Exhibit 66

WESTPOINT HARBOR MARINA

EXISTING AND PROPOSED PUBLIC ACCESS PLANS

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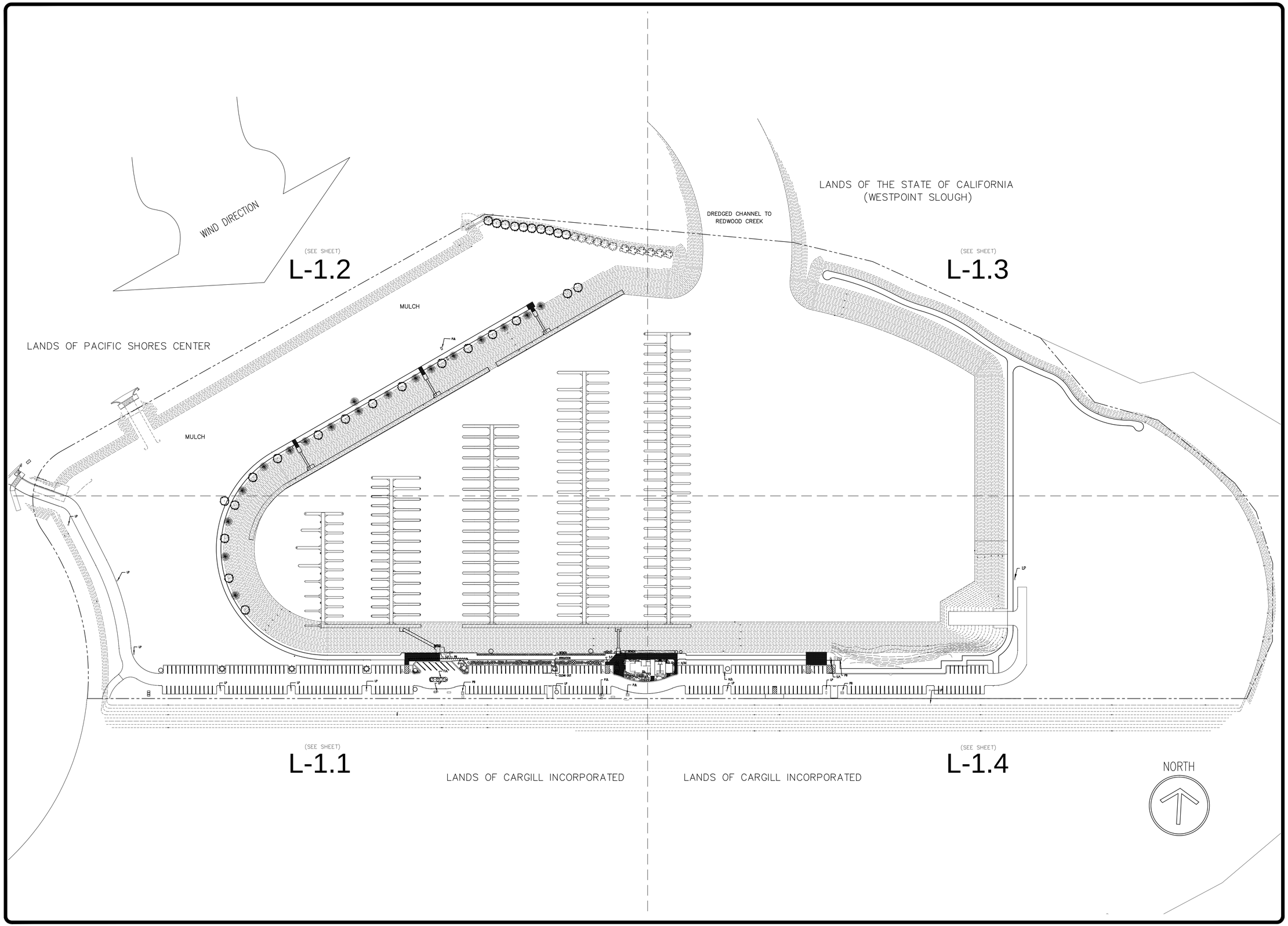

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WESTPOINT HARBOR MARINA

EXISTING PLANTING PLAN

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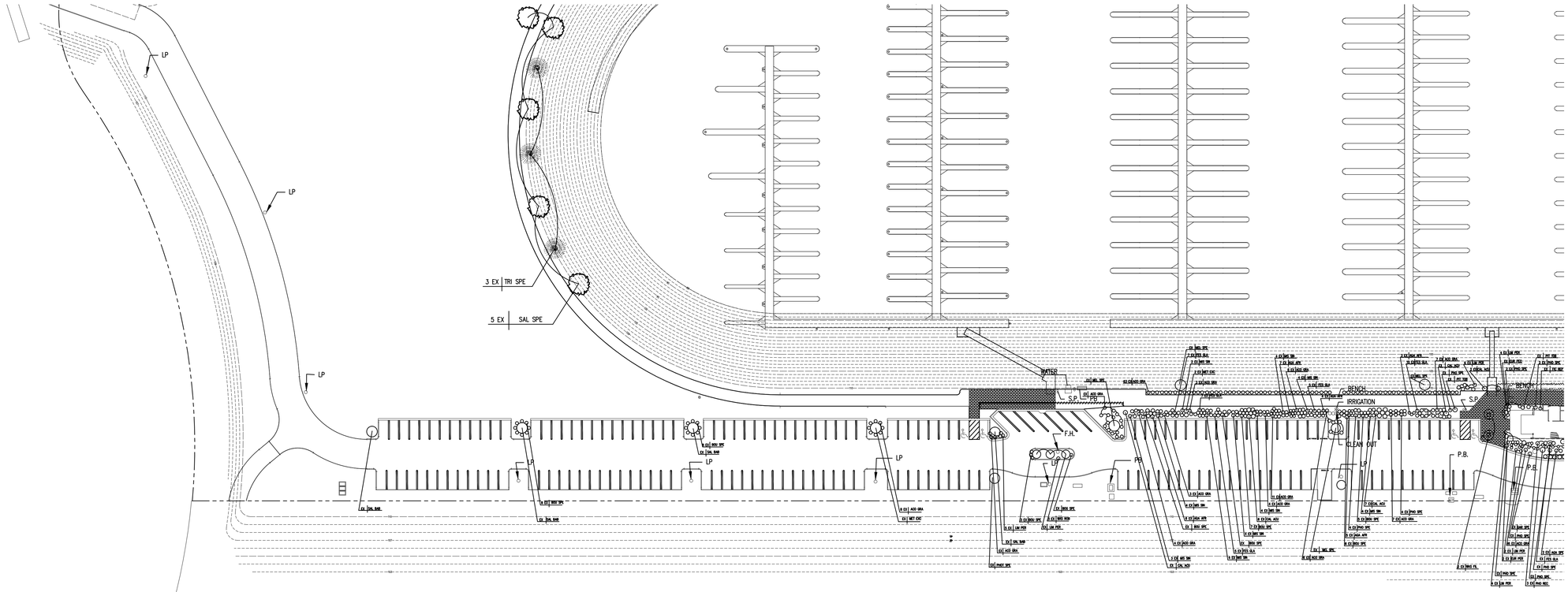

EXISTING PLANTS

Symbol	Botanical Name	Common Name
ACO GRA	Acorus gramineus	Dwarf Sedge
AGA AFR	Agapanthus africanus	African lily
AGA SPE	Agave species	Agave
ALO SPE	Alo species	Alo
BOU SPE	Bougainvillea species	Bougainvillea
CAL ACU	Calamagrostis acutiflora	Feather Reed Grass
CUP MAC	Cupressus macrocarpa	Monterey Cypress
EUR PEC	Euryops pectinatus	Golden Daisy Bush
FES GLA	Festuca glauca	Blue Fescue
FIC REP	Ficus repens	Climbing Fig
GAR SPE	Gardenia species	
HEU SPE	Heuchera species	Coral Bells
LIM PER	Limonium perezii	Perez's Sea Lavender
MEL SPE	Melaleuca species	Melaleuca
MET EXC	Metrosideros excelsa	New Zea. Christmas Tree
MIS SIN	Miscanthus sinensis	Chinese Silver Grass
MYO LAE	Myoparum laetum	Myoporum
PHO CAN	Phoenix canariensis	Canary Island Date Palm
PHO REC	Phoenix reclinata	Senegal Date Palm
PHO SPE	Phormium species	Flax
PHO SPE	Photinia species	Photinia
PIT TOB	Pittosporum Tobira	Japanese cheesewood
POP SPE	Populus species	Poplar
RHA IND	Rhaphiolepis indica	Indian Hawthorn
SAL BAB	Salix babylonica	Babylon Willow
SAL SPE	Salix species	Willow
TRI SPE	Tristaniopsis species	Laurina Water Gum
WAS FIL	Washingtonia filifera	California Fan Palm
WAS ROB	Washingtonia robusta	Mexican Fan Palm

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WESTPOINT HARBOR MARINA

EXISTING PLANTING PLAN CLOSE UP

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EXISTING PLANTS

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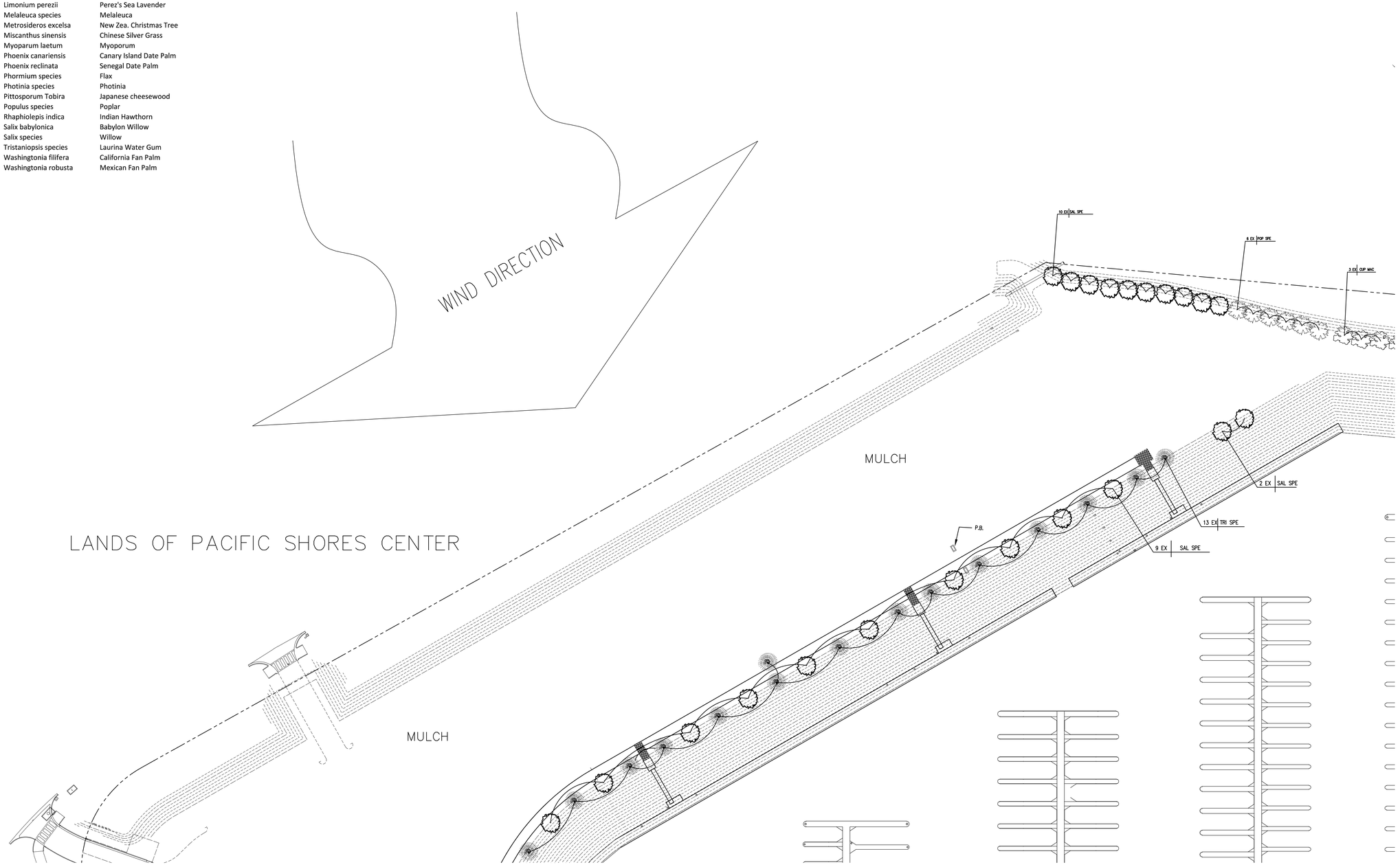

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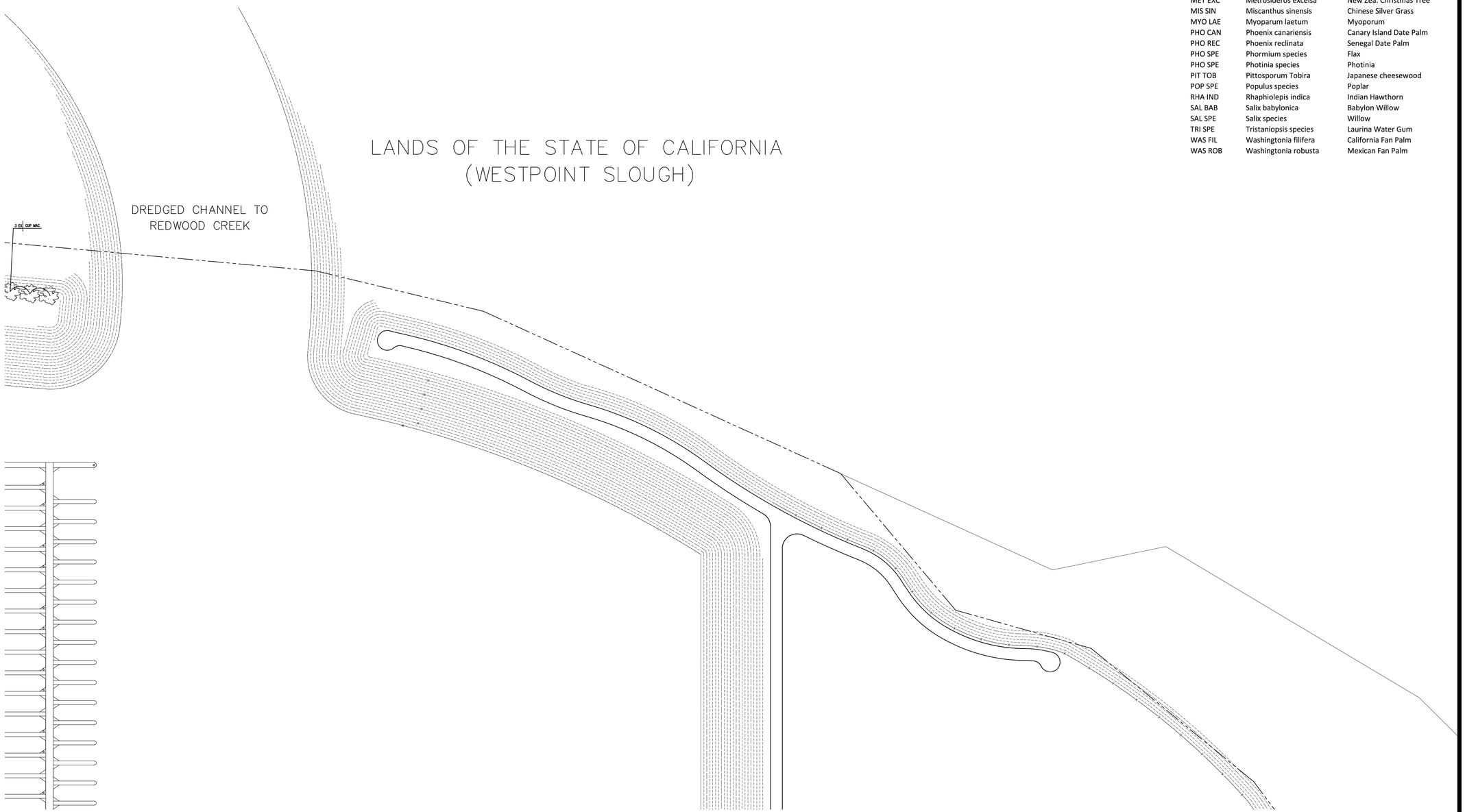

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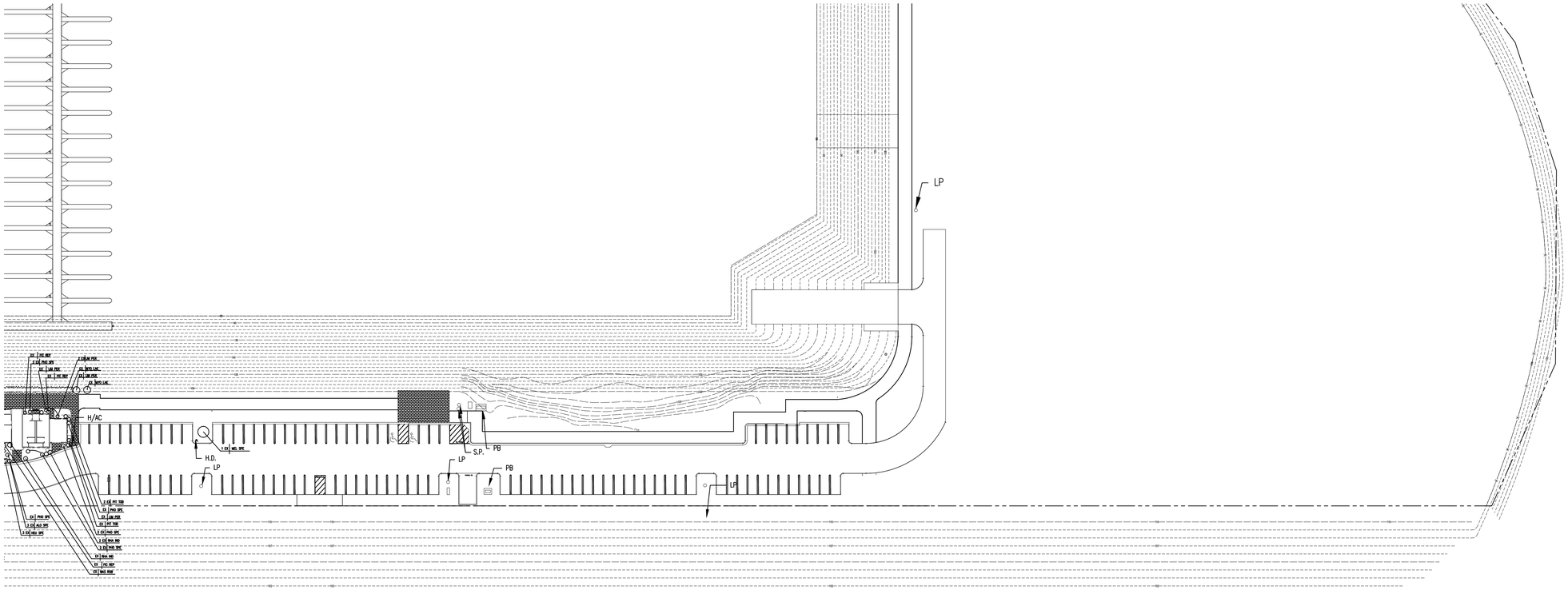

