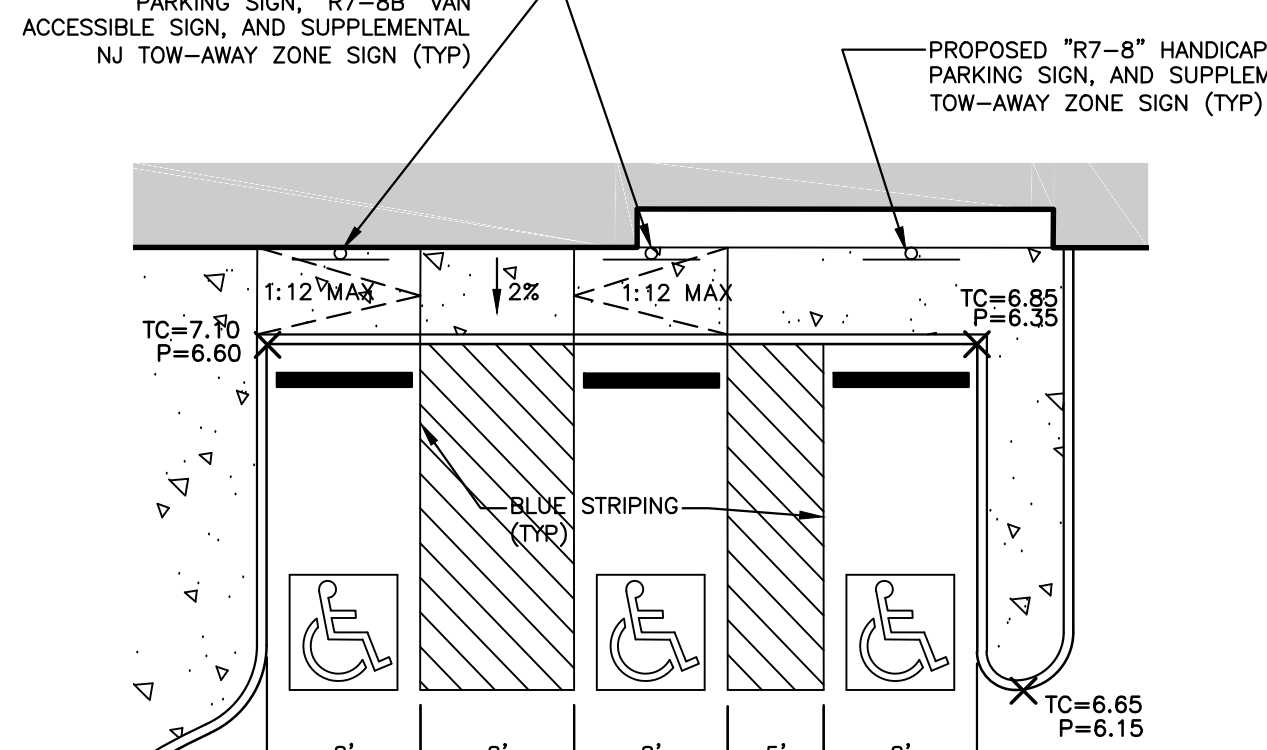
RESTAURANT PARKING AREA



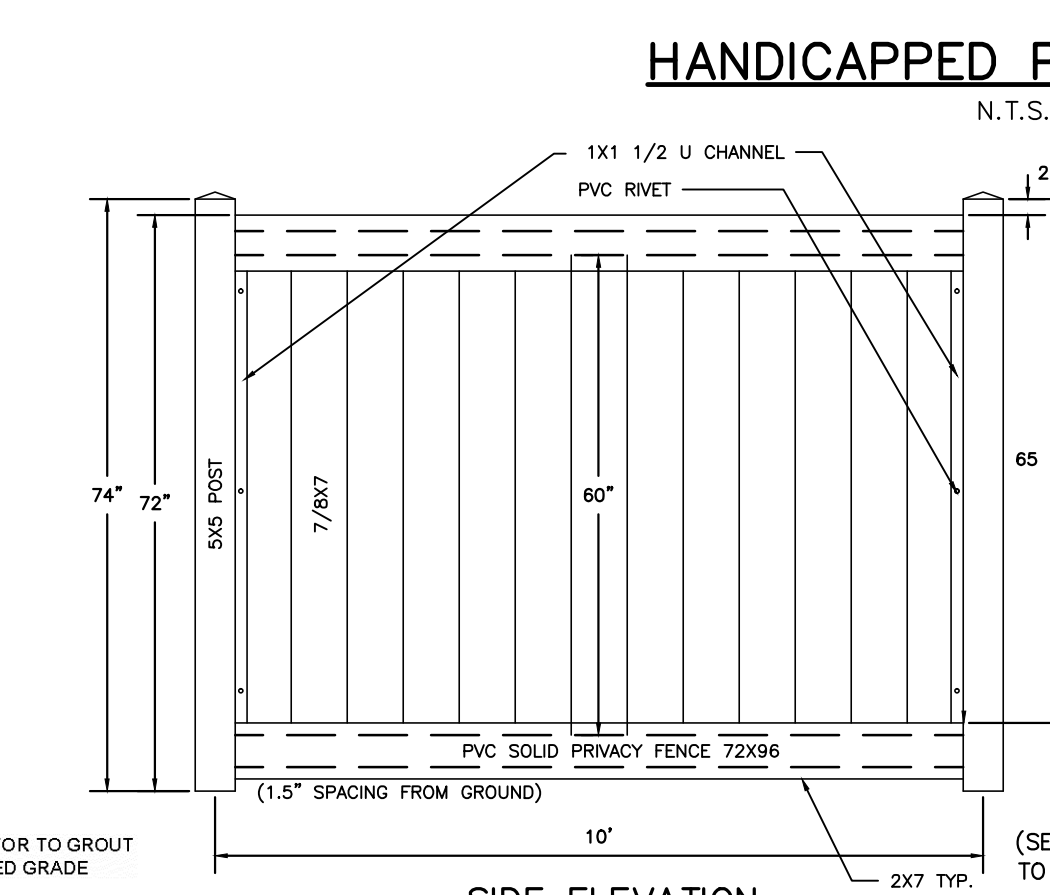
PACKING FACILITY PARKING AREA



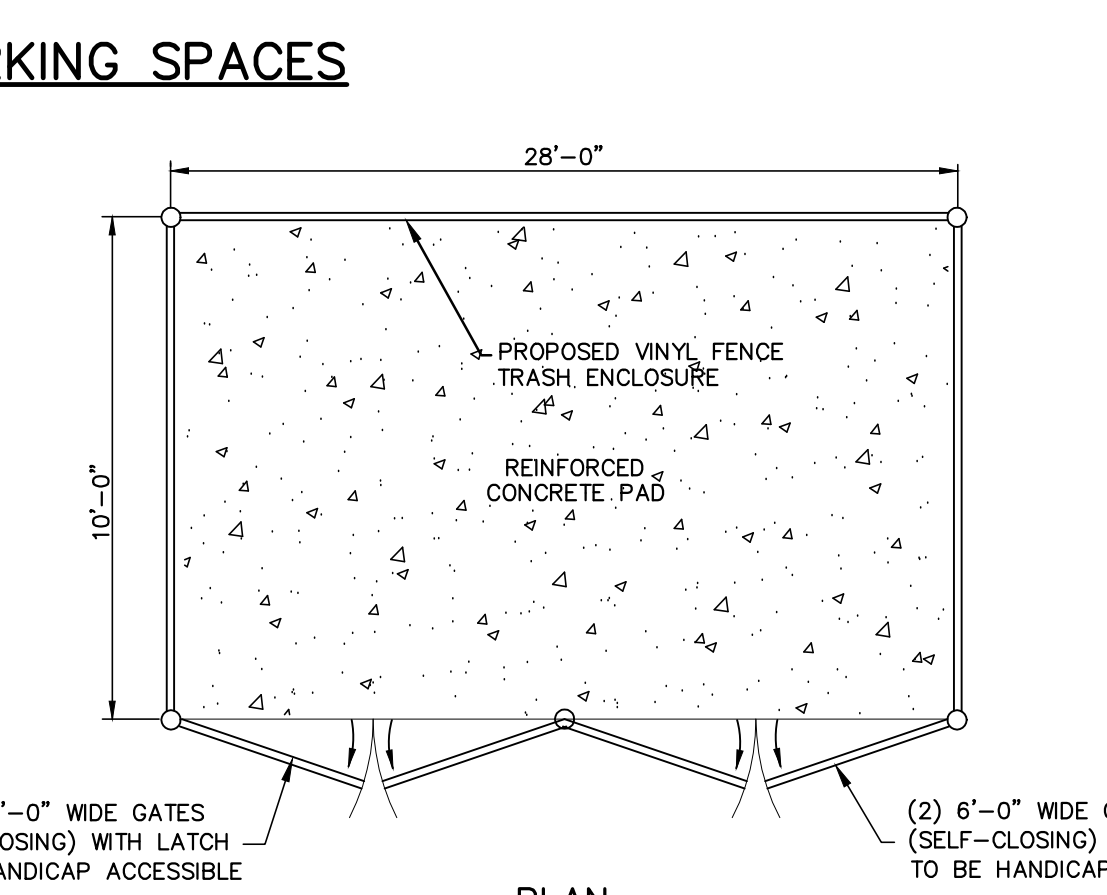
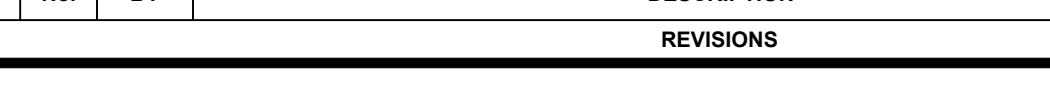
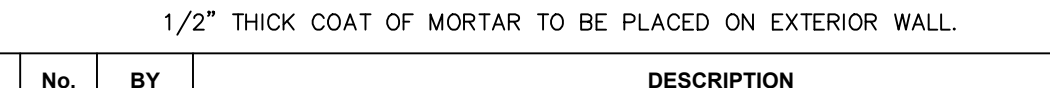
