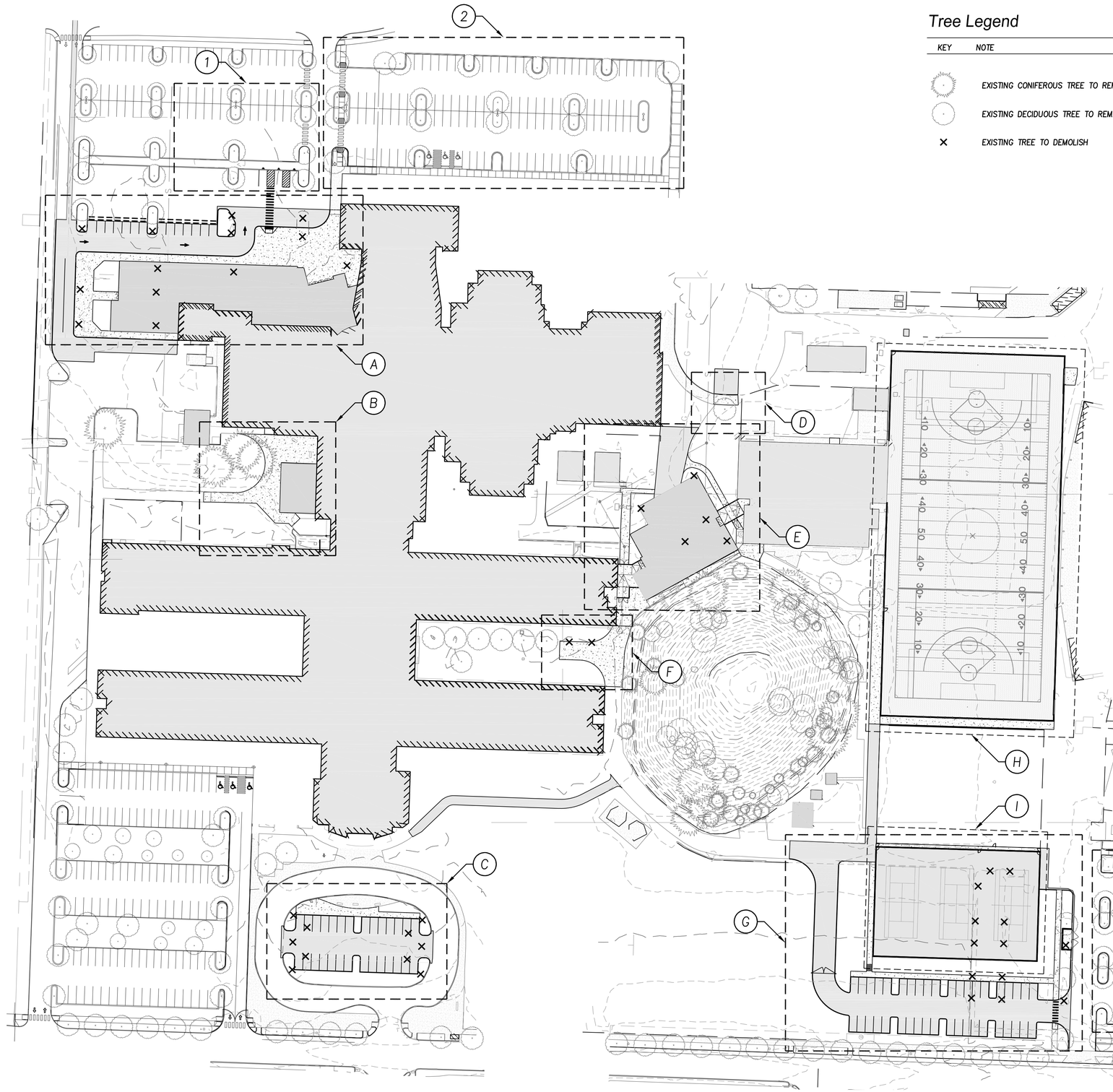

Tree Legend

KEY	NOTE
	EXISTING CONIFEROUS TREE TO REMAIN
	EXISTING DECIDUOUS TREE TO REMAIN
×	EXISTING TREE TO DEMOLISH

Key Plan Reference Notes

KEY	NOTE	REFERANCE
A	AREA A	
	– TOPSOIL PLAN	SHEET L4.0
	– IRRIGATION PLAN	SHEET L5.0
	– LANDSCAPE PLAN	SHEET L6.0
B	AREA B	
	– TOPSOIL PLAN	SHEET L4.0
	– IRRIGATION PLAN	SHEET L5.0
	– LANDSCAPE PLAN	SHEET L6.0
C	AREA C	
	– TOPSOIL PLAN	SHEET L4.0
	– IRRIGATION PLAN	SHEET L5.0
	– LANDSCAPE PLAN	SHEET L6.0
D	AREA D	
	– TOPSOIL PLAN	SHEET L4.0
	– IRRIGATION PLAN	SHEET L5.0
	– LANDSCAPE PLAN	SHEET L6.0
E	AREA E	
	– TOPSOIL PLAN	SHEET L4.0
	– IRRIGATION PLAN	SHEET L5.0
	– LANDSCAPE PLAN	SHEET L6.0
F	AREA F	