LANDS OF CARGILL INCORPORATED

EXISTING PLANTS

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WESTPOINT HARBOR MARINA

EXISTING PLANTING PLAN CLOSE UP

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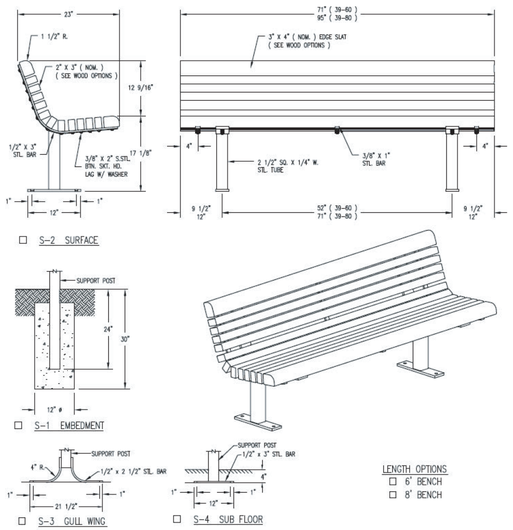


LENGTH OPTIONS
- ☐ 6' BENCH
- ☐ 8' BENCH

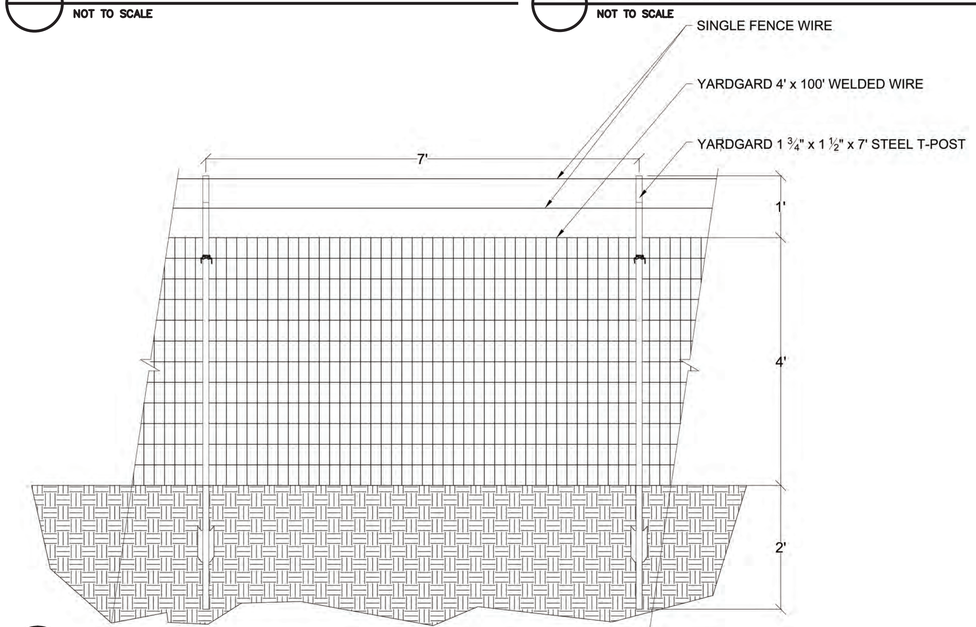
NOTES
1.) ALL STL. MEMBERS COATED W/ ZINC RICH EPOXY THEN FINISHED W/ POLYESTER POWDER COATING.
2.) ALL WOOD MEMBERS TREATED W/ CLEAR PRESERVATIVE.
3.) 1/2" X 3 3/4" PLTD. EXPANSION BOLTS PROVIDED FOR S-2, S-3 & S-4 OPTIONS.

WOOD OPTIONS
- ☐ CLEAR ALL HEART REDWOOD S4S EE
- ☐ 'C' & BTR. DOUGLAS FIR KD S4S EE
- ☐ CLEAR WESTERN RED CEDAR S4S EE
- ☐ OTHER _____

Westpoint Harbor to match receptacle at Pacific Shores Center (above).
Home Depot - Comercial Park 32 Gal. Trash Receptacle - Portable, Diamond, Green (right).

1 BENCH
NOT TO SCALE

2 RECEPTACLE
NOT TO SCALE



3 TEMPORARY FENCING
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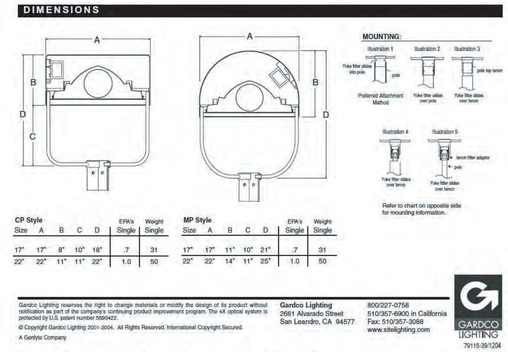

Manufacturer's cut-sheet, detail

Gardco fixtures at Pacific Shores Center

LIGHTING FIXTURE

GARDCO LIGHTING
FORM 10 ROUND
MP POST-TOP MOUNT
Cut-off pole-mount fixture; galvanized, white painted pole; spacing and pole height to be determined.

4 LIGHT STANDARD
NOT TO SCALE

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WESTPOINT HARBOR MARINA
DETAILS

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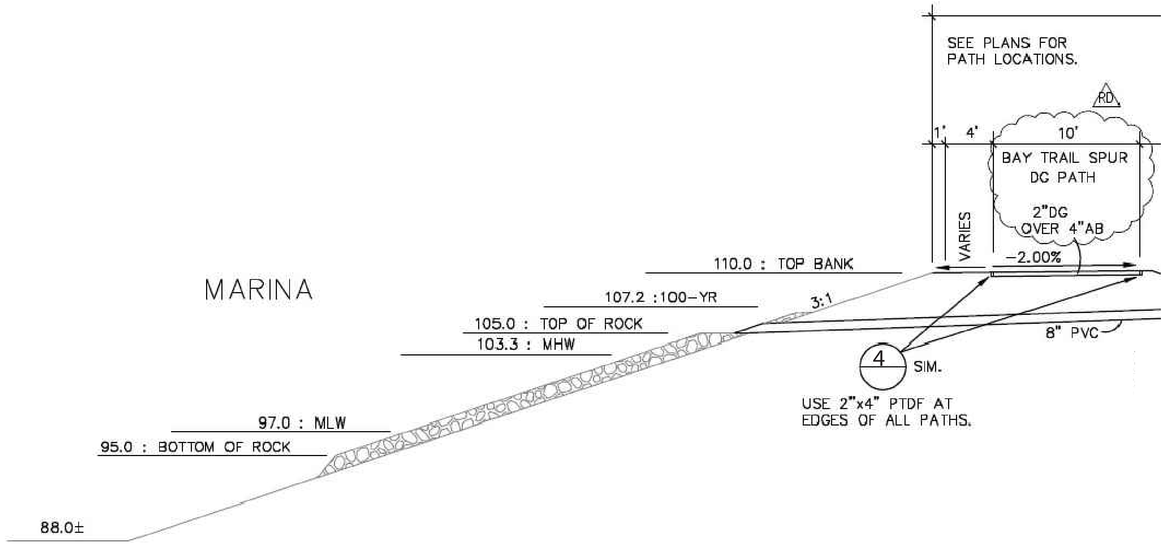
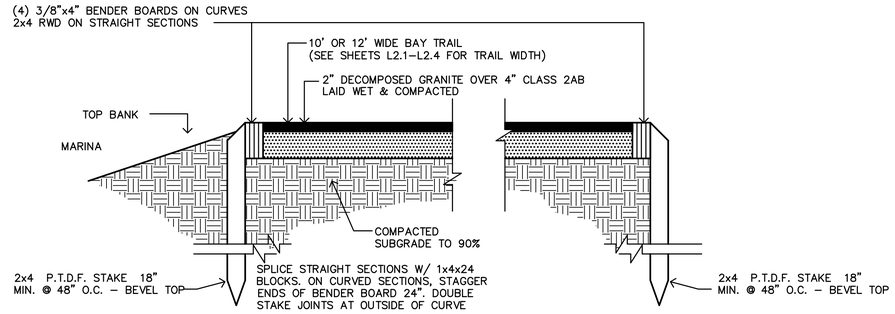
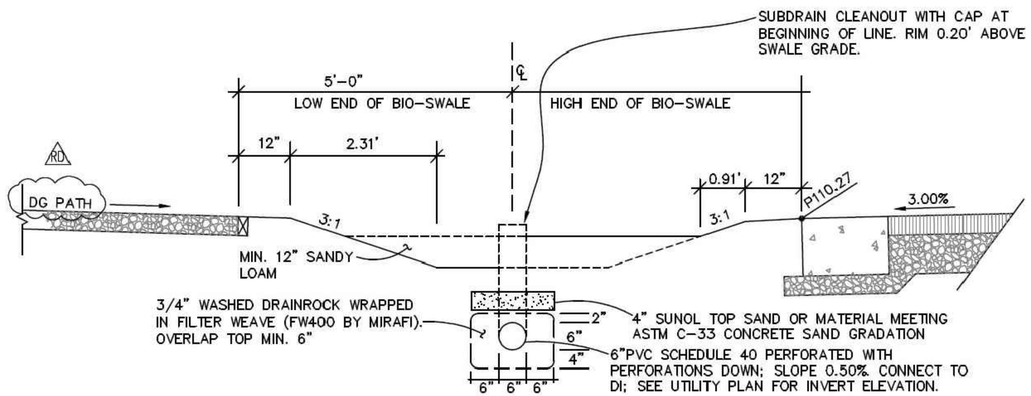


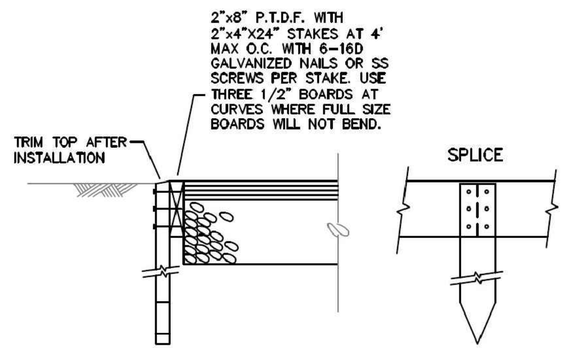
1 BAY TRAIL DETAIL
1"=70'0"



2 BAY TRAIL DETAIL WITH D.G. PAVING AND WOOD HEADER
1"=8'0"



3 BIO-SWALE SECTION
1"=16'0"



4 WOOD HEADER DETAIL
1"=10'0"

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WESTPOINT HARBOR MARINA
CONSTRUCTION DETAILS

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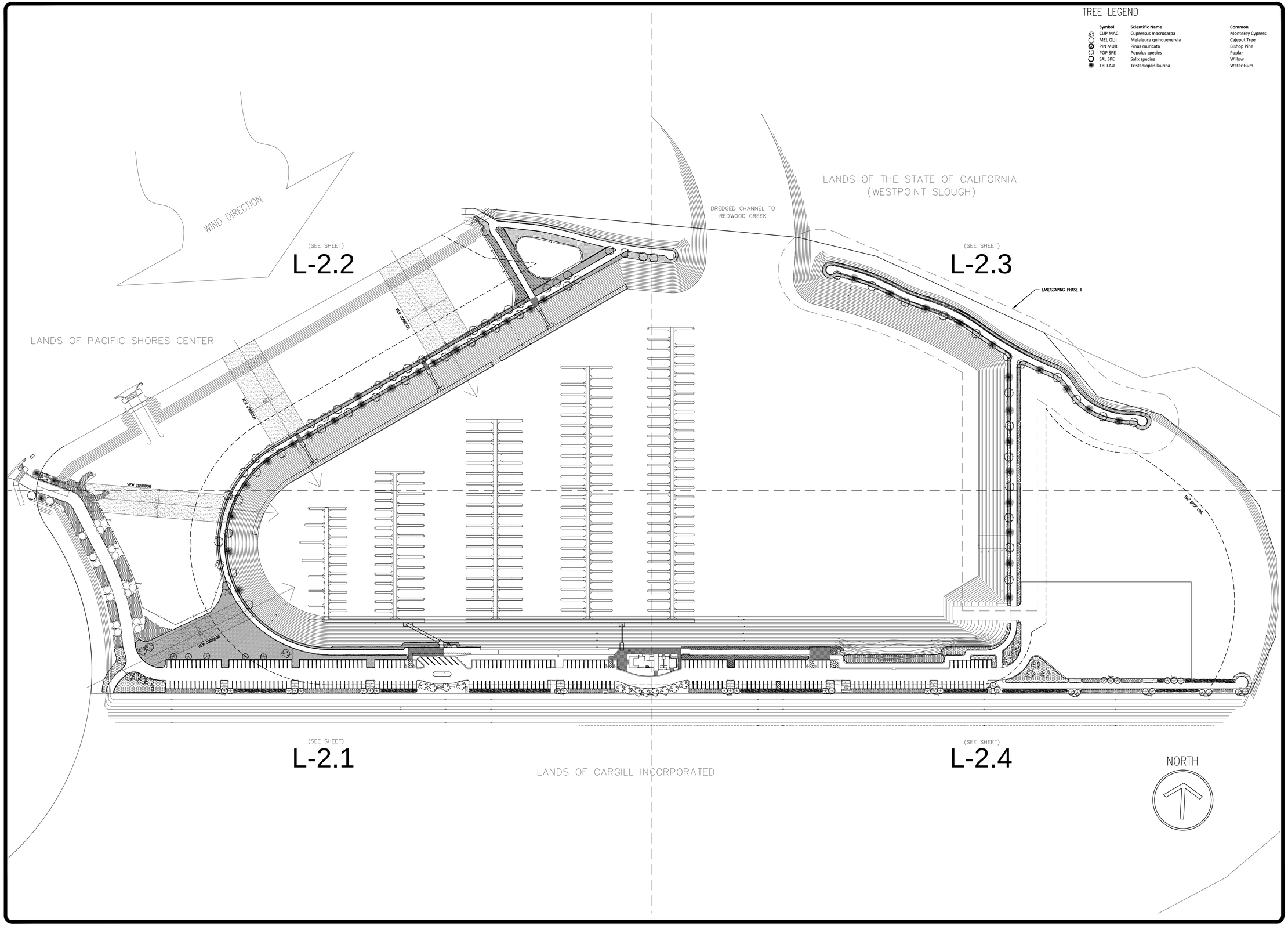

TREE LEGEND

Symbol	Scientific Name	Common
CUP MAC	Cupressus macrocarpa	Monterey Cypress
MEL QUI	Melaleuca quinquenervia	Cajeput Tree
PIN MUR	Pinus muricata	Bishop Pine
POP SPE	Populus species	Poplar
SAL SPE	Salix species	Willow
TRI LAU	Tristaniopsis laurina	Water Gum

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WESTPOINT HARBOR MARINA

PLANTING PLAN

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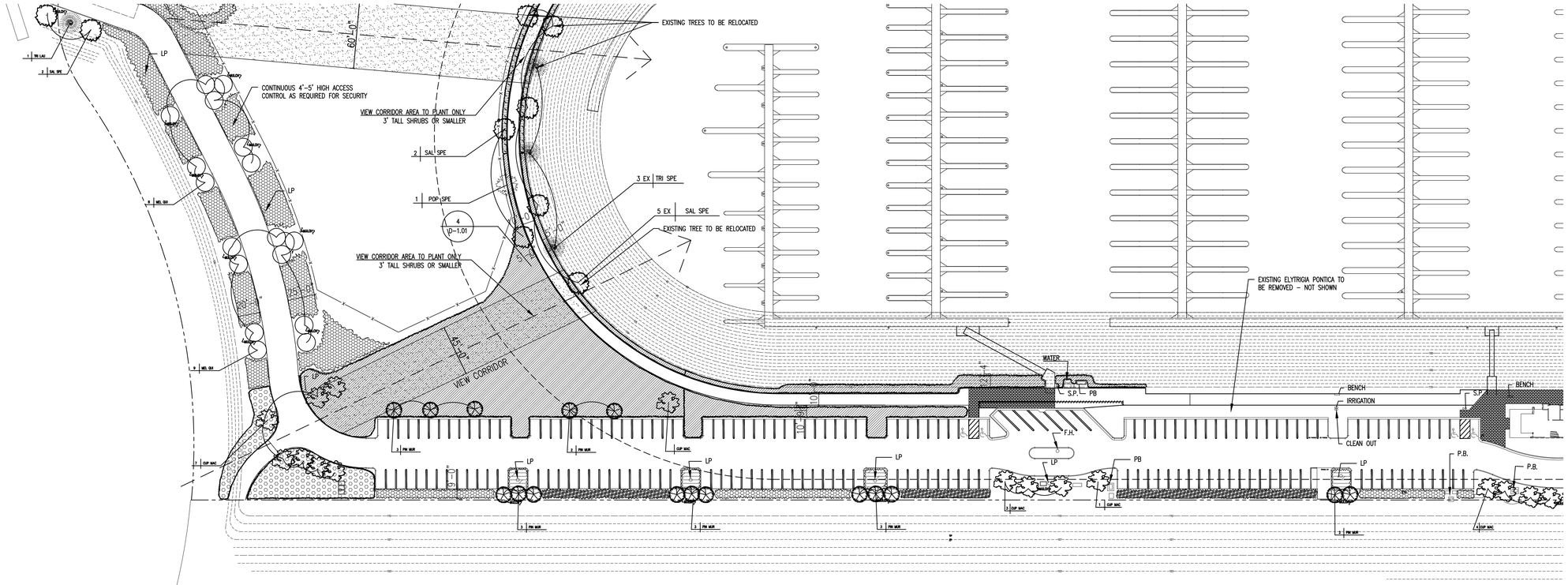

LANDS OF CARGILL INCORPORATED

TREE LEGEND

Symbol	Scientific Name	Common
CUP MAC	Cupressus macrocarpa	Monterey Cypress
MEL QUI	Melaleuca quinquenervia	Cajeput Tree
PIN MUR	Pinus muricata	Bishop Pine
POP SPE	Populus species	Poplar
SAL SPE	Salix species	Willow
TRI LAU	Tristaniopsis laurina	Water Gum

PLANTING ZONES (FOR PLANTING LAYOUT DETAIL SEE SHEET L-2.7)

ZONE A

Symbol	Scientific Name	Common
ARM MAR	Armeria maritina ssp. californica	Sea Thrift
AST CHI	Aster chilensis	California Aster
ART PYC	Artemisia pycnocephala	Beach Sagewort
ERI STA	Eriophyllum stachaedifolium	Lizard Tail
FRA CHI	Fragaria chiloensis	Coastal Strawberry/Sand Strawberry

ZONE B

Symbol	Scientific Name	Common
ART PYC	Artemisia pycnocephala	Beach Sagewort
DES CES	Deschampsia cespitosa	Tufted Hairgrass
FRA CHI	Fragaria chiloensis	Coastal Strawberry/Sand Strawberry
GRI STR	Grindelia stricta var. angustifolia	Pacific Gumplant
SCR CAL	Scrophularia californcia	Bee Plant

ZONE C

Symbol	Scientific Name	Common
ATR LEN	Atriplex lentiformis ssp. breweri	Brewer's Quail Bush
ROS OFF	Rosmarinus officinalis	Rosemary
DIS SPI	Distichlis spicata	Salt Grass
FRA SAL	Frankenia salina	Alkali-heath

ZONE D

Symbol	Scientific Name	Common
ROS OFF	Rosmarinus officinalis	Rosemary
CEA GRI	Ceanothus griseus	Carmel Creeper
HET ARB	Heteromeles arbutifolia	Toyon
FRA CHI	Fragaria chiloensis	Coastal Strawberry/Sand Strawberry

ZONE E

Symbol	Scientific Name	Common
ATR LEN	Atriplex lentiformis ssp. breweri	Brewer's Quail Bush
CEA GRI	Ceanothus griseus	Carmel Creeper
DES CES	Deschampsia cespitosa ssp. holciformis	Pacific Hair Grass
LUP VAR	Lupinus variicolor	Many Colored Lupine

ZONE F

Symbol	Scientific Name	Common
DUD FAR	Dudleya farinosa	Liveforever
ERI GLA	Erigeron glaucus	Seaside Daisy
FRA CHI	Fragaria chiloensis	Coastal Strawberry/Sand Strawberry
LIM CAL	Limonium californicum	Sea Lavendar
SED SPA	Sedum spathuifolium	Stonecrop