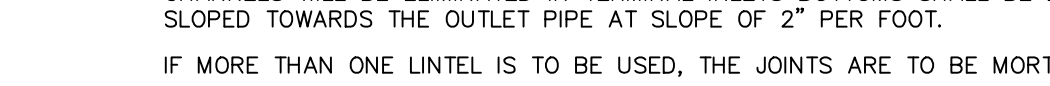
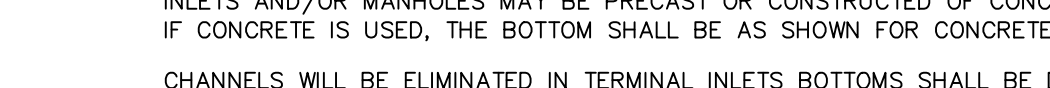
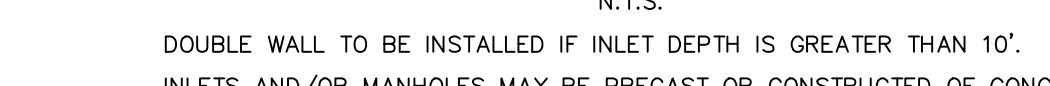
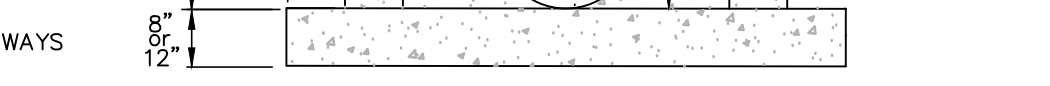
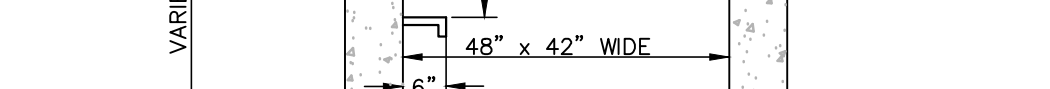
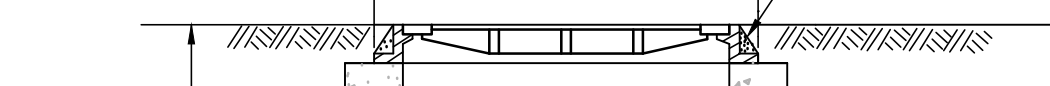