	– TOPSOIL PLAN	SHEET L4.0
	– IRRIGATION PLAN	SHEET L5.0
	– LANDSCAPE PLAN	SHEET L6.0
G	AREA G	
	– TOPSOIL PLAN	SHEET L4.0
	– IRRIGATION PLAN	SHEET L5.0
	– LANDSCAPE PLAN	SHEET L6.0
H	SYNTHETIC TURF FIELD	
	– SYNTHETIC FIELD SITE PLAN	SHEET L2.0
	– SYNTHETIC FIELD GRADING PLAN	SHEET L2.1
	– SYNTHETIC FIELD SUBSURFACE DRAINAGE	SHEET L2.2
I	TENNIS COURT	
	– TENNIS COURT SITE & GRADING PLAN	SHEET L3.0
1	AREA 1	
	– LANDSCAPE PLAN	SHEET L6.2
2	AREA 2	
	– LANDSCAPE PLAN	SHEET L6.2
3	AREA 3	
	– LANDSCAPE PLAN	SHEET L6.2

SCALE: 1"=60'

0 30' 60' 90' 120'

Olympia High School Addition / Modification

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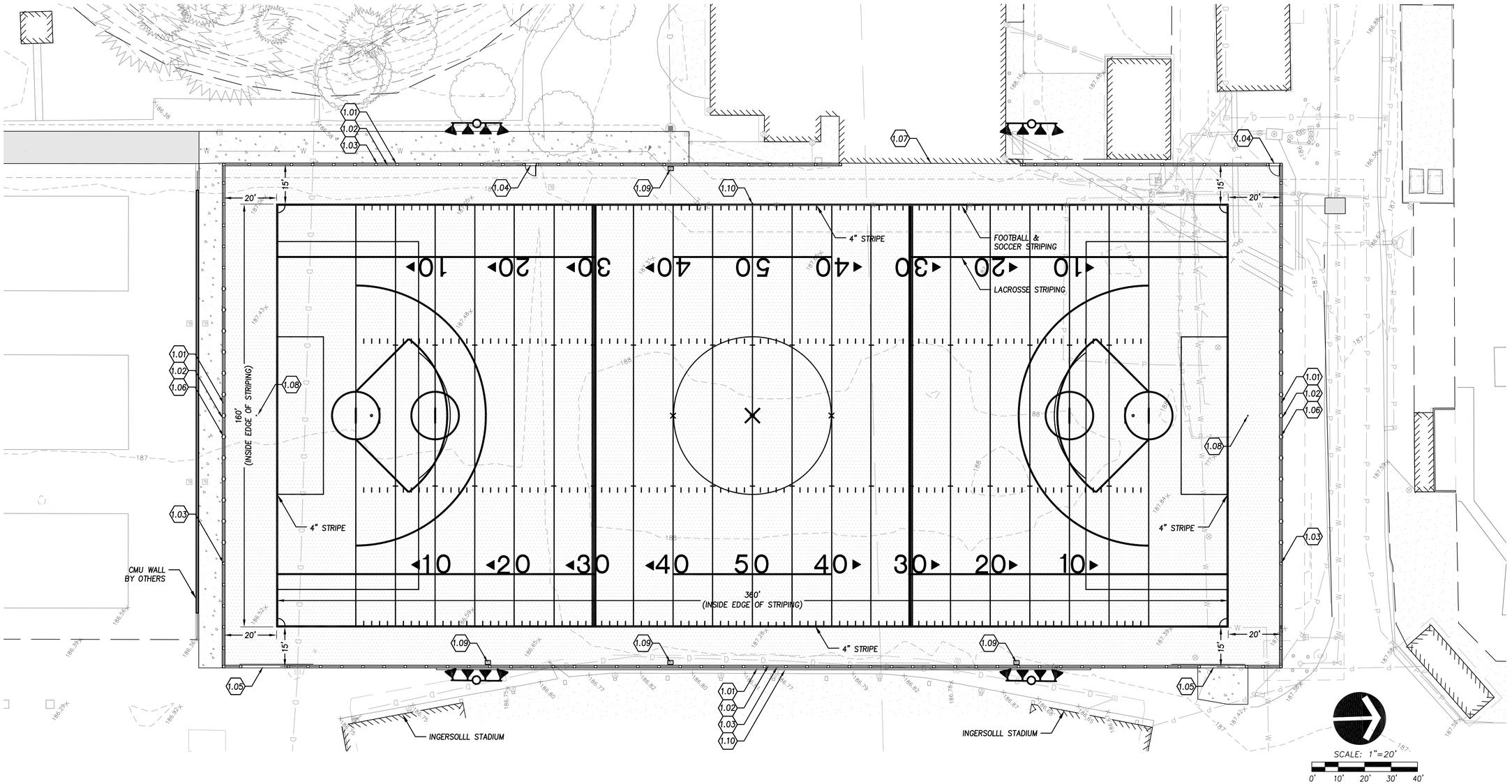
Site Key Plan

