

Town of Hammond
Chippewa Bay Boat Launch
REDI Project SJ.12

Town of Hammond, St Lawrence County, New York
100% SUBMISSION SET FEBRUARY 2023

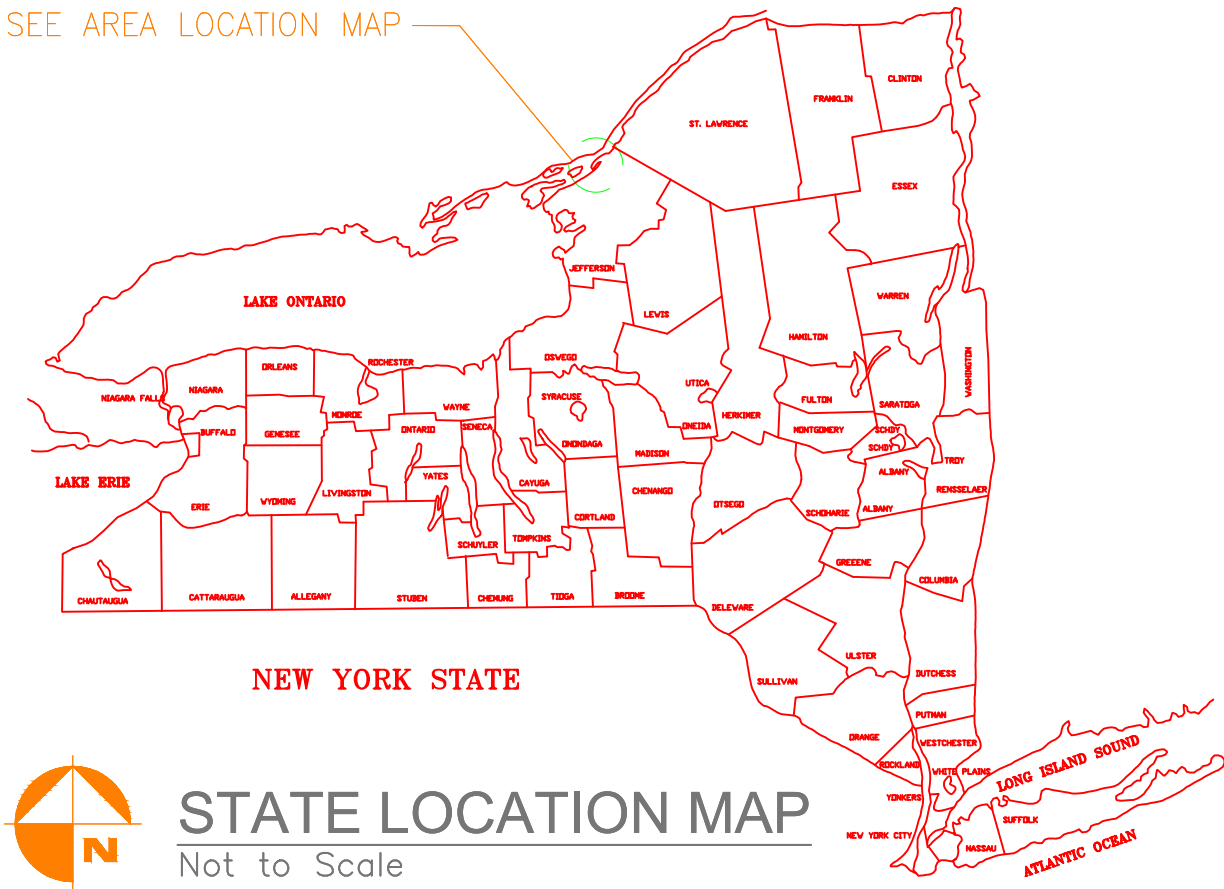
DRAWING LIST

T1	TITLE SHEET
G1	GENERAL NOTES AND LEGEND
S1	OVERALL SITE PLAN
S2	ENLARGED BOAT RAMP DEMO PLAN & EXISTING PHOTOS
S3	ENLARGED BOAT RAMP PROPOSED SITE PLAN
D1 - D3	SITE DETAILS
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TOWN OFFICIALS

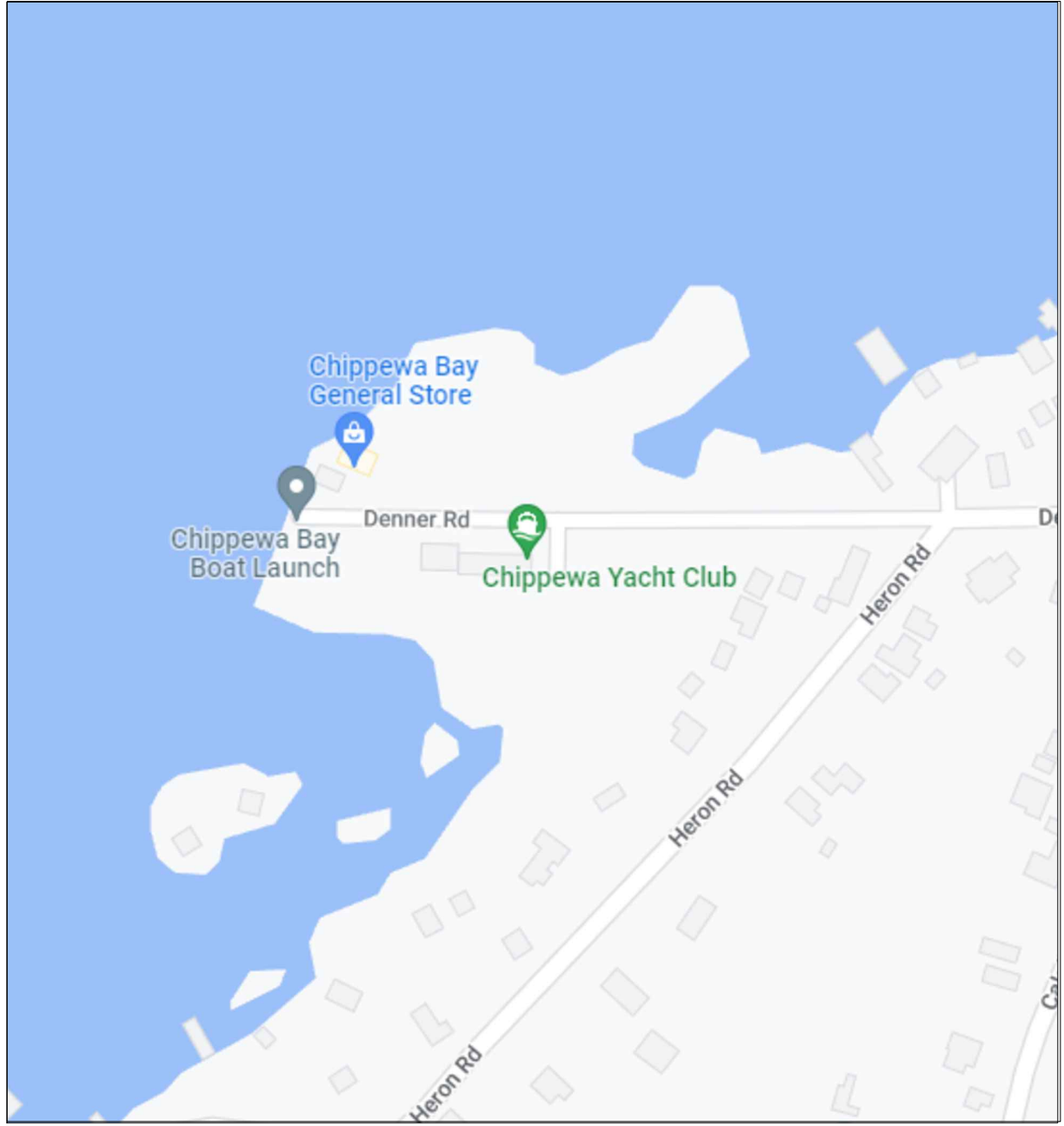
Town Supervisor	Ron Bertram
Deputy Supervisor	James Pitcher
Board Member	James Tague
Board Member	Theodore Elk
Board Member	James Furgison
Clerk	Pamela Burton

SEE AREA LOCATION MAP



ST LAWRENCE ENGINEERING DPC
745 GRAVES STREET, CLAYTON NY 13624
(315) 783-6384 (315) 408-7443
www.stlawrenceengineering.com

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF LICENSED ARCHITECT, PROFESSIONAL ENGINEER, LANDSCAPE ARCHITECT, OR LAND SURVEYOR TO ALTER ANY ITEM ON THIS DOCUMENT IN ANY WAY. ANY LICENSEE WHO ALTERS THIS DOCUMENT IS REQUIRED BY LAW TO AFFIX HIS OR HER SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS OR HER SIGNATURE AND SPECIFIC DESCRIPTION OF THE ALTERATIONS.



 **AREA LOCATION MAP**
Not to Scale

GENERAL NOTES:

- OWNERS NOTED ARE REPUTED OWNERS TAKEN FROM AVAILABLE TAX RECORDS.
- PROPERTY LINES ARE LOCATED FROM AVAILABLE TAX MAPS ON FILE IN THE JEFFERSON COUNTY CLERK'S OFFICE AND SHOULD BE CONSIDERED APPROXIMATE ONLY.
- ALL ELEVATIONS REFER TO USGS DATUM.
- UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS AND THEREFORE THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. THERE MAY BE OTHERS, THE LOCATION OF WHICH IS PRESENTLY NOT KNOWN.
- DETAILS ON THE DRAWINGS LABELED AS "NOT TO SCALE" ARE INTENTIONALLY DRAWN NOT TO SCALE FOR VISUAL CLARITY. ALL OTHER DETAILS FOR WHICH NO SCALE IS SHOWN ARE DRAWN PROPORTIONAL AND FULLY DIMENSIONED.
- THE CONTRACTOR IS ADVISED THAT ADDITIONAL "NOTES" WILL BE FOUND IN SUBSEQUENT SHEETS OF THE CONTRACT PLANS AND SPECIFICATIONS OR CONTRACT DRAWINGS AND SUCH "NOTES", WHILE PERTAINING TO THE SPECIFIC DRAWINGS THEY ARE PLACED ON, ALSO SUPPLEMENT THE GENERAL NOTES LISTED HEREIN AND IN THE SPECIFICATION OR CONTRACT DRAWINGS.
- THE ENGINEER SHALL BE NOTIFIED, IN WRITING, OF ALL CONDITIONS THAT VARY FROM THOSE SHOWN ON THE PLANS. THE CONTRACTOR'S WORK SHALL NOT VARY FROM THAT SHOWN ON THE PLANS WITHOUT THE EXPRESS APPROVAL OF THE ENGINEER.
- THE CONTRACTOR IS REQUIRED TO OBTAIN ALL PERMITS REQUIRED TO COMPLETE THE WORK AS SHOWN, UNLESS NOTED OTHERWISE.
- THE CONTRACTOR SHALL PERFORM ALL WORK WITH CARE SO THAT ANY MATERIALS WHICH ARE TO REMAIN IN PLACE, OR WHICH ARE TO REMAIN THE PROPERTY OF THE OWNER, WILL NOT BE DAMAGED. IF THE CONTRACTOR DAMAGES ANY MATERIALS WHICH ARE TO REMAIN IN PLACE OR WHICH ARE TO REMAIN THE PROPERTY OF THE OWNER, THE DAMAGED MATERIALS SHALL BE REPAIRED OR REPLACED IN A MANNER SATISFACTORY TO THE ENGINEER AT THE EXPENSE OF THE CONTRACTOR.
- THE CONTRACTOR SHALL KEEP THE SITE OF THE WORK AND ADJACENT PREMISES AS FREE FROM MATERIAL, DEBRIS AND RUBBISH AS IS PRACTICABLE. THE CONTRACTOR SHALL REMOVE ALL TEMPORARY STRUCTURES, SURPLUS MATERIAL, TOOLS, EQUIPMENT, IMPLEMENTS AND ALL OTHER MATERIALS CONNECTED WITH OR CAUSED BY THE WORK. THE CONTRACTOR SHALL LEAVE PREMISES IN AS GOOD A CONDITION AS WAS FOUND AT THE TIME OF THE BEGINNING OF THE CONTRACT.
- THE CONTRACTOR SHALL FENCE (TEMPORARY) ALL OPEN EXCAVATIONS OCCURRING AS PART OF PROJECT SCOPE OF WORK IN ACCORDANCE WITH LOCAL CODES, ORDINANCES, AND REQUIREMENTS OF AGENCIES HAVING JURISDICTION.
D.E.C. SPECIAL CONSIDERATIONS:

- DURING CONSTRUCTION NO WET OR FRESH CONCRETE OR LEACHATE SHALL BE ALLOWED TO ESCAPE INTO
THE WATER OF NEW YORK STATE NOR SHALL WASHINGS FROM RED-MIX TRUCKS, MIXERS OR OTHER DEVICES
BE ALLOWED TO ENTER ANY WETLAND OR WATERS.
- USE OF TIMBERS (WOOD) TREATED WITH PENTACHLOROPHENEL OR CREOSOTE (AND RELATED OIL BASE
TRANSPORT PRESERVATIVES) IS STRICTLY PROHIBITED.
- ANY DEBRIS OR EXCESS MATERIAL FROM CONSTRUCTION OF THIS PROJECT SHALL BE IMMEDIATELY AND
COMPLETELY REMOVED FROM THE BED AND BANKS OF ALL STREAM AREAS TO AN UPLAND DISPOSAL AREA.
- ALL DREDGED AND EXCAVATED MATERIAL SHALL BE DISPOSED IF ON AN UPLAND SITE AND BE SUITABLY
STABILIZED SO THAT IT CANNOT REENTER ANY WATER BODY OR WETLAND AREA.
- PERMEABLE BERMS OR OTHER MEANS TO CONTROL EROSION ARE TO BE USED ON THE DOWN-SLOPE EDGE OF
ANY DISTURBED AREAS ADJACENT TO WATER COURSE. THIS BARRIER TO SEDIMENTS IS TO BE PUT IN PLACE
BEFORE ANY DISTURBANCE OF THE GROUND OCCURS AND
IS TO BE MAINTAINED IN GOOD CONDITION UNTIL ALL DISTURBED LAND IS HEAVILY VEGETATED.
- EXCAVATED TOPSOIL MAY BE SEPERATED FROM SUBSOIL AND STOCK PILED. THE TOPSOIL, IF APPROVED BY
ENGINEER, IS TO BE USED AS FINAL SOIL COVER DURING SITE GRADING OPERATIONS.
- THE WORK SHALL BE GRADED TO MATCH AS UNIFORMLY AS POSSIBLE THE ELEVATION AND CONTOURS OF THE
UNDISTURBED LAND IMMEDIATELY ADJACENT TO THE WORK AREA.
- ALL AREAS OF SOIL DISTURBANCE RESULTING FROM THIS PROJECT SHALL BE PROTECTED FROM EROSION
FROM THE TIME OF INITIAL DISTURBANCE. DISTURBED AREAS SHALL BE SEEDED WITH AN APPROVED GRASS
SEED AND MULCHED WITH HAY OR STRAW WITHIN ONE WEEK OF FINAL GRADING.
MULCH SHALL BE MAINTAINED UNTIL A SUITABLE VEGETATIVE COVER HAS BEEN ESTABLISHED.
- IF SEEDING IS IMPRACTICAL DUE TO THE TIME OF YEAR, A TEMPORARY MULCH SHALL BE APPLIED AND
MAINTAINED AND FINAL SEEDING SHALL BE PERFORMED DURING THE FIRST PERIOD AFTER PROJECT
COMPLETION WHEN WEATHER CONDITIONS FAVOR GERMINATION AND GROWTH.
- IMMEDIATELY FOLLOWING PROJECT COMPLETION, ANY AREAS OF EXCAVATION AT ENTRY AND EXIT POINTS
TO A STREAM SHALL BE RESTORED TO THEIR NATURAL CONDITION AND STABILIZED BY SEEDING AND
MULCHING OR BY PLACEMENT OF NATURAL STONE RIPRAP.
- ANY INSTREAM RIVER BED AND BANKS WORK REQUIRED FOR THE CROSSING OF THE RIVER OR STREAM
SHALL BE ACCOMPLISHED IN ACCORDANCE WITH NYSDEC REQUIREMENTS.
- DURING PERIODS OF WORK ACTIVITY, FLOW PAST THE SITE WILL EQUAL FLOW IMMEDIATELY UPSTREAM OF
THE SITE UNLESS SPECIFICALLY PERMITTED OTHERWISE.
- THE STREAM OR RIVER PIPELINE CROSSING TRENCH SHALL BE OPENED; INSTALLATION ACCOMPLISHED AND
BACKFILLED IN ONE CONTINUOUS OPERATION. CONTRACTOR SHALL SUBMIT COFFERDAM DETAILS FOR
APPROVAL AND COMPLY WITH ALL NYSDEC AND U.S. ARMY CORP. OF ENGINEER PERMIT CONDITIONS.
- ALL NECESSARY PRECAUTIONS SHALL BE TAKEN TO PRECLUDE THE CONTAMINATION OF ANY WETLAND OR
WATERWAY BY SUSPENDED SOLIDS, SEDIMENT, FUELS, SOLVENTS, LUBRICANTS, EPOXY COATINGS, PAINTS,
CONCRETE, LEACHATE OR ANY OTHER ENVIRONMENTALLY DELETERIOUS SUBSTANCE ASSOCIATED WITH THE PROJECT. CONTRACTOR SHALL SUBMIT EROSION AND SEDIMENT CONTROL PLAN FOR APPROVAL
AND COMPLY WITH ALL NYSDEC AND U.S. ARMY CORP. OF ENGINEERS PERMIT CONDITIONS.
- NO GARBAGE, LOOSE PAPERS OR TOXIC OR HAZARDOUS MATERIALS SHALL BE USED AS FILL.






















FLOATING DOCK NOTES

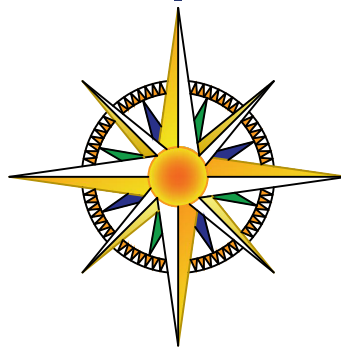
- CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT FLOATING DOCK DESIGN AND CONSTRUCTION ADHERE TO PROJECT SPECIFICATIONS, APPLICABLE LOCAL, STATE AND FEDERAL CODES, AND IS ADEQUATELY DESIGNED FOR THE PROPOSED USE.
- THE CONTRACTOR SHALL SUPPLY COMPLETE STRUCTURAL CALCULATIONS TO ACCOMPANY THE SHOP DRAWINGS AND SUBMITTALS. THESE STRUCTURAL CALCULATIONS SHALL INCLUDE SYSTEM ANCHORAGE, STRUCTURAL DESIGN, AND FLotation. ALL STRUCTURAL CALCULATIONS SHALL BEAR THE SIGNATURE AND SEAL OF A STATE OF NEW YORK LICENSED PROFESSIONAL ENGINEER. THE ENGINEER PROVIDING THE STRUCTURAL CERTIFICATION SHALL HAVE EXPERIENCE AS A PROFESSIONAL ENGINEER SPECIALIZING IN FLOATING DOCK DESIGN.
- THE PROPOSED DOCKS AND OTHER NECESSARY MATERIALS WILL BE CONFINED TO A STAGING AREA CONFIRMED PRIOR TO CONSTRUCTION. THE CONTRACTOR'S TRAILER WILL ALSO BE LOCATED IN THIS AREA.
- CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING TEMPORARY UTILITY SERVICES, AS NEEDED FOR CONSTRUCTION.
- CONTRACTOR TO INCLUDE ALL COSTS TO FURNISH AND INSTALL A FLOATING DOCK COMPLETE SYSTEM, INCLUDING, BUT NOT LIMITED TO, CLEATS, FENDER, WALKWAYS, PIERS, GANGWAYS, AND ANCHORAGE WITH ALL ASSOCIATED MARINE HARDWARE IN THE BASE BID.
- CONTRACTOR MUST ENSURE THAT THE MAIN FLOATING WALKWAY IS ABLE TO SUPPORT THE APPROPRIATELY SIZED GANGWAY AND MEET ALL PROJECT PERFORMANCE SPECIFICATIONS FOR LEVEL AND FREEBOARD

EROSION AND SEDIMENT CONTROL NOTES

- ALL EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL, AND LOCAL GOVERNING SOIL AND WATER CONSERVATION AGENCY RECOMMENDATIONS AND STANDARDS. CONTRACTOR SHALL SUBMIT PROPOSED EROSION CONTROL PLAN INCLUDING SEQUENCING OF WORK TO THE ENGINEER FOR REVIEW PRIOR TO START OF WORK.
- UTILIZE CONSTRUCTION METHODS/TECHNIQUES, WHICH WILL LIMIT THE EXPOSED EARTHEN AREAS AND MINIMIZE THE EFFECT OF EARTH DISTURBANCE ACTIVITIES ON SOIL EROSION. THE AREA OF DISTURBANCE SHALL BE LIMITED TO A MAXIMUM OF 5 ACRES UNLESS OTHERWISE APPROVED BY THE ENGINEER.
- ALL SEDIMENTATION BARRIERS AND OTHER TEMPORARY OR PERMANENT MEASURES SHALL BE IN PLACE PRIOR TO THE START OF CONSTRUCTION.
- REMOVAL OF ALL TEMPORARY EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE UNDERTAKEN ONCE SUITABLE VEGETATIVE COVER HAS BEEN ESTABLISHED AND APPROVAL OF THE OWNER AND ENGINEER HAS BEEN RECEIVED. THE COST OF REMOVING THESE MEASURES SHALL ALSO BE INCLUDED IN THE BID PRICE.
- DURING CONSTRUCTION NO WET OR FRESH CONCRETE OR LEACHATE SHALL BE ALLOWED TO ESCAPE INTO STORM/SANITARY SEWERS, DITCHES OR OTHER WATERS OF NEW YORK STATE, NOR SHALL WASHINGS FROM CONCRETE TRUCKS, MIXERS OR OTHER DEVICES BE ALLOWED TO ENTER ANY STORM/SANITARY SEWERS, DITCHES, RIVERS, OR WATER COURSES.
- ALL EXCAVATED OR IMPORTED EARTHEN STOCKPILES SHALL BE SUITABLY STABILIZED AND PROTECTED BY SILT FENCE SO THAT IT CANNOT REASONABLY ENTER ANY WATER BODY, OR STORM OR SANITARY SEWER.
- ALL METHODS AND EQUIPMENT PROPOSED BY THE CONTRACTOR TO ACCOMPLISH THE WORK FOR EROSION AND POLLUTION CONTROL SHALL BE SUBJECT TO APPROVAL OF THE ENGINEER.
- ALL AREAS OF SOIL DISTURBANCE RESULTING FROM THIS PROJECT WHICH WILL NOT BE SUBJECT TO FURTHER EARTHWORK OR CONSTRUCTION ACTIVITIES SHALL BE PERMANENTLY SEEDED TO ESTABLISH GRASS AND MULCHED WITH HAY OR STRAW WITHIN ONE WEEK OF FINAL DISTURBANCE. MULCH SHALL BE MAINTAINED UNTIL A SUITABLE VEGETATIVE COVER IS ESTABLISHED.
- CONTRACTOR STAGING AREAS AND CONSTRUCTION ENTRANCE LOCATIONS SHALL BE COORDINATED WITH THE OWNER PRIOR TO START OF CONSTRUCTION. STABILIZED CONSTRUCTION ENTRANCE(S), AS SHOWN ON THE PLANS SHALL BE PROVIDED. ALL DISTURBED AREAS SHALL BE RESTORED.
- ALL CATCH BASINS/DRAINAGE INLETS SHALL HAVE STONED INLET PROTECTION AROUND THEM AND GEOTEXTILE FABRIC OVER THE GRATE TO PREVENT SEDIMENTATION FROM ENTERING THE STORM SYSTEM.

LEGEND:

EXISTING SYMBOLS	PROPOSED SYMBOLS
 PAVED ROAD/PAVED DRIVE	 PROPOSED FLOATING DOCK
 UNPAVED ROAD/UNPAVED DRIVE	 PROPOSED CONCRETE BOAT RAMP
 SIDEWALK	 PROPOSED KAYAK LAUNCH
 PROPERTY LINE	 PROPOSED LIGHT POLE
 STONE WALL	
 EXISTING LIGHT POLE	
 EXISTING POWER POLE	
 EXISTING MAILBOX	
 EXISTING SINGLE POST SIGN	
 EXISTING DOUBLE POST SIGN	
 BUILDING	
 WATER EDGE	
 EXISTING MAJOR CONTOUR	
 EXISTING MINOR CONTOUR	
 HIGH WATER ELEVATION	
 LOW WATER ELEVATION	
 EXISTING GRADE	



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CLIENT: TOWN OF HAMMOND
PROJECT: CHIPPEWA BAY BOAT LAUNCH

DRAWN BY: CHECKED BY: RJC SCALE: 1" = 20'

OVERALL SITE PLAN

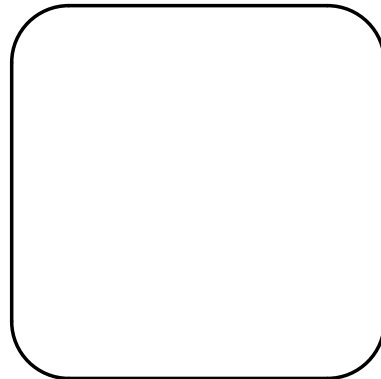
DATE:
REVISED:



OVERALL SITE PLAN
SCALE: 1" = 60'-0"

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CLIENT: TOWN OF HAMMOND
PROJECT: CHIPPEWA BAY BOAT LAUNCH

DRAWN BY: _____ CHECKED BY: RJC _____

DATE: _____
REVISED: _____

SCALE: 1" = 20'

DATE: _____
REVISED: _____

OVERALL SITE PLAN

CHIPPEWA BAY POINTS		S10	9.2
POINTS	WATER DEPTH (FT)	S11	9.0
S1	7.5	S12	5.8
S2	8.6	S13	4.5
S3	9.2	S14	6.8
S4	7.8	S15	7.0
S5	6.8	S16	5.1
S6	8.5	S17	6.3
S7	8.4	S18	4.8
S8	6.8	S19	3.0
S9	6.7	S20	3.0