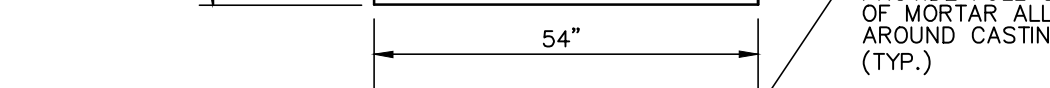
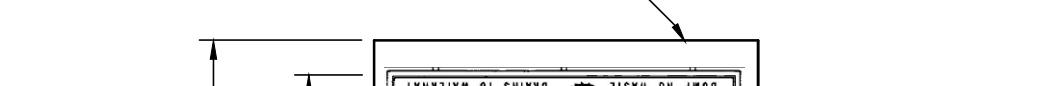
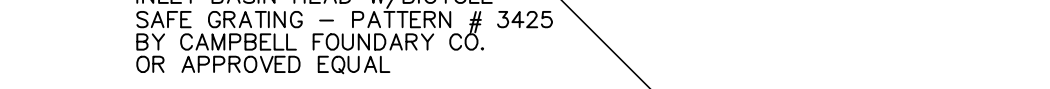
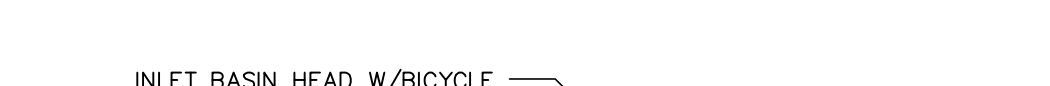
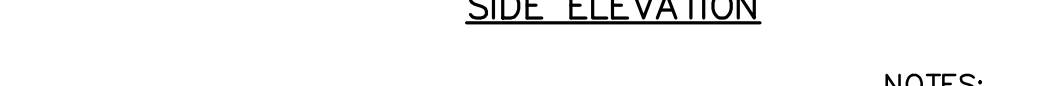
RESTAURANT PARKING AREA



