

**INDEX**

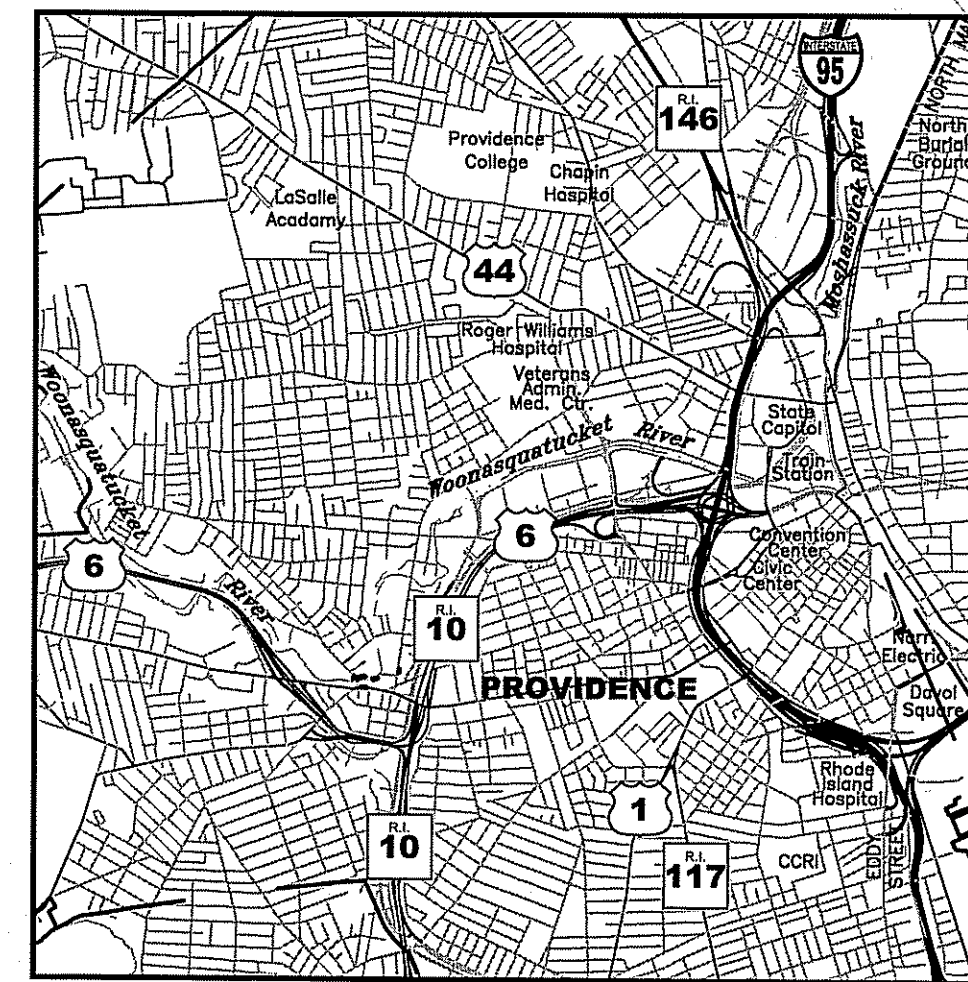
SHEET NO.	DESCRIPTION
1	COVER SHEET
2	PLAN SYMBOLS & LEGEND
3	STANDARD NOTES
4	JOB SPECIFIC PLAN SYMBOLS, LEGEND & NOTES
5	TYPICAL SECTIONS
6	GENERAL PLAN NO. 1
7	GENERAL PLAN NO. 2
8	DRAINAGE & UTILITY PLAN NO. 1
9	DRAINAGE & UTILITY PLAN NO. 2
10	DETAILS NO. 1
11	DETAILS NO. 2
12	LANDSCAPE PLAN NO. 1
13	LANDSCAPE PLAN NO. 2
14	LANDSCAPE DETAILS NO. 1
15	LANDSCAPE DETAILS NO. 2
16	LANDSCAPE DETAILS NO. 3
17-24	CROSS SECTIONS 1-8

**CITY OF PROVIDENCE**

**PLANS OF  
SAN SOUCI DRIVE SEPARATED BICYCLE  
AND PEDESTRIAN FACILITY AND  
WOONASQUATUCKET GATEWAY**

**PAVEMENT STRUCTURE**

- XX BITUMINOUS CONCRETE SURFACE COURSE
- XX BITUMINOUS CONCRETE BASE COURSE
- XX GRAVEL BORROW SUBBASE COURSE

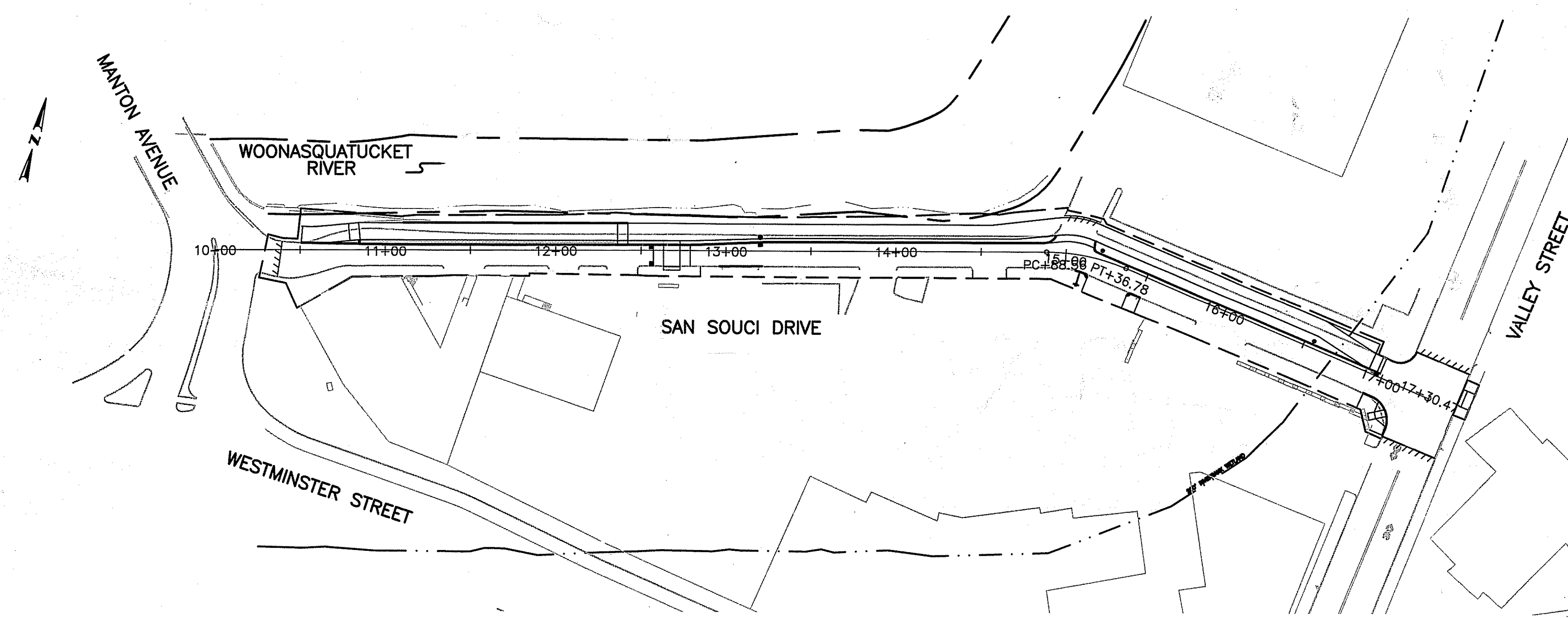


**LOCATION MAP**  
SCALE: 1"=3600'

DESIGN	DESIGNATION
AADT	XX V.P.D.
AADT	XX V.P.D.
D	XX/XX
K	XX%
T	XX%
DDHV	XX V.P.H.
DHV	XX V.P.D.
DESIGN SPEED	XX M.P.H.

**HURRICANE EVACUATION ROUTE**  
This project includes work on a designated Hurricane Evacuation and Diversionary Route as follows:  
- Intersection of ... (example)  
- A Street between ... (example)  
- Jamestown Bridge (example)  
Refer to Note xx on Sheet xx

**R.I. STANDARD SPECIFICATIONS AND STANDARD DETAILS**  
SPECIFICATIONS TO GOVERN THIS PROJECT ARE THE R.I. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AMENDED AUGUST 2013, WITH ALL REVISIONS AND THE STATE AND FEDERAL SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS. STANDARD DETAILS FOR THIS PROJECT ARE R.I. STANDARD DETAILS, 1998 EDITION, WITH ALL REVISIONS.

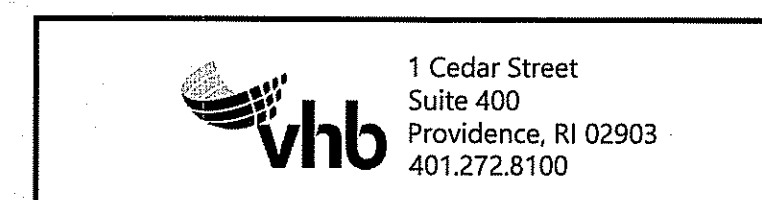


**LAYOUT PLAN**  
SCALE

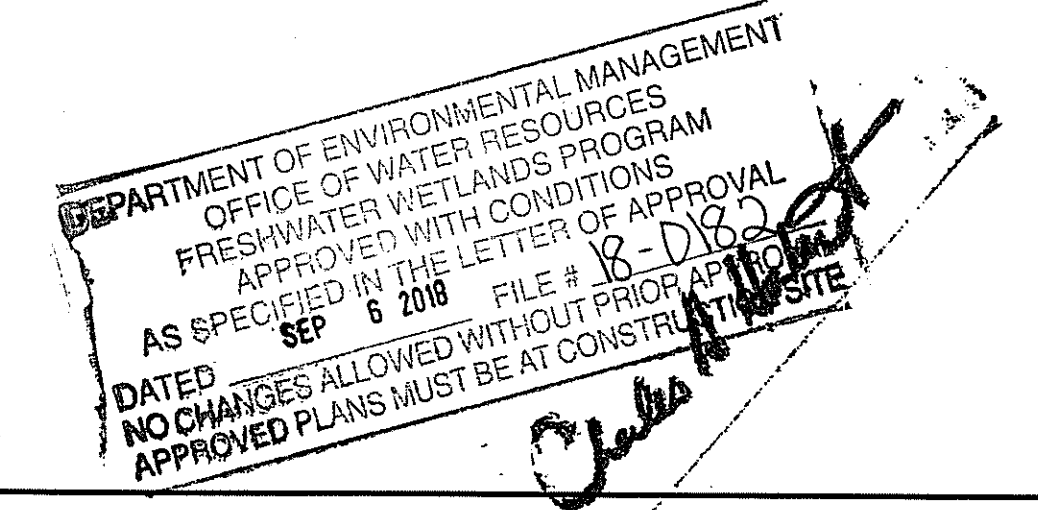
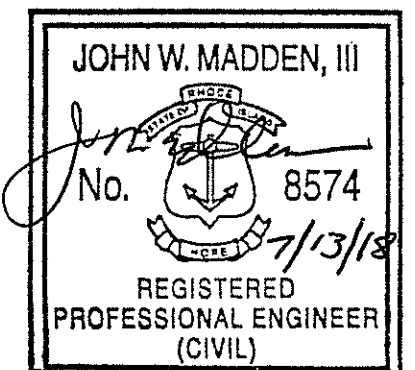
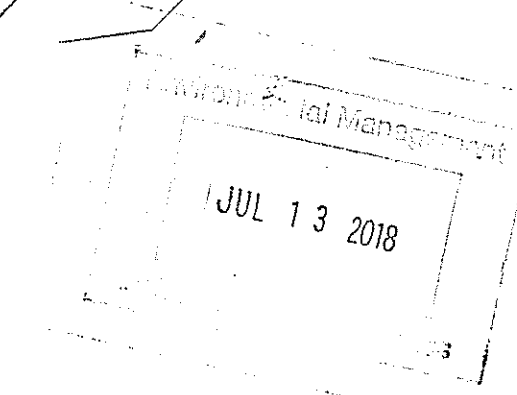
**SCALES OF DRAWINGS**

Plans	1 inch = 20 feet
Profiles	1 inch = 20 feet Horizontal
Profiles	1 inch = 4 feet Vertical
Cross Sections	1 inch = 4 feet Horizontal
Cross Sections	1 inch = 4 feet Vertical