EXISTING CONDITION 1
SCALE: NOT TO SCALE



EXISTING CONDITION 2
SCALE: NOT TO SCALE



EXISTING CONDITION 3
SCALE: NOT TO SCALE



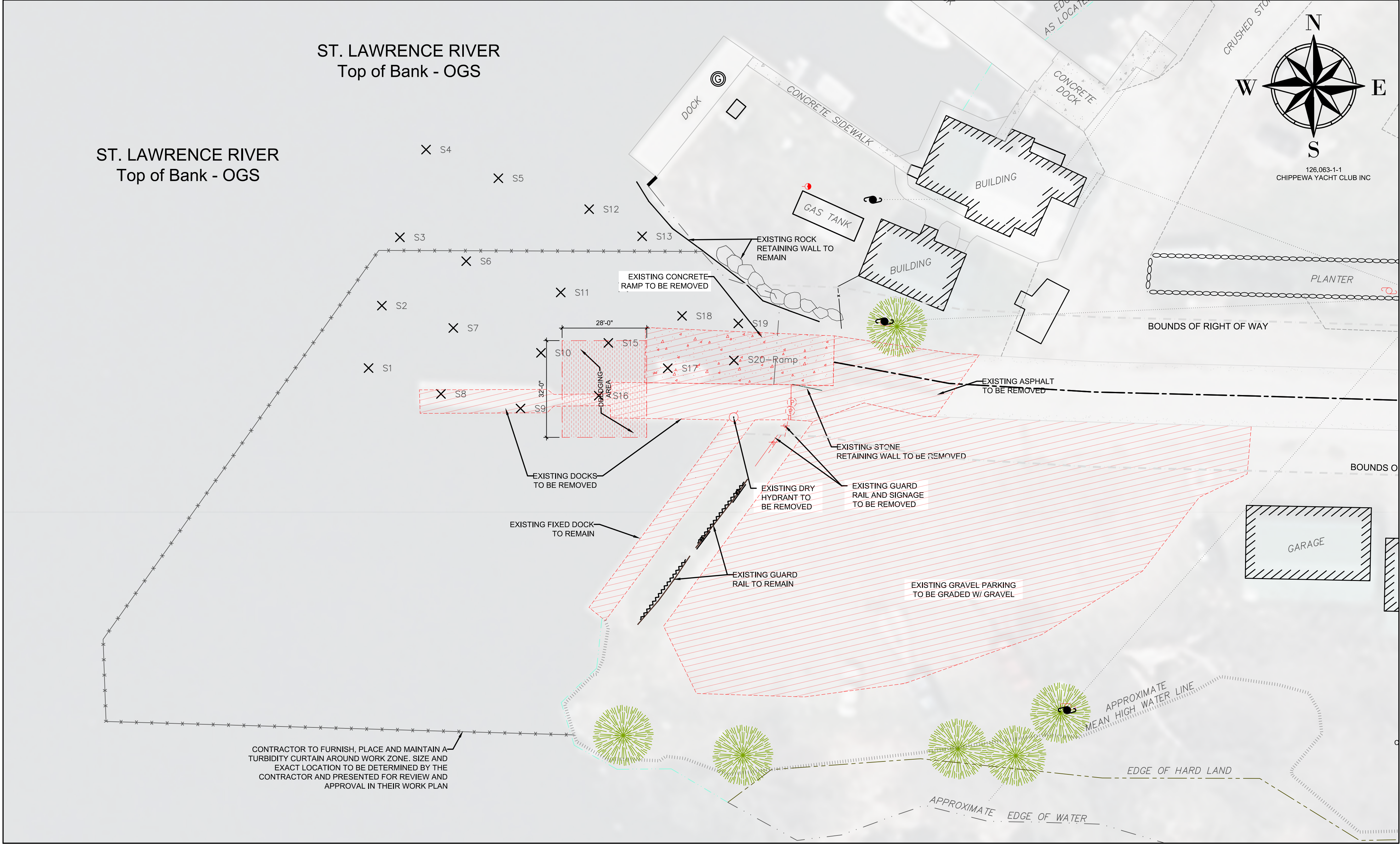
EXISTING CONDITION 4
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EXISTING CONDITION 5
SCALE: NOT TO SCALE



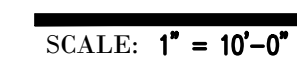
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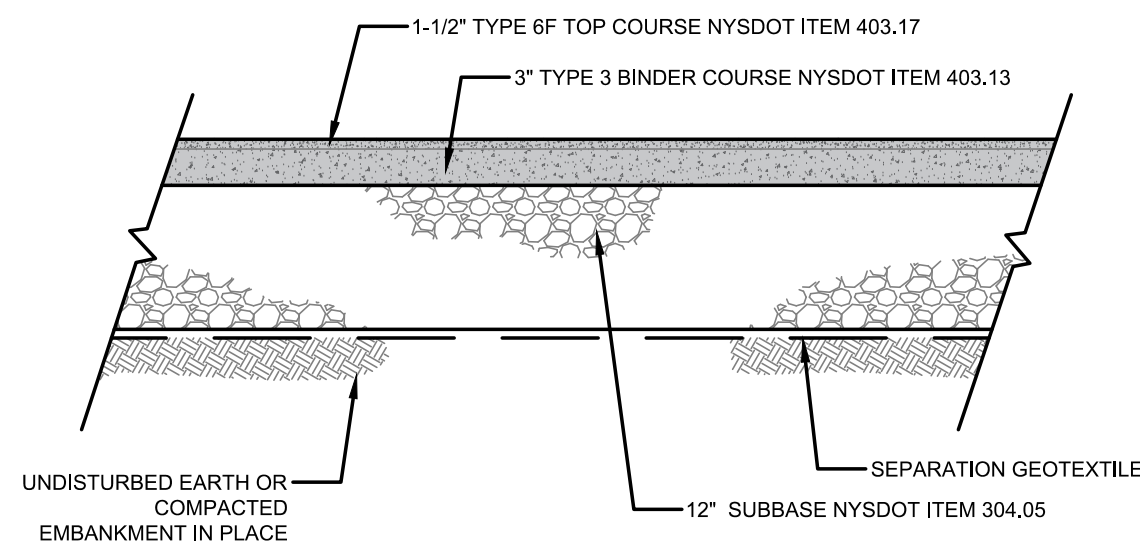


DEMOLITION SITE PLAN
SCALE: 1" = 20'-0"

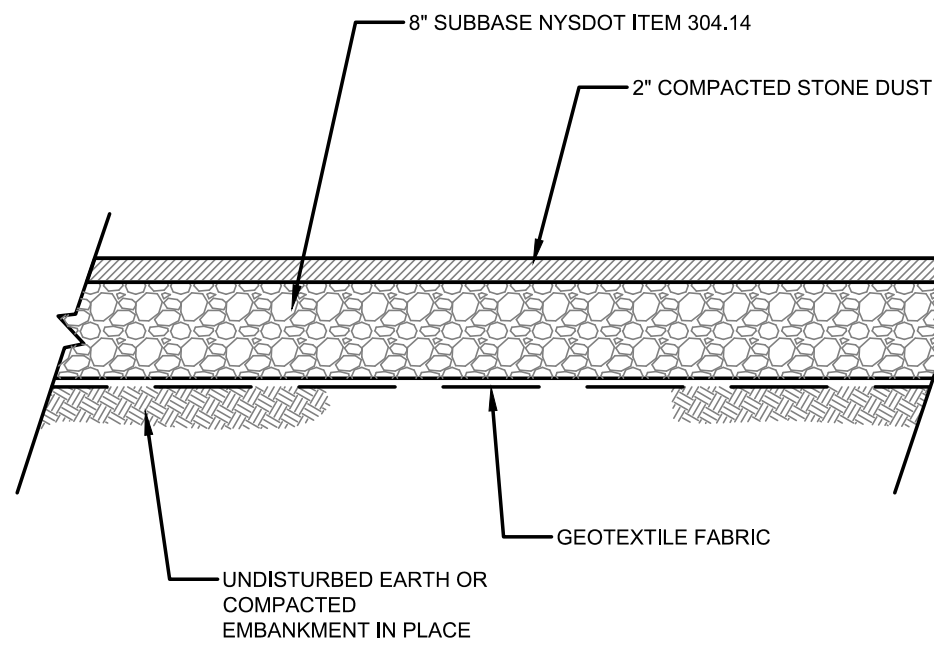
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SCALE: 1" = 20'-0"

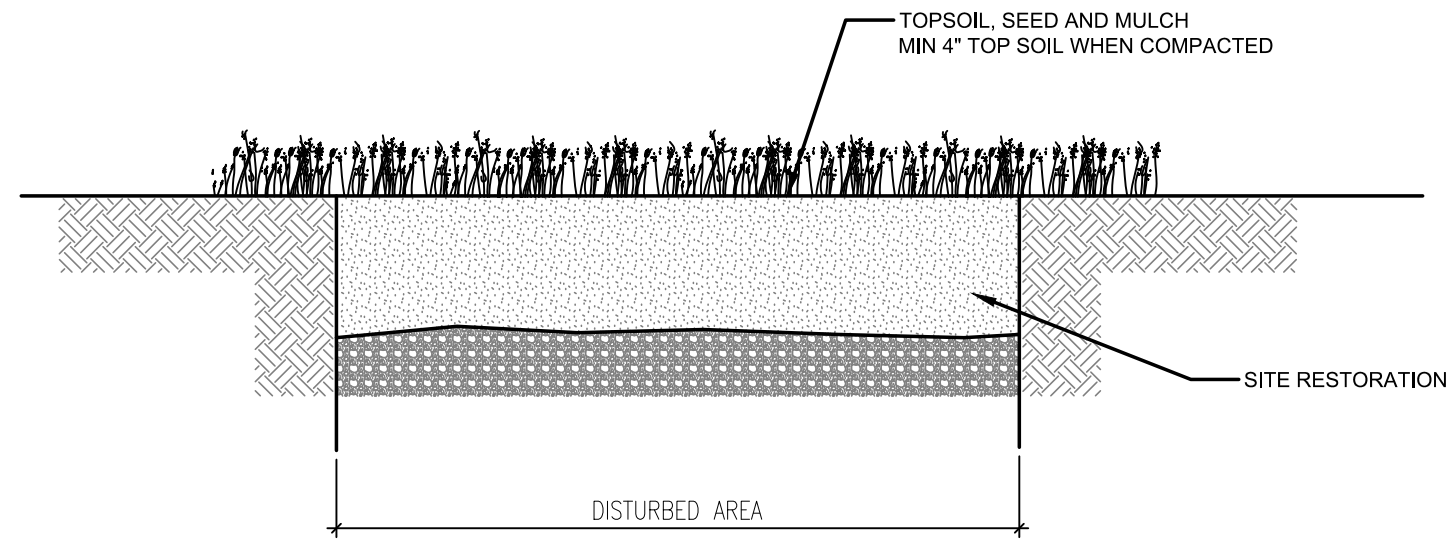




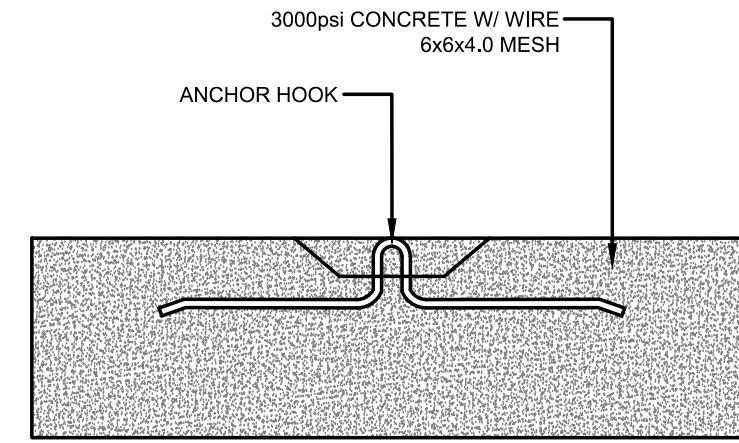
NEW & REPLACEMENT ASPHALT PAVEMENT DETAIL
SCALE: NTS



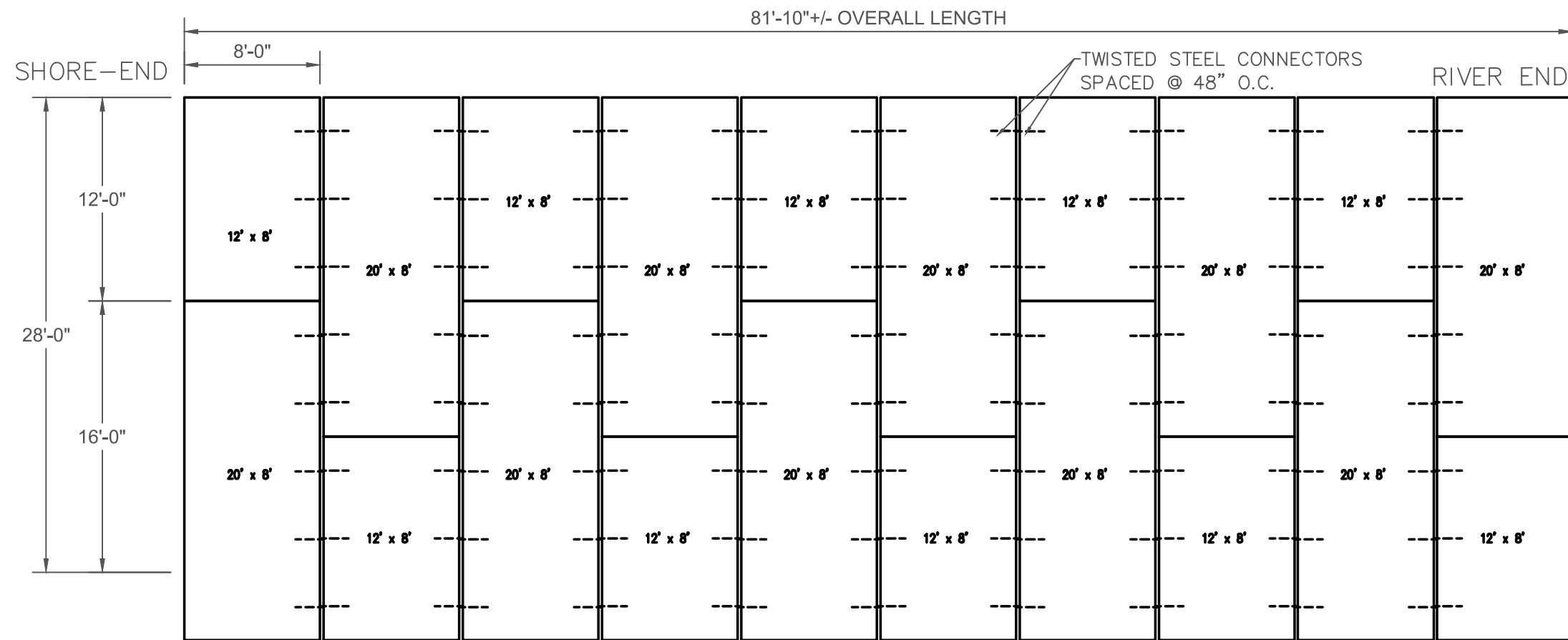
GRAVEL DRIVEWAY DETAIL
SCALE: NTS



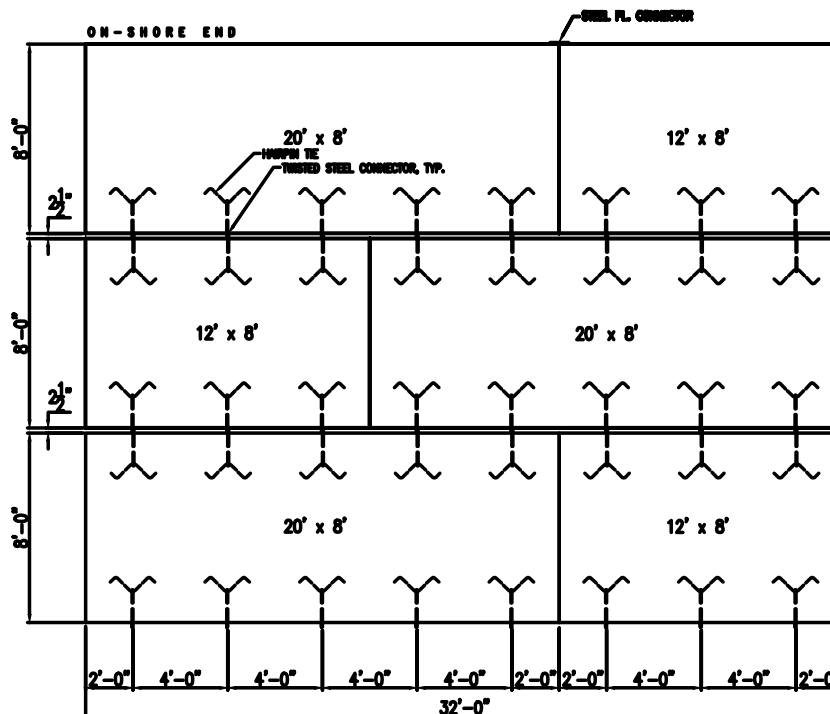
SUITABLE ON-SITE MATERIAL AS APPROVED BY THE ENGINEER (NO MATERIAL IN EXCESS OF 6" IN SIZE)
LAWN RESTORATION DETAIL
SCALE: NTS