L1.0

Sheet - of -



Materials Legend

symbol / key	Treatment
	LED SPORTS FIELD ILLUMINATION @ 30 FOOT-CANDLES / SEE ELECTRICAL SHEETS
	SYNTHETIC FIELD TURF / SHEET L2.3

Site Material Reference Notes

	SITE DETAILS	DETAIL/SHEET
1.01	CONCRETE CURB	2/L2.3
1.02	PERIMETER NAILER AT CONCRETE CURB	3/L2.3
1.03	8' CHAIN LINK FENCE	1/L2.5
1.04	4' WIDE FENCE GATE	-/L2.5
1.05	17' WIDE SLIDING FENCE GATE	2/L2.5
1.06	ERRANT BALL SCREEN	1/L2.6
1.07	WALL PADDING	-/L2.3
1.08	FOOTBALL GOAL POST	5,6,&7/L2.3
1.09	CATCH BASIN @ SYNTHETIC TURF	1/L2.4
1.10	TRENCH DRAIN	-/L2.4

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Synthetic Field Site Plan

L2.0

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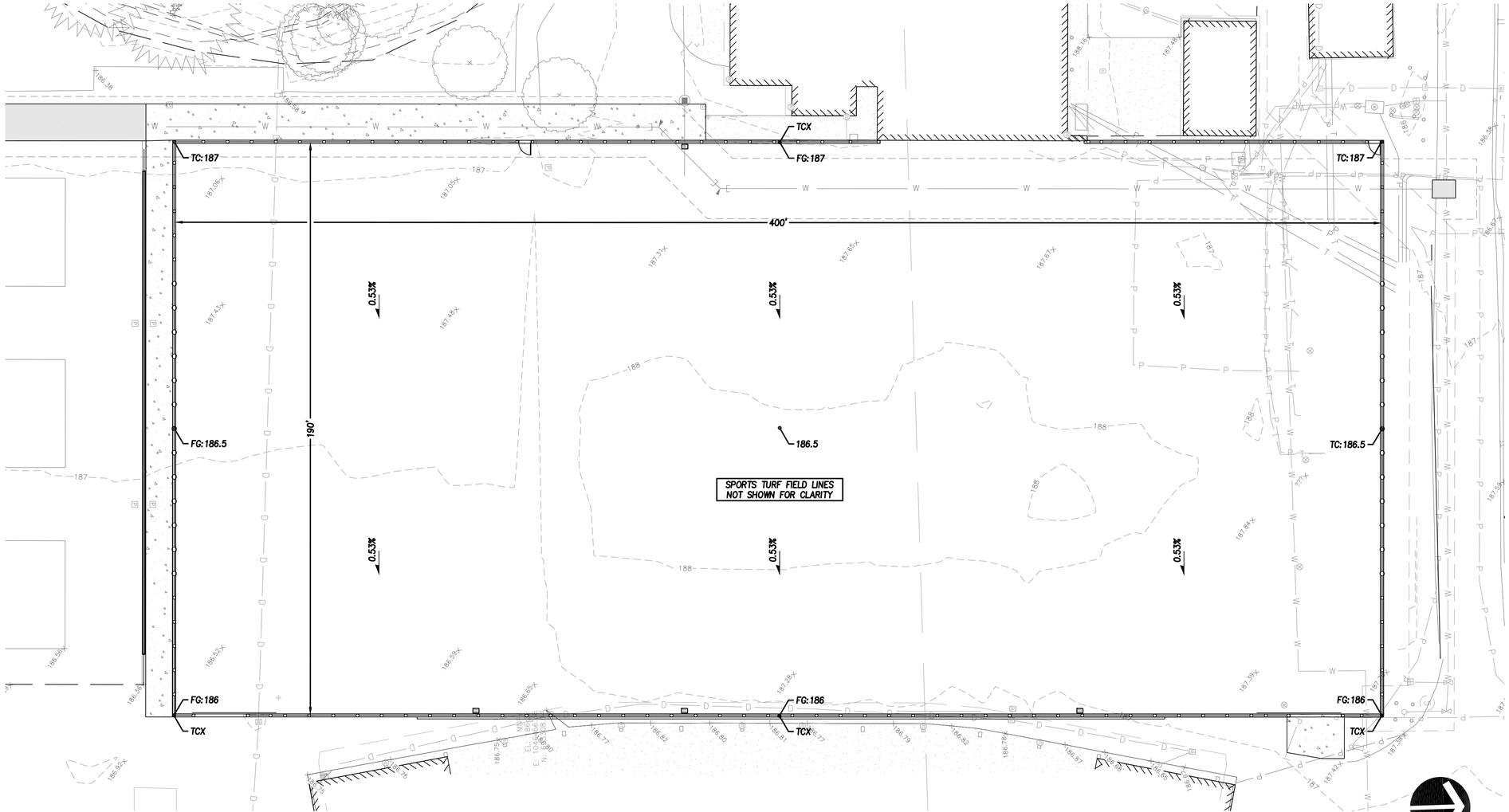