ZONE G

Symbol	Scientific Name	Common
ATR LEN	Atriplex lentiformis ssp. breweri	Brewer's Quail Bush
CEA GRI	Ceanothus griseus	Carmel Creeper
DES CES	Deschampsia cespitosa ssp. holciformis	Pacific Hair Grass
LUP VAR	Lupinus variicolor	Many Colored Lupine

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WESTPOINT HARBOR MARINA

PLANTING PLAN CLOSE UP

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scale: 1"=50'0"
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PLANTING ZONES (FOR PLANTING LAYOUT DETAIL SEE SHEET L-2.7)

ZONE A

Symbol	Scientific Name	Common
ARM MAR	Armeria maritina ssp. californica	Sea Thrift
AST CHI	Aster chilensis	California Aster
ART PYC	Artemisia pycnocephala	Beach Sagewort
ERI STA	Eriophyllum stachaedifolium	Lizard Tail
FRA CHI	Fragaria chiloensis	Coastal Strawberry/Sand Strawberry

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GRI STR	Grindelia stricta var. angustifolia	Pacific Gumplant
SCR CAL	Scrophularia californcia	Bee Plant

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Symbol	Scientific Name	Common
ATR LEN	Atriplex lentiformis ssp. breweri	Brewer's Quail Bush
ROS OFF	Rosmarinus officinalis	Rosemary
DIS SPI	Distichlis spicata	Salt Grass
FRA SAL	Frankenia salina	Alkali-heath

ZONE D

Symbol	Scientific Name	Common
ROS OFF	Rosmarinus officinalis	Rosemary
CEA GRI	Ceanothus griseus	Carmel Creeper
HET ARB	Heteromeles arbutifolia	Toyon
FRA CHI	Fragaria chiloensis	Coastal Strawberry/Sand Strawberry

ZONE E

Symbol	Scientific Name	Common
ATR LEN	Atriplex lentiformis ssp. breweri	Brewer's Quail Bush
CEA GRI	Ceanothus griseus	Carmel Creeper
DES CES	Deschampsia cespitosa ssp. holciformis	Pacific Hair Grass
LUP VAR	Lupinus variicolor	Many Colored Lupine

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FRA CHI	Fragaria chiloensis	Coastal Strawberry/Sand Strawberry
LIM CAL	Limonium californicum	Sea Lavendar
SED SPA	Sedum spathuifolium	Stonecrop

ZONE G

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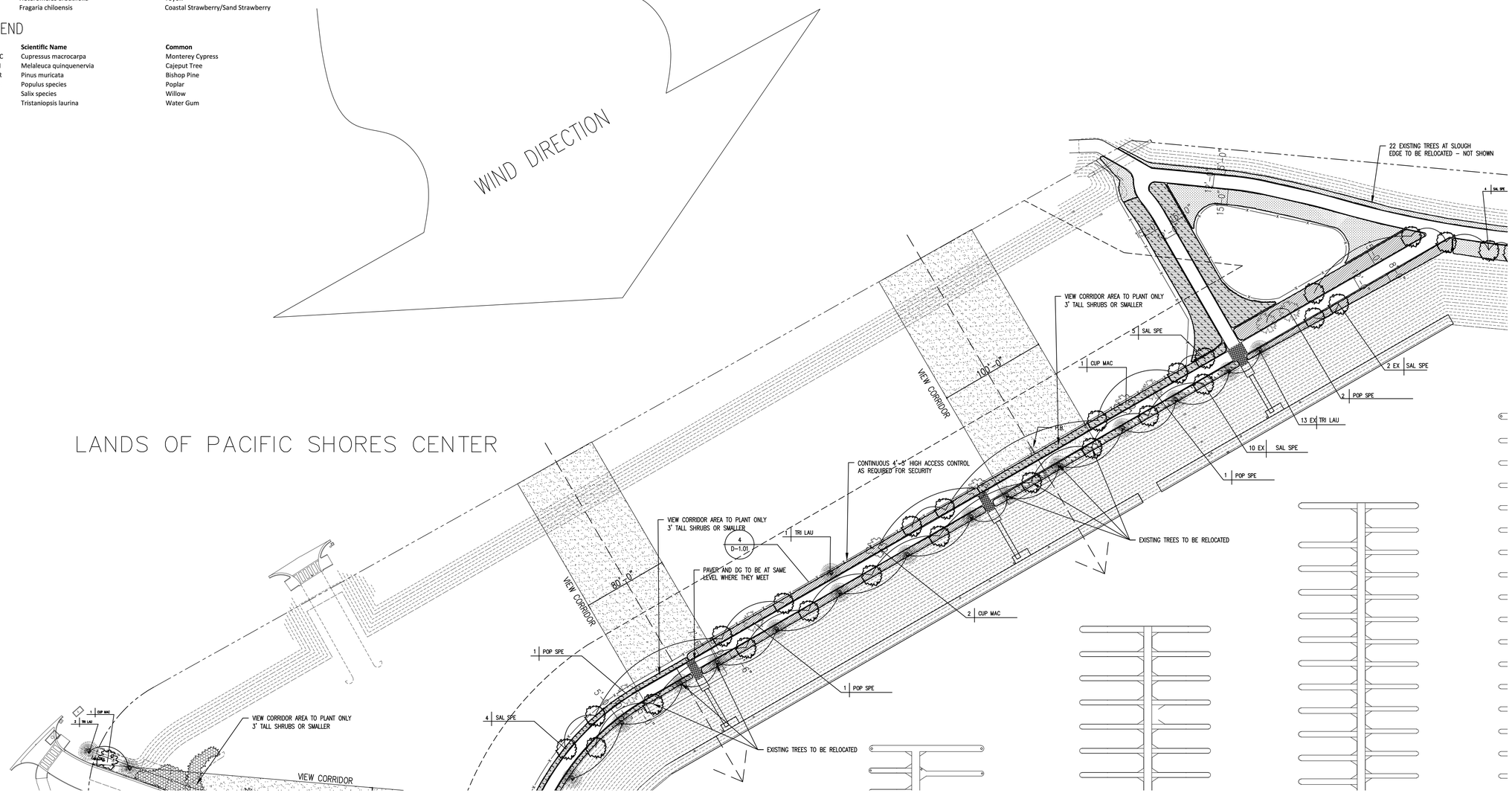

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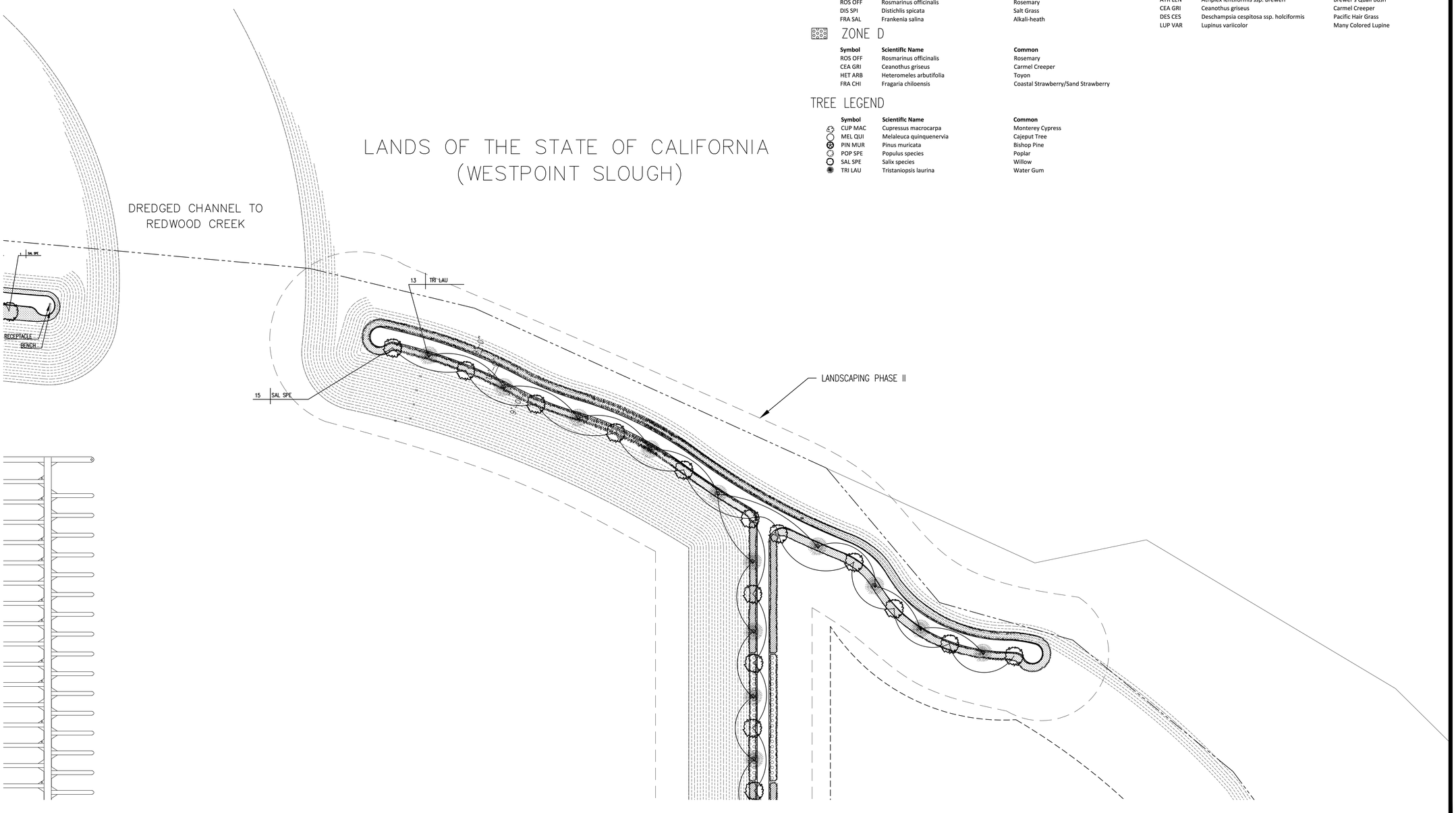

PLANTING ZONES (FOR PLANTING LAYOUT DETAIL SEE SHEET

ZONE A

Symbol	Scientific Name	Common
ARM MAR	Armeria maritina ssp. californica	Sea Thrift
AST CHI	Aster chilensis	California Aster
ART PYC	Artemisia pycnocephala	Beach Sagewort
ERI STA	Eriophyllum stachaedifolium	Lizard Tail
FRA CHI	Fragaria chiloensis	Coastal Strawberry/Sand Strawberry

ZONE B

Symbol	Scientific Name	Common
ART PYC	Artemisia pycnocephala	Beach Sagewort
DES CES	Deschampsia cespitosa	Tufted Hairgrass
FRA CHI	Fragaria chiloensis	Coastal Strawberry/Sand Strawberry
GRI STR	Grindelia stricta var. angustifolia	Pacific Gumplant
SCR CAL	Scrophularia californcia	Bee Plant

ZONE C

Symbol	Scientific Name	Common
ATR LEN	Atriplex lentiformis ssp. breweri	Brewer's Quail Bush
ROS OFF	Rosmarinus officinalis	Rosemary
DIS SPI	Distichlis spicata	Salt Grass
FRA SAL	Frankenia salina	Alkali-heath

ZONE D

Symbol	Scientific Name	Common
ROS OFF	Rosmarinus officinalis	Rosemary
CEA GRI	Ceanothus griseus	Carmel Creeper
HET ARB	Heteromeles arbutifolia	Toyon
FRA CHI	Fragaria chiloensis	Coastal Strawberry/Sand Strawberry

ZONE E

Symbol	Scientific Name	Common
ATR LEN	Atriplex lentiformis ssp. breweri	Brewer's Quail Bush
CEA GRI	Ceanothus griseus	Carmel Creeper
DES CES	Deschampsia cespitosa ssp. holciformis	Pacific Hair Grass
LUP VAR	Lupinus variicolor	Many Colored Lupine

ZONE F

Symbol	Scientific Name	Common
DUD FAR	Dudleya farinosa	Liveforever
ERI GLA	Erigeron glaucus	Seaside Daisy
FRA CHI	Fragaria chiloensis	Coastal Strawberry/Sand Strawberry
LIM CAL	Limonium californicum	Sea Lavendar
SED SPA	Sedum spathuifolium	Stonecrop

ZONE G

Symbol	Scientific Name	Common
ATR LEN	Atriplex lentiformis ssp. breweri	Brewer's Quail Bush
CEA GRI	Ceanothus griseus	Carmel Creeper
DES CES	Deschampsia cespitosa ssp. holciformis	Pacific Hair Grass
LUP VAR	Lupinus variicolor	Many Colored Lupine

TREE LEGEND

Symbol	Scientific Name	Common
CUP MAC	Cupressus macrocarpa	Monterey Cypress
MEL QUI	Melaleuca quinquenervia	Cajeput Tree
PIN MUR	Pinus muricata	Bishop Pine
POP SPE	Populus species	Poplar
SAL SPE	Salix species	Willow
TRI LAU	Tristaniopsis laurina	Water Gum

REVISIONS	BY
09–11–2012	

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WESTPOINT HARBOR MARINA

PLANTING PLAN CLOSE UP

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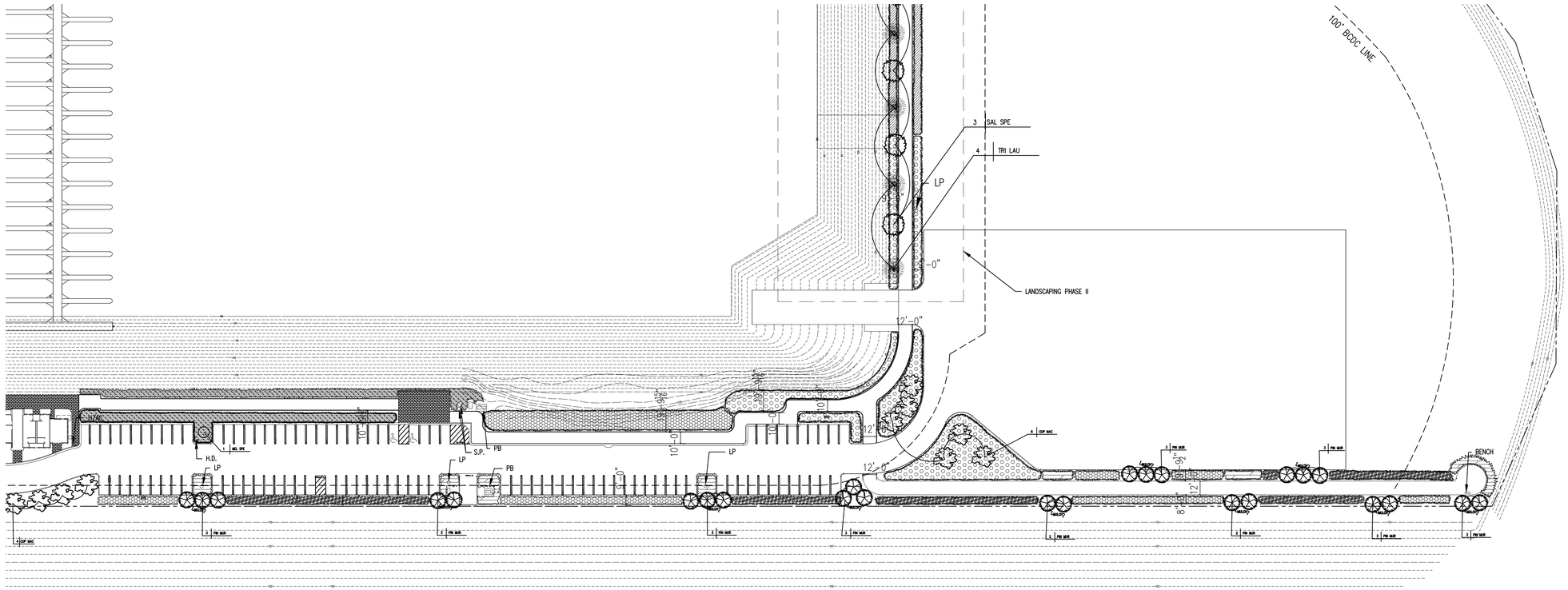

LANDS OF CARGILL INCORPORATED

PLANTING ZONES (FOR PLANTING LAYOUT DETAIL SEE SHEET L-2.7)

ZONE A

Symbol	Scientific Name	Common
ARM MAR	Armeria maritina ssp. californica	Sea Thrift
AST CHI	Aster chilensis	California Aster
ART PYC	Artemisia pycnocephala	Beach Sagewort
ERI STA	Eriophyllum stachaedifolium	Lizard Tail
FRA CHI	Fragaria chiloensis	Coastal Strawberry/Sand Strawberry

ZONE B

Symbol	Scientific Name	Common
ART PYC	Artemisia pycnocephala	Beach Sagewort
DES CES	Deschampsia cespitosa	Tufted Hairgrass
FRA CHI	Fragaria chiloensis	Coastal Strawberry/Sand Strawberry
GRI STR	Grindelia stricta var. angustifolia	Pacific Gumplant
SCR CAL	Scrophularia californcia	Bee Plant

ZONE C

Symbol	Scientific Name	Common
ATR LEN	Atriplex lentiformis ssp. breweri	Brewer's Quail Bush
ROS OFF	Rosmarinus officinalis	Rosemary
DIS SPI	Distichlis spicata	Salt Grass
FRA SAL	Frankenia salina	Alkali-heath

ZONE D

Symbol	Scientific Name	Common
ROS OFF	Rosmarinus officinalis	Rosemary
CEA GRI	Ceanothus griseus	Carmel Creeper
HET ARB	Heteromeles arbutifolia	Toyon
FRA CHI	Fragaria chiloensis	Coastal Strawberry/Sand Strawberry

ZONE E

Symbol	Scientific Name	Common
ATR LEN	Atriplex lentiformis ssp. breweri	Brewer's Quail Bush
CEA GRI	Ceanothus griseus	Carmel Creeper
DES CES	Deschampsia cespitosa ssp. holciformis	Pacific Hair Grass
LUP VAR	Lupinus variicolor	Many Colored Lupine

ZONE F

Symbol	Scientific Name	Common
DUD FAR	Dudleya farinosa	Liveforever
ERI GLA	Erigeron glaucus	Seaside Daisy
FRA CHI	Fragaria chiloensis	Coastal Strawberry/Sand Strawberry
LIM CAL	Limonium californicum	Sea Lavendar
SED SPA	Sedum spathulfolium	Stonecrop

ZONE G

Symbol	Scientific Name	Common
ATR LEN	Atriplex lentiformis ssp. breweri	Brewer's Quail Bush
CEA GRI	Ceanothus griseus	Carmel Creeper
DES CES	Deschampsia cespitosa ssp. holciformis	Pacific Hair Grass
LUP VAR	Lupinus variicolor	Many Colored Lupine

TREE LEGEND

Symbol	Scientific Name	Common
CUP MAC	Cupressus macrocarpa	Monterey Cypress
MEL QUI	Melaleuca quinquenervia	Cajeput Tree
PIN MUR	Pinus muricata	Bishop Pine
POP SPE	Populus species	Poplar
SAL SPE	Salix species	Willow
TRI LAU	Tristaniopsis laurina	Water Gum