**BASE OF LEVELS**  
NGVD 29  
NAD 83 (2011)



**ENVIRONMENTAL PERMIT  
SUBMISSION  
JULY 2018**



















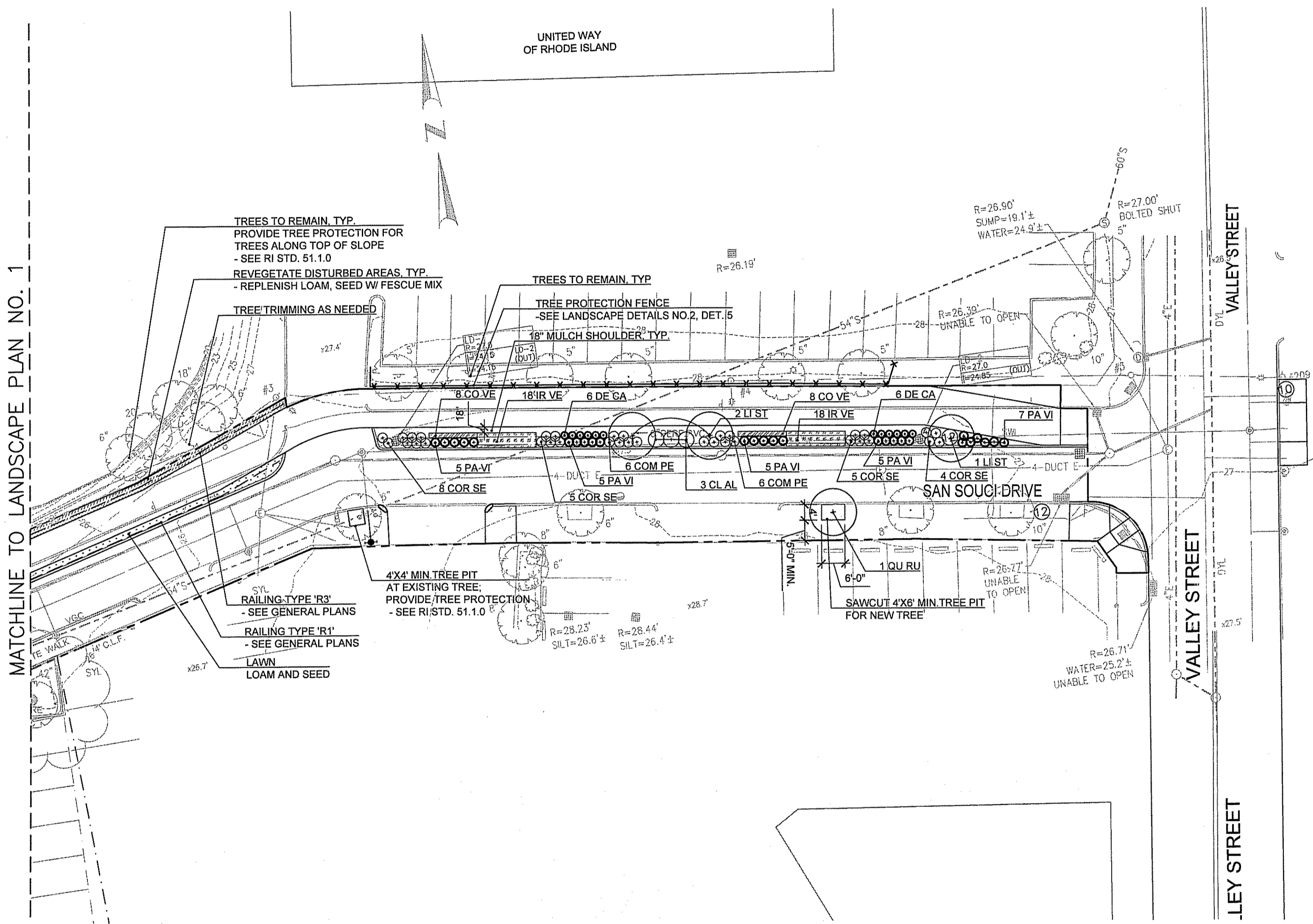






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SHEET NO.	TOTAL SHEETS
13	24



**PLANTING NOTES**

- LANDSCAPE ARCHITECT TO APPROVE PLANT MATERIAL AT THE NURSERY AND AGAIN AT SITE PRIOR TO PLANTING.
- PLANT MATERIAL SHALL CONFORM TO "THE AMERICAN STANDARD FOR NURSERY STOCK", PUBLISHED BY AMERICANHORT (WWW.AMERICANHORT.ORG).
- NO SUBSTITUTIONS OF PLANT SPECIES WITHOUT LANDSCAPE ARCHITECT'S WRITTEN APPROVAL.
- SUBSTITUTIONS OF PLANT SPECIES SHALL BE A PLANT OF EQUIVALENT OVERALL FORM, HEIGHT AND BRANCHING HABIT, FLOWER, LEAF AND FRUIT, COLOR AND TIME OF BLOOM, AS APPROVED OF BY LANDSCAPE ARCHITECT.
- LOCATE AND VERIFY UTILITY LINE LOCATIONS PRIOR TO STAKING AND REPORT CONFLICT TO LANDSCAPE ARCHITECT.
- PLANTING DEMOLITION DEBRIS, GARBAGE, LUMPS OF CONCRETE, STEEL AND OTHER MATERIALS DELETERIOUS TO PLANT'S HEALTH AS DETERMINED BY LANDSCAPE ARCHITECT SHALL BE REMOVED FROM ALL PLANTING AREAS.
- NO PLANTING TO BE INSTALLED BEFORE ACCEPTANCE OF ROUGH GRADING.
- ALL PROPOSED TREE LOCATIONS SHALL BE STAKED OR LAID OUT IN THEIR APPROXIMATE LOCATION BY THE CONTRACTOR. REFER TO LAYOUT AND PLANTING SHEETS FOR LAYOUT INFORMATION. THE CONTRACTOR SHALL ADJUST THE LOCATIONS AS REQUESTED BY THE LANDSCAPE ARCHITECT TO ACCOUNT FOR SUBSURFACE UTILITIES AND OTHER FIELD CONDITIONS. FINAL LOCATIONS OF ALL PLANTS MUST BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO PLANTING.
- TOTAL QUANTITY OF PLANTS FOR EACH AREA TO BE AVAILABLE ON SITE AT THE TIME OF PLANTING FOR FIELD LAYOUT BY ENGINEER. NO PARTIAL LAYOUT AND PLANTING OF AREAS WILL BE ACCEPTABLE.
- INSTALL PLANTS WITH ROOT FLARES FLUSH WITH FINISHED GRADE. IMMEDIATELY REPLANT PLANTS THAT SETTLE OUT OF PLUMB OR BELOW FINISHED GRADE.
- PLANT UNDER FULL TIME SUPERVISION OF CERTIFIED ARBORIST, NURSERYMAN, OR LICENSED LANDSCAPE ARCHITECT. PROVIDE WRITTEN VERIFICATION OF CERTIFICATION AND/OR LICENSE FOR LANDSCAPE ARCHITECT'S APPROVAL.
- LOOSE OR CRACKED ROOT BALLS ARE UNACCEPTABLE.
- DO NOT USE TREE WRAP.
- REMOVE TOP 2/3 OF WIRE BASKETS. REMOVE TOP 1/3 OF BURLAP. SYNTHETIC BURLAP WILL NOT BE ACCEPTED. FOR CONTAINER PLANTS, REMOVE CONTAINER AND SCARIFY EDGES OF ROOT BALL 1/2" DEEP IN A MINIMUM OF FOUR LOCATIONS.
- WATER PLANTS THOROUGHLY AFTER INSTALLATION, A MINIMUM OF TWICE WITHIN THE FIRST 24 HOURS.
- RAISE AND REPLANT PLANTS THAT SETTLE AFTER PLANTING AND WATERING.
- FOR PLANTING SCHEDULE SEE LANDSCAPE PLAN NO. 2

**PLANTING LIST**

QTY	SYM	BOTANICAL NAME	COMMON NAME	SIZE	NOTES
<b>TREES</b>					
3	LI ST	Liquidambar styraciflua 'Rotundiloba'	ROTUNDILOBA SWEETGUM	3-3.5" CAL. B&B	
1	QU RU	Quercus rubra	RED OAK	3-3.5" CAL. B&B	
<b>SHRUBS</b>					
3	CL AL	Clethra alnifolia 'Ruby Spice'	SUMMERSWEET	3-4" HT B&B	
10	COM PE	Comptonia peregrina	SWEETFERN	5 GAL. POT	
22	COR SE	Cornus sericea 'Kelsey'	KELSEY RED-OSIER DOGWOOD	18-24" B&B	COMPACT GROWING
<b>GROUNDCOVERS / GRASSES / PERENNIALS</b>					
16	CO VE	Coreopsis verticillata 'Zagreb'	ZAGREB THREADLEAF COREOPSIS	1 GAL. POT	18" O.C.
12	DE CA	Deschampsia caespitosa 'Gold Tau'	GOLD TAU TUFTED HAIRGRASS	2 GAL. POT	24" O.C.
36	IR VI	Iris versicolor	BLUE FLAG IRIS	1 GAL. POT	18" O.C.
27	PA VI	Panicum virgatum 'Shenandoah'	SHENANDOAH SWITCH GRASS	2 GAL. POT	30" O.C.

**WAYFINDING SIGN LEGEND**

- | SYM. | DESCRIPTION                           |
|------|---------------------------------------|
| ⑩    | SIGN TYPE 10 - BIKE ROUTE TRAILBLAZER |
| ⑫    | SIGN TYPE 12 - SECONDARY GATEWAY      |
| ⑬    | SIGN TYPE 13 - INFORMATION DISPLAY    |

NOTE: FOR DETAILS ON WAYFINDING SIGNS  
 - SEE LANDSCAPE PLAN NO. 5

**PLANTING LEGEND**

- | SYM.      | MATERIAL DESCRIPTION  |
|-----------|---|
| [Pattern] | LAWN: LOAM AND SEED WITH FESCUE GRASS SEED MIX  |
| [Pattern] | REVEGETATE DISTURBED AREAS: REPLENISH EXISTING TOPSOIL WITH LOAM TO MEET EXISTING GRADES. SEED WITH FESCUE GRASS SEED MIX |
| [Pattern] | PERENNIAL PLANTING  |
| [Symbol]  | DECIDUOUS TREES   |
| [Symbol]  | SHRUBS  |
| [Symbol]  | ORNAMENTAL GRASSES  |



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 OFFICE OF WATER RESOURCES  
 FRESHWATER WETLANDS PROGRAM  
 APPROVED WITH CONDITIONS  
 AS SPECIFIED IN THE LETTER OF APPROVAL  
 DATED SEP 6 2018 FILE # 18-082  
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

**HALVORSON DESIGN PARTNERSHIP**

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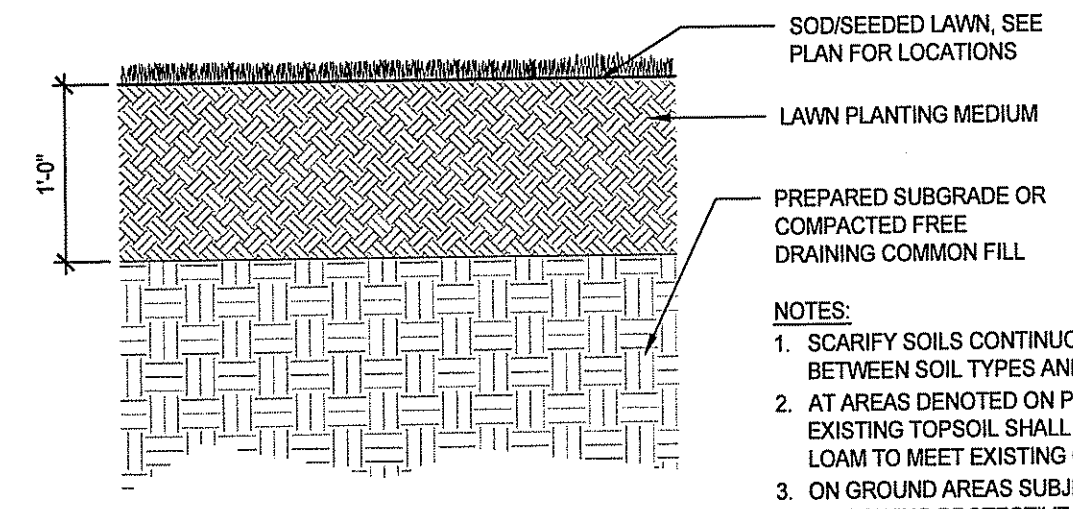
CITY OF PROVIDENCE