Grading Legend

symbol / key	Note
———	PROPOSED CONTOURS
- - -	EXISTING CONTOURS
—• XXX.X	PROPOSED SPOT ELEVATION
X%	PROPOSED SLOPE
TC	TOP OF CURB
TCX	TOP OF CURB = EXISTING GRADE
FG	FINISH GRADE AT FACE OF CURB

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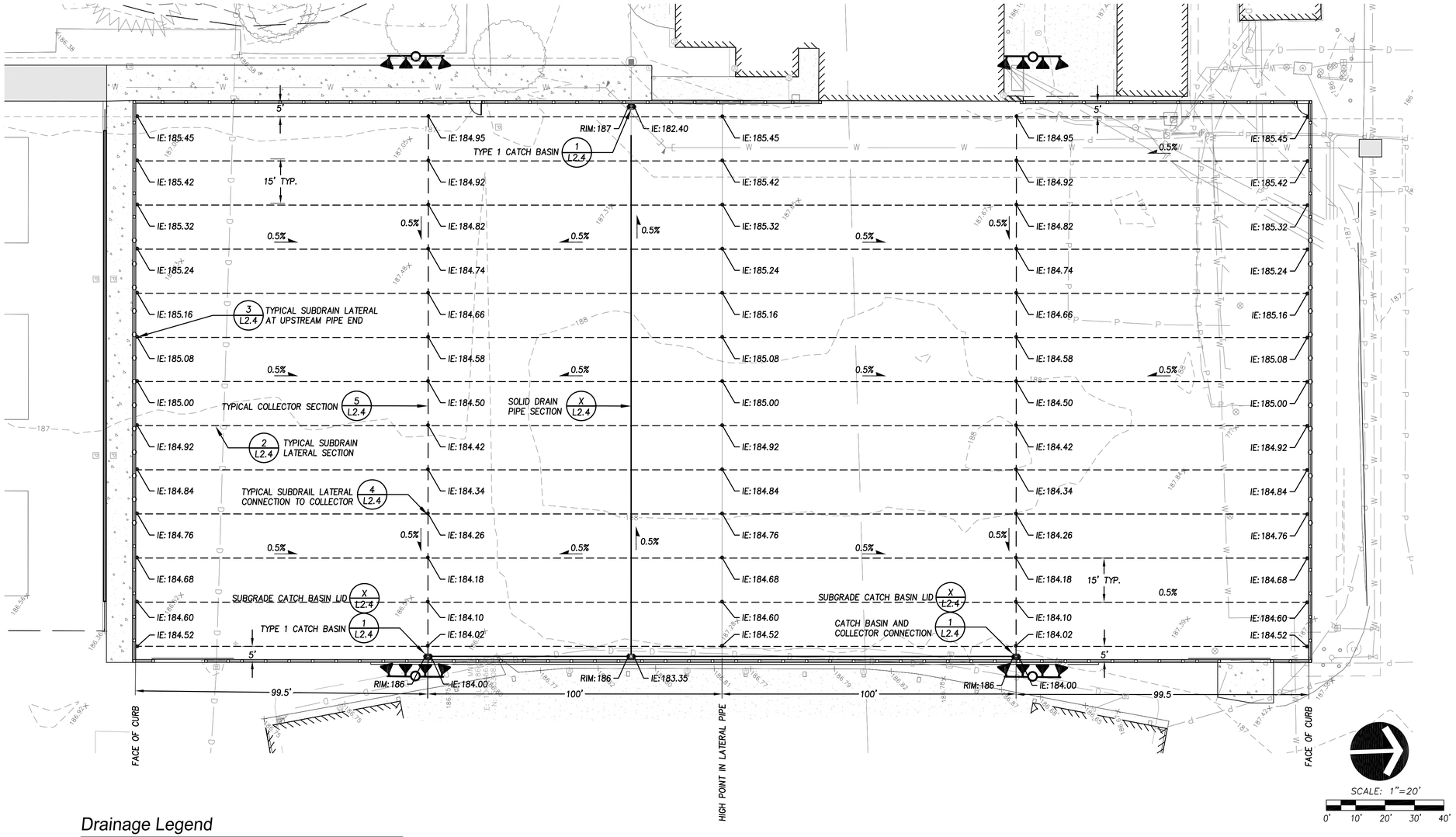
Synthetic Field Grading Plan