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WESTPOINT HARBOR MARINA

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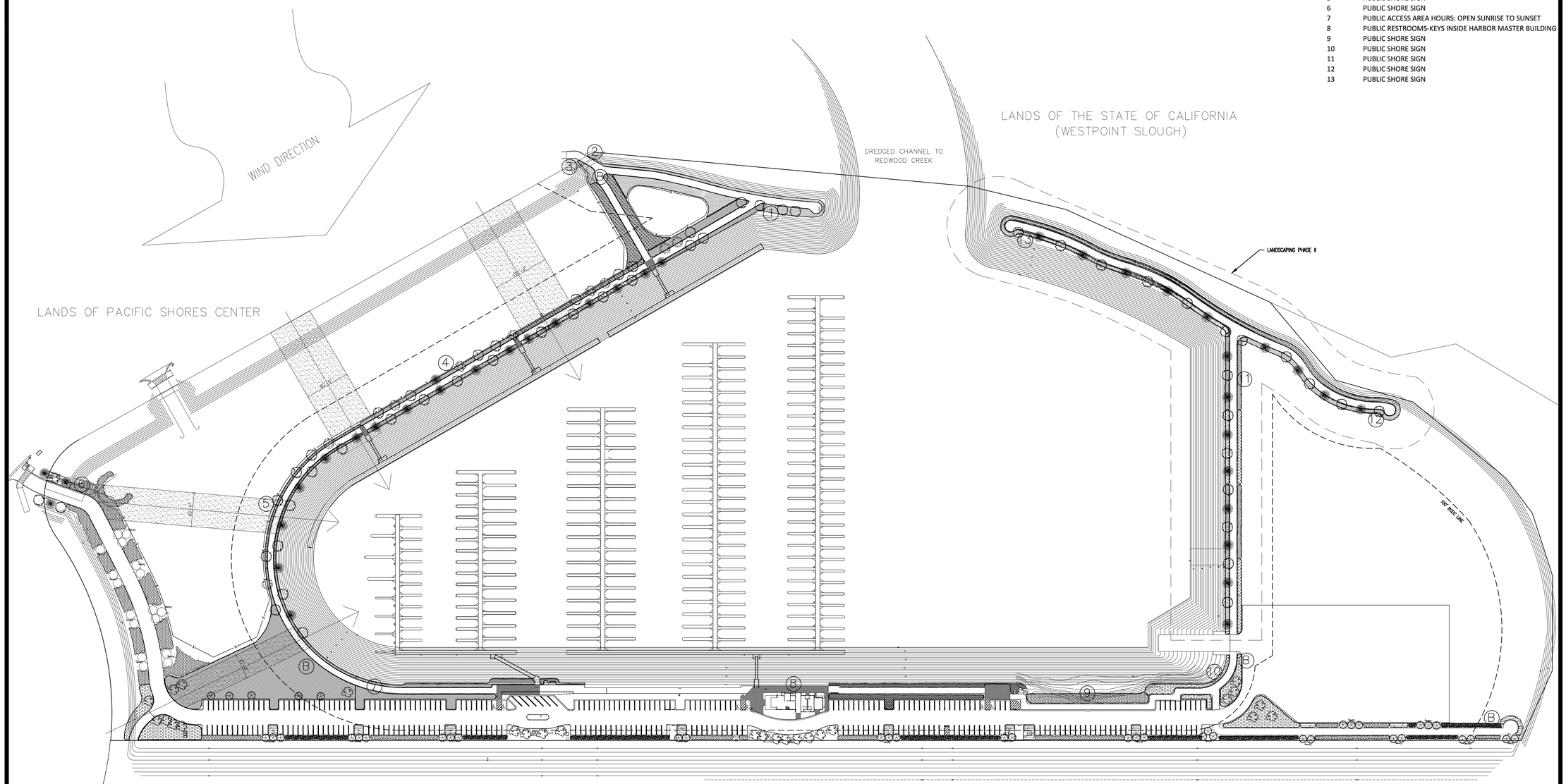
B	BAY TRAIL SIGNAGE
1	PUBLIC SHORE SIGN
2	PUBLIC SHORE SIGN
3	PUBLIC ACCESS AREA HOURS: OPEN SUNRISE TO SUNSET
4	PUBLIC SHORE SIGN
5	PUBLIC SHORE SIGN
6	PUBLIC SHORE SIGN
7	PUBLIC ACCESS AREA HOURS: OPEN SUNRISE TO SUNSET
8	PUBLIC RESTROOMS-KEYS INSIDE HARBOR MASTER BUILDING
9	PUBLIC SHORE SIGN
10	PUBLIC SHORE SIGN
11	PUBLIC SHORE SIGN
12	PUBLIC SHORE SIGN
13	PUBLIC SHORE SIGN



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WESTPOINT HARBOR MARINA

PUBLIC ACCESS SIGNAGE PLAN

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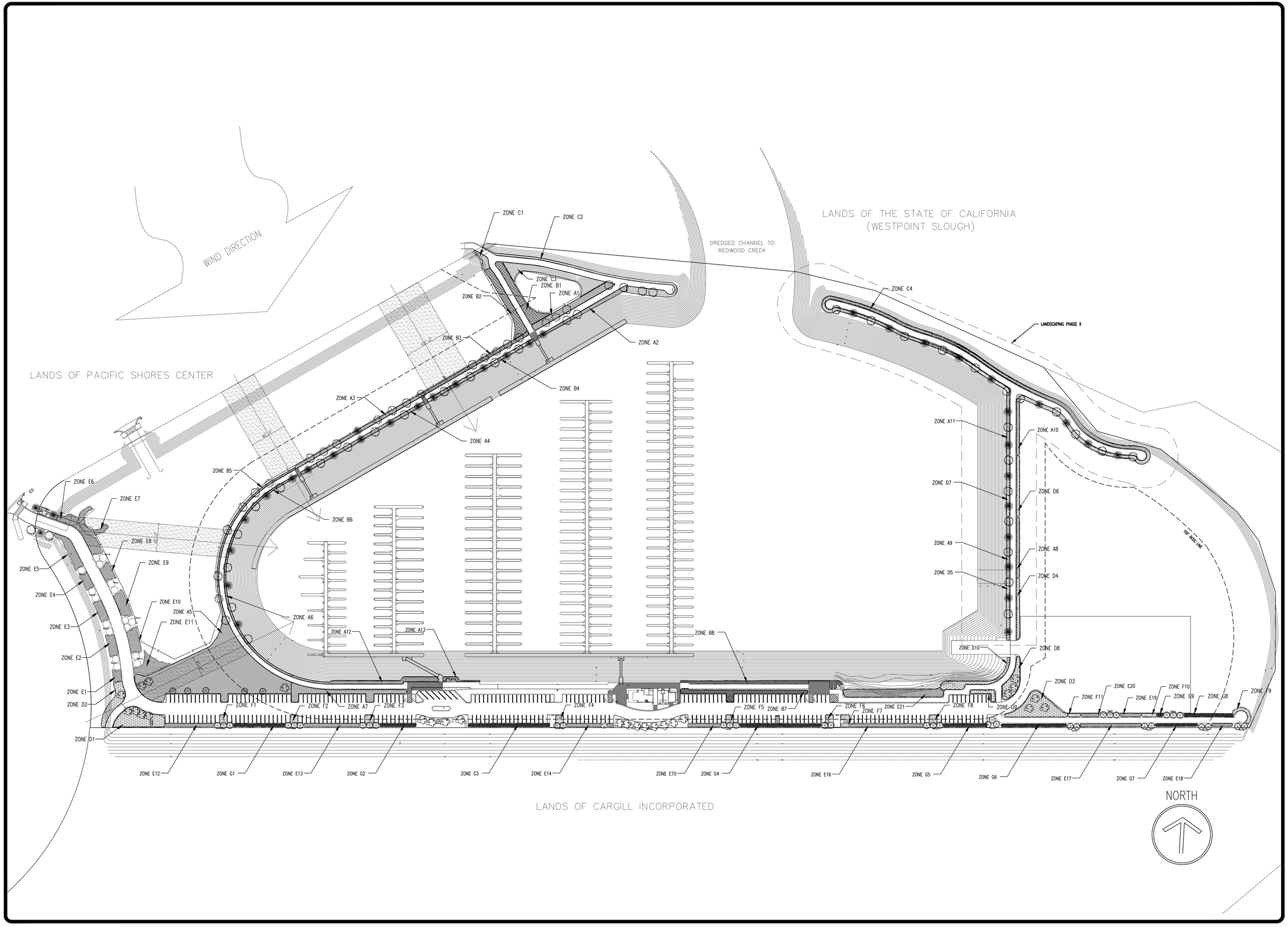

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WESTPOINT HARBOR MARINA

PLANTING ZONES

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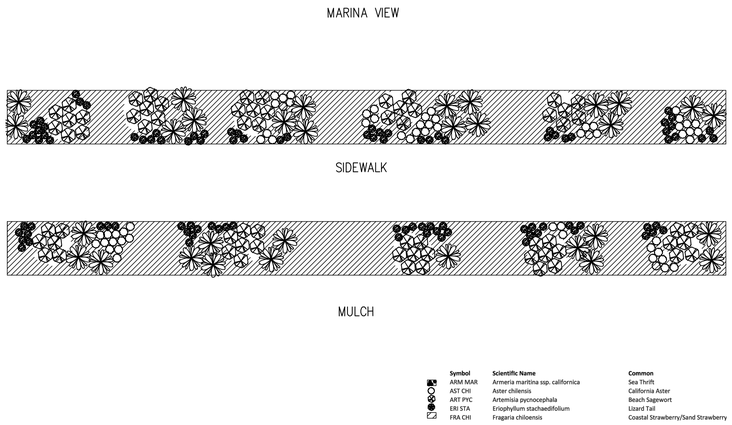
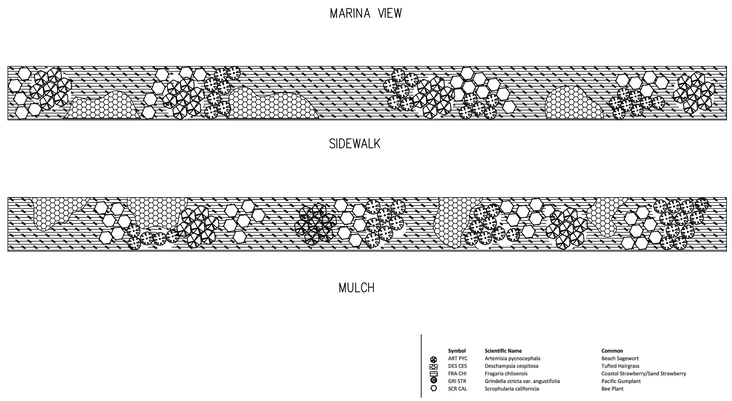


Symbol	Scientific Name	Common
ARM MAR	Armeria maritina ssp. californica	Sea Thrift
AST CHI	Aster chilensis	California Aster
ART PYC	Artemisia pycnocephala	Beach Sagewort
ERI STA	Eriophyllum stachaedifolium	Lizard Tail
FRA CHI	Fragaria chiloensis	Coastal Strawberry/Sand Strawberry

PLANTING SCHEME A - 750SF (EACH SIDE)

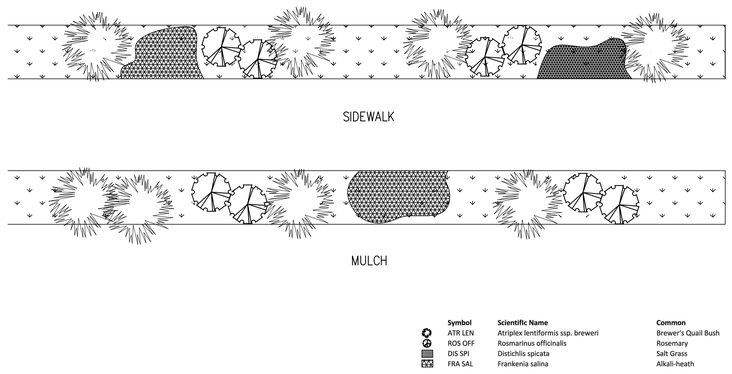
1:10



Symbol	Scientific Name	Common
ART PYC	Artemisia pycnocephala	Beach Sagewort
DES CES	Deschampsia cespitosa	Tufted Hairgrass
FRA CHI	Fragaria chiloensis	Coastal Strawberry/Sand Strawberry
GRI STR	Grindelia stricta var. angustifolia	Pacific Gumplant
SCR CAL	Scrophularia californcia	Bee Plant

PLANTING SCHEME B - 750SF (EACH SIDE)

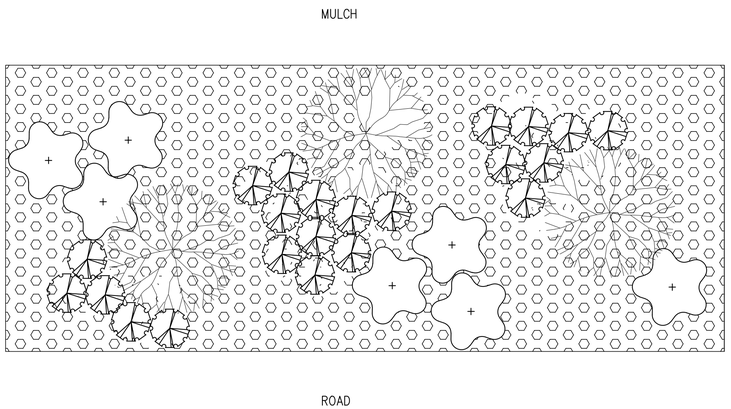
1:10



Symbol	Scientific Name	Common
ATR LEN	Atriplex lentiformis ssp. breweri	Brewer's Quail Bush
ROS OFF	Rosmarinus officinalis	Rosemary
DIS SPI	Distichlis spicata	Salt Grass
FRA SAL	Frankenia salina	Alkali-heath

PLANTING SCHEME C - 750 SF (EACH SIDE)

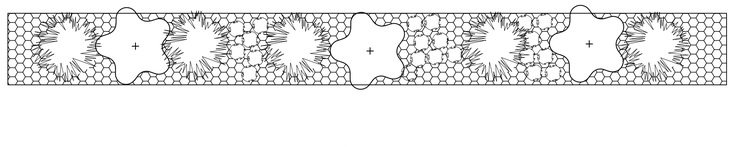
1:10



Symbol	Scientific Name	Common
ROS OFF	Rosmarinus officinalis	Rosemary
CEA GRI	Ceanothus griseus	Carmel Creeper
HET ARB	Heteromeles arbutifolia	Toyon
FRA CHI	Fragaria chiloensis	Coastal Strawberry/Sand Strawberry

PLANTING SCHEME D - 4000 SF

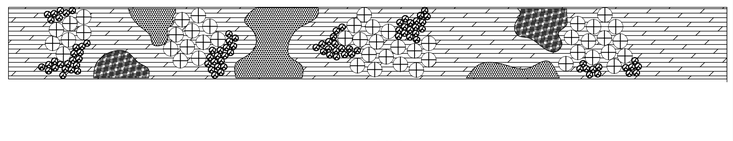
1:10



Symbol	Scientific Name	Common
ATR LEN	Atriplex lentiformis ssp. breweri	Brewer's Quail Bush
CEA GRI	Ceanothus griseus	Carmel Creeper
DES CES	Deschampsia cespitosa ssp. holciformis	Pacific Hair Grass
LUP VAR	Lupinus varicolor	Many Colored Lupine

PLANTING SCHEME E - 1000SF

1:10



Symbol	Scientific Name	Common
DUD FAR	Dudleya farinosa	Liveforever
ERI GLA	Erigeron glaucus	Seaside Daisy
FRA CHI	Fragaria chiloensis	Coastal Strawberry/Sand Strawberry
LIM CAL	Limonium californicum	Sea Lavendar
SED SPA	Sedum spathulfolium	Stonecrop

PLANTING SCHEME F - 1000 SF

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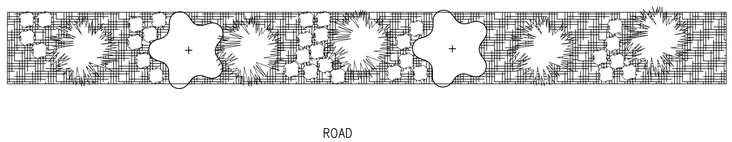

Symbol	Scientific Name	Common
ATR LEN	Atriplex lentiformis ssp. breweri	Brewer's Quail Bush
CEA GRI	Ceanothus griseus	Carmel Creeper
DES CES	Deschampsia cespitosa ssp. holciformis	Pacific Hair Grass
LUP VAR	Lupinus varicolor	Many Colored Lupine

PLANTING SCHEME G - 1000 SF

1:10

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WESTPOINT HARBOR MARINA

PLANTING SCHEMES

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EXISTING IRRIGATION LEGEND

SYMBOL	MODEL	RADIUS	GPM	DESCRIPTION
• • •	570Z-4P W/ VARIOUS NOZZLES	VARIES	VARIES	RAINBIRD SPRAY HEAD W/ 4" POP-UP
●	BUBBLER NOZZLE/ ON FLEX TUBING	.NA	.5 GPM	RAINBIRD FLOOD BUBBLER
∘	DRIP EMITTER ON PVC RISER	.NA	.5 GPM	RAINBIRD QUADRA-BUBBLER
	CLASS 200 PVC NON-PRESSURE PIPE,			LATERAL LINES 18" MIN. COVER (24" IN PAVED AREAS)
	SCHEDULE 40 PVC PRESSURE PIPE SIZE AS NOTED			MAINLINE 24" MIN. COVER
	PEB VALVE SIZE AS NOTED			RAINBIRD REMOTE CONTROL VALVE
	825Y-YA 1 1/2" SIZE			FEBCO REDUCED PRESSURE BACKFLOW PREVENTER 1 1/2" SIZE
C	EXISTING CONTROLLER			EXISTING CONTROLLER
POC	POINT OF CONNECTION			EXISTING 1 1/2" METER VERIFY LOCATION IN FIELD

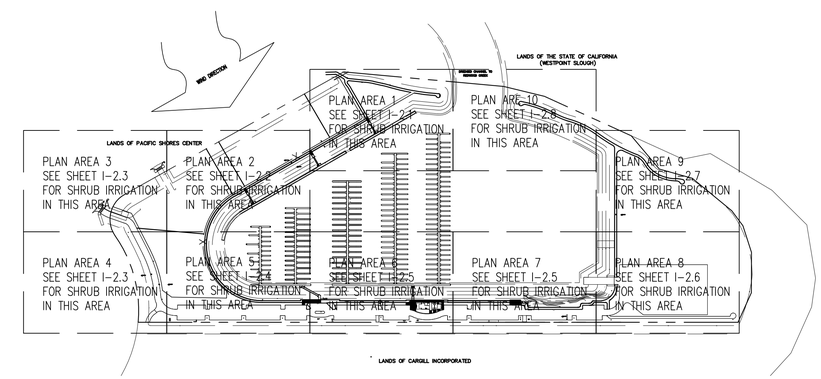
PROPOSED IRRIGATION LEGEND

SYMBOL	MODEL	RADIUS	GPM	DESCRIPTION
	XFS-P-06-18	N/A	.61 GPH@ 18"OC	RAINBIRD SUBSURFACE DRIPLINE NON-POTABLE PURPLE COLOR
	RWS-M-B-C-1401	N/A	.25 GPM	RAINBIRD ROOT WATERING EMITTER WITH NON-POTABLE PURPLE GRATE, ONE PER TREE
	CLASS 200 PVC, NON-PRESSURE PIPE			LATERAL LINES 18" MIN. COVER (24" IN PAVED AREAS NON-POTABLE PURPLE COLOR
	SCHEDULE 40 PVC PRESSURE PIPE SIZE AS NOTED			MAINLINE 24" MIN. COVER NON-POTABLE PURPLE COLOR
	PEB VALVE SIZE AS NOTED			RAINBIRD REMOTE CONTROL VALVE W/ PURPLE VALVE BOX
	825Y-YA 1 1/2" SIZE			FEBCO REDUCED PRESSURE BACKFLOW PREVENTER 1 1/2" SIZE EXISTING
C	MC-48E W/ P6B PEDESTAL			IRRITROL 48 STATION CONTROLLER PEDESTAL MOUNT W/PEDESTAL
R	850-75 RAIN SWITCH			TORO RAIN SHUT-OFF SWITCH
POC	POINT OF CONNECTION			EXISTING TEE OF WATER SERVICE LINE, VERIFY LOCATION IN FIELD