SAN SOUCI DRIVE SEPARATED BICYCLE AND PEDESTRIAN FACILITY AND WOONASQUATUCKET GATEWAY PROVIDENCE, RHODE ISLAND

LANDSCAPE PLAN NO. 2

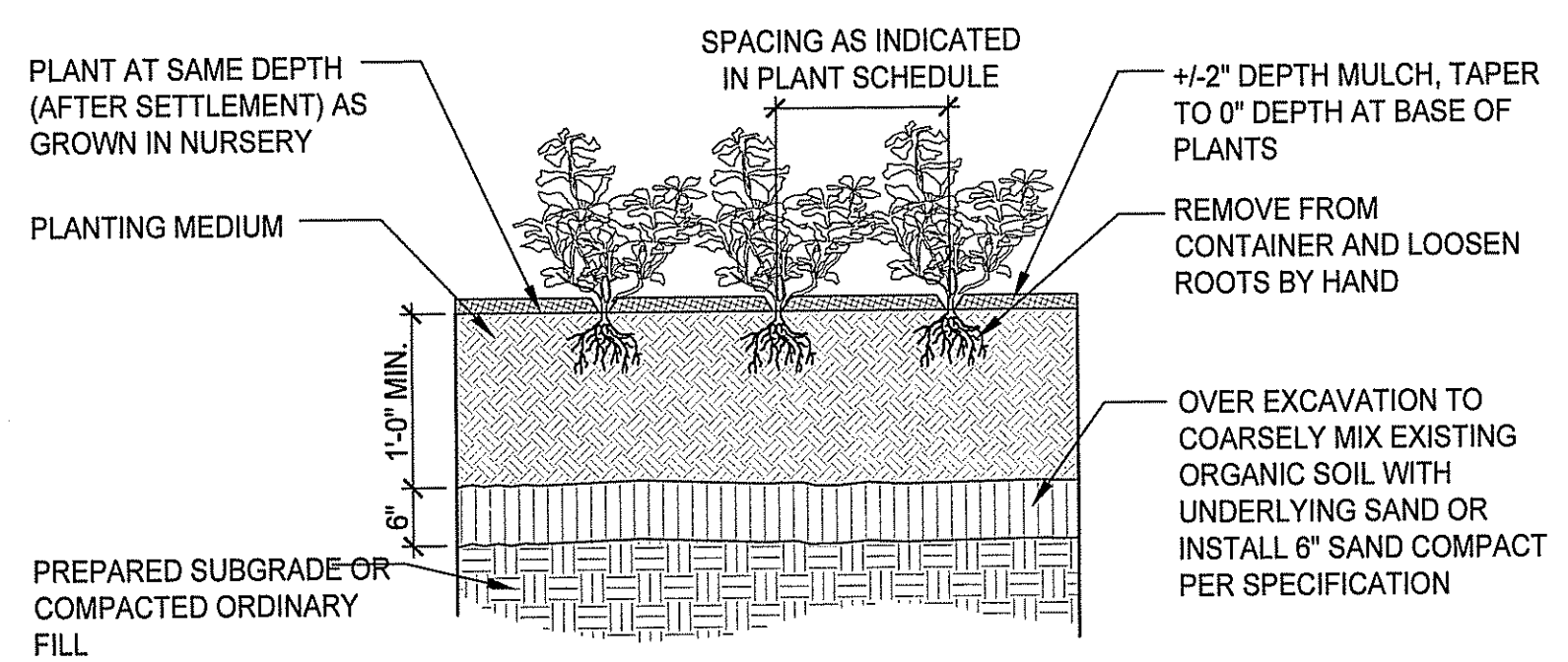
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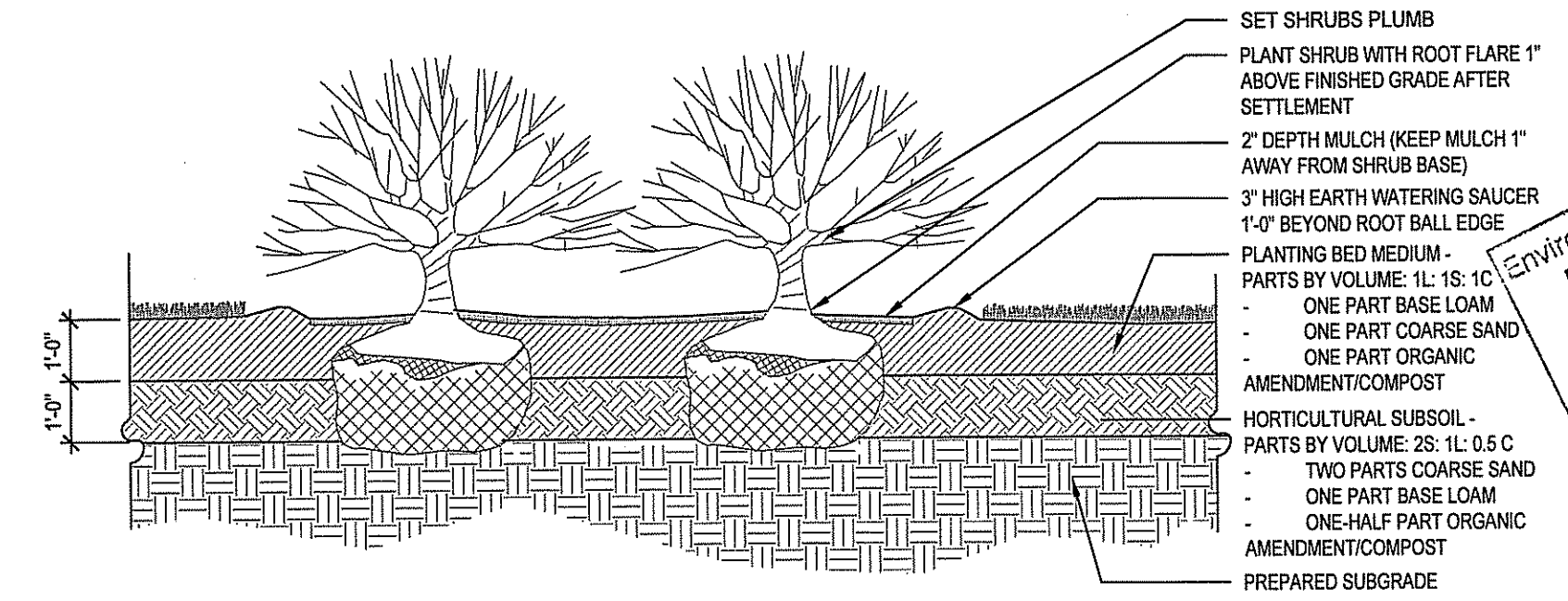
**NOTES:**  
 1. SCARIFY SOILS CONTINUOUSLY TO A DEPTH OF 4" AT INTERFACE BETWEEN SOIL TYPES AND LIFTS TO PROMOTE BLENDING OF SOILS.  
 2. AT AREAS DENOTED ON PLANS AS 'REVEGETATE DISTURBED AREAS', EXISTING TOPSOIL SHALL BE REPLENISHED AND BLENDED WITH LOAM TO MEET EXISTING GRADES.  
 3. ON GROUND AREAS SUBJECT TO EROSION, PROVIDE ONE OF THE FOLLOWING PROTECTIVE MEASURES: (A) HAY OR STRAW AT THE RATE OF 50 LBS / 1,000 SF. OR (B) HEAVY DUTY JUTE MESH OR BLANKET MATTING FOR EROSION CONTROL ON SEEDED OR HYDROSEDED SLOPES OF 3:1 OR STEEPER.

**1 LAWN - SEEDED**  
 SCALE: 1"=1'-0"



PLANT AT SAME DEPTH (AFTER SETTLEMENT) AS GROWN IN NURSERY  
 SPACING AS INDICATED IN PLANT SCHEDULE  
 +/-2" DEPTH MULCH, TAPER TO 0" DEPTH AT BASE OF PLANTS  
 REMOVE FROM CONTAINER AND LOOSEN ROOTS BY HAND  
 OVER EXCAVATION TO COARSELY MIX EXISTING ORGANIC SOIL WITH UNDERLYING SAND OR INSTALL 6" SAND COMPACT PER SPECIFICATION  
 PREPARED SUBGRADE OR COMPACTED ORDINARY FILL

**2 GROUNDCOVER AND PERENNIAL PLANTING**  
 Scale: 1"=1'-0"

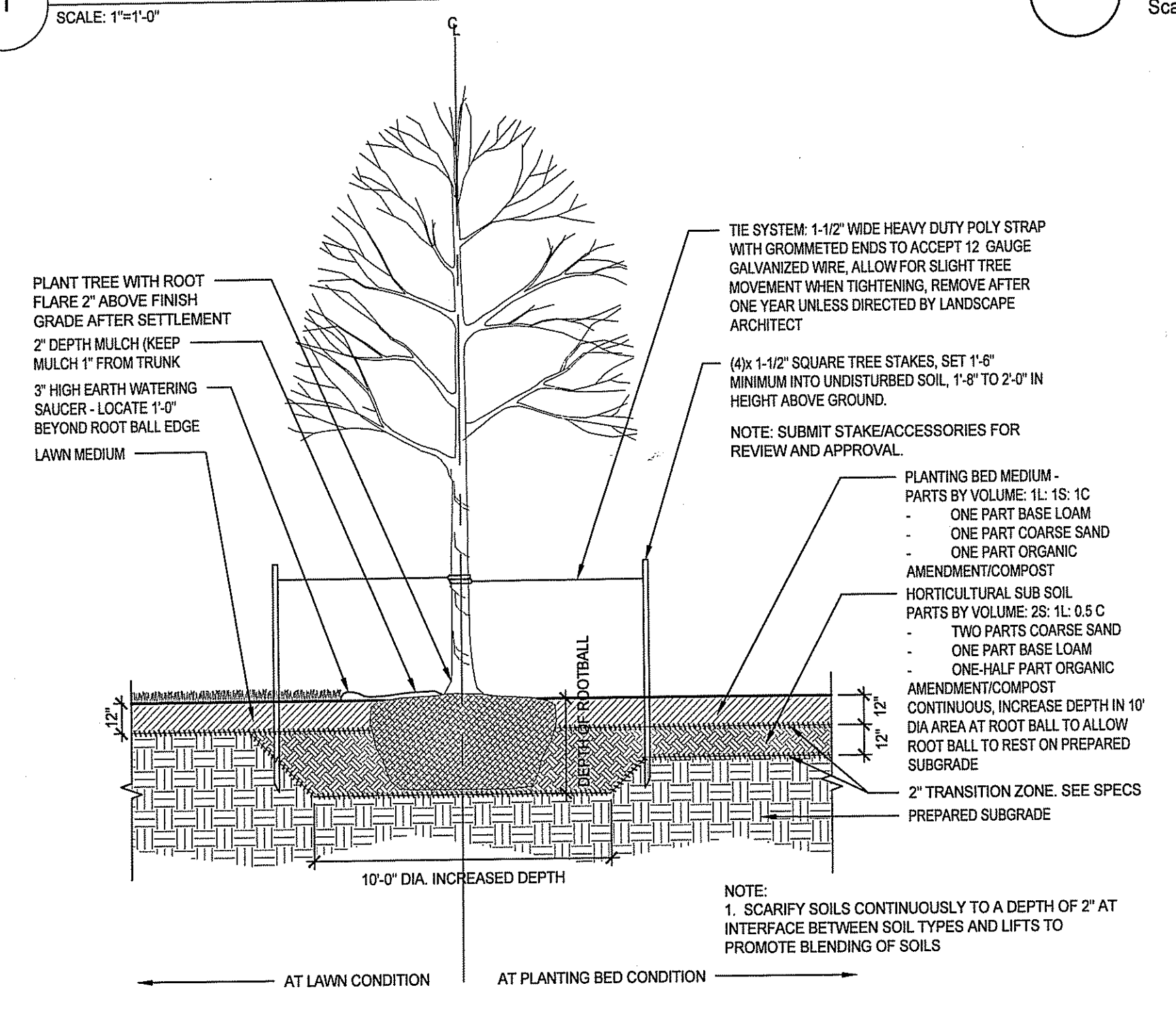


SET SHRUBS PLUMB  
 PLANT SHRUB WITH ROOT FLARE 1" ABOVE FINISHED GRADE AFTER SETTLEMENT  
 2" DEPTH MULCH (KEEP MULCH 1" AWAY FROM SHRUB BASE)  
 3" HIGH EARTH WATERING SAUCER 1'-0" BEYOND ROOT BALL EDGE  
 PLANTING BED MEDIUM - PARTS BY VOLUME: 1L: 1S: 1C - ONE PART BASE LOAM - ONE PART COARSE SAND - ONE PART ORGANIC AMENDMENT/COMPOST  
 HORTICULTURAL SUBSOIL - PARTS BY VOLUME: 2S: 1L: 0.5 C - TWO PARTS COARSE SAND - ONE PART BASE LOAM - ONE-HALF PART ORGANIC AMENDMENT/COMPOST  
 PREPARED SUBGRADE

**NOTES:**  
 1. SCARIFY SOILS CONTINUOUSLY TO A DEPTH OF 4" AT INTERFACE BETWEEN SOIL TYPES AND LIFTS TO PROMOTE BLENDING OF SOILS.  
 2. EXTEND PLANTING BED MEDIUM AND HORTICULTURAL SUBSOIL ENTIRE LENGTH OF PLANT BEDS

**PLANTING NOTES:**  
 1. REMOVE UPPER THIRD OF BURLAP PRIOR TO BACKFILLING, IF CONTAINERIZED, REMOVE PLANTS FROM POTS PRIOR TO PLANTING AND SCARIFY ROOT BALL IN 4 PLACES TO 3" DEPTH  
 2. LOOSE OR CRACKED ROOT BALLS WILL NOT BE ACCEPTED FOR PLANTING  
 3. ROOT BALL SHALL SIT ON PREPARED SUBGRADE  
 4. DO NOT EXCAVATE BELOW ROOT BALL  
 5. PLANTING FIT TO BE 3 TIMES WIDTH OF ROOT BALL  
 6. FLOOD WATERING SAUCER TWICE DURING FIRST 24 HOURS AFTER PLANTING  
 7. RAISE AND REPLANT SHRUBS THAT SETTLE AFTER PLANTING AND WATERING

**3 SHRUB PLANTING**  
 Scale: 1/4"=1'-0"



PLANT TREE WITH ROOT FLARE 2" ABOVE FINISH GRADE AFTER SETTLEMENT  
 2" DEPTH MULCH (KEEP MULCH 1" FROM TRUNK)  
 3" HIGH EARTH WATERING SAUCER - LOCATE 1'-0" BEYOND ROOT BALL EDGE  
 LAWN MEDIUM