L2.1

Sheet - of -



Drainage Legend

symbol / key	Note
———	12" SOLID DRAIN PIPE
— — —	6" CORRUGATED COLLECTOR PIPE
- - - - -	4" SLOTTED CORRUGATED LATERAL PIPE
•— XXX.X	PROPOSED PIPE INVERT ELEVATION
X%	PROPOSED PIPE SLOPE
▭	TYPE 1 CATCH BASIN

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Synthetic Field Subsurface Drainage Plan

L2.2

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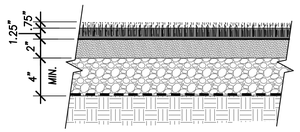
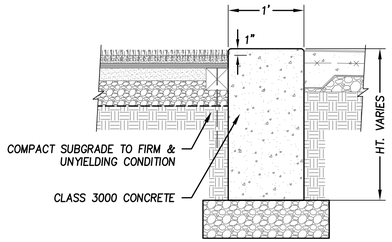
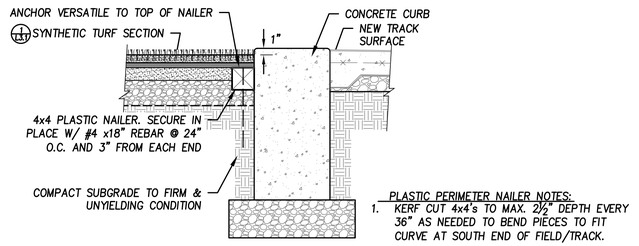


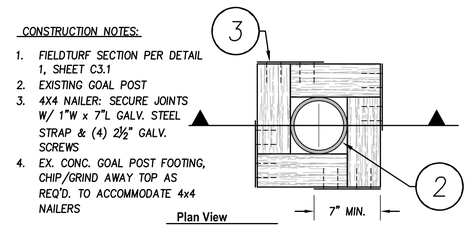
1 L2.3 **Synthetic Turf Section**
NOT TO SCALE