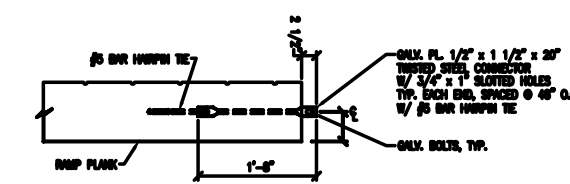
ANCHOR BLOCK DETAIL
SCALE: NTS



PRECAST BOAT RAMP LAYOUT PLAN (NOT TO SCALE)



TYP. CONNECTOR PLAN VIEW (NOT TO SCALE)



TYP. CONNECTOR DETAIL (NOT TO SCALE)
(48" O.C. SPACING STAGGER
CONNECTORS IN OPPOSING PLANK 1/2")

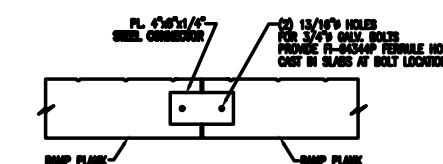
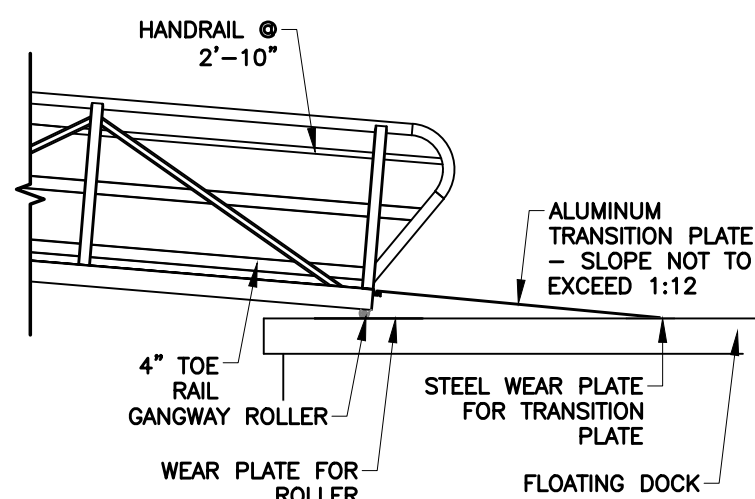


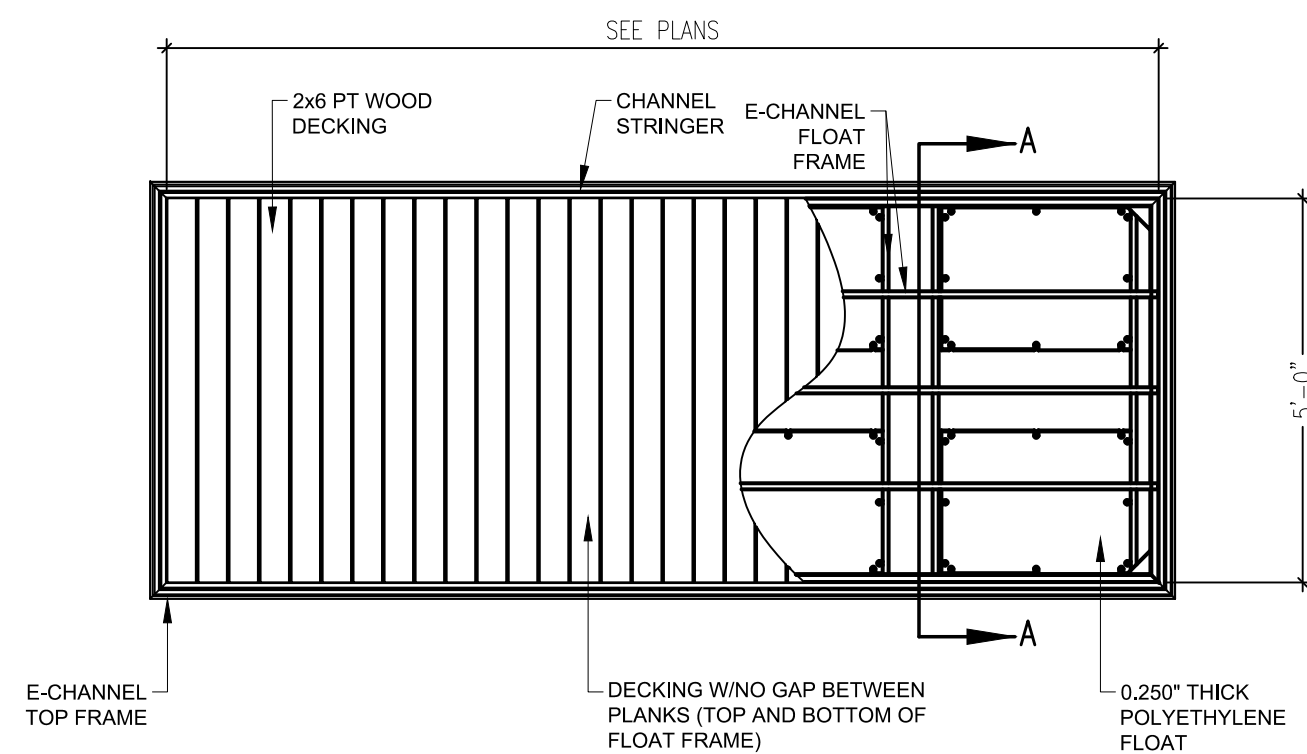
PLATE CONNECTOR DETAIL (NOT TO SCALE)
(ON-SHORE END)

BOAT RAMP DETAILS

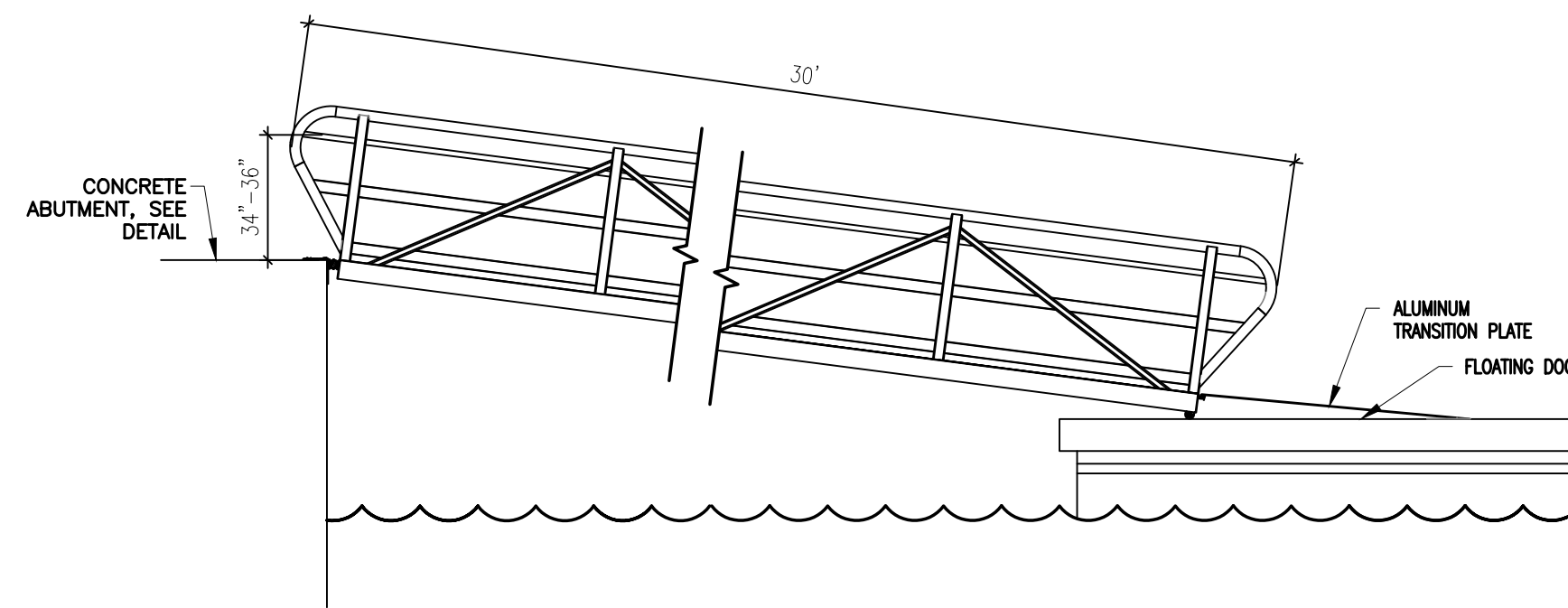
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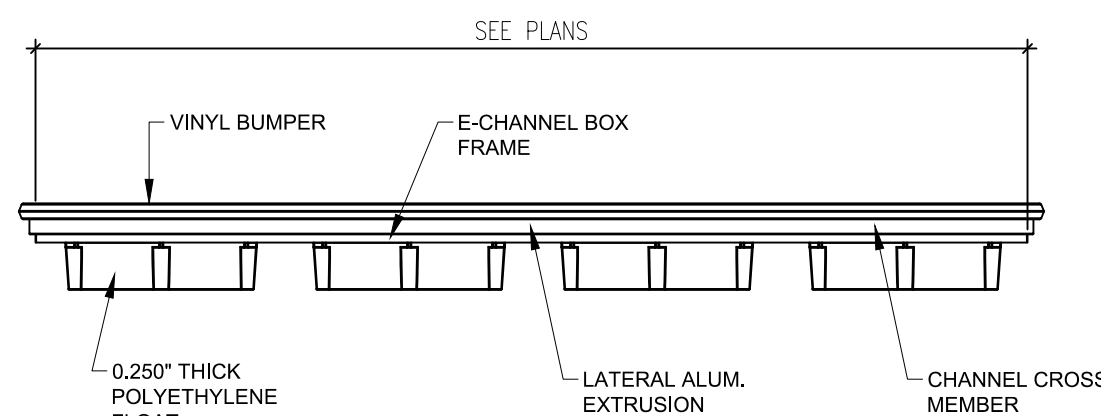
GANGWAY TRANSITION DETAIL
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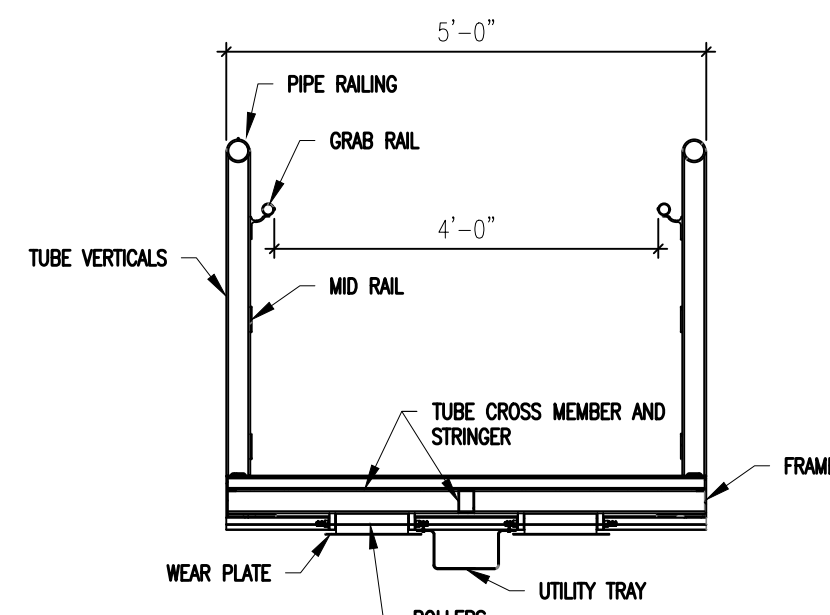
PLAN
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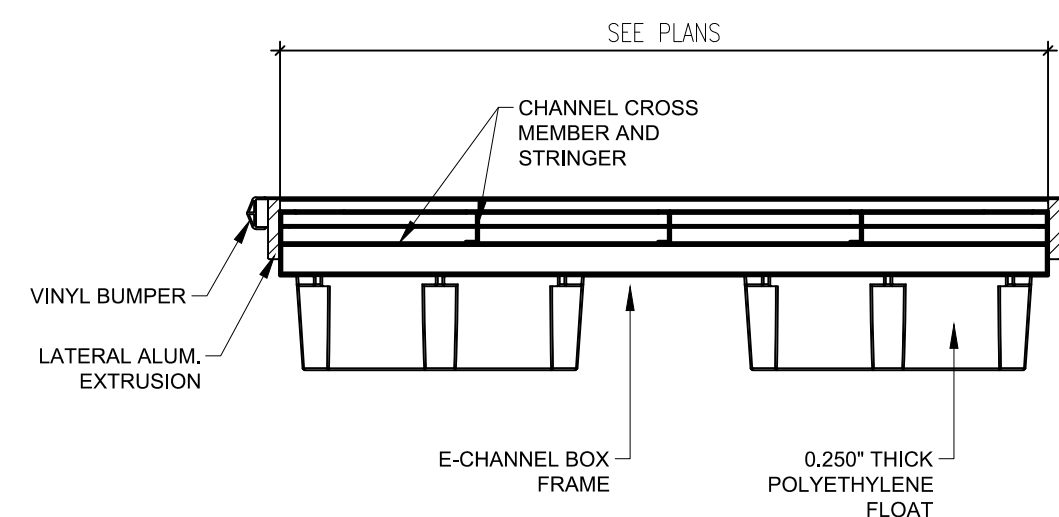
GANGWAY ELEVATION
SCALE: NOT TO SCALE