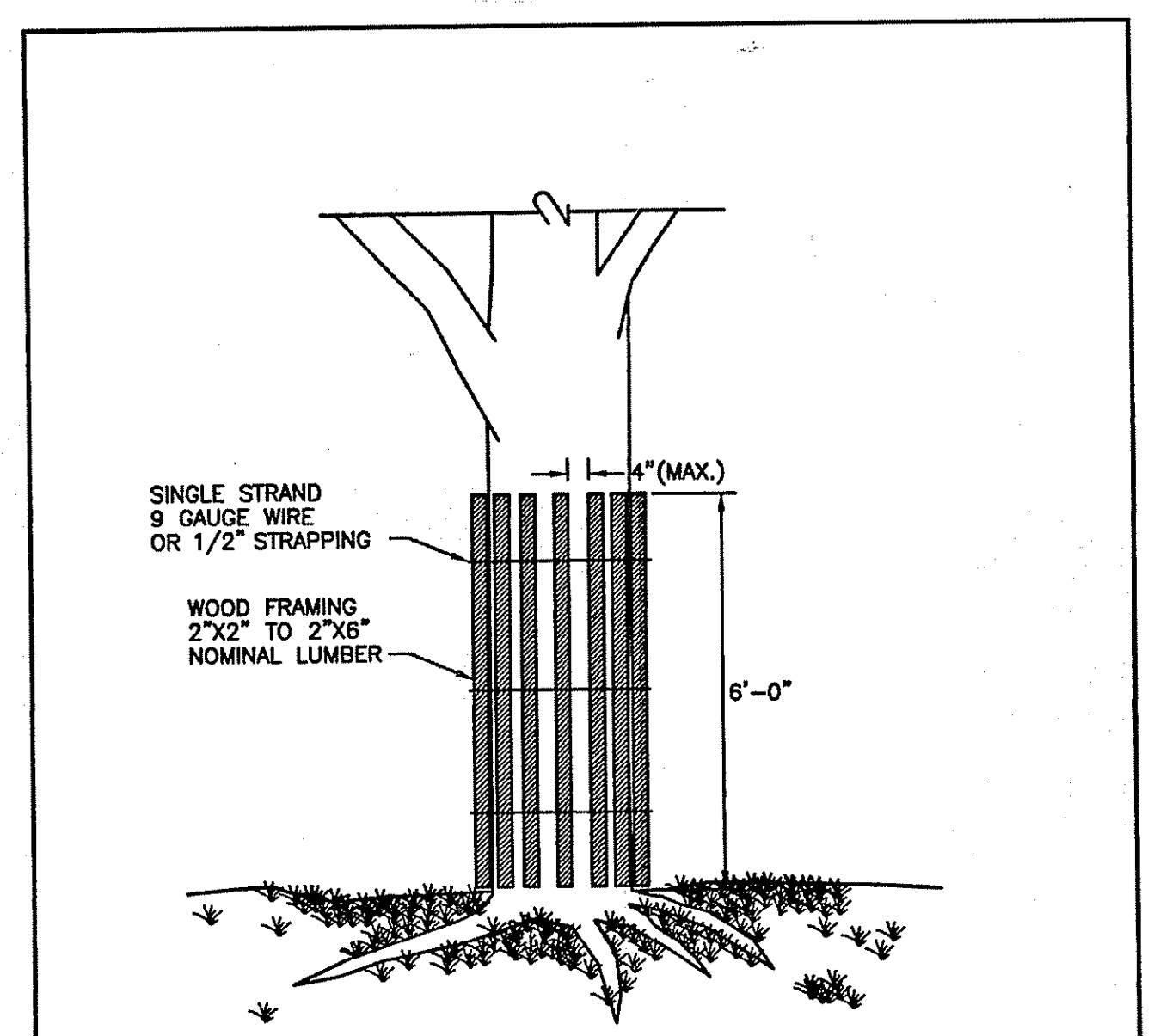
TIE SYSTEM: 1-1/2" WIDE HEAVY DUTY POLY STRAP WITH GROMMETED ENDS TO ACCEPT 12 GAUGE GALVANIZED WIRE, ALLOW FOR SLIGHT TREE MOVEMENT WHEN TIGHTENING, REMOVE AFTER ONE YEAR UNLESS DIRECTED BY LANDSCAPE ARCHITECT

(4x) 1-1/2" SQUARE TREE STAKES, SET 1'-6" MINIMUM INTO UNDISTURBED SOIL, 1'-8" TO 2'-0" IN HEIGHT ABOVE GROUND.  
 NOTE: SUBMIT STAKE/ACCESSORIES FOR REVIEW AND APPROVAL

PLANTING BED MEDIUM - PARTS BY VOLUME: 1L: 1S: 1C - ONE PART BASE LOAM - ONE PART COARSE SAND - ONE PART ORGANIC AMENDMENT/COMPOST  
 HORTICULTURAL SUB SOIL - PARTS BY VOLUME: 2S: 1L: 0.5 C - TWO PARTS COARSE SAND - ONE PART BASE LOAM - ONE-HALF PART ORGANIC AMENDMENT/COMPOST  
 CONTINUOUS INCREASE DEPTH IN 10" DIA AREA AT ROOT BALL TO ALLOW ROOT BALL TO REST ON PREPARED SUBGRADE  
 2" TRANSITION ZONE. SEE SPECS  
 PREPARED SUBGRADE

NOTE:  
 1. SCARIFY SOILS CONTINUOUSLY TO A DEPTH OF 2" AT INTERFACE BETWEEN SOIL TYPES AND LIFTS TO PROMOTE BLENDING OF SOILS

**4 TREE PLANTING - IN LAWN OR PLANT BED AT GRADE**  
 Scale: 1/4"=1'-0"



SINGLE STRAND 9 GAUGE WIRE OR 1/2" STRAPPING  
 WOOD FRAMING 2"x2" TO 2"x6" NOMINAL LUMBER  
 6'-0"

NOTE:  
 SHALL BE IN ACCORDANCE WITH SECTION L.11 OF THE STANDARD SPECIFICATIONS.

RHODE ISLAND DEPARTMENT OF TRANSPORTATION

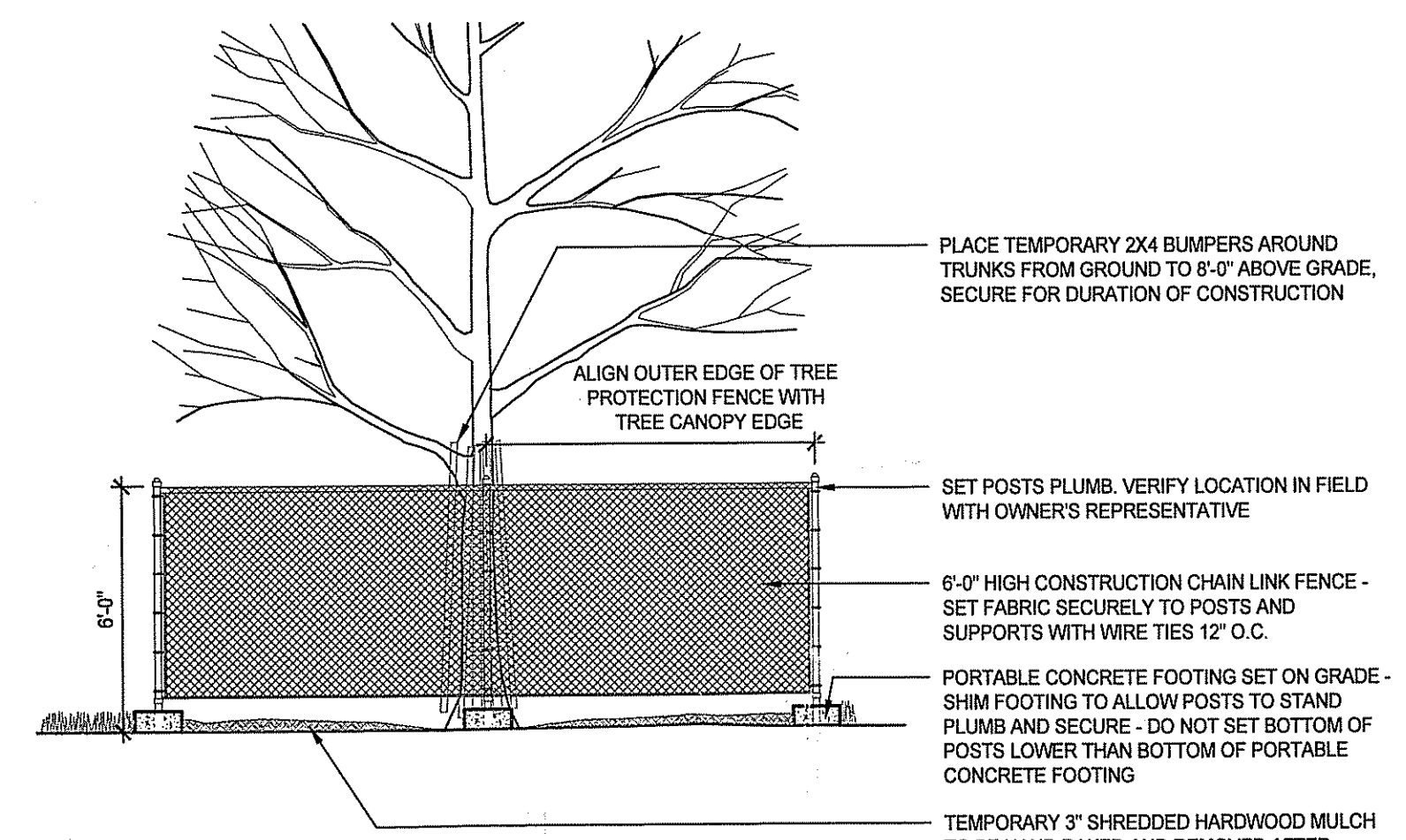
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NO.	BY	DATE

**TREE PROTECTION DEVICE**

June 15, 1998

R.I. STANDARD 51.1.0



PLACE TEMPORARY 2X4 BUMPERS AROUND TRUNKS FROM GROUND TO 8'-0" ABOVE GRADE, SECURE FOR DURATION OF CONSTRUCTION

ALIGN OUTER EDGE OF TREE PROTECTION FENCE WITH TREE CANOPY EDGE

6'-0"

SET POSTS PLUMB, VERIFY LOCATION IN FIELD WITH OWNER'S REPRESENTATIVE

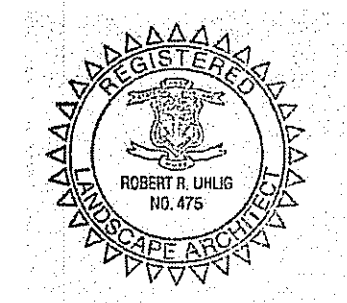
6'-0" HIGH CONSTRUCTION CHAIN LINK FENCE - SET FABRIC SECURELY TO POSTS AND SUPPORTS WITH WIRE TIES 12" O.C.

PORTABLE CONCRETE FOOTING SET ON GRADE - SHIM FOOTING TO ALLOW POSTS TO STAND PLUMB AND SECURE - DO NOT SET BOTTOM OF POSTS LOWER THAN BOTTOM OF PORTABLE CONCRETE FOOTING

TEMPORARY 3" SHREDDED HARDWOOD MULCH TO BE HAND RAKED AND REMOVED AFTER CONSTRUCTION OPERATIONS AND FENCE REMOVAL

**5 TREE PROTECTION FENCE**  
 SCALE: 1/4"=1'-0"

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 OFFICE OF WATER RESOURCES  
 FRESHWATER WETLANDS PROGRAM  
 APPROVAL OF WORK CONDITIONS  
 AS SPECIFIED IN THE LETTER OF APPROVAL  
 DATED SEP 6 2018 FILE # 18-0182  
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CITY OF PROVIDENCE

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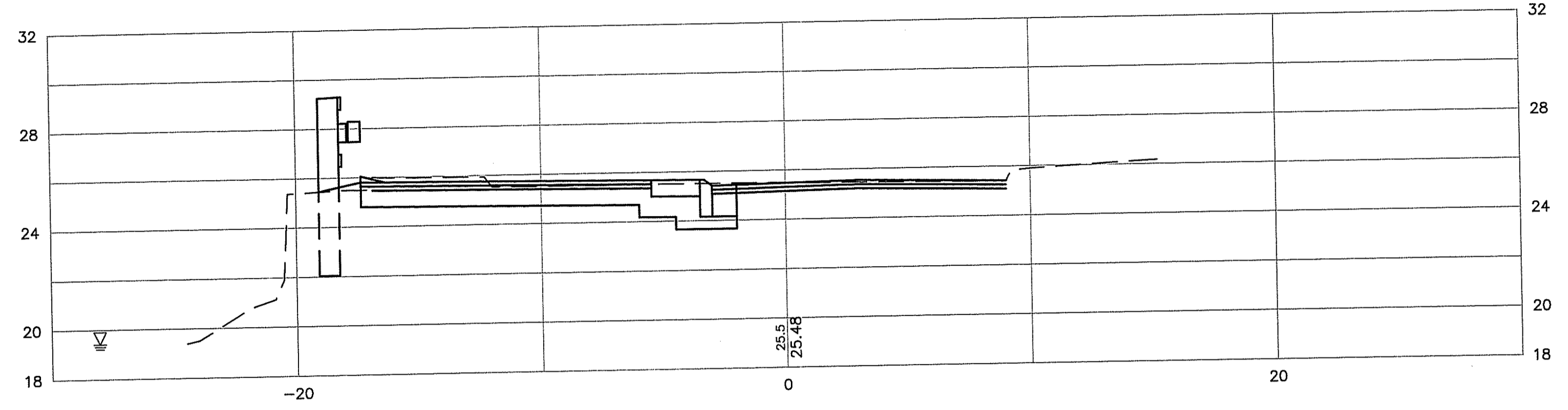
LANDSCAPE DETAILS NO. 2