HOTEL PARKING AREA



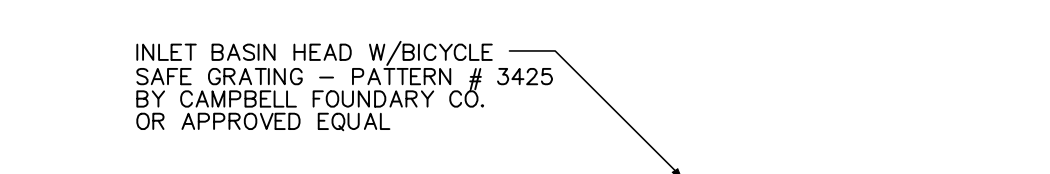
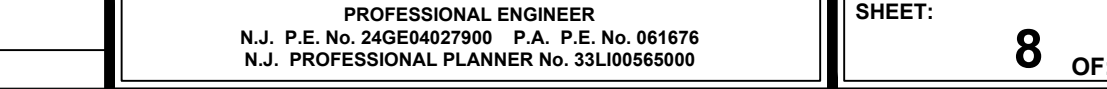
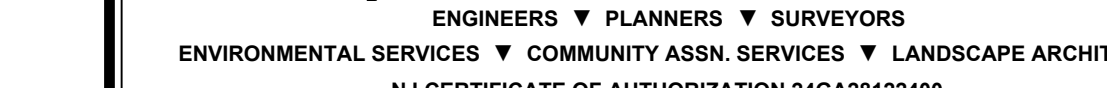
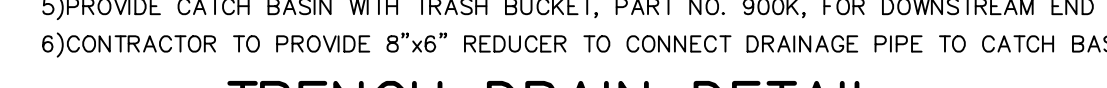
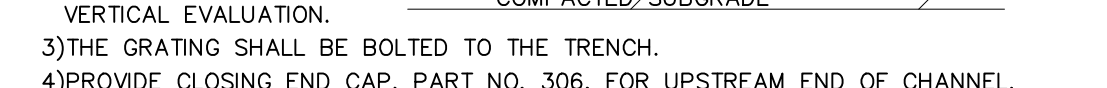
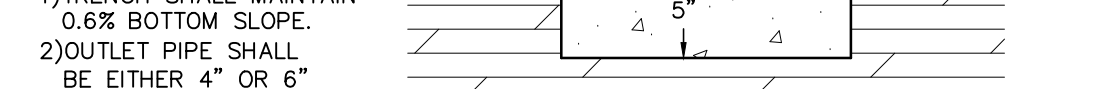
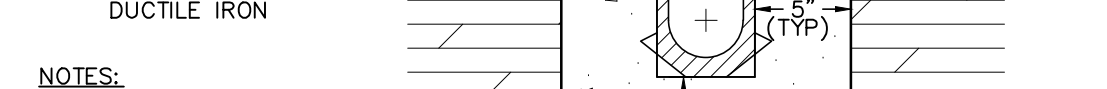
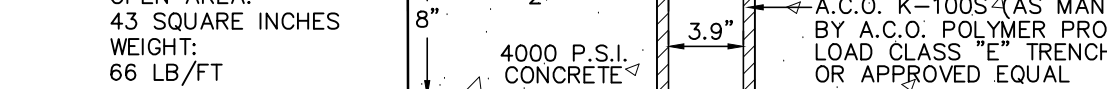
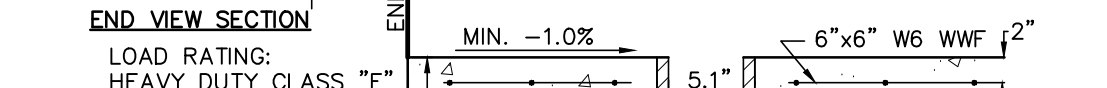
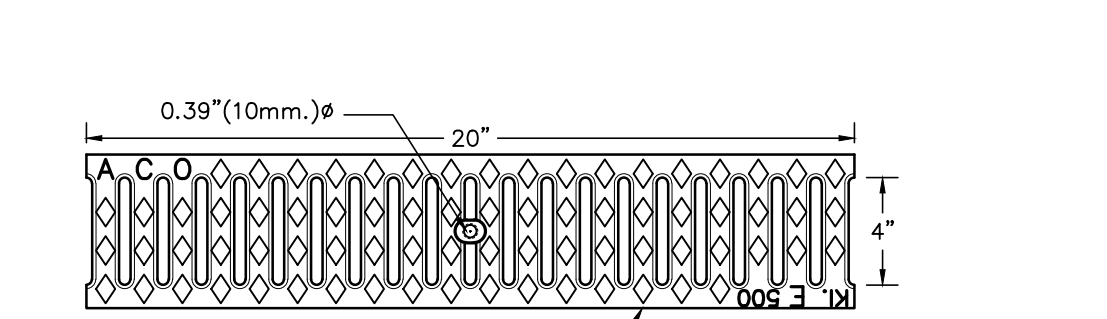
REINFORCED CONCRETE PAD
N.T.S.