2 L2.3 **Concrete Curb**
NOT TO SCALE

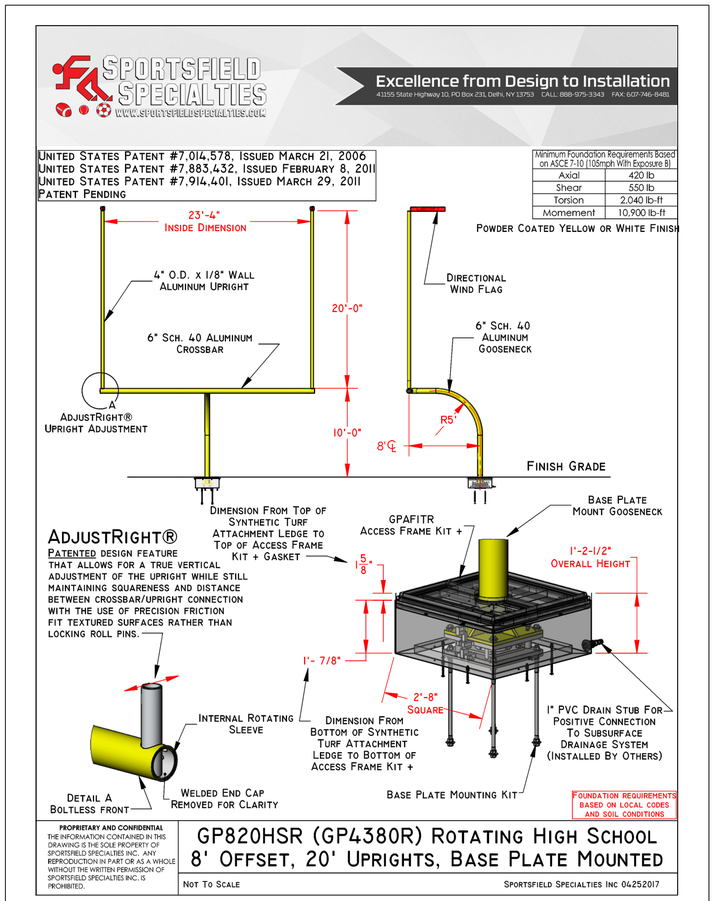


3 L2.3 **Perimeter Nailer @ Concrete Curb**
NOT TO SCALE



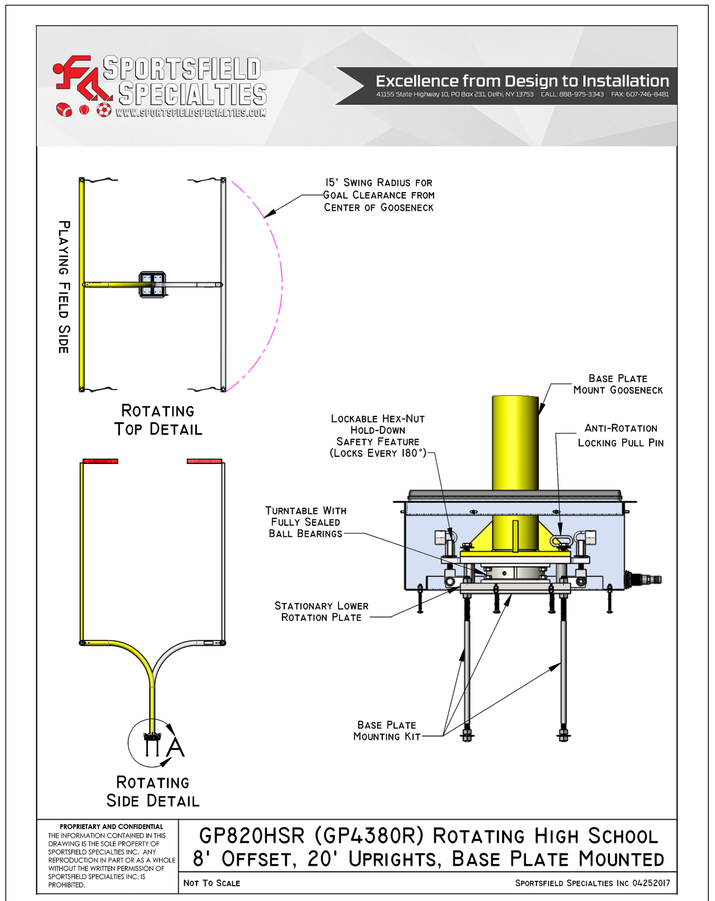
4 L2.3 **Wall Padding**
NOT TO SCALE

5 L2.3 **Perimeter Nailer @ Goal Post**
NOT TO SCALE



NOTE: CUTSHEET PROVIDED BY MANUFACTURER.

6 L2.3 **Goal Post Installation Detail A**
NOT TO SCALE



NOTE: CUTSHEET PROVIDED BY MANUFACTURER.

7 L2.3 **Goal Post Installation Detail B**
NOT TO SCALE

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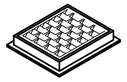
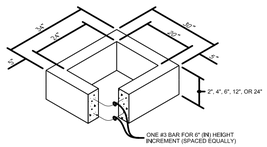


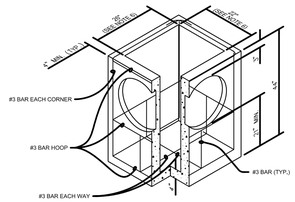
FRAME AND VANED GRATE

PIPE ALLOWANCES	
PIPE MATERIAL	**MAXIMUM INSIDE DIAMETER (INCHES)**
REINFORCED OR PLAIN CONCRETE	12"
ALL METAL PIPE	15"
CPSSP ✳ **(STD. SPEC. SECT. 9-05.20)**	12"
SOLID WALL PVC **(STD. SPEC. SECT. 9-05.12(1))**	15"
PROFILE WALL PVC **(STD. SPEC. SECT. 9-05.12(2))**	15"

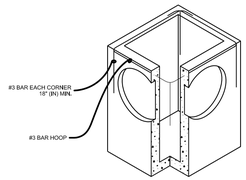
✳ CORRUGATED POLYETHYLENE STORM SEWER PIPE



RECTANGULAR ADJUSTMENT SECTION



PRECAST BASE SECTION



(SEE NOTE 1)

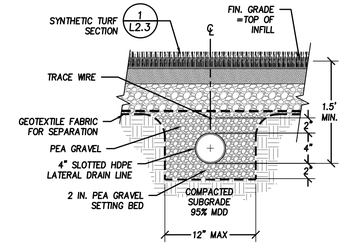
ALTERNATIVE PRECAST BASE SECTION

NOTES

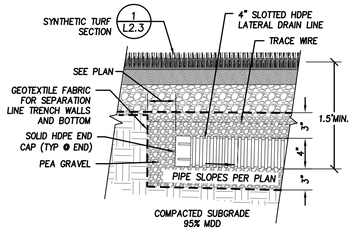
1. As acceptable alternatives to the rebar shown in the **PRECAST BASE SECTION**, fibers (placed according to the Standard Specifications), or wire mesh having a minimum area of 0.12 square inches per foot shall be used with the minimum required rebar shown in the ALTERNATIVE **PRECAST BASE SECTION**. Wire mesh shall not be placed in the knockouts.
2. The knockout diameter shall not be greater than 20" (in). Knockouts shall have a wall thickness of 2" (in) minimum to 2.5" (in) maximum. Provide a 1.5" (in) minimum gap between the knockout wall and the outside of the pipe. After the pipe is installed, **fill** the gap with joint mortar in accordance with **Standard Specification Section 9-04.3**.
3. The maximum depth from the finished grade to the lowest pipe invert shall be 5' (ft).
4. The frame and grate may be installed with the flange down, or integrally cast into the adjustment section with flange up.
5. The Precast Base Section may have a rounded floor, and the walls may be sloped at a rate of 1 : 24 or steeper.
6. The opening shall be measured at the top of the **Precast Base Section**.
7. All pickup holes shall be grouted full after the basin has been placed.