CHECKED BY VM DATE 08/18/2018 SCALE AS NOTED

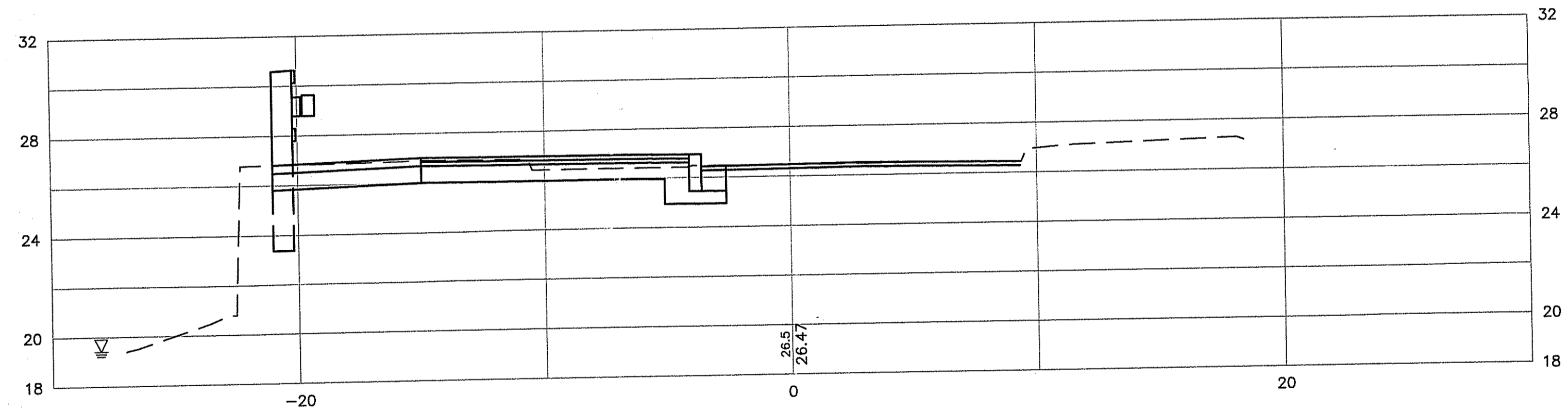


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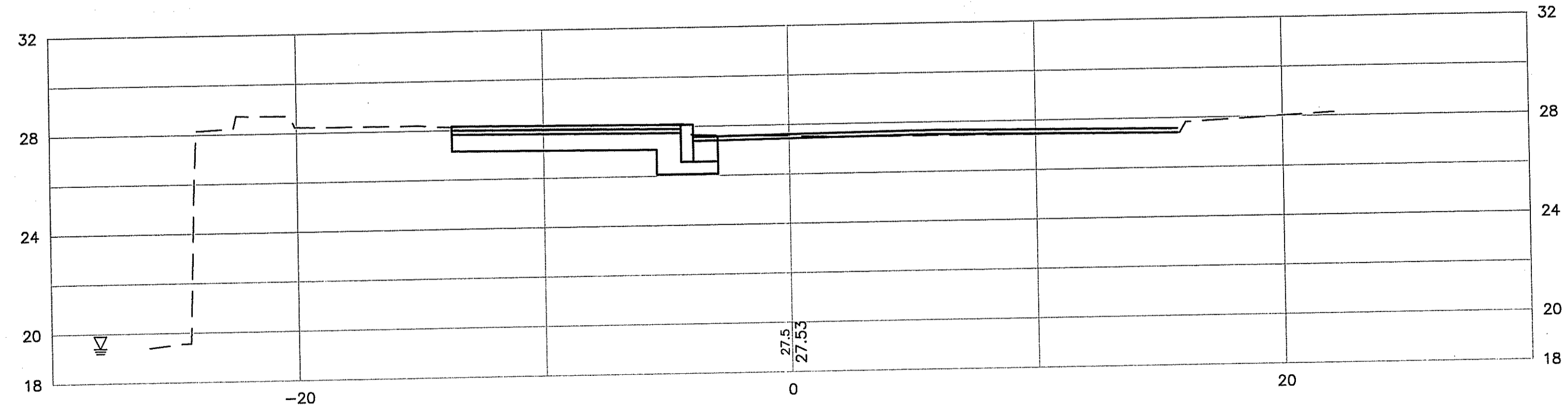
11+00



10+75



10+50



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*John A. [Signature]*

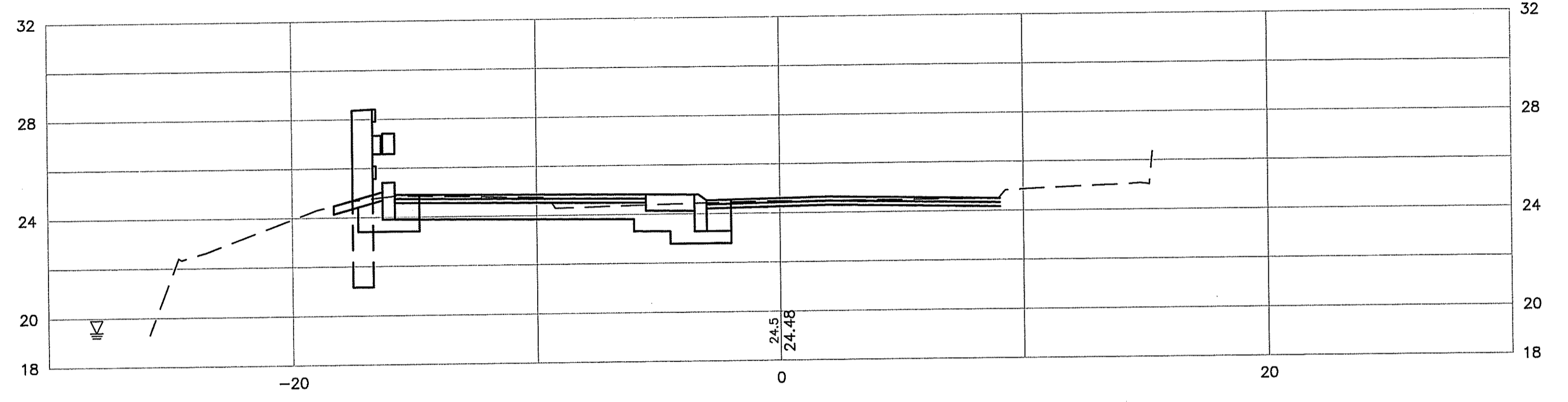
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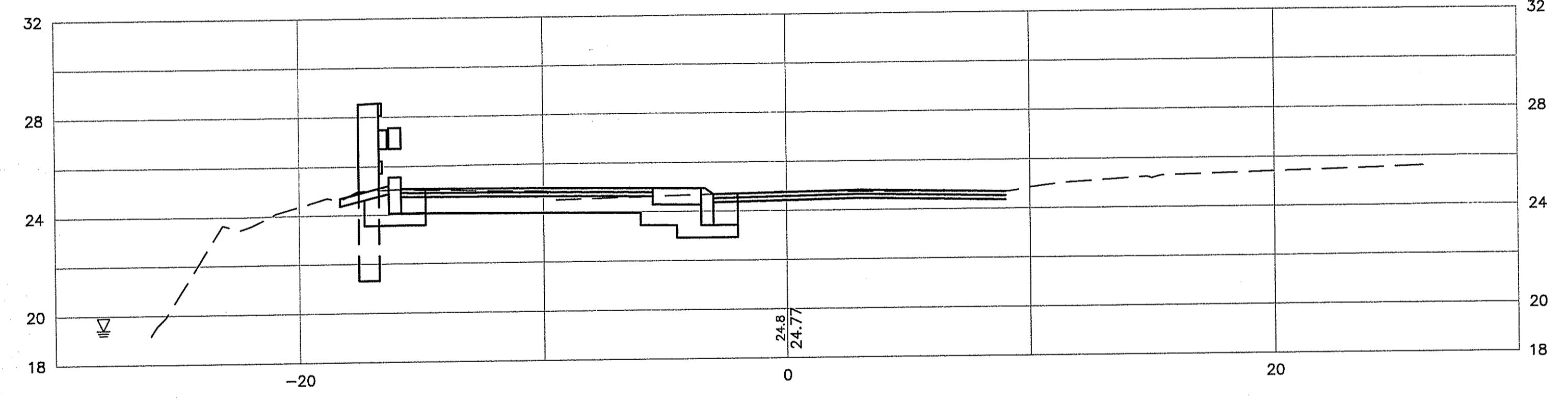
**SAN SOUCI DRIVE SEPARATED BICYCLE AND PEDESTRIAN FACILITY AND WOONASQUATUCKET GATEWAY**  
 PROVIDENCE, RHODE ISLAND  
 CHECKED BY \_\_\_\_\_ DATE \_\_\_\_\_ SCALE \_\_\_\_\_

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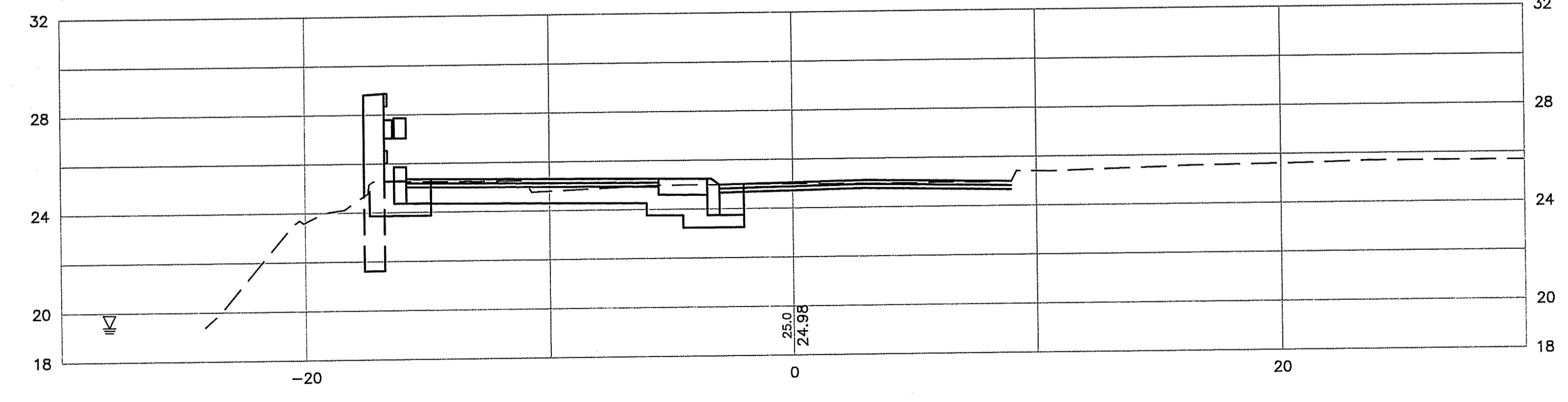
11+75