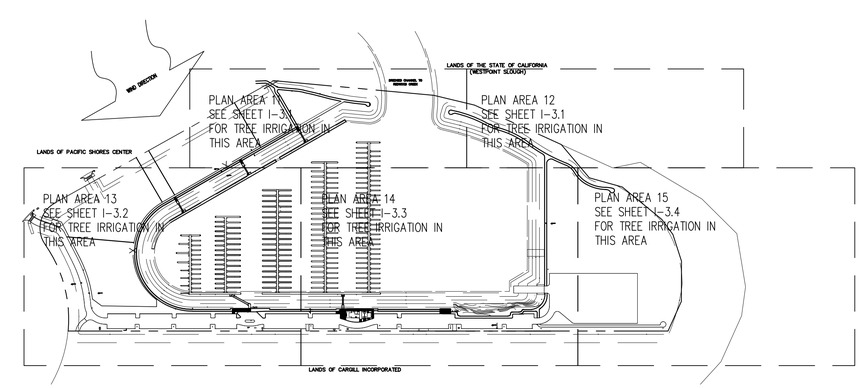
GPM 1 ← CONTROLLER STATION NUNBER
1½" ← REMOTE CONTROL VALVE SIZE

IRRIGATION NOTES

1. THIS DESIGN IS DIAGRAMMATIC. ALL PIPING, VALVES, ETC. SHOWN WITHIN PAVED AREAS IS FOR DESIGN CLARIFICATION ONLY AND SHALL BE INSTALLED IN PLANTING AREAS WHERE POSSIBLE (NOT LAWN AREAS). AVOID ANY CONFLICTS BETWEEN THE SPRINKLER SYSTEM, PLANTING AND ARCHITECTURAL FEATURES.
2. DO NOT WILLFULLY INSTALL THE SPRINKLER SYSTEM AS SHOWN ON THE DRAWINGS WHEN IT IS OBVIOUS IN THE FIELD THAT OBSTRUCTIONS, GRADE DIFFERENCES OR DIFFERENCES IN THE AREA DIMENSIONS EXIST THAT MIGHT NOT HAVE BEEN CONSIDERED IN THE ENGINEERING. SUCH OBSTRUCTIONS OR DIFFERENCES SHOULD BE BROUGHT TO THE ATTENTION OF THE OWNER'S AUTHORIZED REPRESENTATIVE. IN THE EVENT THIS NOTIFICATION IS NOT PERFORMED, THE IRRIGATION CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY REVISION NECESSARY.
3. IT IS THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR TO FAMILIARIZE HIMSELF WITH ALL GRADE DIFFERENCES, LOCATION OF WALLS, RETAINING WALLS, ETC. HE SHALL COORDINATE HIS WORK WITH THE GENERAL CONTRACTOR AND OTHER SUB-CONTRACTORS FOR THE LOCATION AND INSTALLATION OF PIPE SLEEVES THROUGH WALLS, UNDER ROADWAYS, PAVING, STRUCTURES, ETC.
4. GENERAL CONTRACTOR TO SUPPLY 110 VOLT A.C. (2.5 AMP) SERVICE TO CONTROLLER LOCATION. IRRIGATION CONTRACTOR TO MAKE FINAL CONNECTION FROM ELECTRICAL STUB-OUT TO CONTROLLER.
5. SPLICING OF 24 VOLT WIRES WILL NOT BE PERMITTED EXCEPT IN VALVE BOXES. LEAVE A 24" COIL OF EXCESS WIRE AT EACH SPLICE AND 100 FEET ON CENTER ALONG WIRE RUN. TAPE WIRE IN BUNDLES 10 FEET ON CENTER. NO TAPING PERMITTED INSIDE SLEEVES.
6. INSTALL A SPARE CONTROL WIRE OF A DIFFERENT COLOR BETWEEN CONTROLLER AND VALVES. LOOP 36" EXCESS WIRE INTO EACH SINGLE VALVE BOX AND INTO ONE VALVE BOX IN EACH GROUP OF VALVES.
7. THE IRRIGATION CONTRACTOR SHALL FLUSH AND ADJUST ALL SPRINKLER HEADS FOR OPTIMUM PERFORMANCE AND TO PREVENT OVERSPRAY ONTO WALKS, ROADWAYS AND / OR BUILDINGS AS MUCH AS POSSIBLE. THIS SHALL INCLUDE SELECTING THE BEST DEGREE OF ARC TO FIT THE EXISTING SITE CONDITIONS AND TO THROTTLE THE FLOW CONTROL AT EACH VALVE TO OBTAIN THE OPTIMUM OPERATING PRESSURE FOR EACH SYSTEM.
8. NOTIFY ARCHITECT OF ANY ASPECTS OF LAYOUT WHICH WILL PROVIDE INCOMPLETE OR INSUFFICIENT WATER COVERAGE OF PLANT MATERIAL AND DO NOT PROCEED UNTIL INSTRUCTIONS ARE OBTAINED.
9. INSTALL VALVE BOXES 12" FROM AND PERPENDICULAR TO WALK, CURB, LAWN, BUILDING OR LANDSCAPE FEATURE. AT MULTIPLE VALVE BOX GROUPS, EACH BOX SHALL BE AN EQUAL DISTANCE FROM THE WALK, CURB, LAWN, ETC. AND EACH BOX SHALL BE 12" APART. SHORT SIDE OF VALVE BOX SHALL BE PARALLEL TO WALK, CURB, LAWN, ETC.
10. THE SPRINKLER SYSTEM DESIGN IS BASED ON 70 P.S.I. OPERATING PRESSURE. THE IRRIGATION CONTRACTOR SHALL VERIFY WATER PRESSURE PRIOR TO CONSTRUCTION. REPORT ANY DIFFERENCE BETWEEN THE WATER PRESSURE INDICATED ON THE DRAWINGS AND THE ACTUAL PRESSURE READING AT THE IRRIGATION POINT ON CONNECTION TO THE OWNER'S AUTHORIZED REPRESENTATIVE.
11. IRRIGATION CONTRACTOR TO NOTIFY ALL LOCAL JURISDICTIONS FOR INSPECTION AND TESTING OF INSTALLED BACKFLOW PREVENTION DEVICE.



SHRUB AND GROUNDCOVER IRRIGATION REFERENCE PLAN



TREE IRRIGATION REFERENCE PLAN

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WESTPOINT HARBOR MARINA

IRRIGATION PLAN

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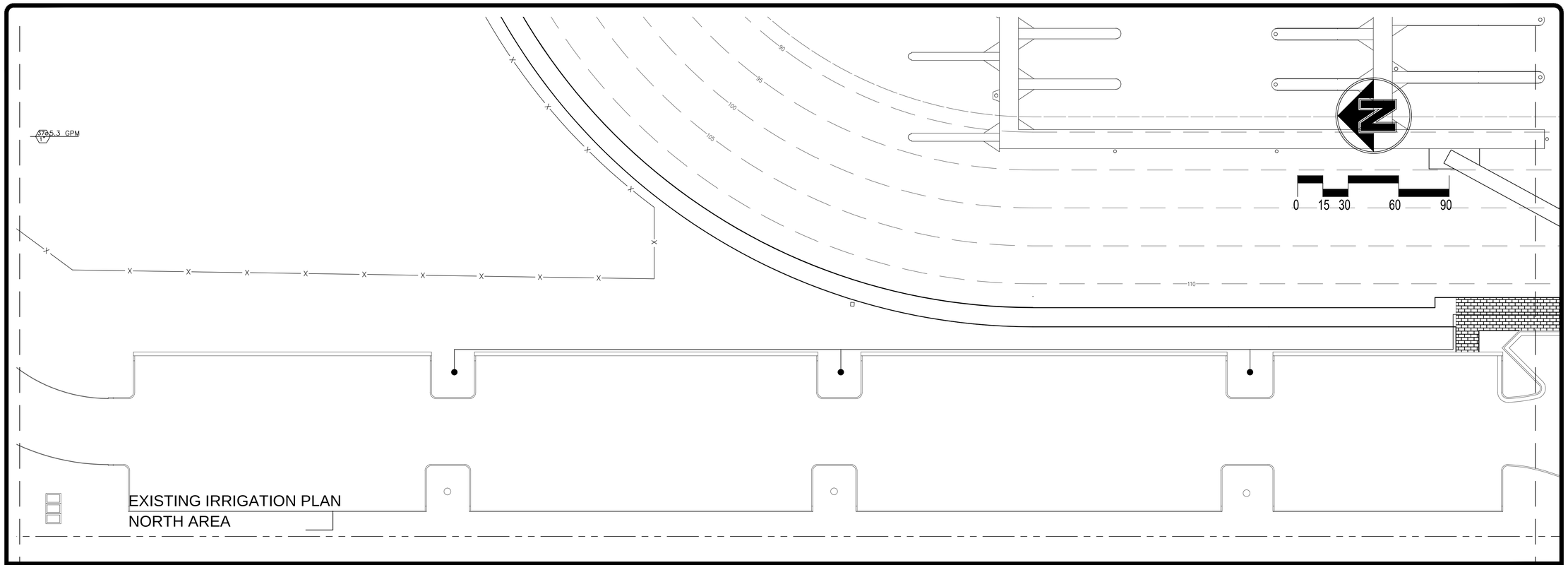
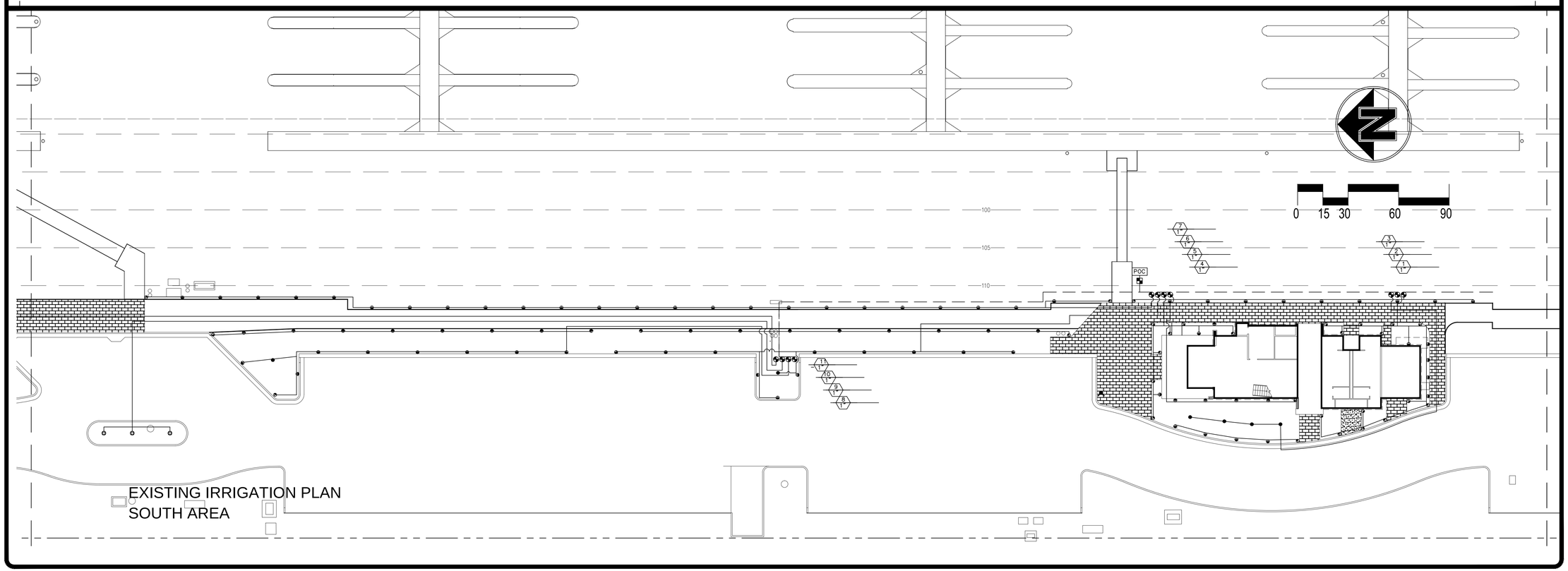


EXISTING IRRIGATION PLAN
NORTH AREA



EXISTING IRRIGATION PLAN
SOUTH AREA

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WESTPOINT HARBOR MARINA

EXISTING IRRIGATION PLAN

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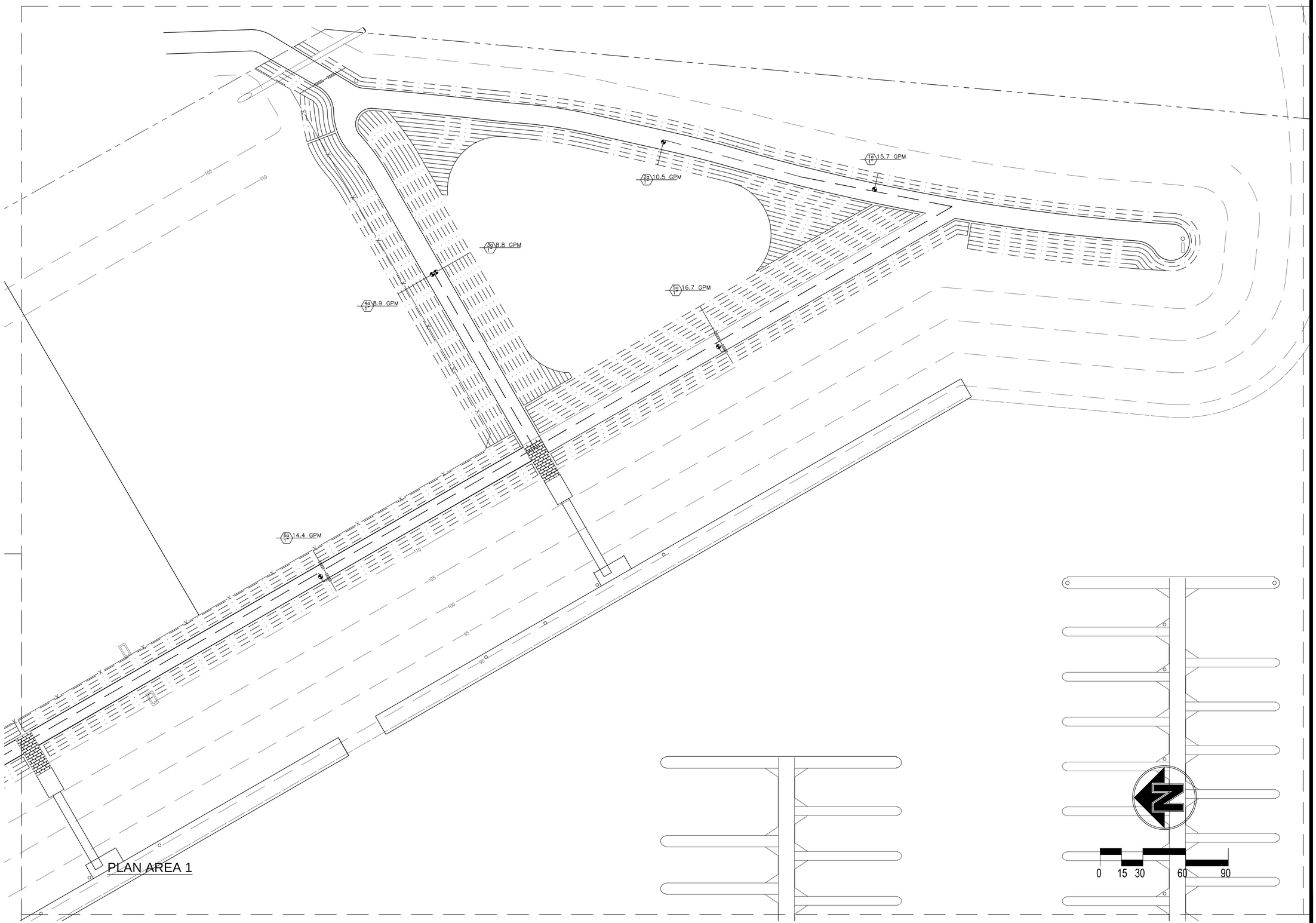

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WESTPOINT HARBOR MARINA

IRRIGATION PLAN CLOSE UP

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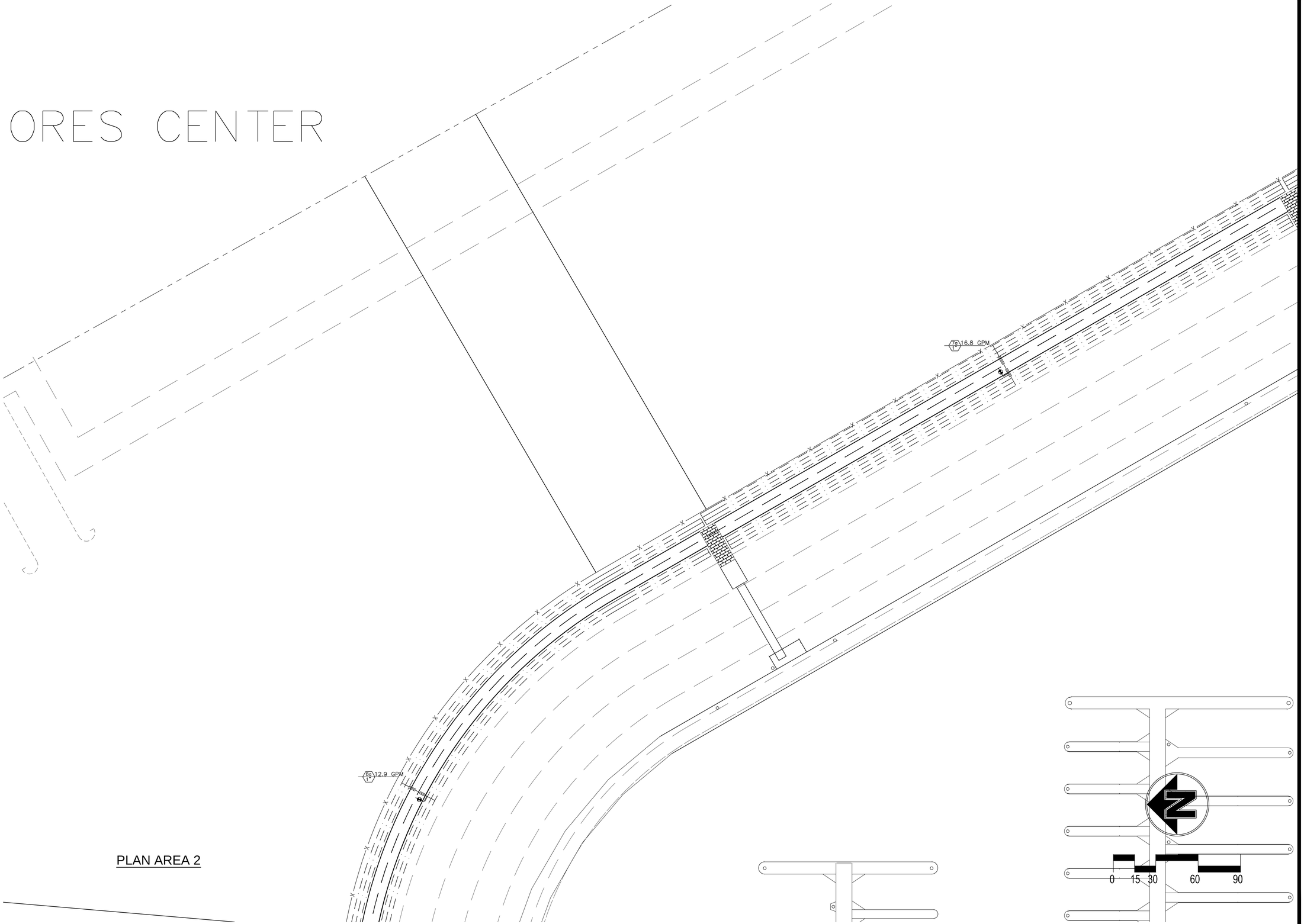