ELEVATION
SCALE: NOT TO SCALE



GANGWAY SECTION
SCALE: NOT TO SCALE



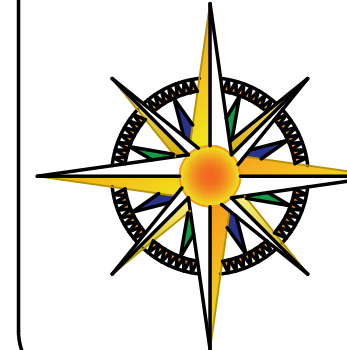
SECTION
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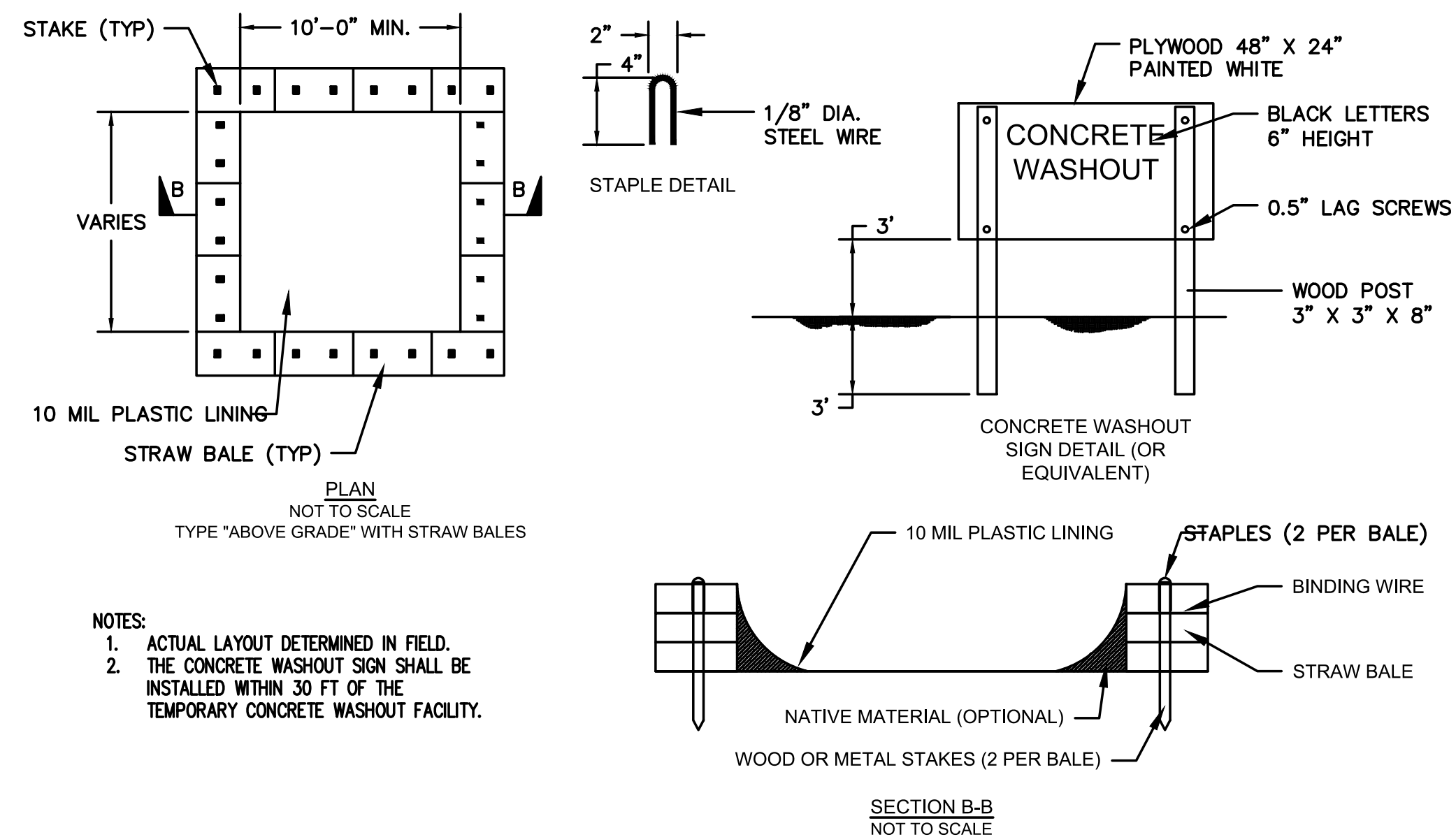
CLIENT: TOWN OF HAMMOND
PROJECT: CHIPPEWA BAY BOAT LAUNCH
REDI PROJECT SJ.2

SITE DETAILS

D1

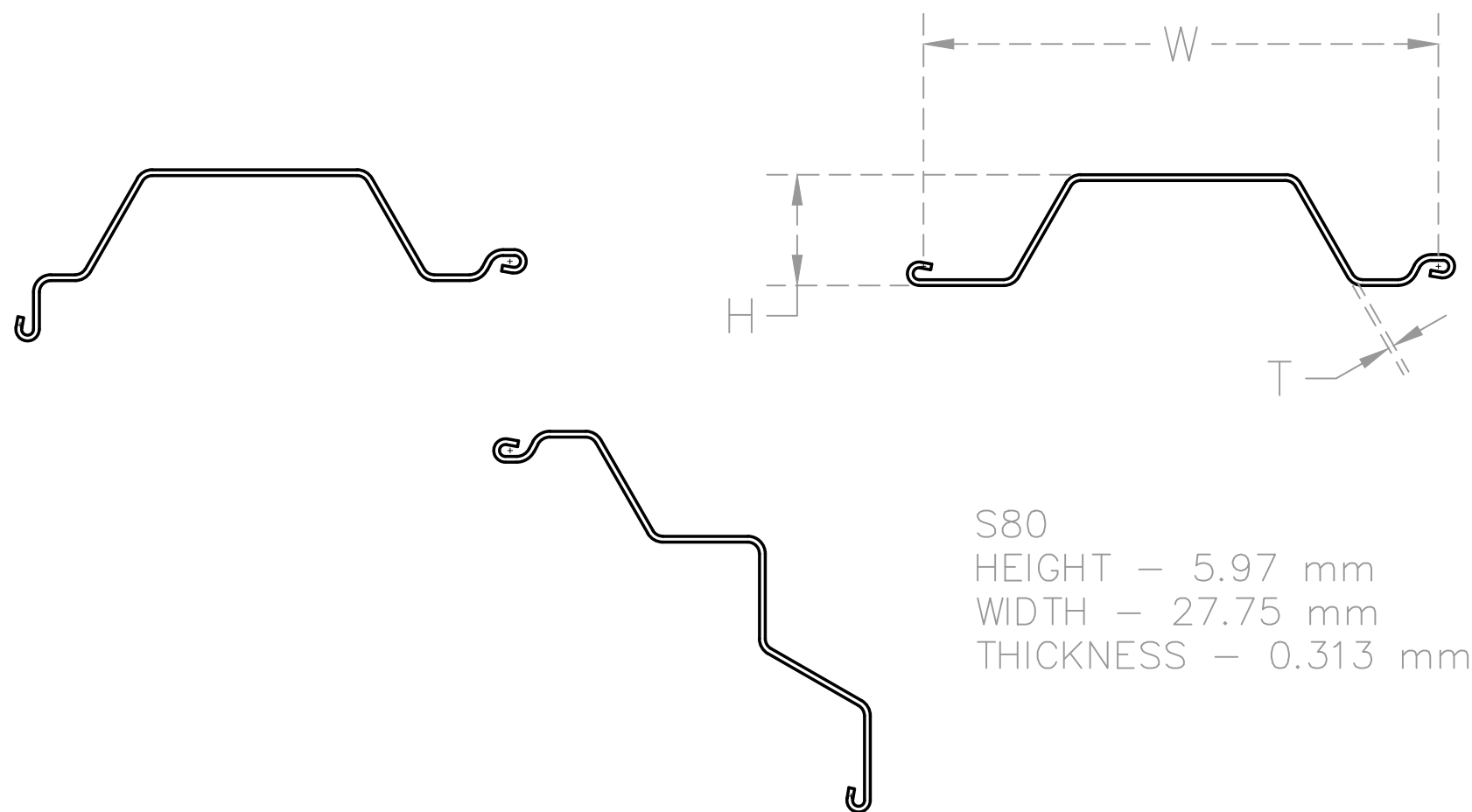
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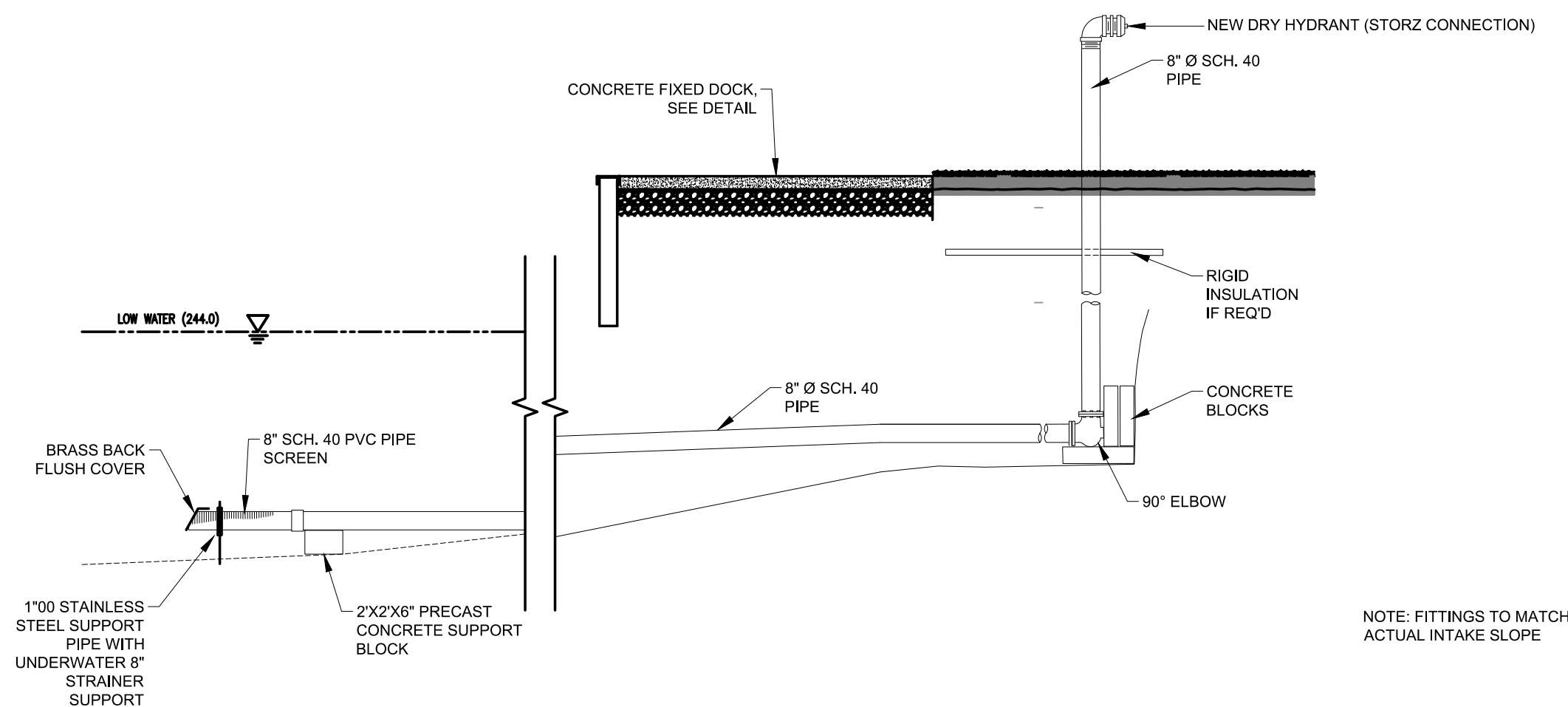
CONCRETE TRUCK ABOVE GRADE WASHOUT DETAIL