11+50



11+25



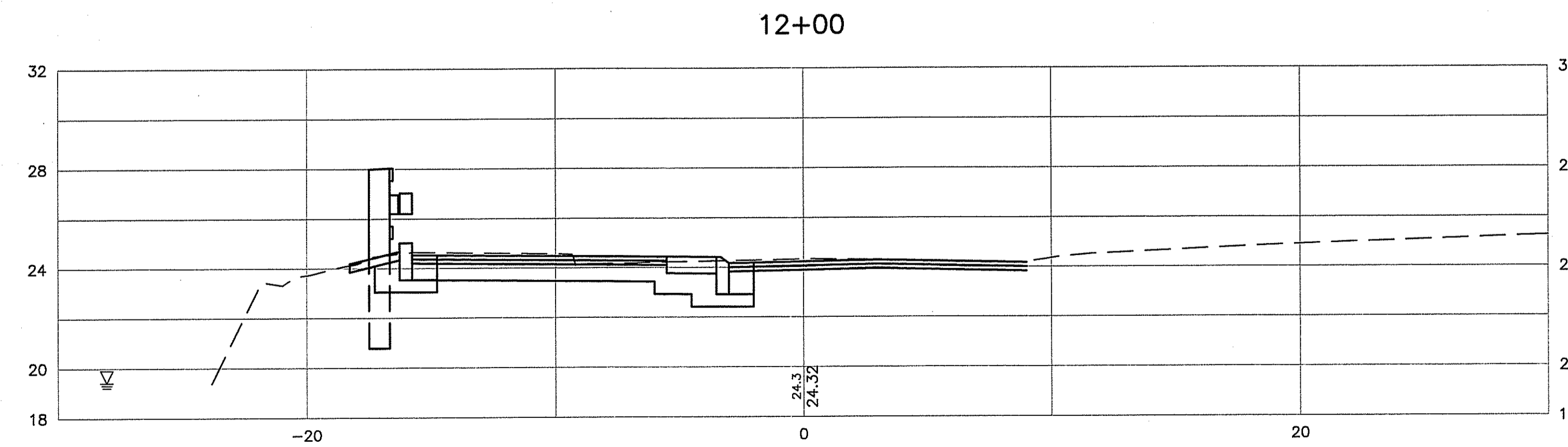
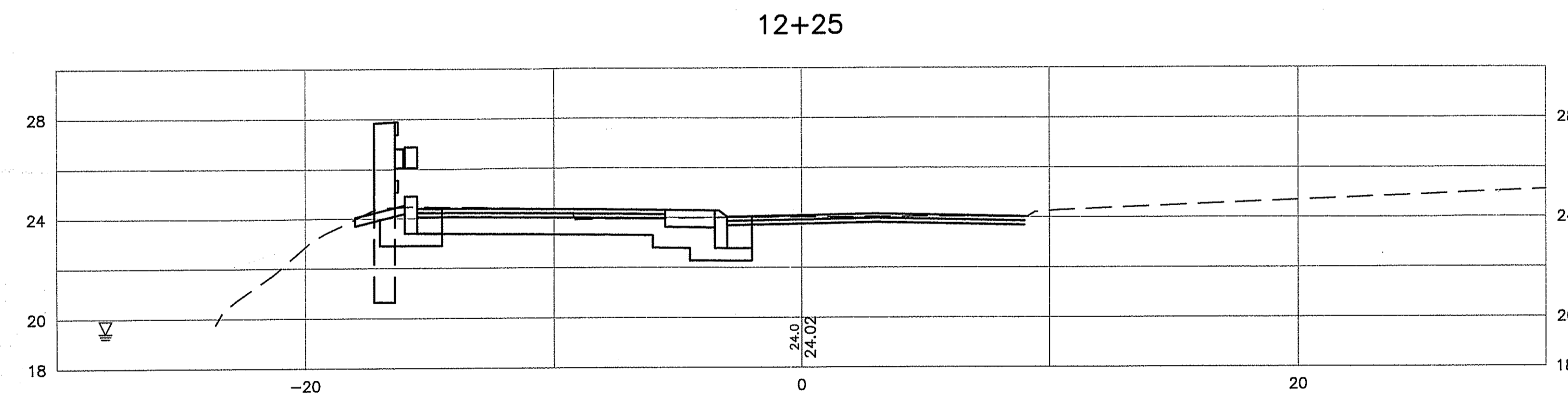
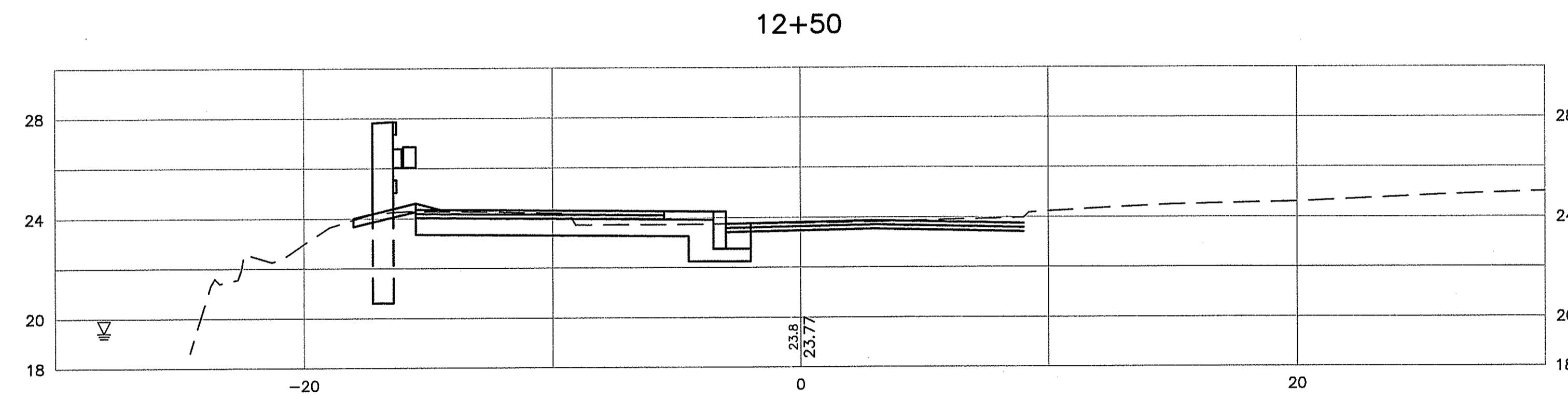
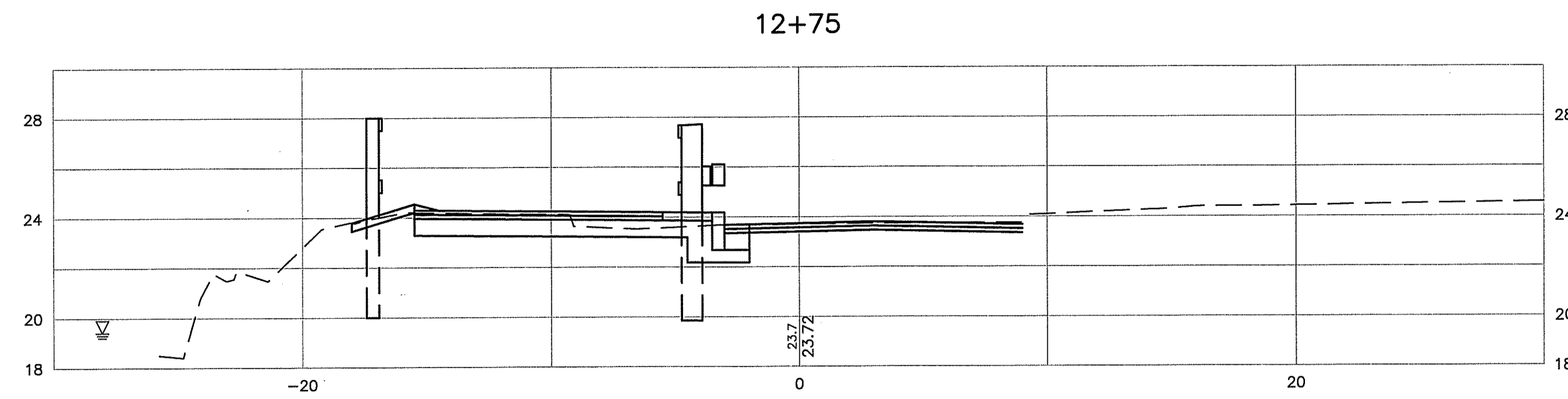
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*[Signature]*

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**SAN SOUCI DRIVE SEPARATED BICYCLE AND PEDESTRIAN FACILITY AND WOONASQUATUCKET GATEWAY**  
 PROVIDENCE, RHODE ISLAND  
 CHECKED BY \_\_\_\_\_ DATE \_\_\_\_\_ SCALE \_\_\_\_\_



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APPROVED WITH CONDITIONS  
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DATED 18 SEP 6 2018 FILE # 18-DR2  
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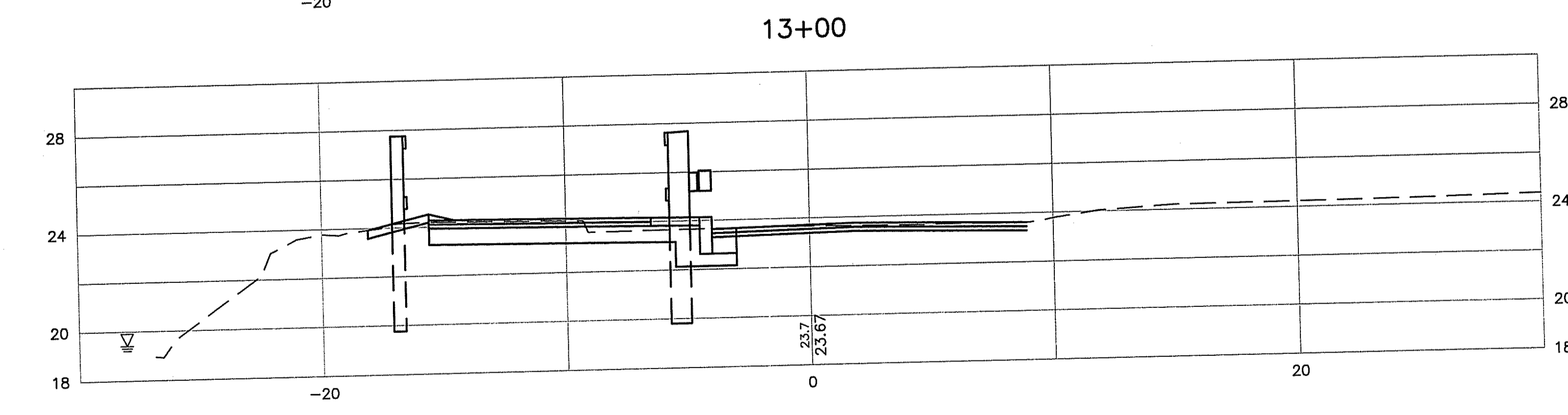
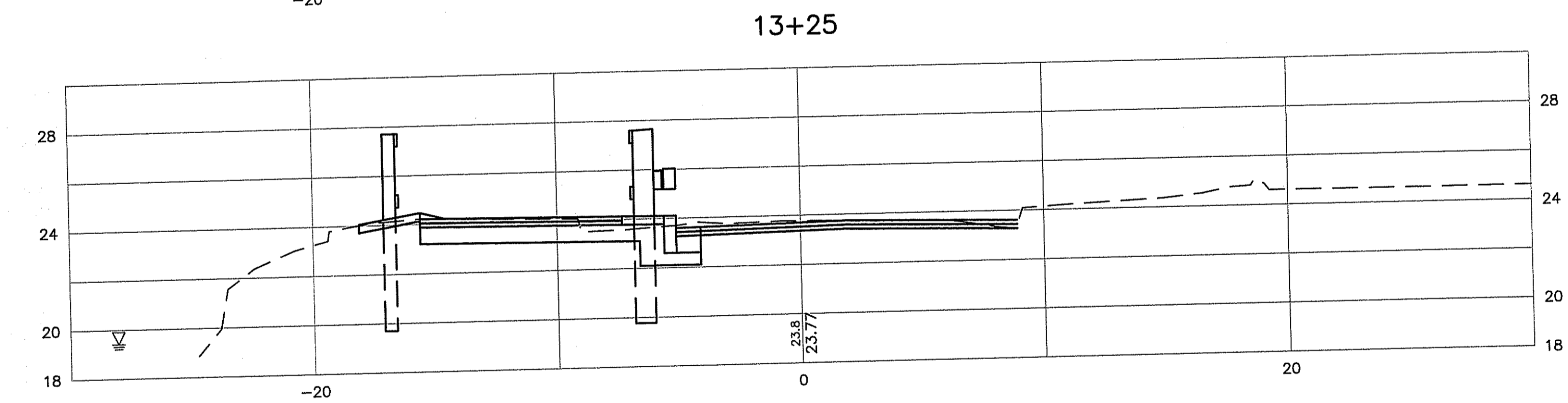
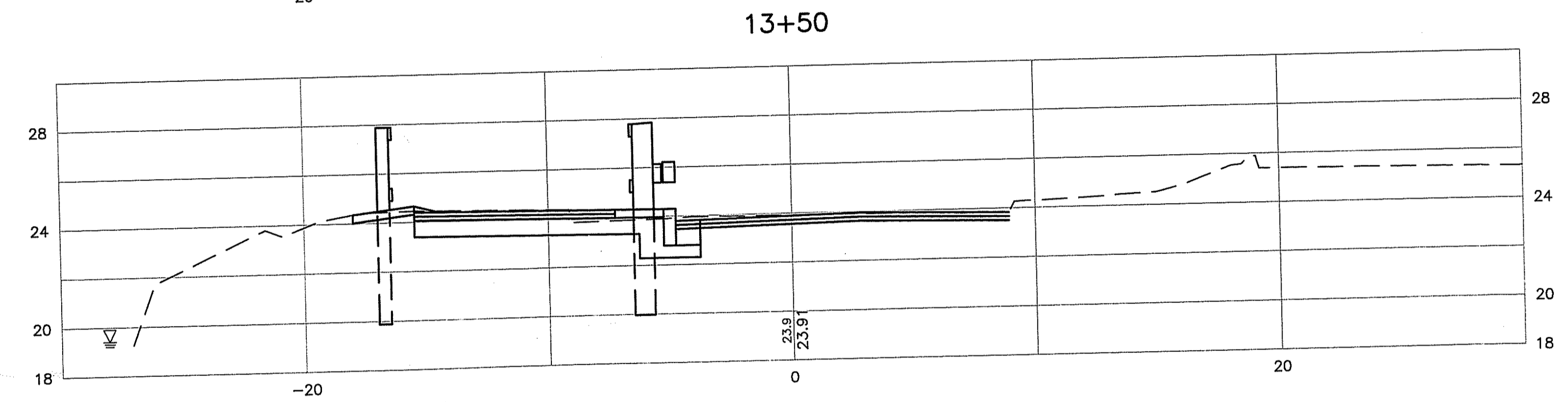
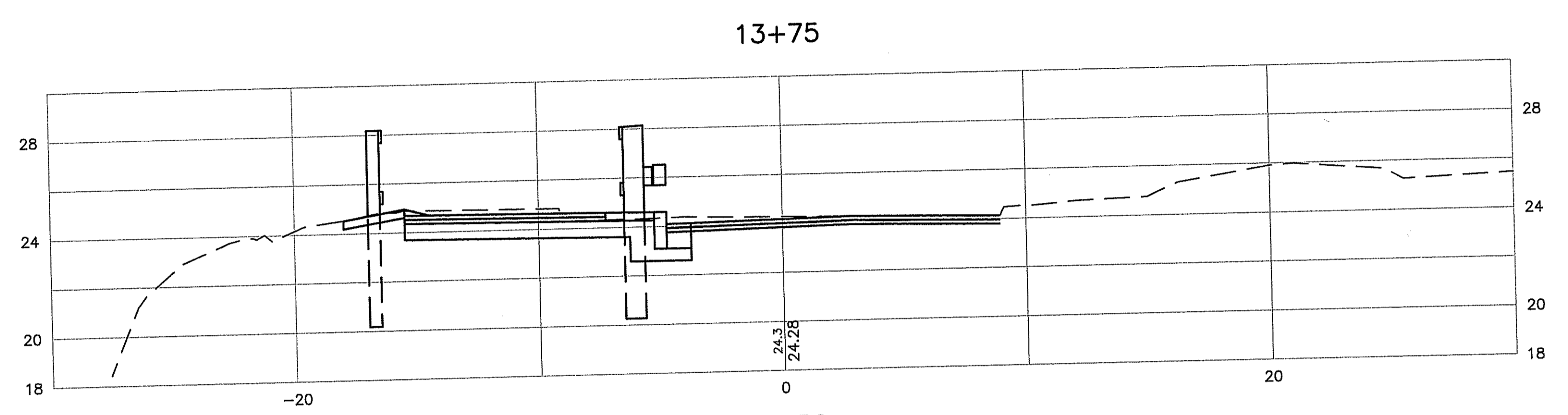
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**SAN SOUCI DRIVE SEPARATED BICYCLE AND PEDESTRIAN FACILITY AND WOONASQUATUCKET GATEWAY**