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IRRIGATION PLAN CLOSE UP

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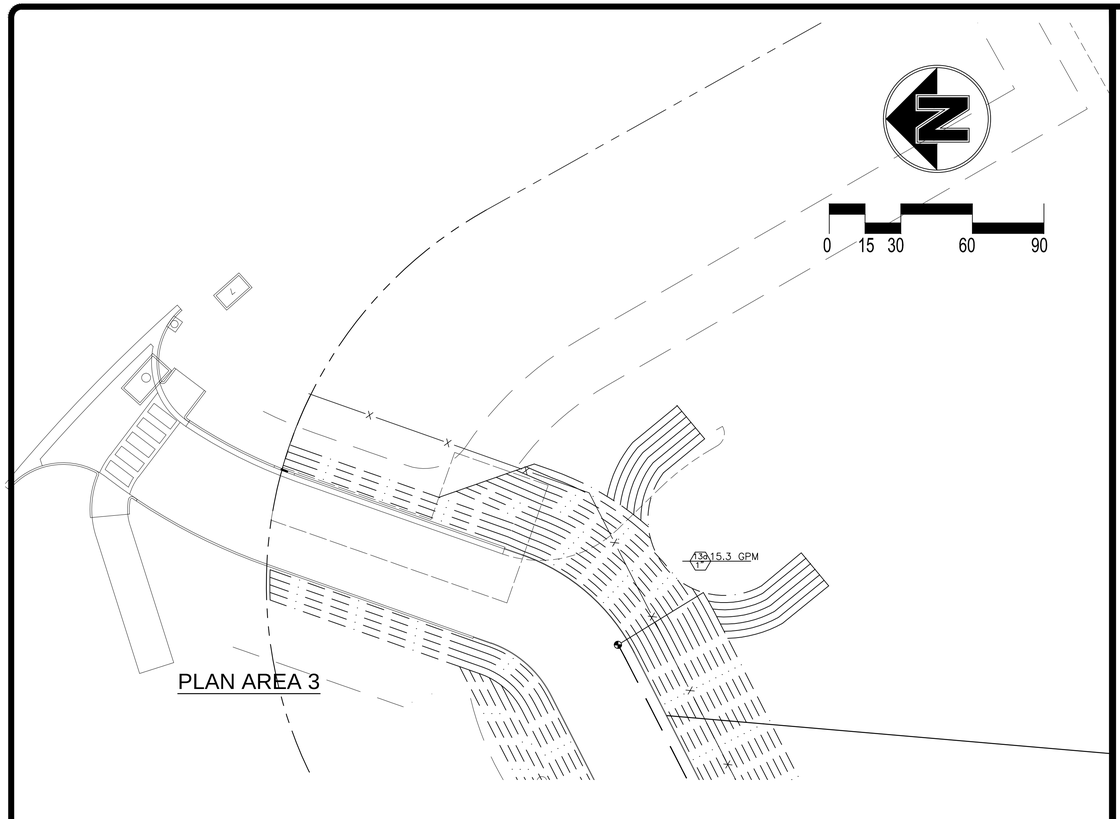
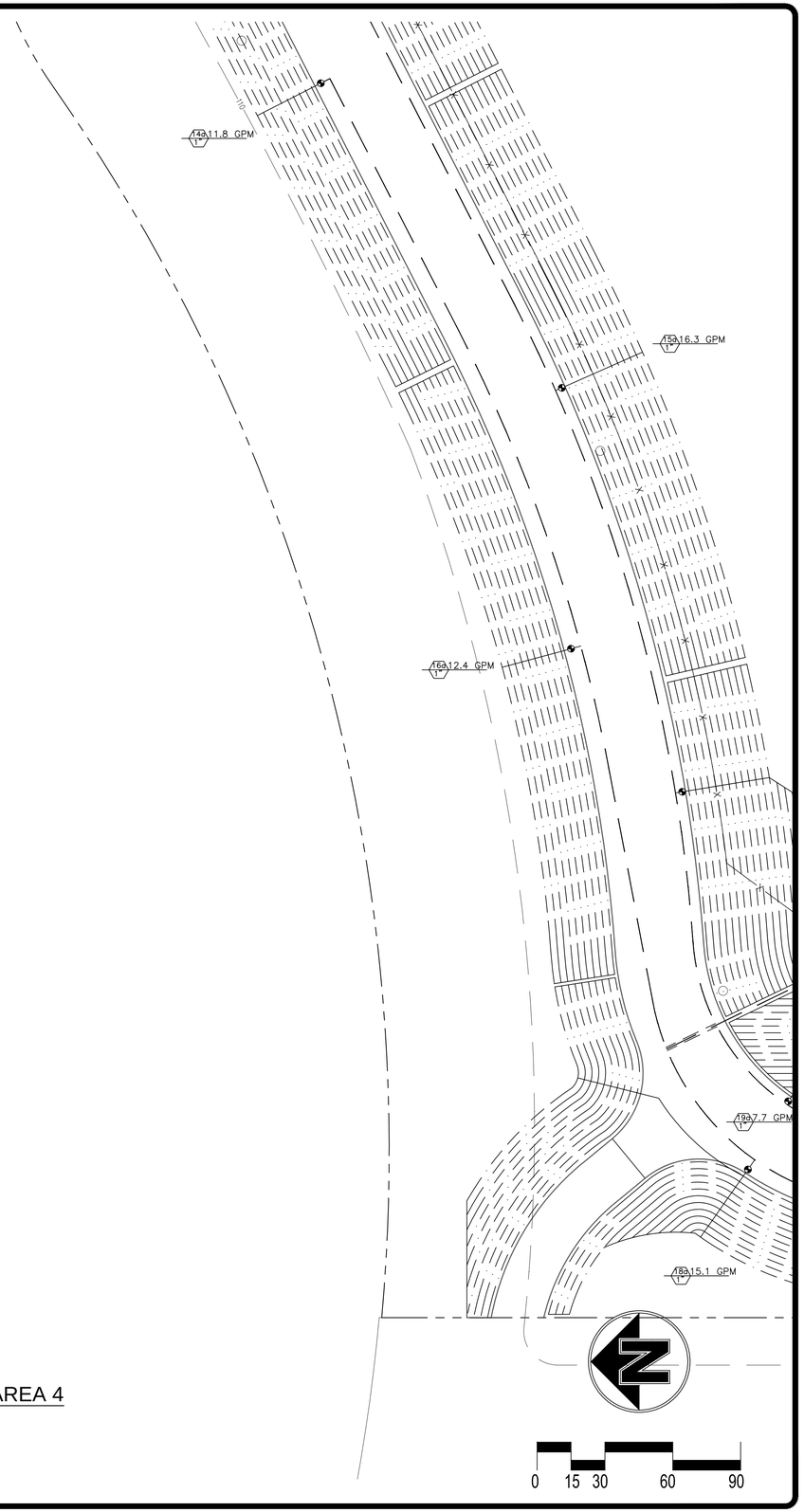


PLAN AREA 3



PLAN AREA 4

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WESTPOINT HARBOR MARINA

IRRIGATION PLAN CLOSE UP

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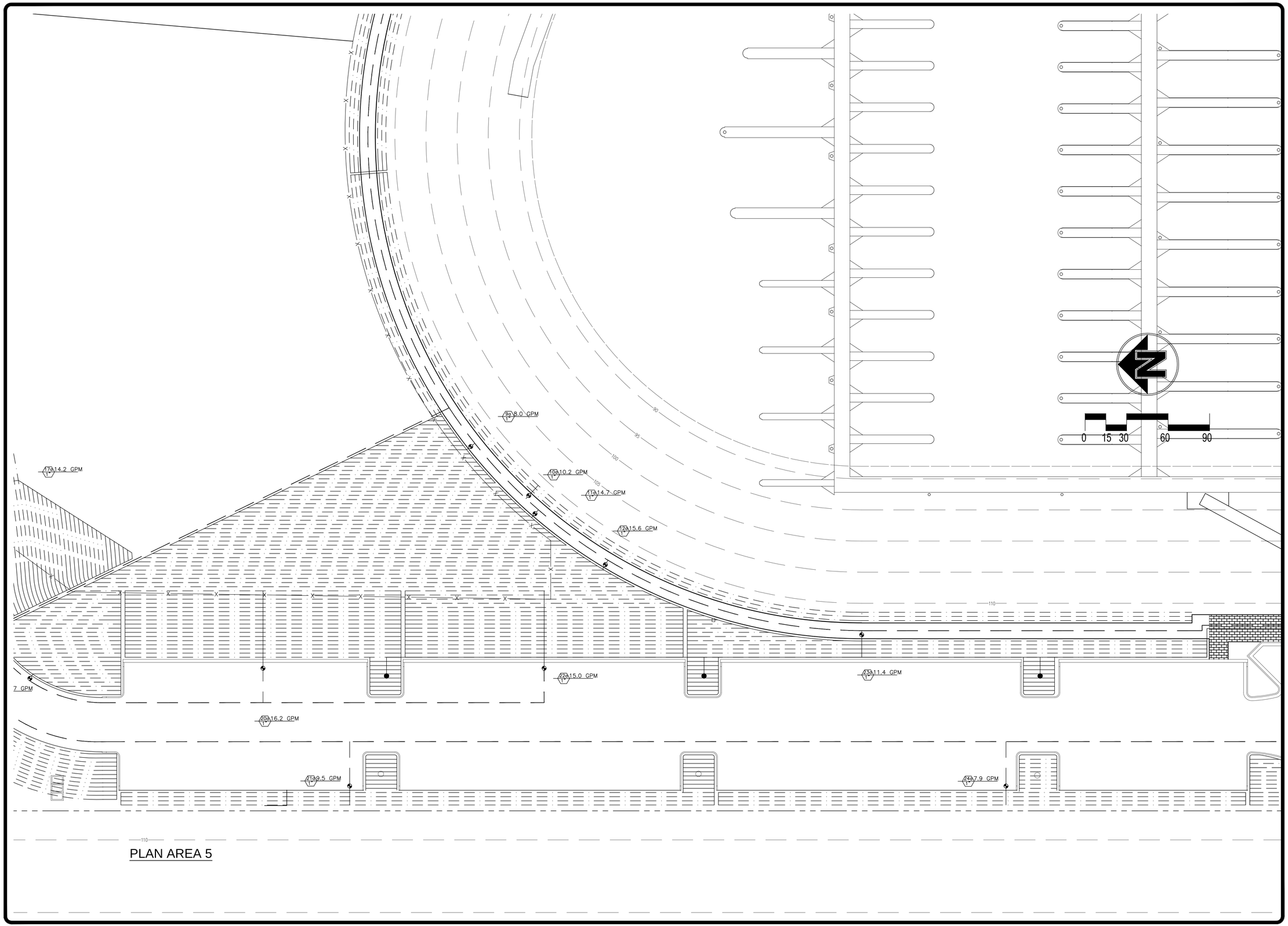

PLAN AREA 5

REVISIONS	BY

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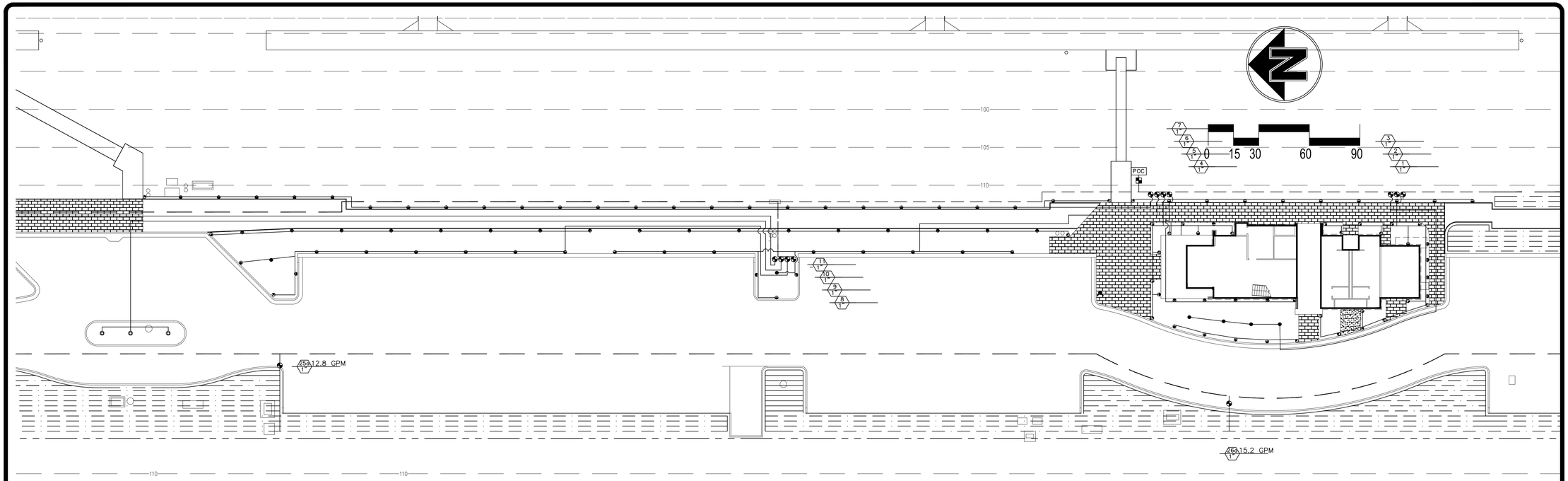
WESTPOINT HARBOR MARINA

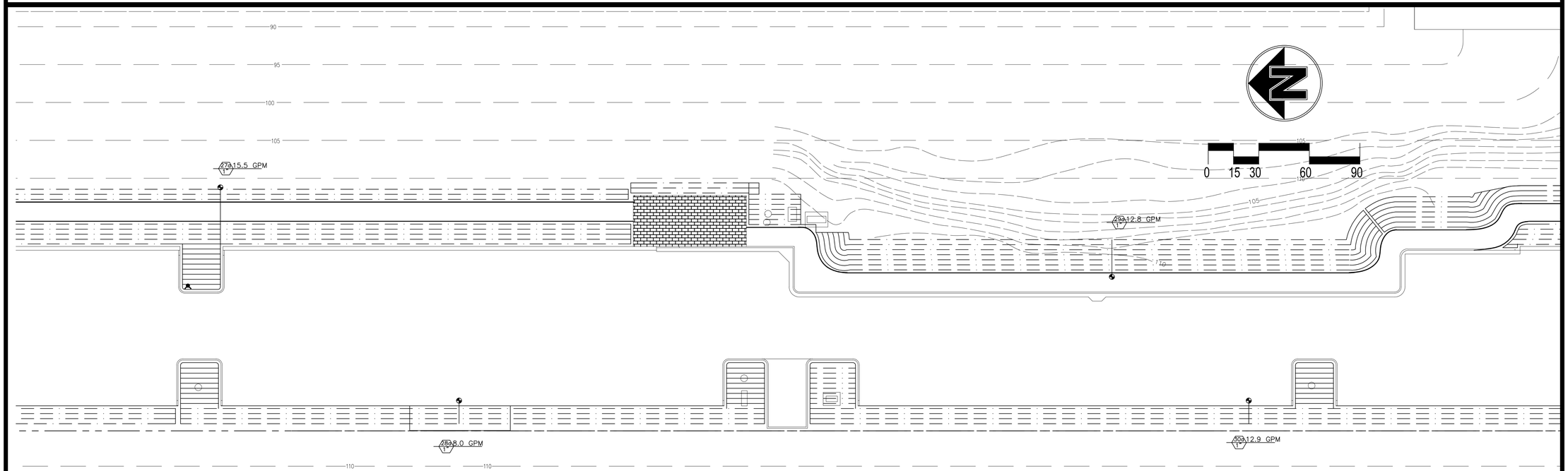
IRRIGATION PLAN CLOSE UP

drawn: GPF
checked:
date: 10–09–2012
scale: 1"=20'
sheet:

sheet
I-2.4
of sheets



PLAN AREA 6



PLAN AREA 7

REVISIONS	BY

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WESTPOINT HARBOR MARINA

IRRIGATION PLAN CLOSE UP

drawn: GPF
checked:
date: 10–09–2012
scale: 1"=20'
sheet:

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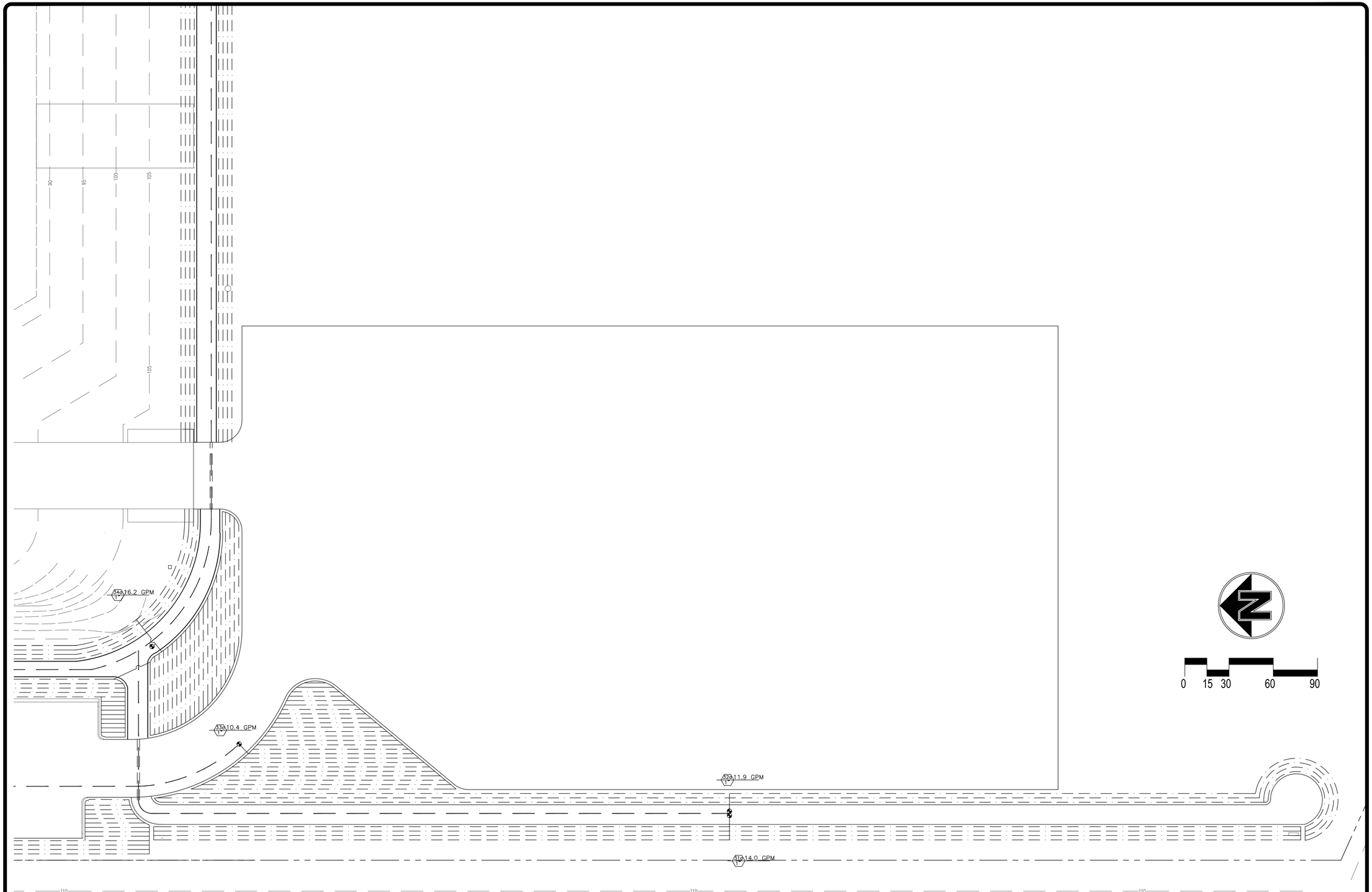
of sheets