CATCH BASIN TYPE 1

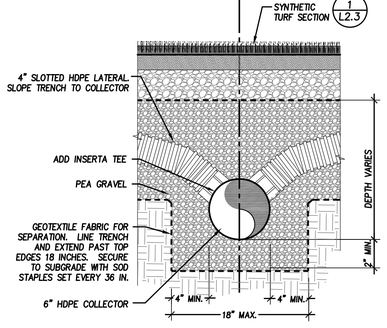
1 / L2.4 *Type 1 Catch Basin*
NOT TO SCALE



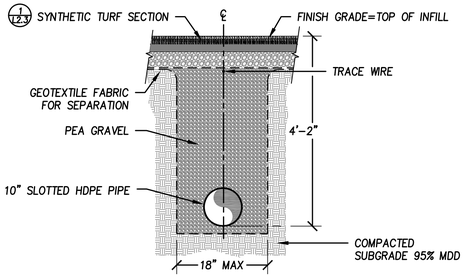
2 / L2.4 *Typical Subdrain Lateral Section*
SCALE: 1' = 10"-0"



3 / L2.4 *Subdrain Lateral at Upstream Pipe End*
SCALE: 1" = 1'-0"



4 / L2.4 *Subdrain Lateral Connection to Collector*
SCALE: 1½" = 1'-0"



5 / L2.4 *Typical Collector Section*
SCALE: 1' = 10"-0"

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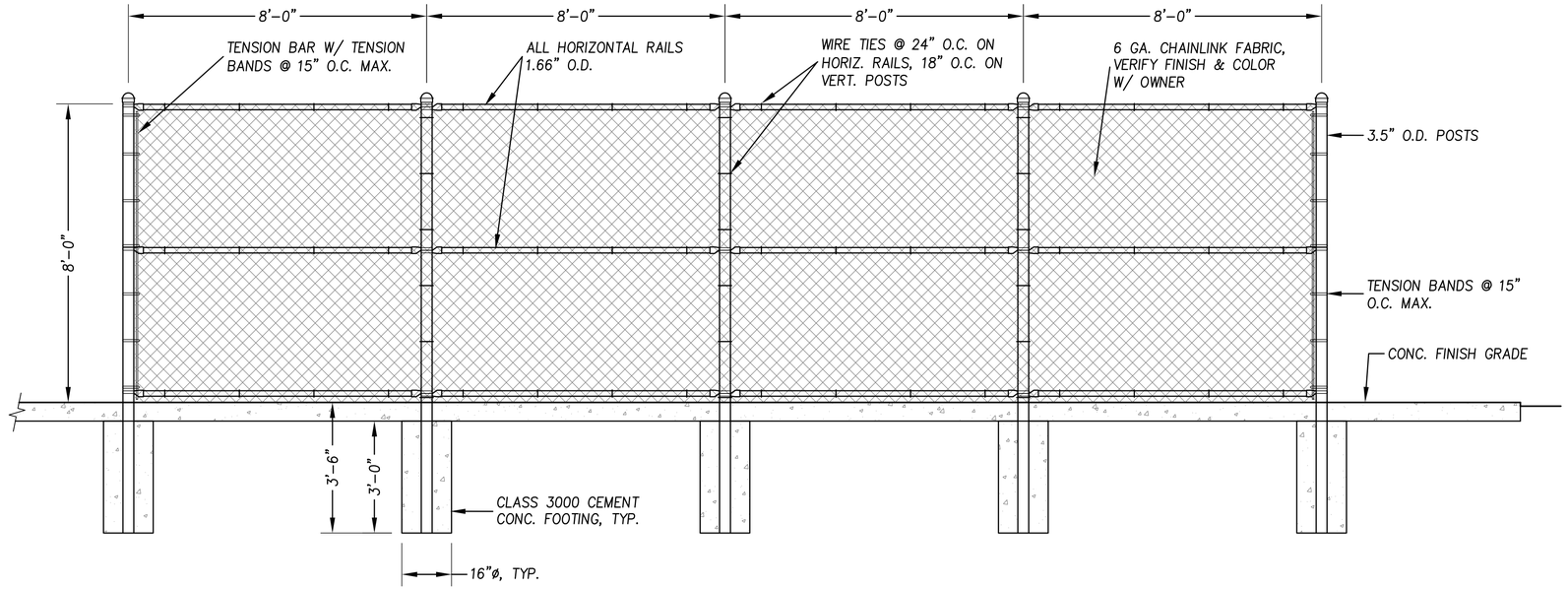
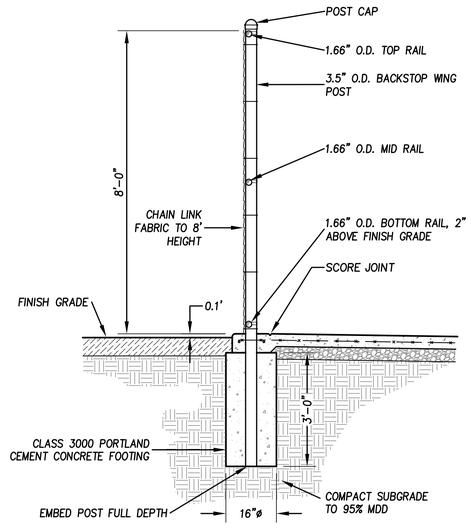
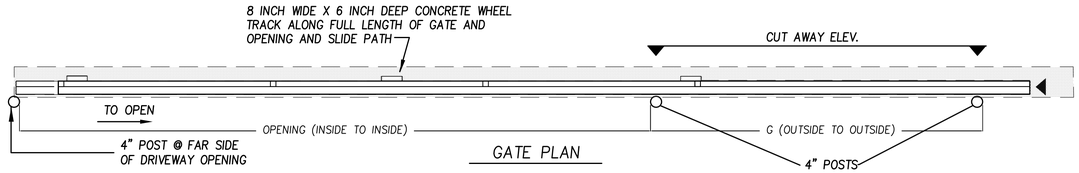