PROVIDENCE, RHODE ISLAND

CHECKED BY \_\_\_\_\_ DATE \_\_\_\_\_ SCALE \_\_\_\_\_

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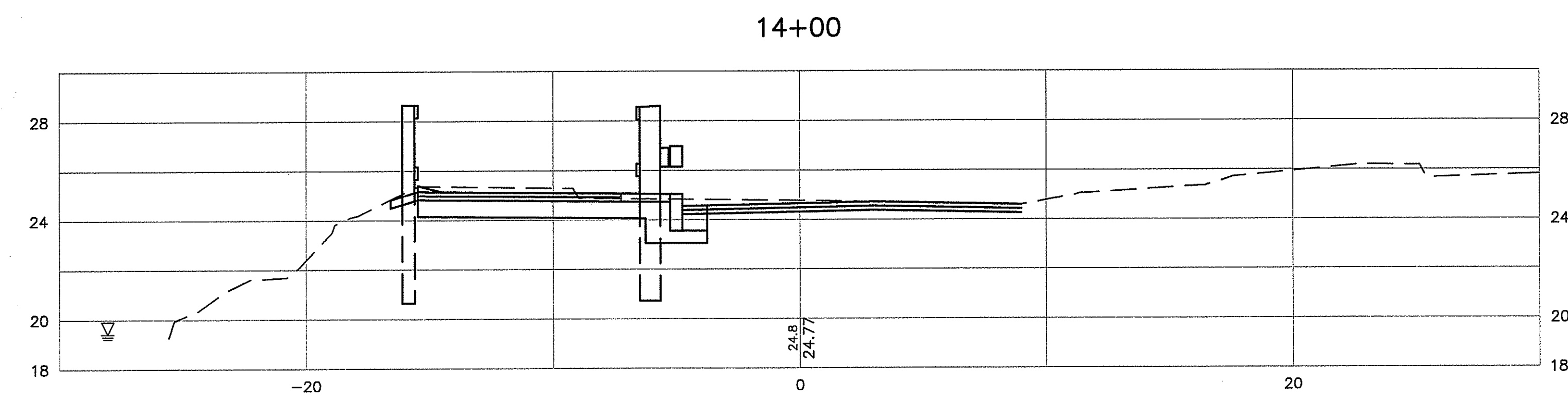
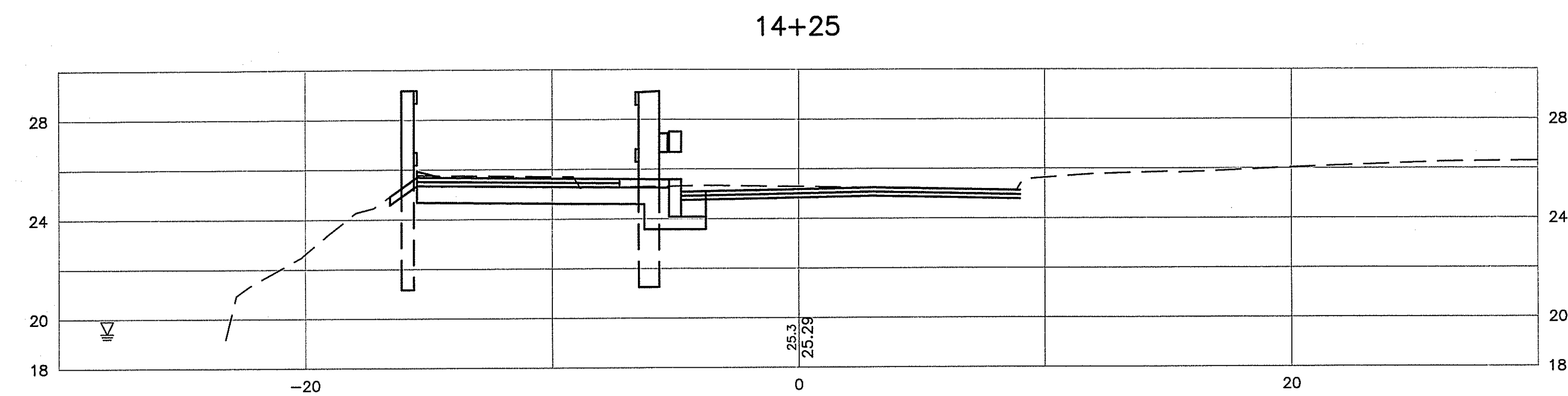
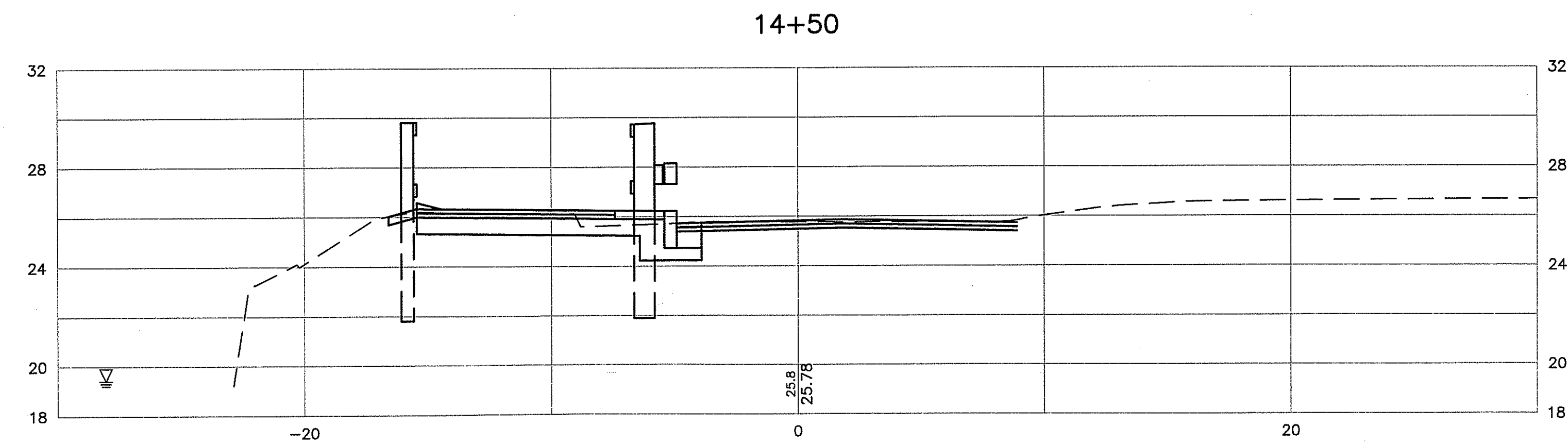
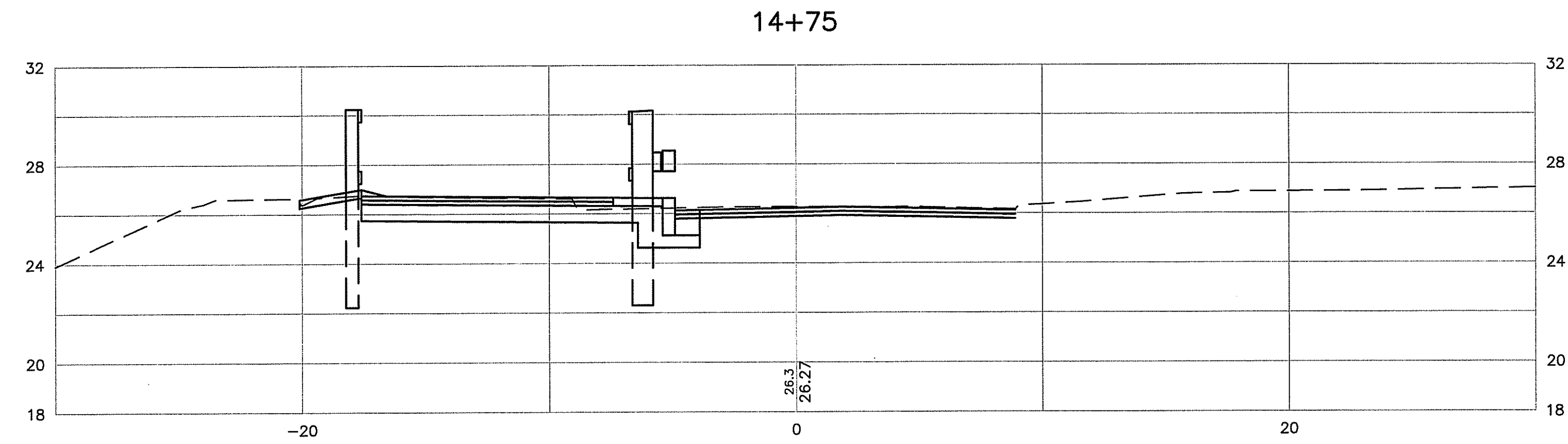


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 FRESHWATER WETLANDS PROGRAM  
 APPROVED WITH CONDITIONS  
 APPROVED IN THE LETTER OF APPROVAL  
 DATED SEP 6 2018 FILE # 18-0183  
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

**vhb**  
 1 Cedar Street  
 Suite 400  
 Providence, RI 02903  
 401.272.8100

REVISIONS		
NO.	DATE	BY

**SAN SOUCI DRIVE SEPARATED BICYCLE AND PEDESTRIAN FACILITY AND WOONASQUATUCKET GATEWAY**  
 PROVIDENCE, RHODE ISLAND  
 CHECKED BY \_\_\_\_\_ DATE \_\_\_\_\_ SCALE \_\_\_\_\_