PLAN AREA 8

REVISIONS	BY

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WESTPOINT HARBOR MARINA

IRRIGATION PLAN CLOSE UP

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checked:
date: 10–09–2012
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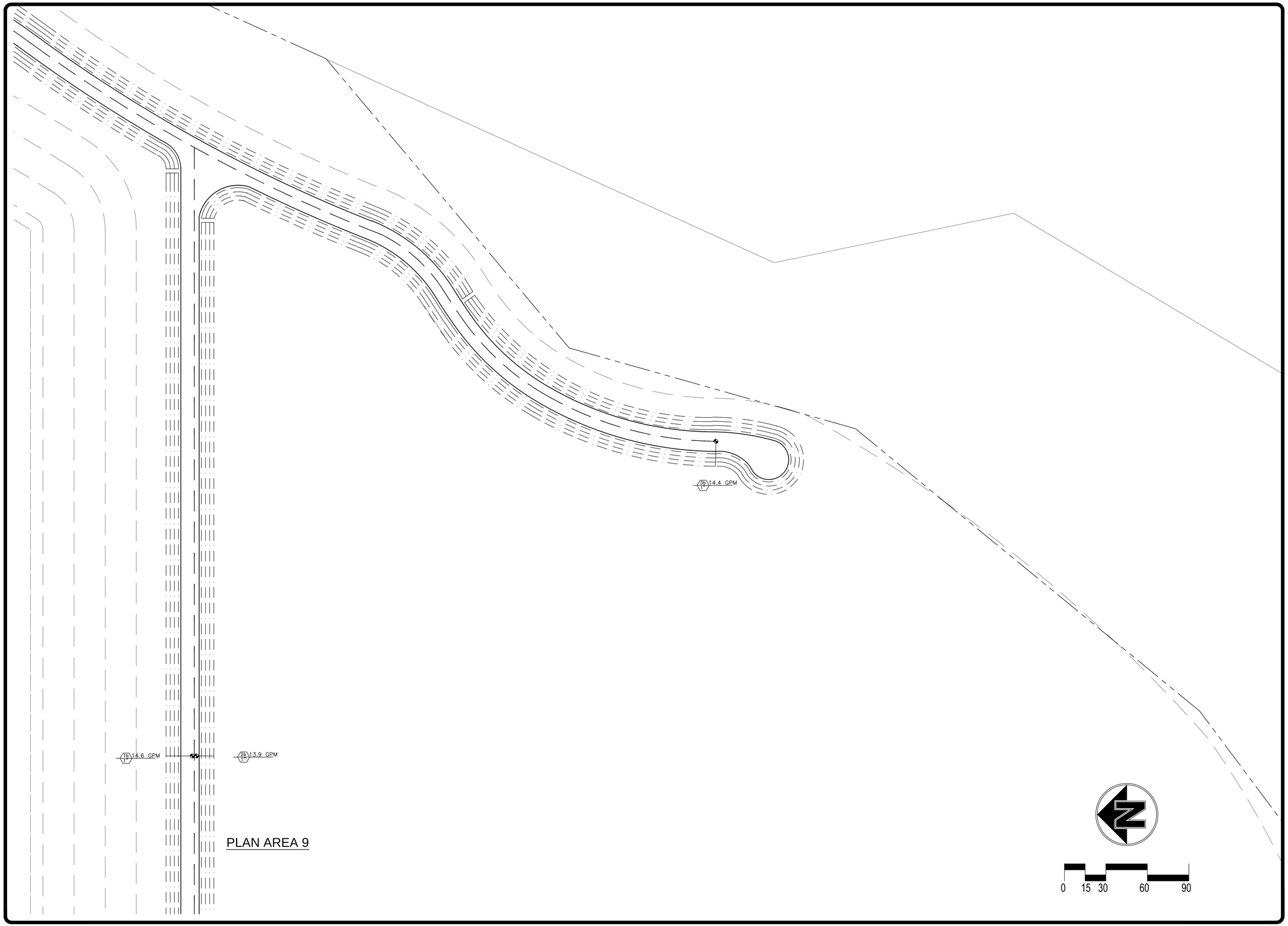
of sheets



PLAN AREA 9

REVISIONS	BY

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WESTPOINT HARBOR MARINA

IRRIGATION PLAN CLOSE UP

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checked:
date: 10–09–2012
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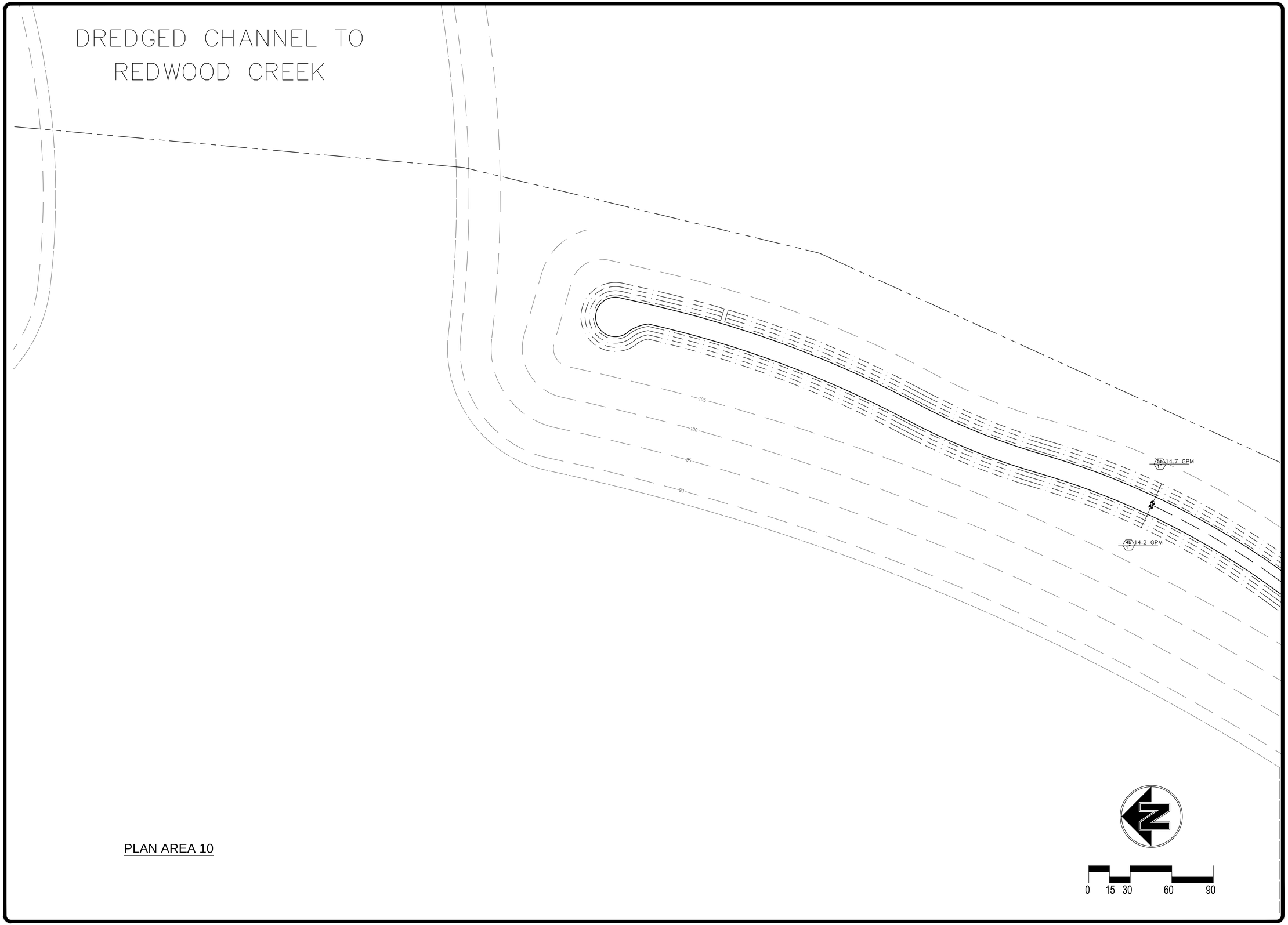
I-2.7
of sheets



PLAN AREA 10

REVISIONS	BY

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WESTPOINT HARBOR MARINA

IRRIGATION PLAN CLOSE UP

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checked:
date: 10–09–2012
scale: 1"=20'
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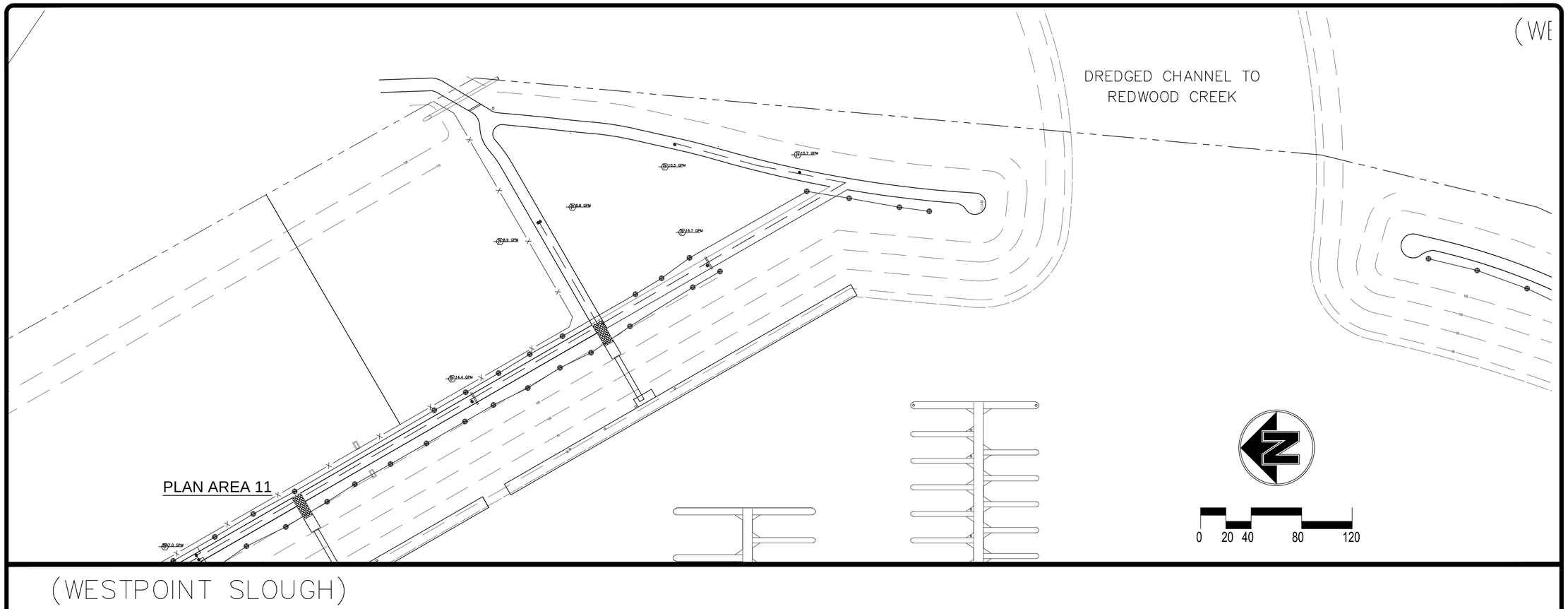
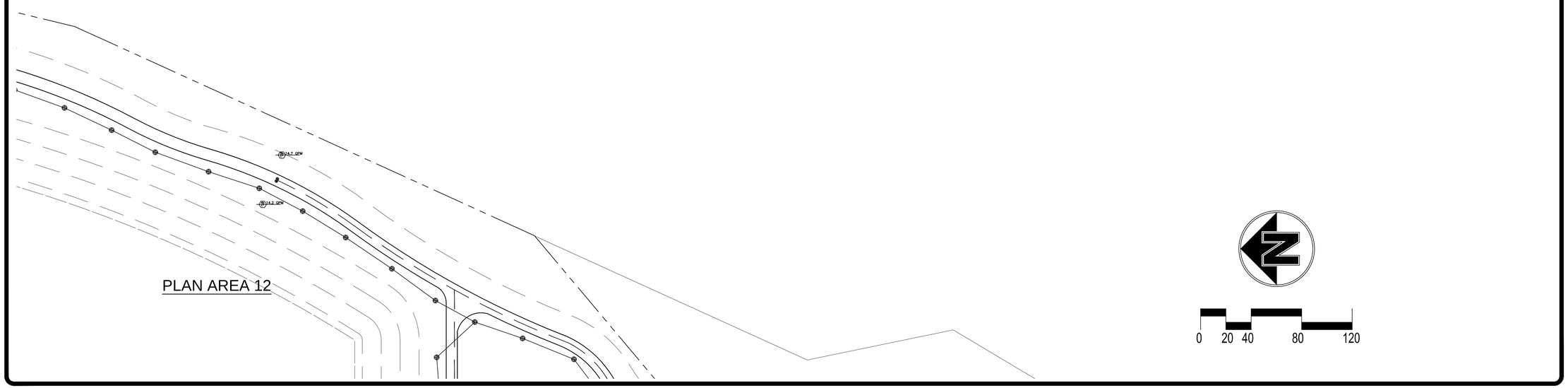
of sheets





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WESTPOINT HARBOR MARINA

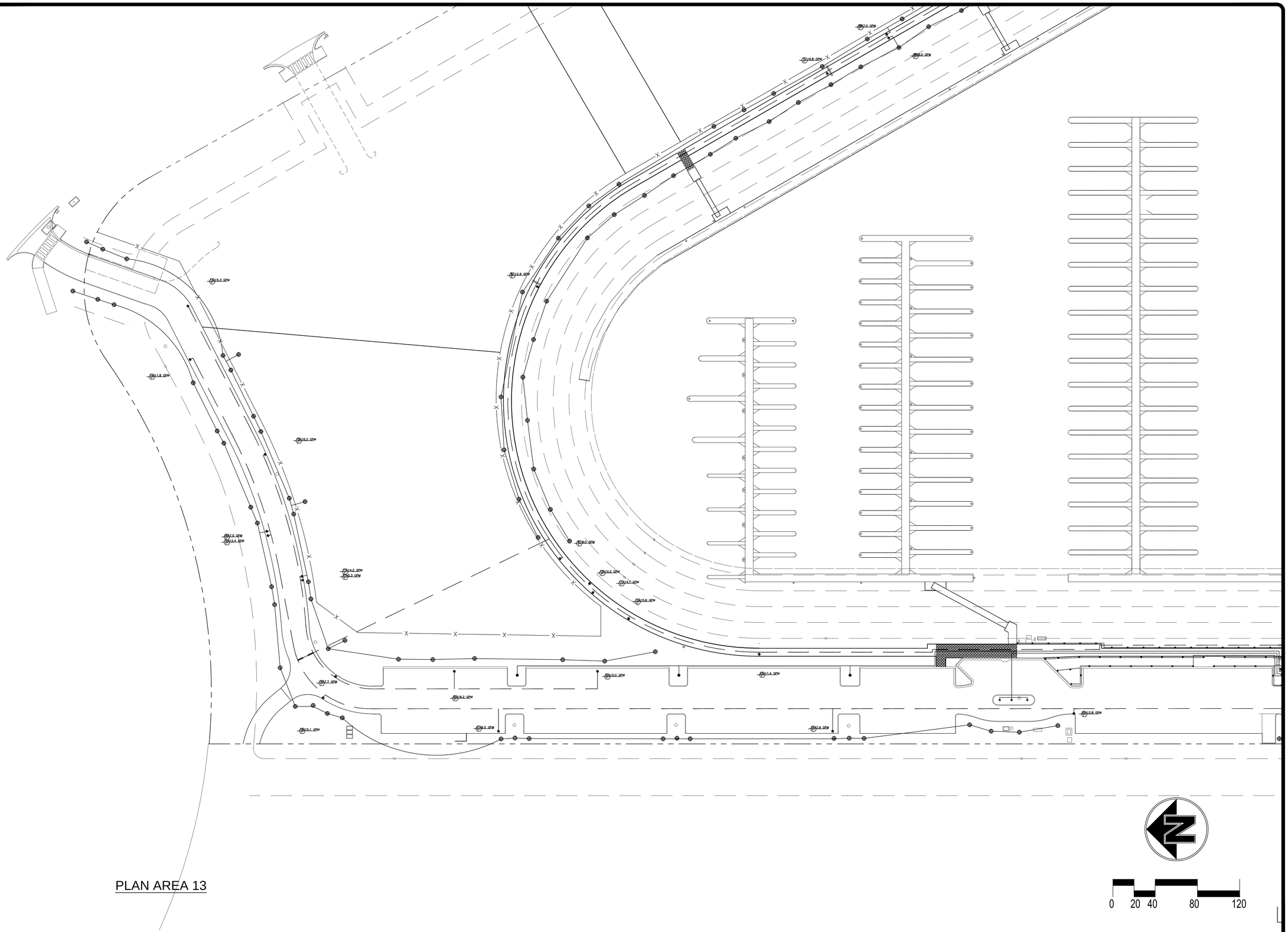
TREE IRRIGATION PLAN

drawn:	GPF
checked:	
date:	10–09–2012
scale:	1"=20'
sheet:	

sheet

I-3.1

of sheets



PLAN AREA 13

REVISIONS	BY

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WESTPOINT HARBOR MARINA

TREE IRRIGATION PLAN

drawn: GPF
checked:
date: 10–09–2012
scale: 1"=20'
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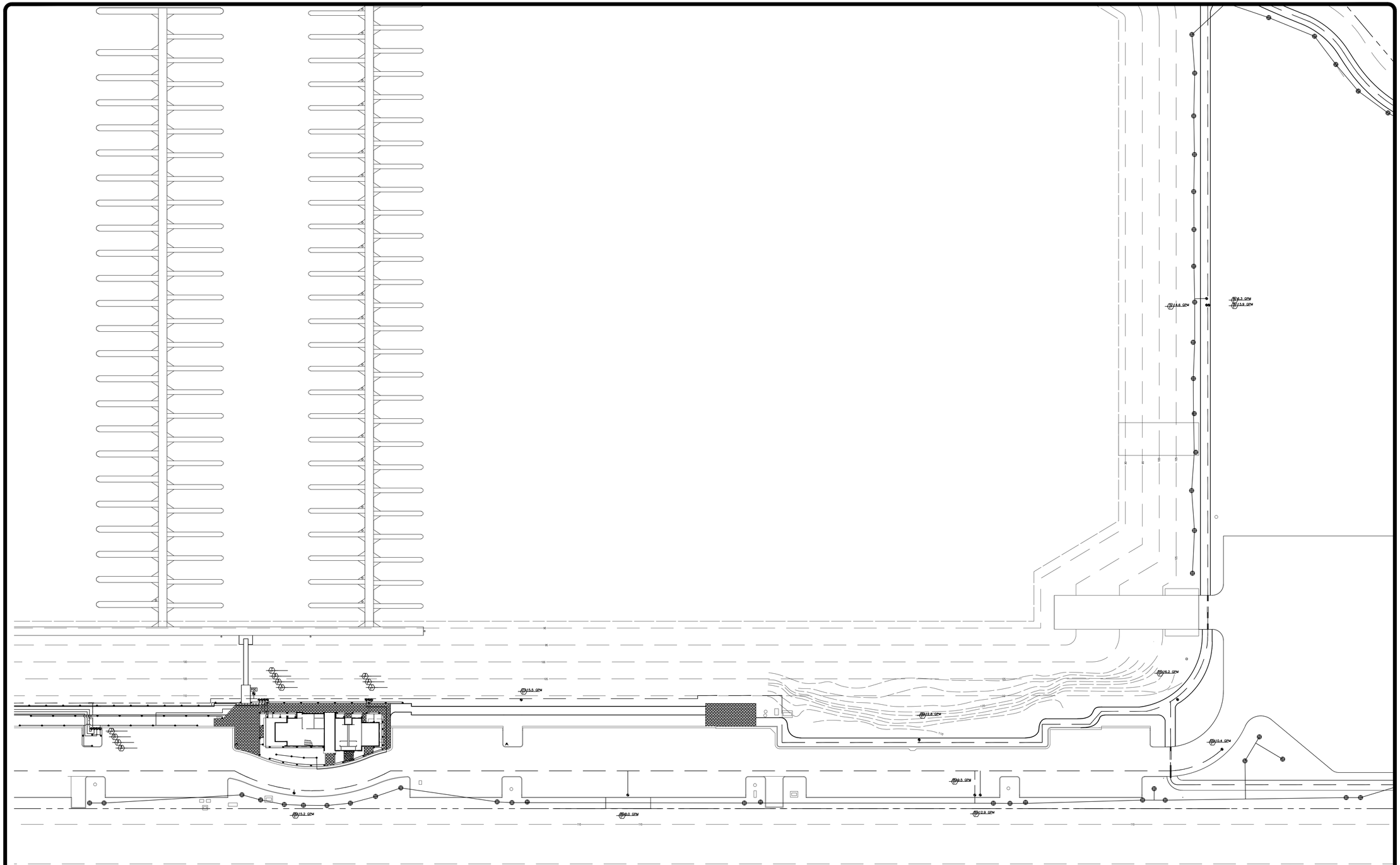
sheet
I-3.2
of sheets