SCALE: NTS



SHEET PILE DETAIL

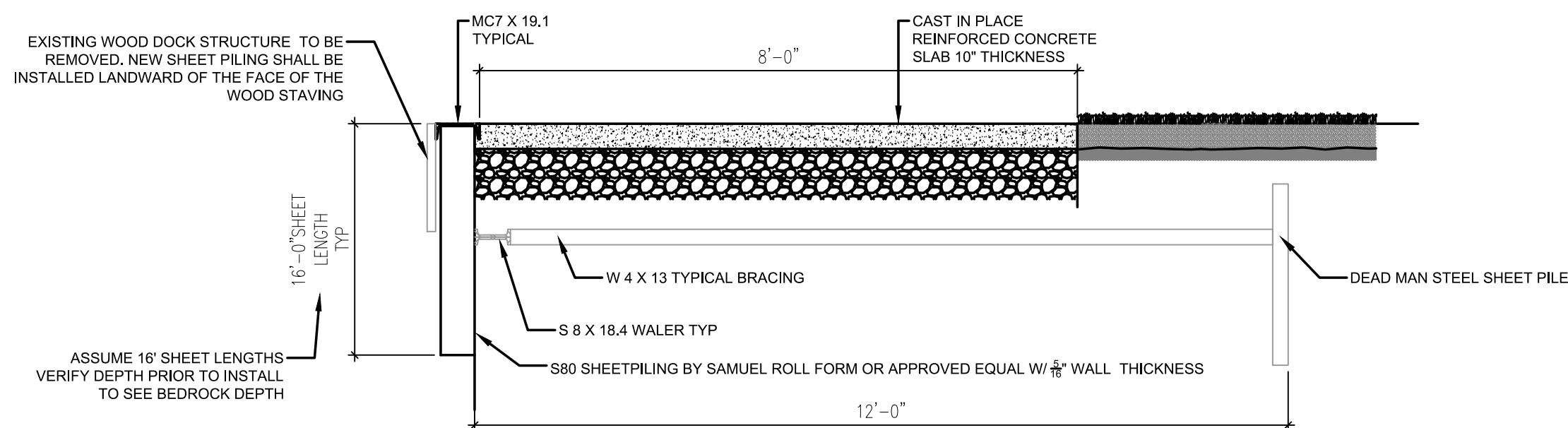
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DRY HYDRANT DETAIL

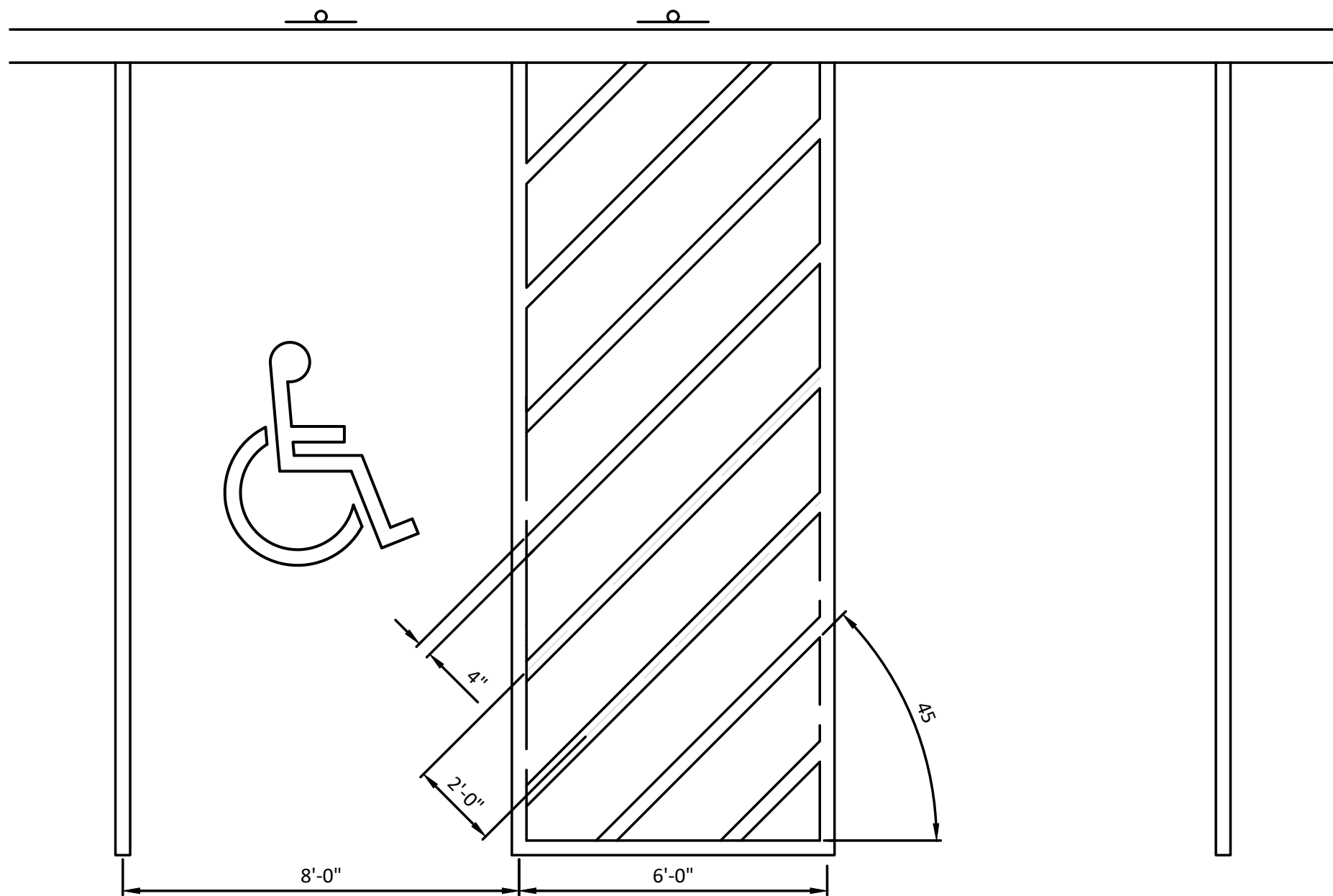
SCALE: NOT TO SCALE

TABULATION OF DRY HYDRANT COMPONENTS				
ITEM	QUANTITY	BASIS OF DESIGN		
STORZ Dry Hydrant	1	8" 90 degree PVC	8" 90 degree Item No.	Fire Hose Direct or approved equal
PVC strainer w/ Back Flush Cover	1	8" x 40" long PVC	Horizontal 8" Item No.	Fire Hose Direct or approved equal
Strainer Support	1	8" Strainer Support	Underwater 8" Item No.	Fire Hose Direct or approved equal
1" Stainless Steel support pipe	1	4 feet long	3/4" 304SS Sch 40 pipe (1" OD) Item No. 4813K53	McMaster-Carr or approved equal



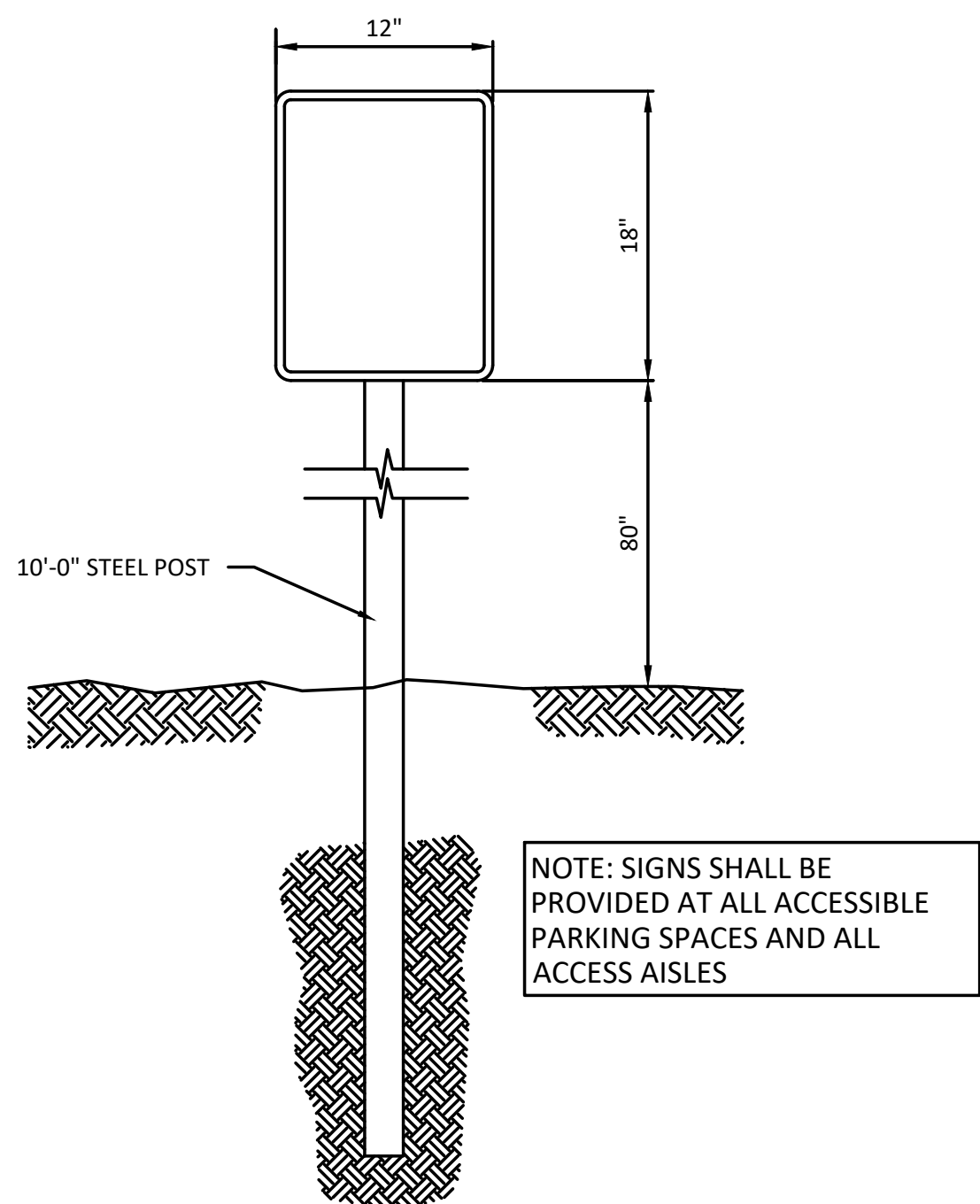
NEW SHEET PILE BULKHEAD & CONCRETE WALK DETAIL

SCALE: NTS



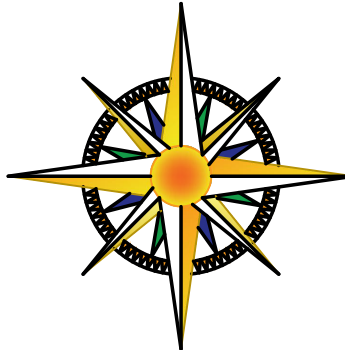
ACCESSIBLE PARKING SPACE DETATIL

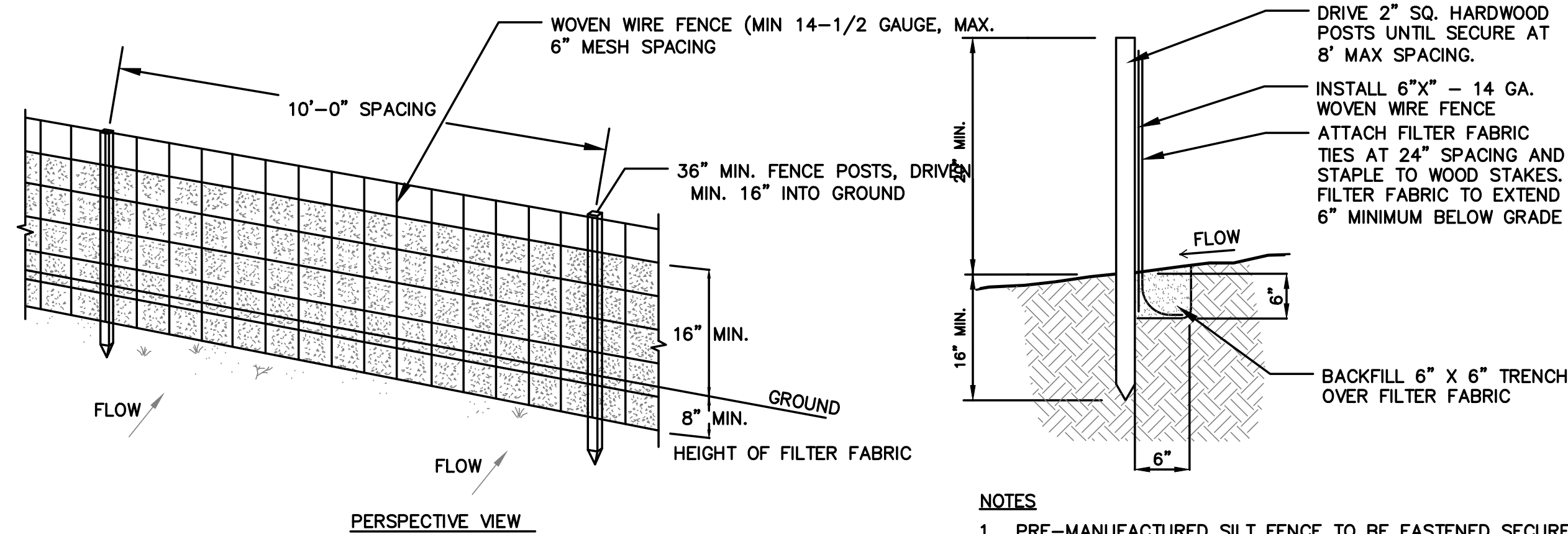
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ACCESSIBLE PARKING SIGN DETATIL