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*Chris H. [Signature]*  
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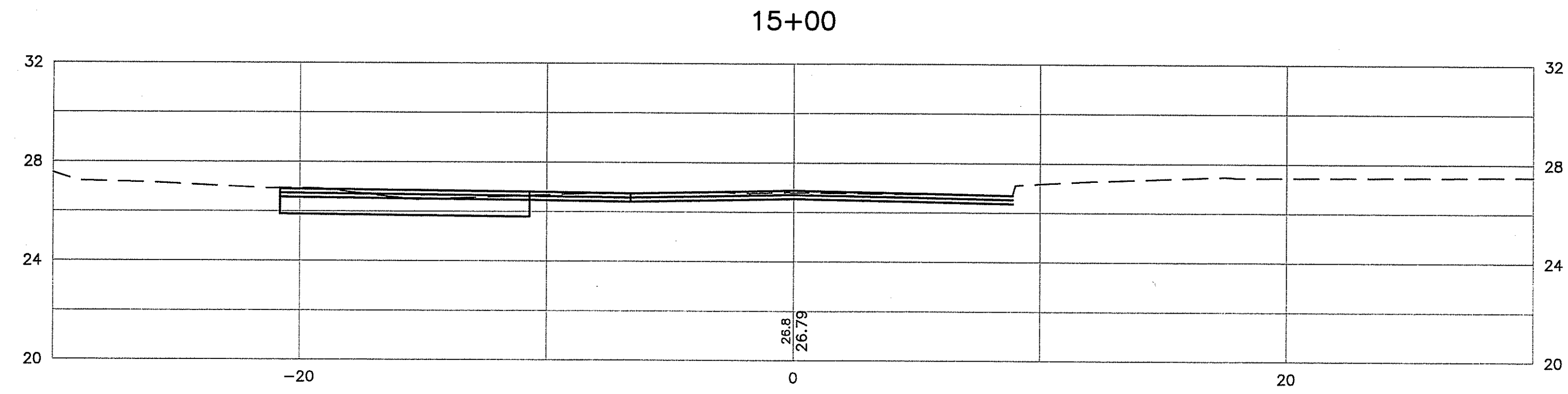
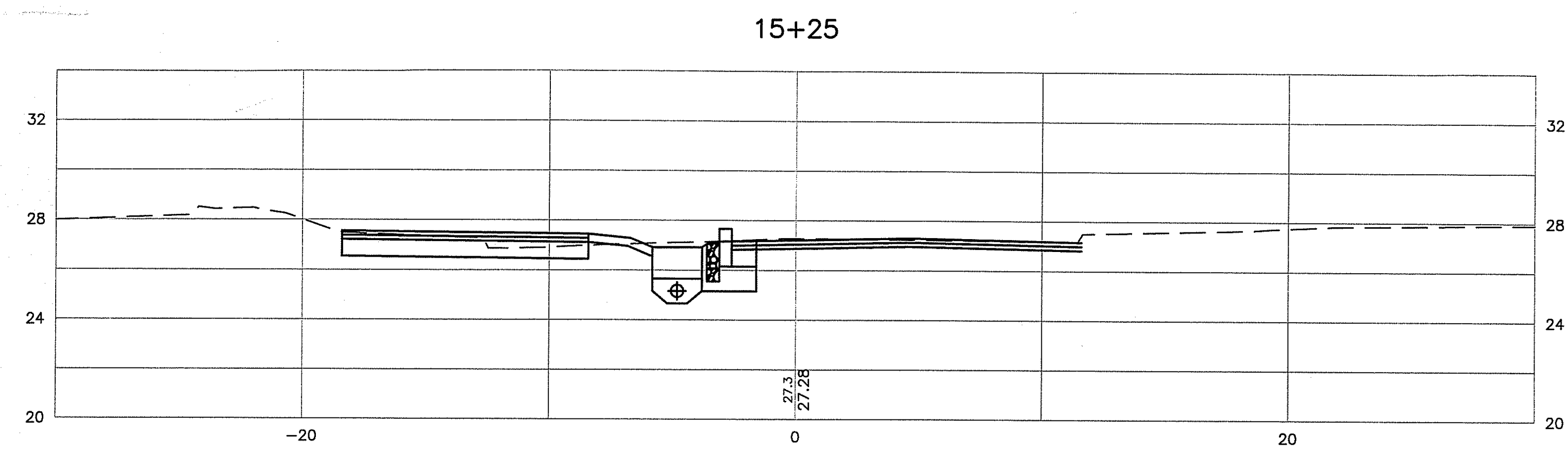
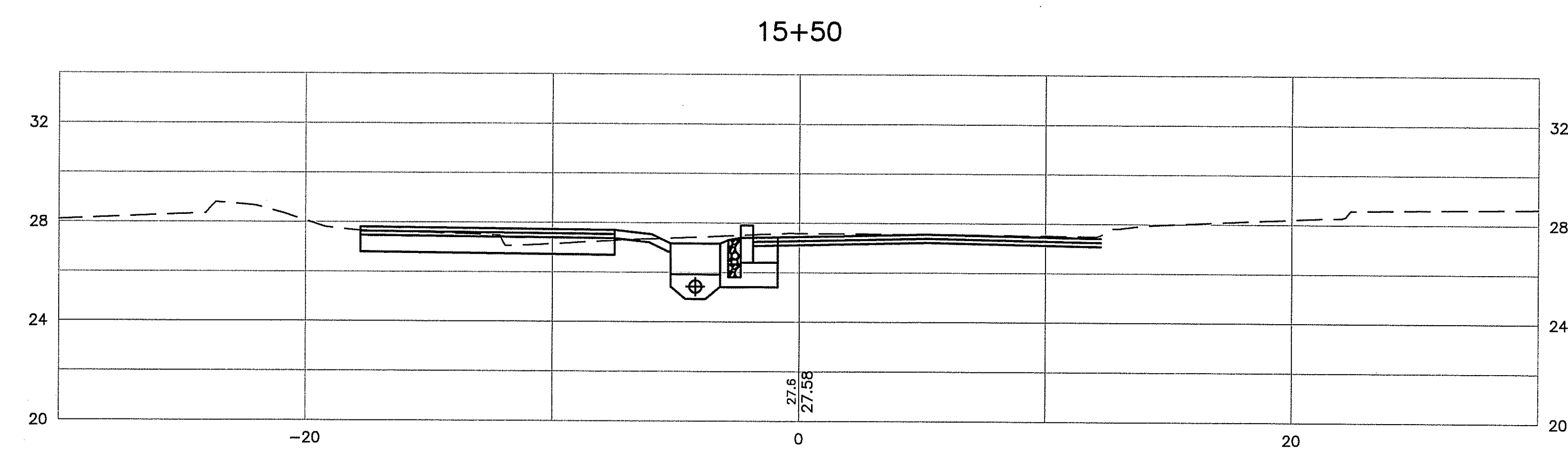
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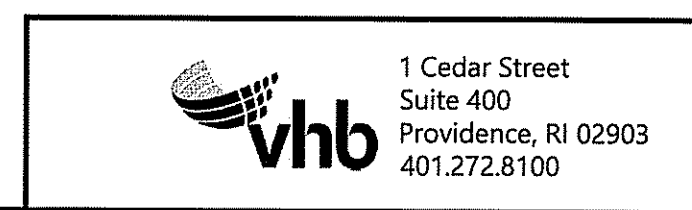
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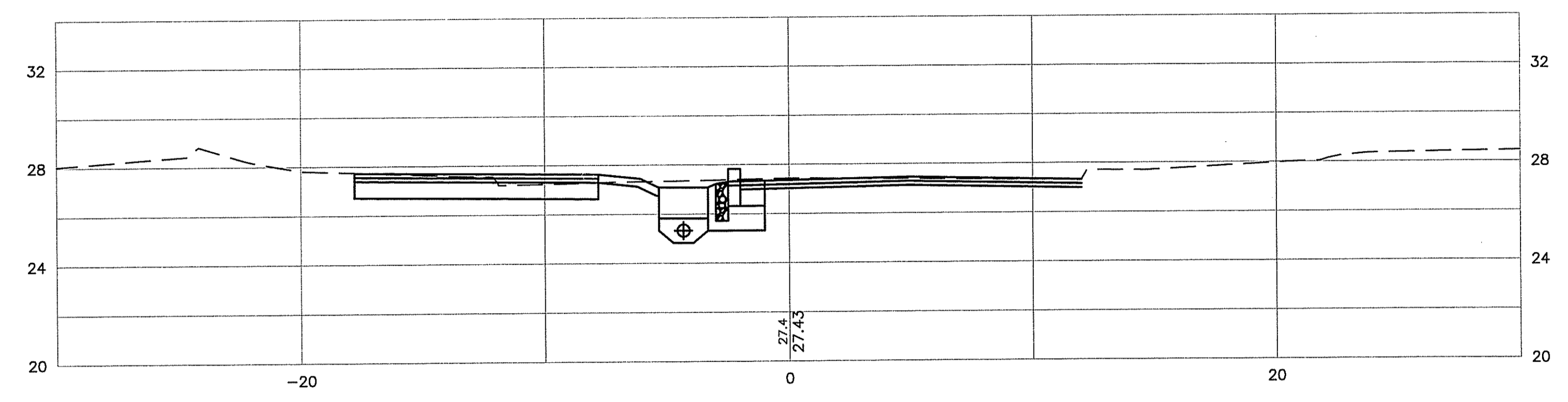
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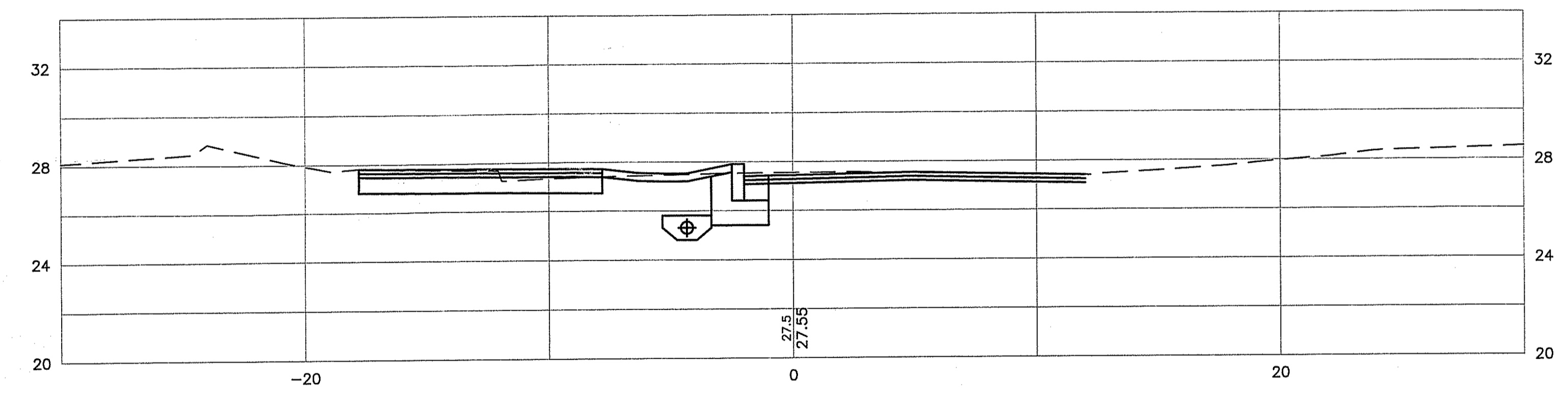


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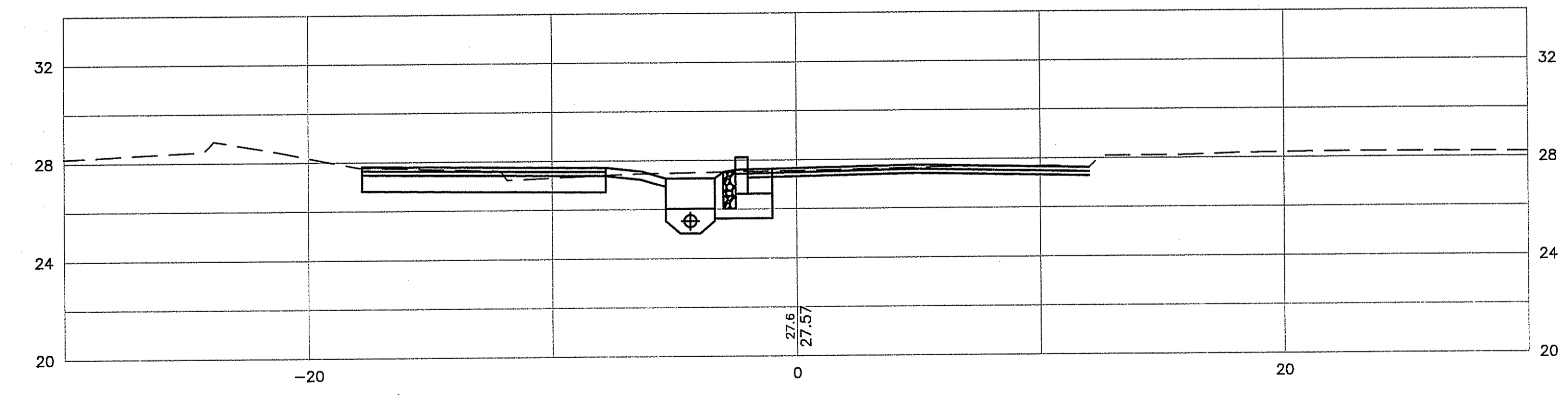
16+25



16+00



15+75



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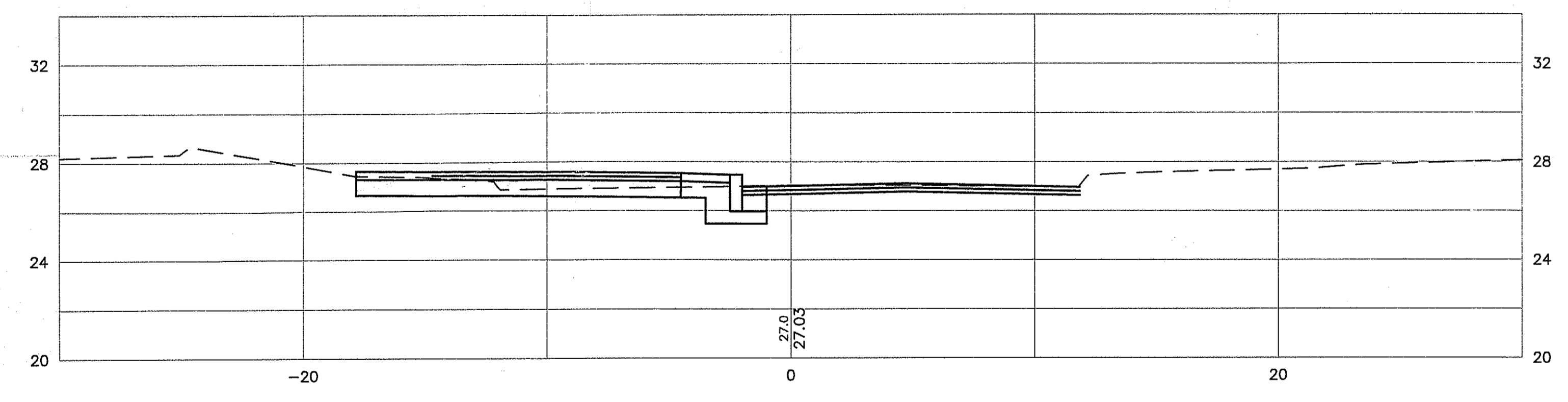
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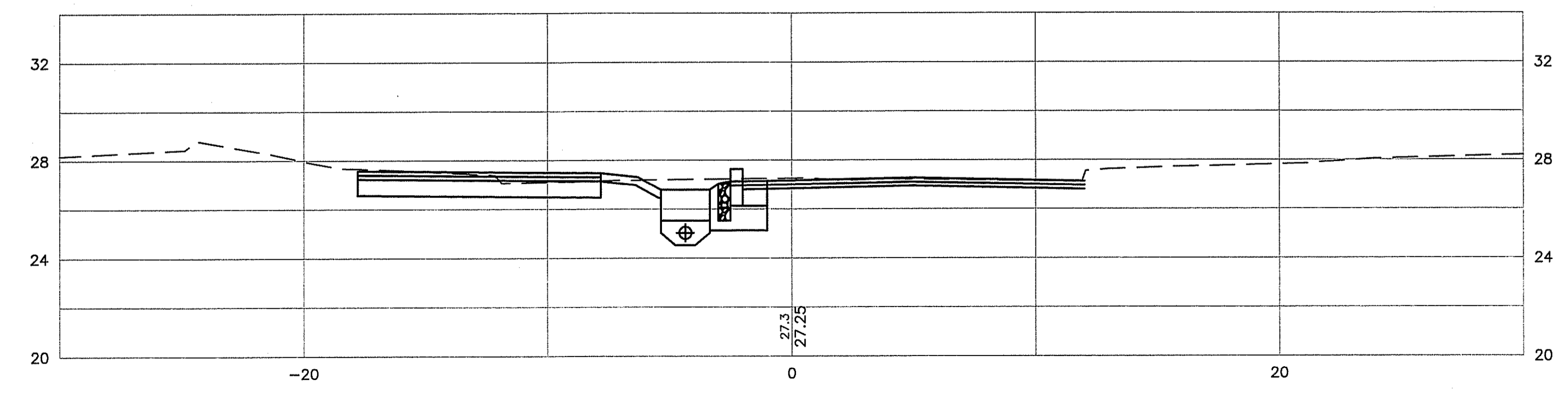
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16+75



16+50



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 AS SPECIFIED IN THE LETTER OF APPROVAL  
 FILE # 18-082  
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