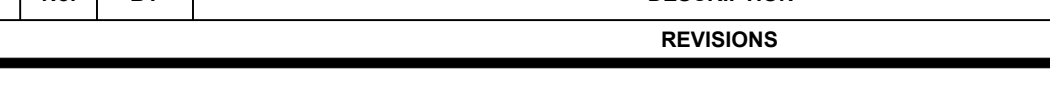
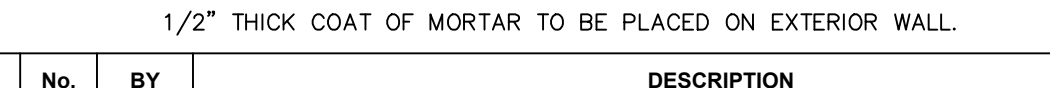
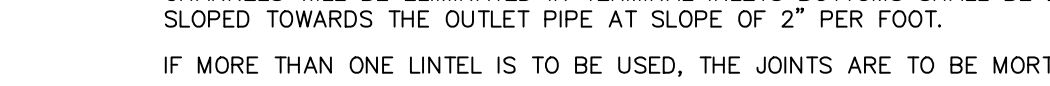
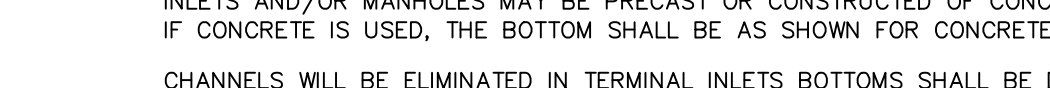
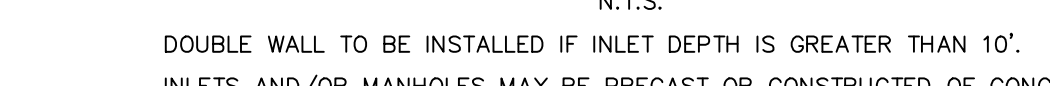
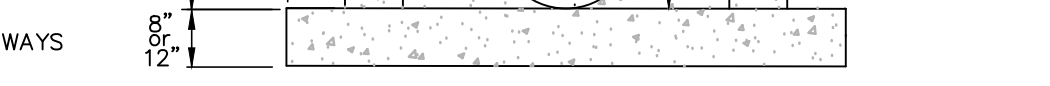
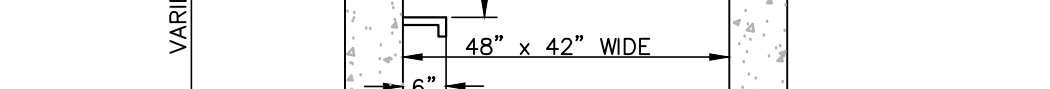
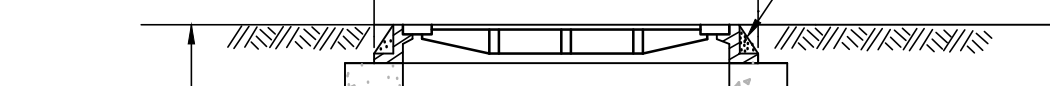
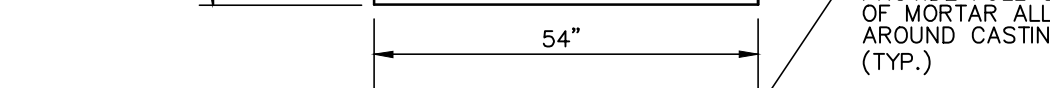
HANDICAPPED PARKING SPACES