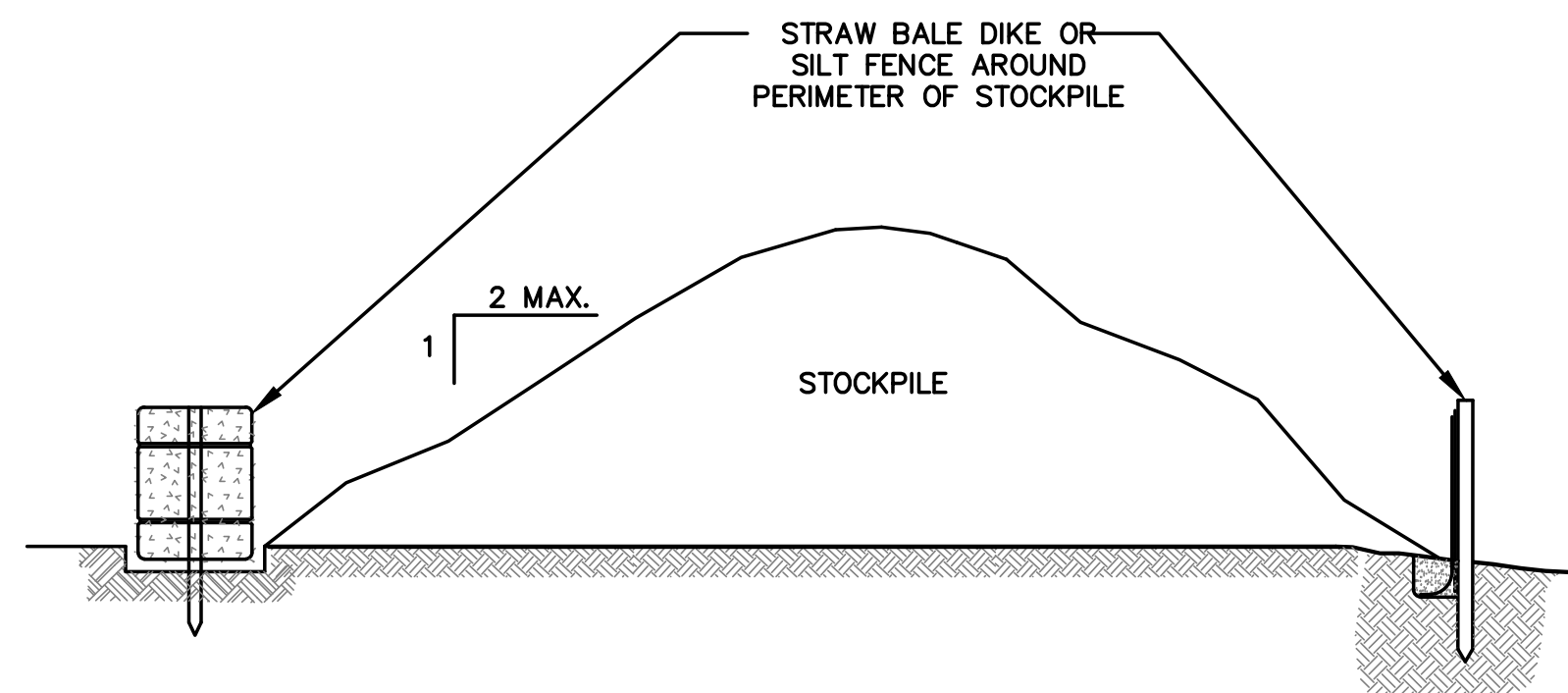
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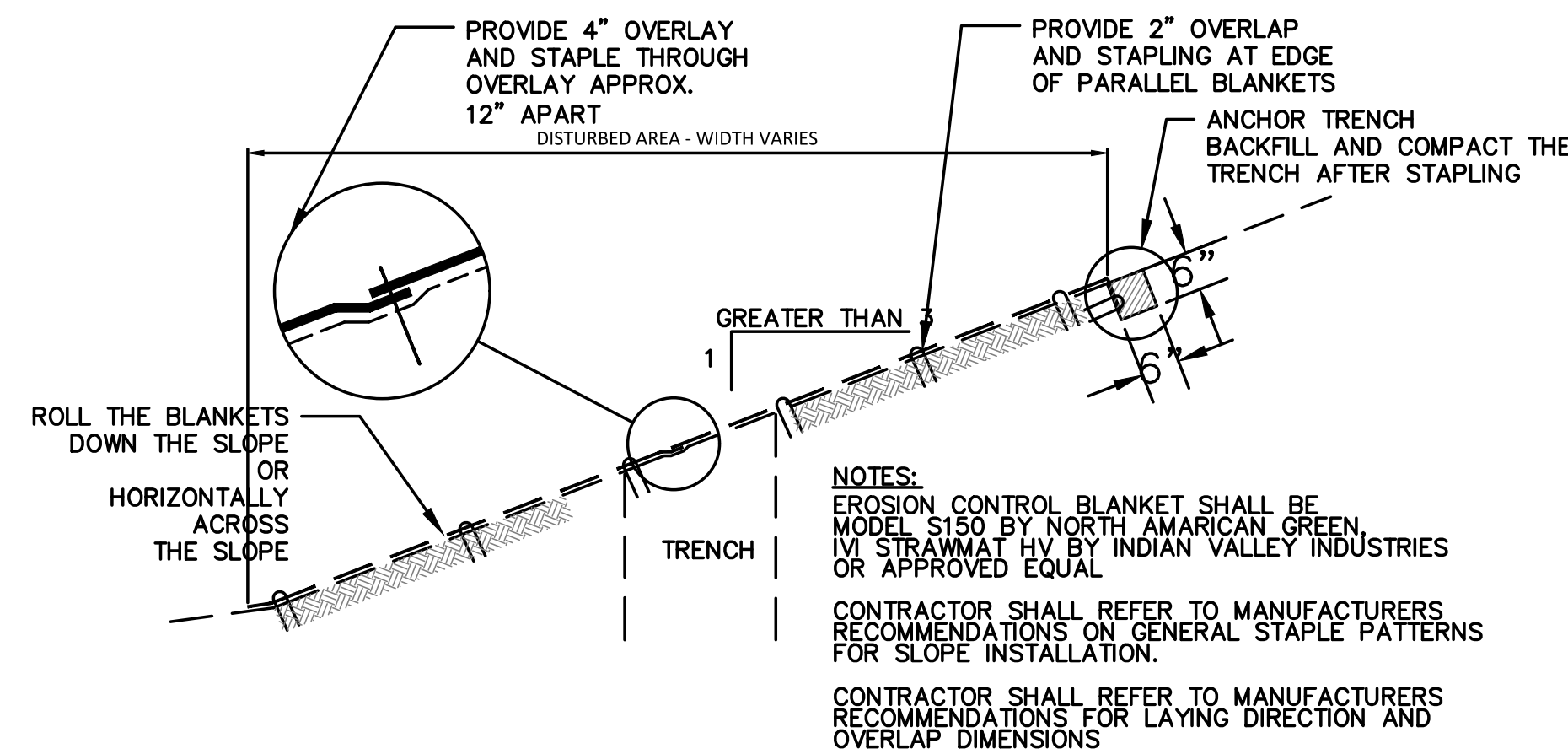
TYPICAL SILT FENCE DETAILS

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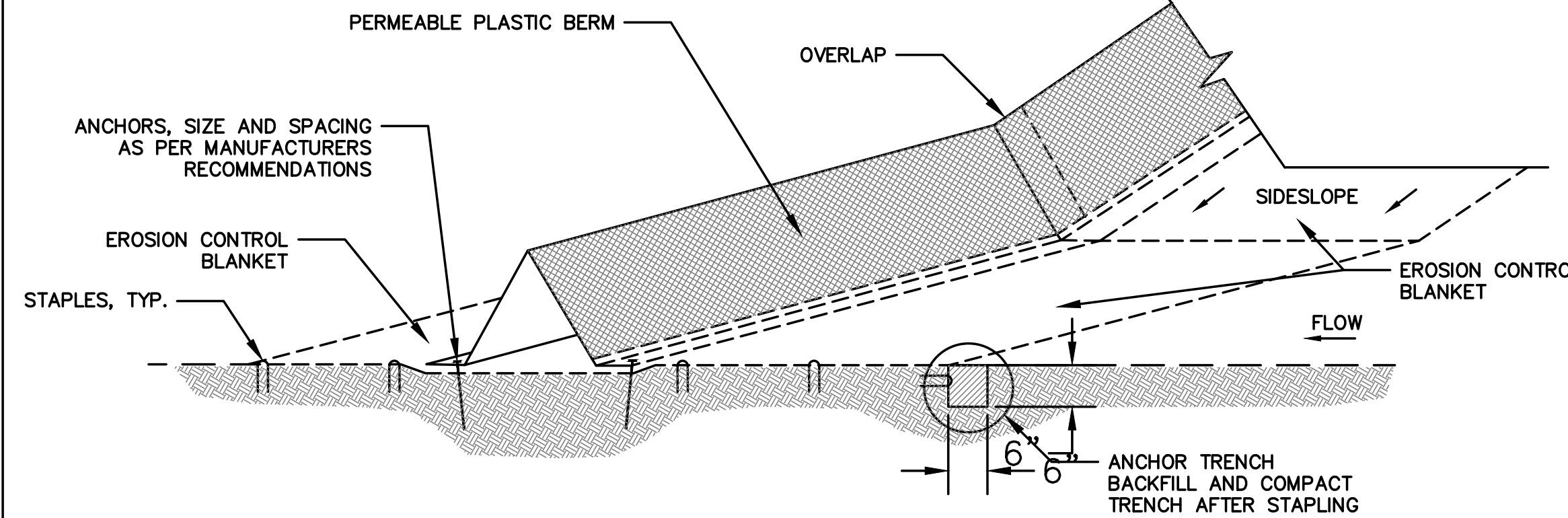
TYPICAL SOIL STOCK PIPE DETAIL

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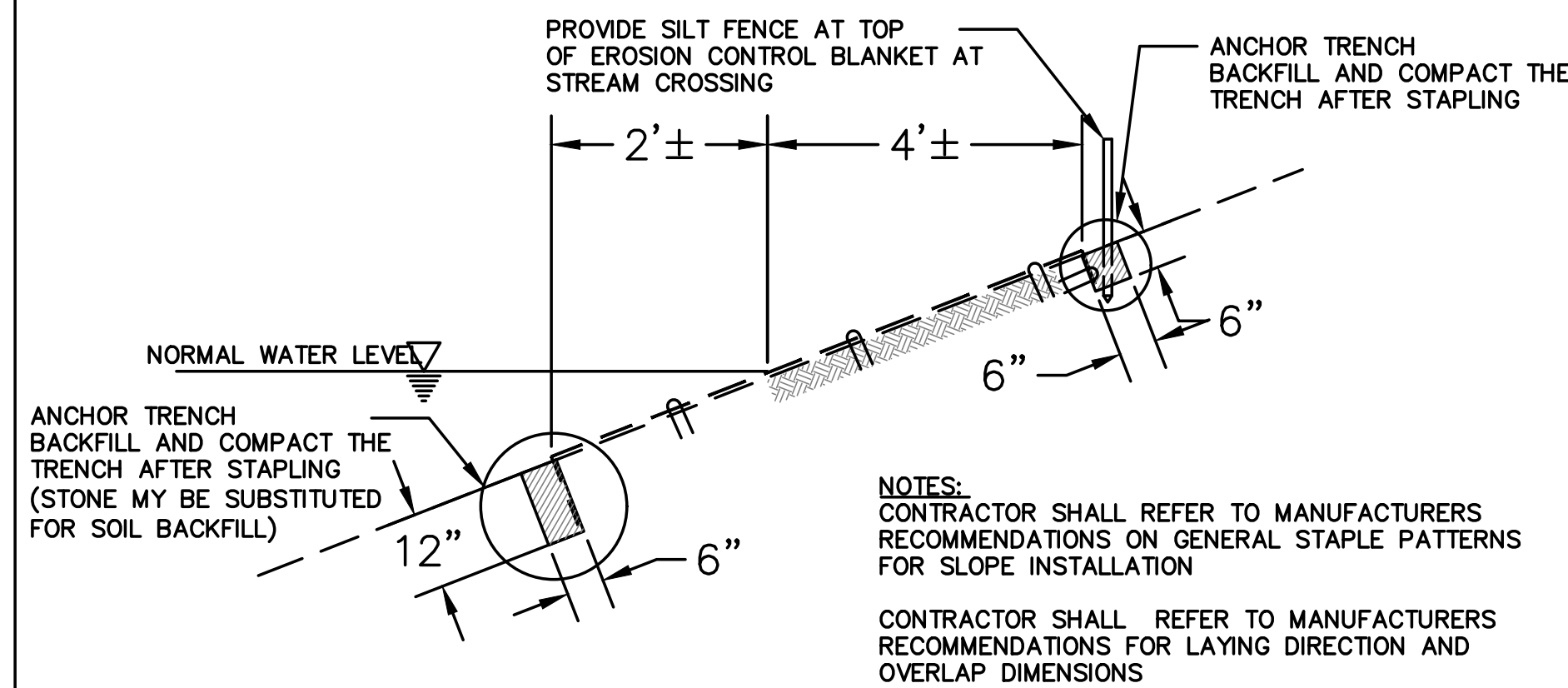
TYPICAL SIDE SLOPE DETAIL - EROSION CONTROL BLANKET