PLAN AREA 14

0 20 40 80 120

LANDS OF CARGILL INCORPORATED

REVISIONS	BY

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WESTPOINT HARBOR MARINA

TREE IRRIGATION PLAN

drawn: GPF
checked:
date: 10–09–2012
scale: 1"=20'
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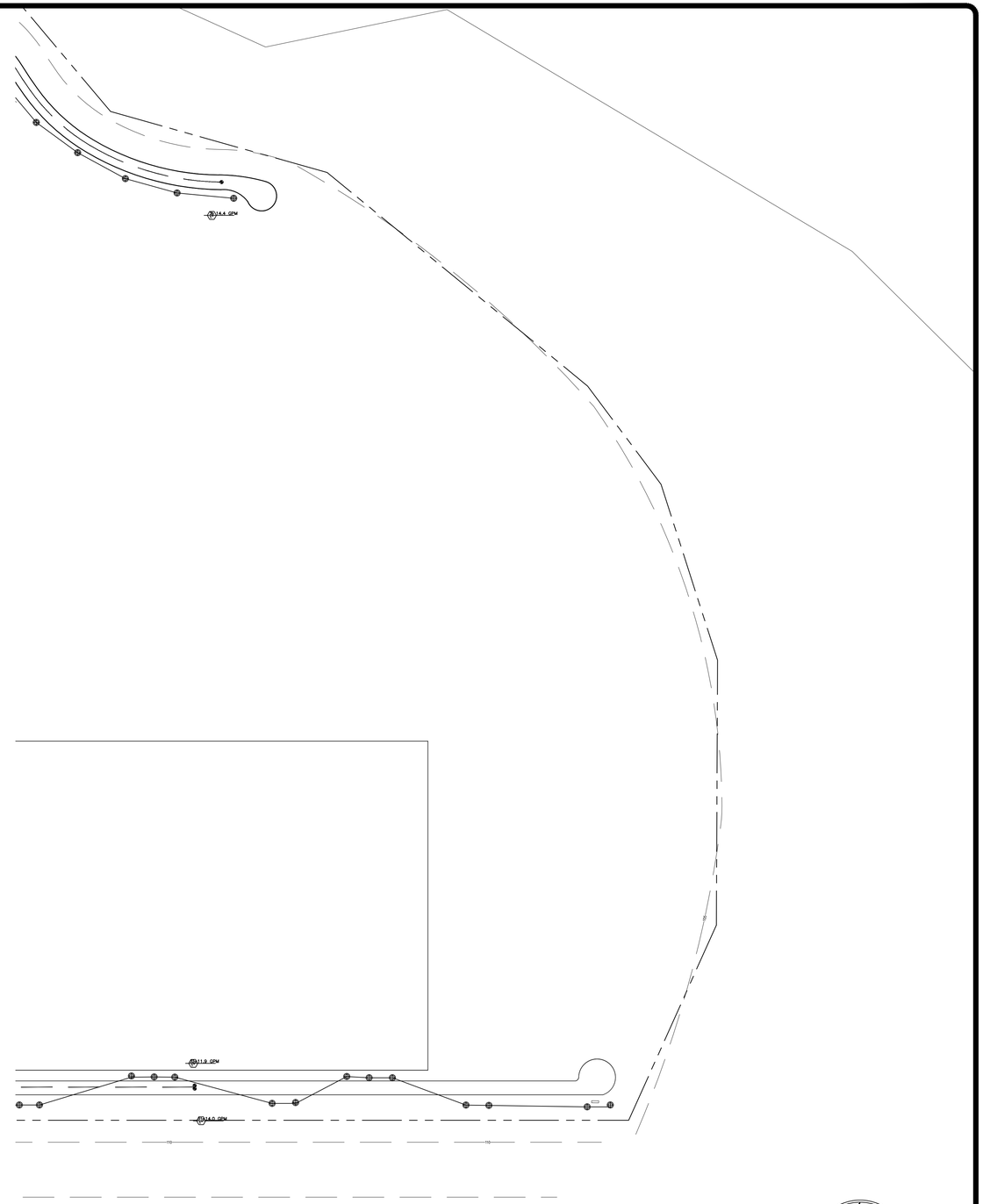
of sheets



PLAN AREA 15

0 20 40 80 120

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WESTPOINT HARBOR MARINA

TREE IRRIGATION PLAN

drawn: GPF
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date: 10–09–2012
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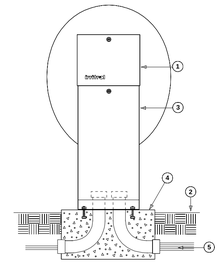
sheet
I-3.4
of sheets

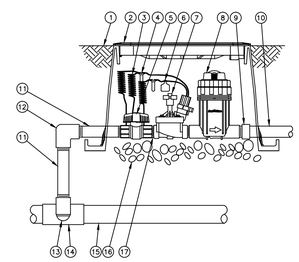


1. Irritrol MC Plus series automatic sprinkler controller (pedestal mount)
2. Finish Grade
3. Irritrol P-2B pedestal for 4-12 station controllers or P-8B pedestal for 18-42 station controllers
4. 24" x 18" x 18" concrete footing for pedestal assembly. Route 120V AC electrical power, common and control wires through conduit as shown
5. Control wires to electric valves

NOTE: All electrical work must conform to local codes. Refer to product literature for additional installation requirements

This drawing is provided for reference only. Actual installation conditions and codes may dictate differences in installation procedures that are not identified here.

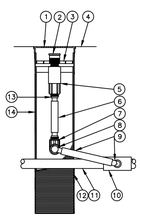
Irritrol MC Plus



1. FINISH GRADE/TOP OF MULCH
2. VALVE BOX WITH COVER: RAIN BIRD VB-STD
3. 30-INCH LINEAR LENGTH OF WIRE, COILED
4. WATERPROOF CONNECTION: RAIN BIRD DB SERIES
5. 1-INCH BALL VALVE (INCLUDED IN XCZ-PRB-100-COM KIT)
6. ID TAG
7. REMOTE CONTROL VALVE: RAIN BIRD PESB (INCLUCED IN XCZ-PRB-100-COM KIT)
8. PRESSURE REGULATING QUICK CHECK BASKET FILTER: RAIN BIRD PRB-QKCHK-100 (INCLUDED IN XCZ-PRB-100-COM KIT)
9. PVC SCH 40 FEMALE ADAPTOR
10. LATERAL PIPE
11. PVC SCH 80 NIPPLE (LENGTH AS REQUIRED)
12. PVC SCH 40 ELL
13. PVC SCH 80 NIPPLE (2-INCH LENGTH, HIDDEN) AND PVC SCH 40 ELL
14. PVC SCH 40 TEE OR ELL
15. MAINLINE PIPE
16. 3-INCH MINIMUM DEPTH OF 3/4-INCH WASHED GRAVEL
17. PVC SCH 80 NIPPLE, CLOSE (INCLUDED IN XCZ-PRB-100-COM KIT)

D XCZ-PRB-100-COM 1" COMMERCIAL CONTROL ZONE KIT IN SQUARE VALVE BOX OPTION 1 — N.T.S. — 1-25-10

XCZ-PRB-100-COM Option 1.dwg

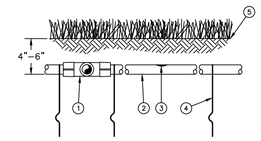


1. 4-INCH LOCKING GRATE (INCLUDED)
2. BUBBLER: RAIN BIRD 1401 0.25 GPM (INCLUDED)
3. ROOT WATERING SYSTEM: RAIN BIRD RWS-M-B-C-1401 (INCLUDES 1401 0.25 GPM BUBBLER WITH RISER, CHECK VALVE, GRATE, 1/2" ELL, 1/2" FEMALE SPIRAL BARB, AND BASKET CANISTER)
4. FINISH GRADE/TOP OF MULCH
5. CHECK VALVE (INCLUDED)
6. 1/2-INCH POLY SWING PIPE (INCLUDED)
7. 1/2-INCH SPIRAL BARB ELBOW (INCLUDED)
8. 1/2-INCH SPIRAL BARB FITTING (INCLUDED)
9. 1/2-INCH SWING ASSEMBLY: RAIN BIRD SA-125050 OR 1/2-INCH SWING PIPE: RAIN BIRD SP SERIES WITH 1/2-INCH MALE NPT x .490-INCH BARB ELBOW: RAIN BIRD SBE-050
10. PVC SCH 40 TEE OR EL
11. PVC OR POLYETHYLENE LATERAL PIPE
12. 4" WIDE X 18" LONG RIGID BASKET WEAVE CANISTER (INCLUDED)
13. 1/2-INCH STRAIGHT SPIRAL BARB FITTING (1 OF 2, INCLUDED)
14. OPTIONAL RWS SAND SOCK (RWS-SOCK) FOR SANDY SOILS

NOTES:
1. 4" GRATE IS ALSO AVAILABLE IN PURPLE (RWS-GRATE-P).
2. INSTALL PRODUCT SO THAT THE GRATE IS EVEN WITH FINISH GRADE OR TOP OF MULCH.
3. SAND SOCK (RWS-SOCK) IS 34" IN LENGTH. CUT TO LENGTH NEEDED TO COVER MESH BASKET AREA.
4. WHEN INSTALLING IN EXTREMELY HARD OR CLAY SOILS, ADD ¾" GRAVEL UNDER AND AROUND THE UNIT TO ALLOW FASTER WATER INFILTRATION AND ROOT PENETRATION.
5. ONCE RWS-M HAS BEEN INSTALLED FILL THE BASKET WITH PEA GRAVEL BEFORE LOCKING LID.

D ROOT WATERING SYSTEM RWS-M SERIES RWS-M-B-C-1401 — N.T.S. — 3-2-10

A-RWS-M-SERIES.DWG

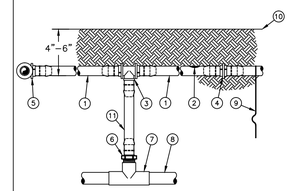


1. EASY FIT COMPRESSION TEE: RAIN BIRD MDCFTEE
2. SUB-SURFACE DRIPLINE: RAIN BIRD XF SERIES DRIPLINE POTABLE: XFS DRIPLINE NON-POTABLE: XFSP DRIPLINE
3. INLINE DRIP EMITTER
4. TIE DOWN STAKE: RAIN BIRD TDS-050 WITH BEND (TYPICAL)
5. TURF/FINISH GRADE OR SHRUB BED WITH MULCH

NOTES:
1. PLACE TIE DOWN STAKES EVERY THREE FEET IN SAND, FOUR FEET IN LOAM, AND FIVE FEET IN CLAY.
2. AT FITTINGS WHERE THERE IS A CHANGE OF DIRECTION SUCH AS TEES OR ELBOWS, USE TIE-DOWN STAKES ON EACH LEG OF THE CHANGE OF DIRECTION.
3. INSERTION PLOW AND TRENCHED INSTALLATIONS DO NOT REQUIRE TIE DOWN STAKES.

D XFS SUB-SURFACE DRIPLINE BURIAL — N.T.S. — 10-27-10

XFS Dripline Burial.dwg

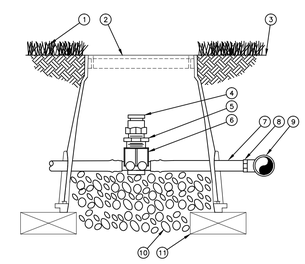


1. ON-SURFACE DRIPLINE: RAIN BIRD XF SERIES DRIPLINE POTABLE: XFS DRIPLINE NON-POTABLE: XFSP DRIPLINE
2. INLINE DRIP EMITTER OUTLET, SEE PLANS FOR DRIPLINE OUTLET SPACING.
3. BARB TEE 17x17x17mm RAIN BIRD XFT-TEE
4. BARB COUPLING 17x17mm RAIN BIRD XFT-COUP
5. BARB ELBOW 17x17mm RAIN BIRD XFT-ELBOW
6. BARB MALE ADAPTER 17mm X 1/2" MPT RAIN BIRD XFT-MA-050 17mm X 3/4" MPT RAIN BIRD XFT-MA-075
7. PVC TEE SxSxT
8. PVC LATERAL SUPPLY HEADER
9. TIE DOWN STAKE: RAIN BIRD TDS-050 WITH BEND (TYPICAL)
10. FINISH GRADE
11. RAIN BIRD XF SERIES BLANK TUBING LENGTH AS REQUIRED

NOTES:
1. PLACE TIE DOWN STAKES EVERY THREE FEET IN SAND, FOUR FEET IN LOAM, AND FIVE FEET IN CLAY.
2. AT FITTINGS WHERE THERE IS A CHANGE OF DIRECTION SUCH AS TEES OR ELBOWS, USE TIE-DOWN STAKES ON EACH LEG OF THE CHANGE OF DIRECTION.
3. SAVE YOUR HANDS. USE THE RAIN BIRD FITTINS-TOOL XF INSERTION TOOL FOR FITTING ASSEMBLY.

D XFS SUB-SURFACE DRIPLINE RISER ASSEMBLY — N.T.S. — 02-21-2012

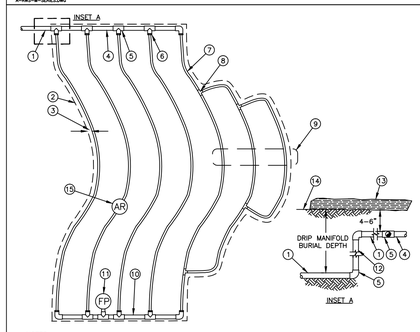
XFS Sub-Surface Dripline Riser Assembly.dwg



1. TURF GRASS
2. SUBTERRANEAN EMITTER BOX: RAIN BIRD SEB 7XB
3. FINISH GRADE
4. ½" AIR RELIEF VALVE: RAIN BIRD ARV-12 TO BE INSTALLED AT HIGH POINTS IN DRIP ZONE
5. ½" X ¾" PVC REDUCER BUSHING
6. BARB X FEMALE THREAD CONNECTOR: RAIN BIRD XFD-TFA FITTING
7. ½" BLANK DRIPLINE TUBING: RAIN BIRD XF SERIES
8. BARB X MALE THREAD CONNECTOR: RAIN BIRD XFD-MA FITTING
9. PVC TEE CONNECTED TO PVC HEADER PIPE
10. 3" MINIMUM DEPTH OF ¾" WASHED GRAVEL
11. BRICK (1 OF 2)

D XFS SUB-SURFACE DRIPLINE AIR RELIEF VALVE IN XFS DRIPLINE — N.T.S. — 3-28-11

XFS Air Relief Valve in XFS Dripline.dwg



1. PVC SUPPLY PIPE FROM RAIN BIRD CONTROL ZONE KIT (SIZED TO MEET LATERAL FLOW DEMAND)
2. PERIMETER OF AREA
3. PERIMETER DRIPLINE PIPE TO BE INSTALLED 2"-4" FROM PERIMETER OF AREA
4. PVC SUPPLY MANIFOLD
5. PVC SCH 40 TEE OR EL (TYPICAL)
6. BARB X MALE FITTING: RAIN BIRD XFD-MA FITTING (TYPICAL)
7. SUB-SURFACE DRIPLINE: RAIN BIRD XF SERIES DRIPLINE (TYPICAL) POTABLE: XFS DRIPLINE NON-POTABLE: XFSP DRIPLINE
8. BARB X BARB INSERT TEE: RAIN BIRD XFD-TEE (TYPICAL)
9. TOTAL LENGTH OF SELECTED DRIPLINE SHOULD NOT EXCEED LENGTH SHOWN IN TABLE
10. PVC FLUSH HEADER
11. FLUSH POINT: SEE RAIN BIRD XFS DETAILS FOR FLUSH POINT INSTALLATION
12. PVC RISER PIPE
13. TURF OR MULCH
14. FINISH GRADE
15. AIR RELIEF VALVE: RAIN BIRD ARV-12 SEE RAIN BIRD XFS DETAILS FOR ARV-12 INSTALLATION

NOTES:
1. DISTANCE BETWEEN LATERAL ROWS AND EMITTER SPACING TO BE BASED ON SOIL TYPE, PLANT MATERIALS AND CHANGES IN ELEVATION. SEE INSTALLATION SPECIFICATIONS ON RAIN BIRD WEB SITE (WWW.RAINBIRD.COM) FOR SUGGESTED SPACING.
2. LENGTH OF LONGEST DRIPLINE LATERAL SHOULD NOT EXCEED THE MAXIMUM SPACING SHOWN IN THE ACCOMPANYING TABLE.
3. INSTALL AIR RELIEF VALVE AT HIGH POINTS IN DRIP LATERAL.

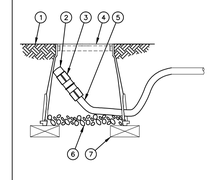
XFS Dripline Maximum Lateral Lengths (Feet)

	12" Spacing		18" Spacing		24" Spacing	
PSI	0.6 GPH	0.9 GPH	0.6 GPH	0.9 GPH	0.6 GPH	0.9 GPH
15	273	155	314	250	424	322
20	318	169	353	294	508	368
30	360	230	413	350	586	414
40	395	255	465	402	652	474
50	417	285	528	420	720	488
60	460	290	596	455	780	512

WHEN USING 17MM INSERT FITTINGS WITH DESIGN PRESSURE OVER 50PSI, IT IS RECOMMENDED THAT STAINLESS STEEL CLAMPS BE INSTALLED ON EACH FITTING.

D XFS SUB-SURFACE DRIPLINE TYPICAL ODD CURVES LAYOUT — N.T.S. — 4-21-11

XFS Dripline Odd Curves Layout.dwg



1. FINISH GRADE
2. FLUSH CAP FOR EASY FIT COMPRESSION FITTINGS: POTABLE: RAIN BIRD MDCFCAP NON-POTABLE: RAIN BIRD MDCFPCAP
3. EASY FIT COUPLING: RAIN BIRD MDCFCOUP
4. SUBTERRANEAN EMITTER BOX: RAIN BIRD SEB 7XB
5. SUB-SURFACE DRIPLINE: RAIN BIRD XF SERIES DRIPLINE POTABLE: XFS DRIPLINE NON-POTABLE: XFSP DRIPLINE
6. 3-INCH MINIMUM DEPTH OF 3/4-INCH WASHED GRAVEL
7. BRICK (1 OF 2)

NOTE:
1. ALLOW A MINIMUM OF 6-INCHES OF DRIPLINE TUBING IN VALVE BOX IN ORDER TO DIRECT FLUSHED WATER OUTSIDE VALVE BOX.

D XFS SUB-SURFACE DRIPLINE FLUSH POINT WITH EASY FIT COMPRESSION FITTINGS — N.T.S. — 10-27-10

XFS Dripline Flush Point with Compression Fittings.dwg

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WESTPOINT HARBOR MARINA

IRRIGATION DETAILS

drawn:

checked:

date: 10-09-2012

scale: 1"=120'0"

sheet:

sheet I-4.0 of sheets