- NOTES:**
- ALL FASTENERS SHALL BE HOT DIPPED GALVANIZED.
 - INDIVIDUAL BINS OR CONTAINERS SHALL BE EQUIPPED WITH SIGNS INDICATING THE MATERIALS TO BE PLACED WITHIN.

TRASH ENCLOSURE
N.T.S.



TRENCH DRAIN DETAIL
N.T.S.



CONTECH ENGINEERING SOLUTIONS LLC
www.contech.com
Jellyfish® Filter

MATERIAL LIST - PROVIDED BY CONTECH

COUNT	DESCRIPTION	INSTALLED BY
13	54" FITTED CARTRIDGE (7mm ORIFICE)	CONTECH
3	54" DRAINAGE CARTRIDGE (36mm ORIFICE)	CONTECH
4	CARTRIDGE BLANK (NO ORIFICE)	CONTECH
1	JELLYFISH CARTRIDGE DECK	CONTECH
1	54" JELLYFISH 15 SKIRT	CONTECH
1	JOINT SEALANT	CONTRACTOR
1	84" x 102" HATCH OR EQUAL (CAST-IR)	CONTRACTOR
2	PLACES GRADE RING/RIBBER	CONTRACTOR
4	STEPS	CONTECH

SITE DESIGN DATA

WATER QUALITY FLOW RATE	2.48 CFS
PEAK FLOW RATE	8.47 CFS
RETURN PERIOD OF PEAK FLOW	25 YRS

GENERAL NOTES:

- CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
- FOR FABRICATION DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND WEIGHT, PLEASE CONTACT YOUR CONTECH ENGINEERED SOLUTIONS REPRESENTATIVE. WWW.CONTECH.COM
- JELLYFISH WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING. CONTRACTOR TO CONFIRM STRUCTURE MEETS REQUIREMENTS OF PROJECT.
- STRUCTURE SHALL MEET AASHTO H-20, ASSUMING EARTH COVER OF 2'-0" AND GROUNDWATER ELEVATION AT OR BELOW THE OUTLET PIPE INVERT ELEVATION. ENGINEER OF RECORD TO CONFIRM ACTUAL GROUNDWATER ELEVATION. CASTINGS SHALL MEET AASHTO H-20 LOAD RATING AND BE CAST WITH THE CONTECH LOGO.
- STRUCTURE SHALL BE PRECAST CONCRETE CONFORMING TO ASTM C-478 AND AASHTO LOAD FACTOR DESIGN METHOD.

INSTALLATION NOTES:

- ANY SUBGRADE BACKFILL DEPTH, AND/OR ANTI-FLOTATION PROVISIONS ARE SITE-SPECIFIC DESIGN CONSIDERATIONS AND SHALL BE SPECIFIED BY ENGINEER OF RECORD.
- CONTRACTOR TO PROVIDE EQUIPMENT WITH SUFFICIENT LIFTING AND REACH CAPACITY TO LIFT AND SET THE STRUCTURE (L