SCALE: NOT TO SCALE



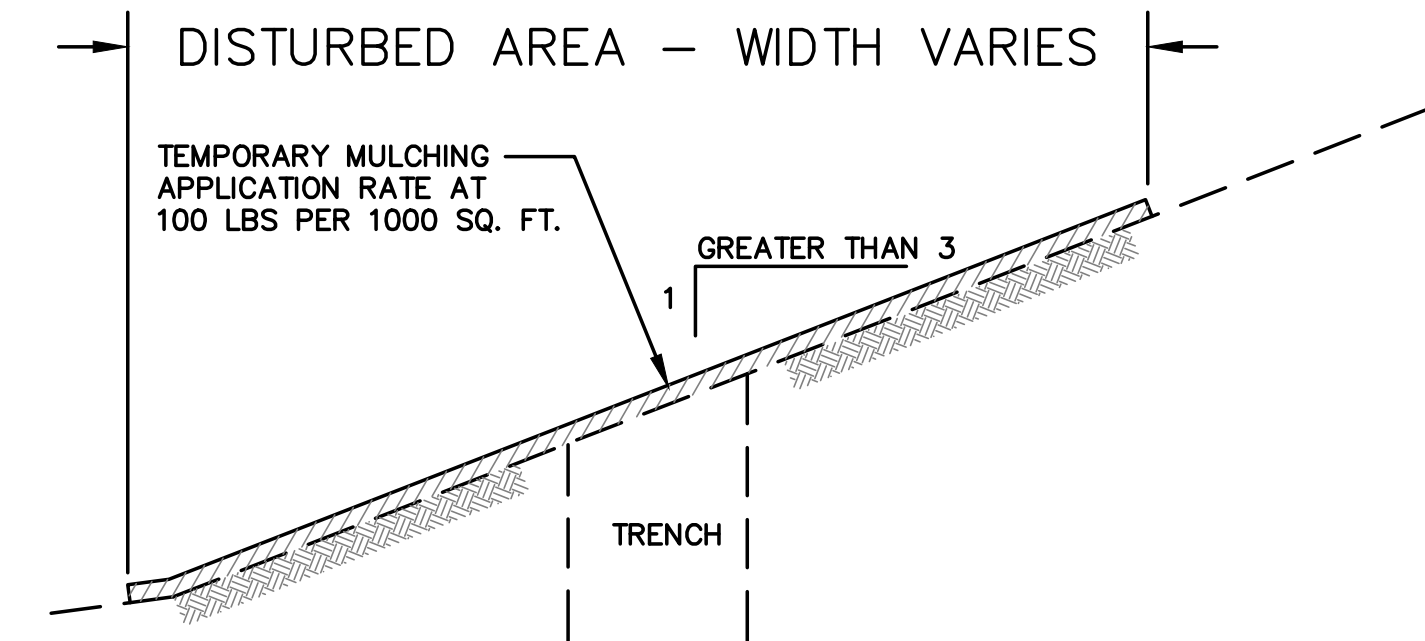
PERMEABLE PLASTIC BERM DETAIL

SCALE: NOT TO SCALE



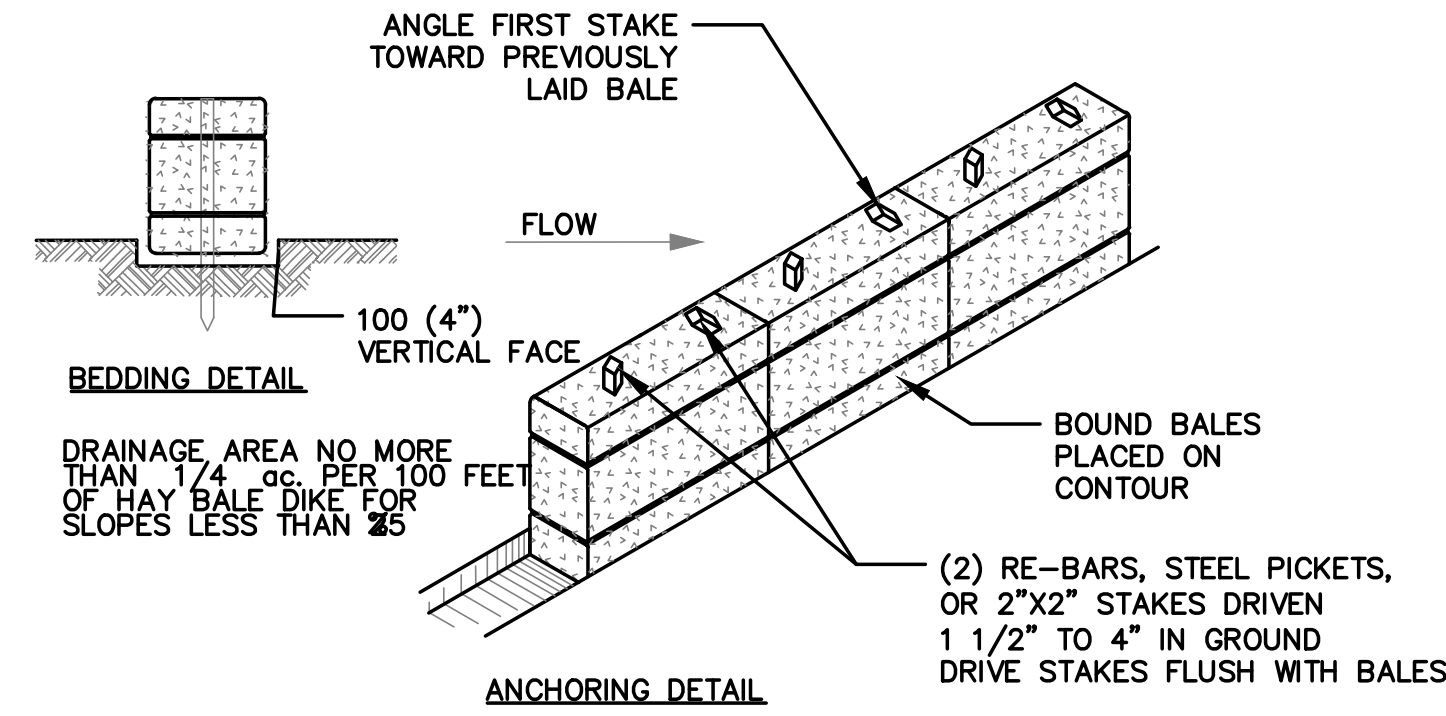
TYPICAL EROSION CONTROL AT STREAM CROSSING DETAIL

SCALE: NOT TO SCALE



TYPICAL EROSION CONTROL DETAIL - TEMPORARY MULCHING

SCALE: NOT TO SCALE

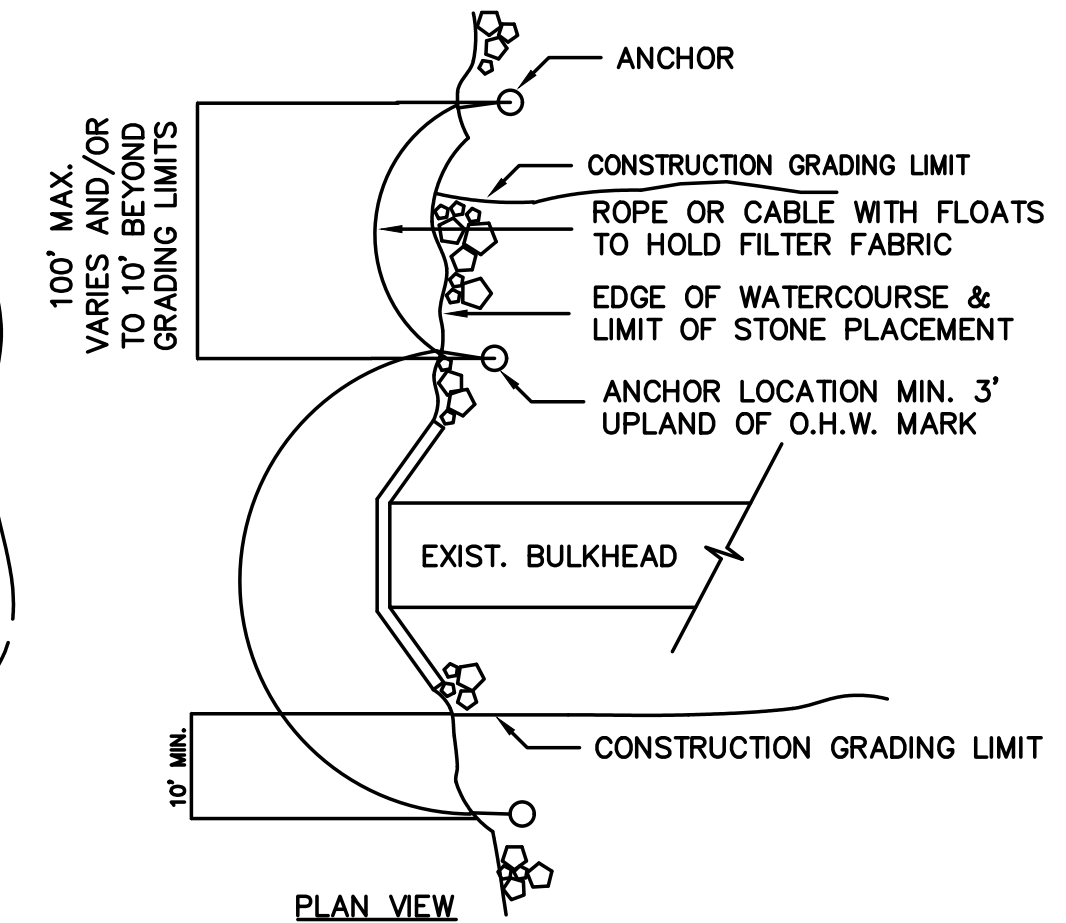
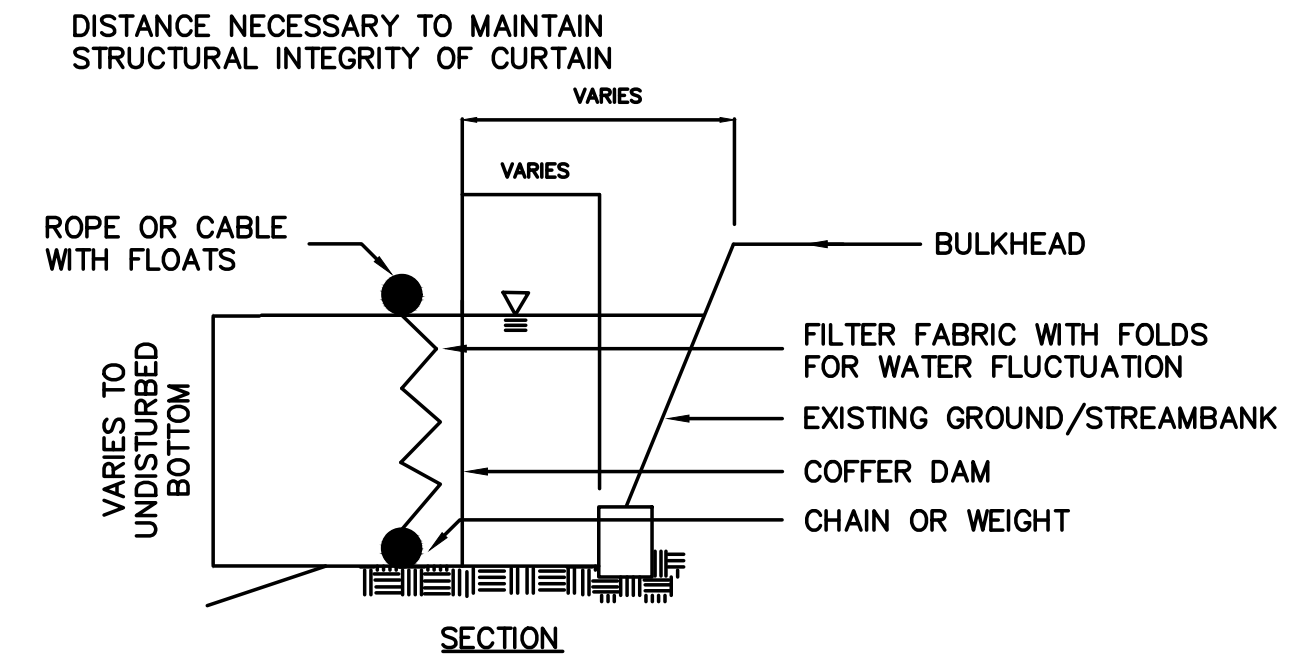


CONSTRUCTION SPECIFICATIONS

- BALES SHALL BE PLACED AT THE TOE OF A SLOPE OR ON THE CONTOUR AND IN A ROW WITH ENDS TIGHTLY ABUTTING THE ADJACENT BALES.
- EACH BALE SHALL BE EMBEDDED IN THE SOIL A MINIMUM OF 4" AND PLACED SO THE BINDINGS ARE HORIZONTAL.
- BALES SHALL BE SECURELY ANCHORED IN PLACE BY EITHER TWO STAKES OR RE-BARS DRIVEN THROUGH THE BALE. THE FIRST STAKE IN EACH BALE SHALL BE DRIVEN TOWARD THE PREVIOUSLY LAID BALE AT AN ANGLE TO FORCE THE BALES TOGETHER. STAKES SHALL BE DRIVEN FLUSH WITH THE BALE.
- INSPECTION SHALL BE FREQUENT AND REPAIR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
- BALES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFULNESS SO AS NOT TO BLOCK OR IMPEDE STORM FLOW DRAINAGE.

TYPICAL STRAW BALE DIKE DETAIL

SCALE: NOT TO SCALE



FLOATING TURBIDITY NOTES:

- THE TURBIDITY CURTAIN SHALL BE LOCATED BEYOND THE LATERAL LIMITS OF THE CONSTRUCTION SITE AND FIRMLY ANCHORED IN PLACE, THE HEIGHT OF THE CURTAIN SHALL BE TWENTY (20) PERCENT GREATER THAN THE DEPTH OF THE WATER AT MHW (MEAN HIGH WATER) TO ALLOW FOR WATER LEVEL FLUCTUATIONS, THE ANCHOR LOCATION OF THE TURBIDITY CURTAIN SHALL BE AT LEAST THREE (3) FEET MINIMUM HIGHER THAN THE WATER ELEVATION AT MHW UNLESS APPROVED BY THE ENGINEER.
- THE AREA OF PROPOSED INSTALLATION OF THE CURTAIN SHALL BE INSPECTED FOR OBSTACLES AND IMPEDIMENTS THAT COULD DAMAGE THE CURTAIN OR IMPAIR ITS EFFECTIVENESS TO RETAIN SEDIMENT. ALL MATERIALS SHALL BE REMOVED SO THEY CANNOT ENTER THE WATERWAY.
- SUPPLEMENTAL ANCHORS OF THE TURBIDITY CURTAIN TOE SHALL BE USED AS NEEDED ON THE WATER SURFACE TO ACCOUNT FOR DISTURBANCES SUCH AS BOATS AND WAVE ACTION BY WINDS.
- THE TURBIDITY CURTAIN SHALL BE INSPECTED DAILY AND REPAIRED OR REPLACED IMMEDIATELY IF NEEDED, THE CURTAIN SHALL REMAIN IN PLACE FOR A MINIMUM OF TWELVE (12) HOURS AFTER TERMINATION OF CONSTRUCTION. THE CURTAIN SHALL BE REMOVED BY CAREFULLY PULLING IT TOWARD THE CONSTRUCTION SITE TO MINIMIZE THE RELEASE OF ATTACHED SEDIMENT. ANY FLOATING CONSTRUCTION OR OTHER DEBRIS SHALL BE IMMEDIATELY REMOVED TO PREVENT DAMAGE TO THE CURTAIN.

TURBIDITY CURTAIN

SCALE: NOT TO SCALE