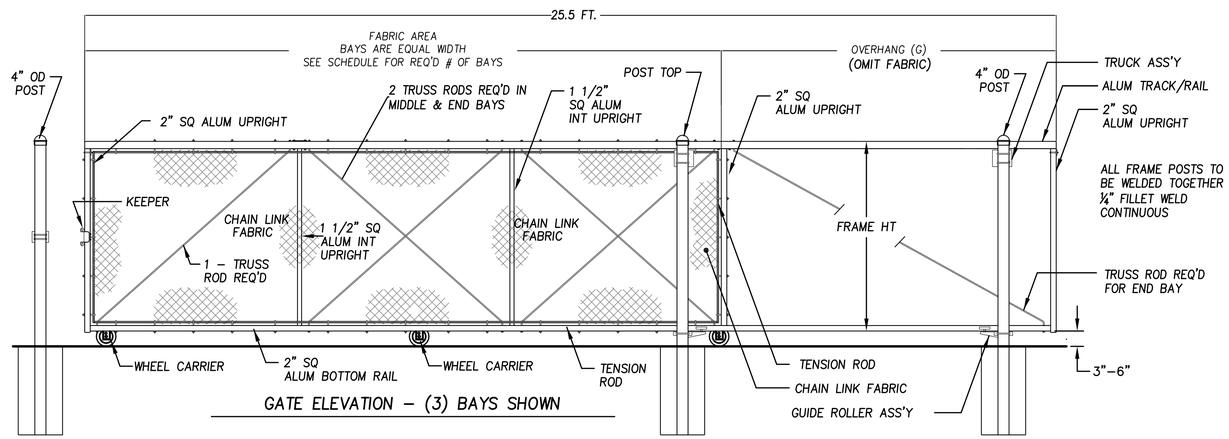


1 / L2.5 **8' Chain Link Fence**

NOT TO SCALE



GATE PLAN



GATE ELEVATION – (3) BAYS SHOWN

OPENING	LENGTH (L)	GATE POSTS (G)	BAYS	OVERHANG
I/S POST FACE TO I/S POST FACE	O/S DIM OF GATE LEAF	O/S POST FACE TO O/S POST FACE	NUMBER OF BAYS WITH CHAIN LINK	NUMBER OF BAYS WITHOUT CHAIN LINK
6'–0"	12'–9"	6'–6"	(1) ONE	(1) ONE
7'–0"	13'–9"	6'–6"	(1) ONE	(1) ONE
8'–0"	14'–9"	6'–6"	(1) ONE	(1) ONE
9'–0"	15'–9"	6'–6"	(2) TWO	(1) ONE
10'–0"	16'–9"	6'–6"	(2) TWO	(1) ONE
11'–0"	18'–9"	7'–6"	(2) TWO	(1) ONE
12'–0"	19'–9"	7'–6"	(2) TWO	(1) ONE
13'–0"	20'–9"	7'–6"	(2) TWO	(1) ONE
14'–0"	21'–9"	7'–6"	(2) TWO	(1) ONE
15'–0"	25'–3"	10'–0"	(2) TWO	(1) ONE
16'–0"	26'–3"	10'–0"	(2) TWO	(1) ONE
17'–0"	27'–3"	10'–0"	(3) THREE	(1) ONE
18'–0"	28'–3"	10'–0"	(3) THREE	(1) ONE
19'–0"	29'–3"	10'–0"	(3) THREE	(1) ONE
20'–0"	30'–3"	10'–0"	(3) THREE	(1) ONE
21'–0"	31'–3"	10'–0"	(3) THREE	(1) ONE
22'–0"	32'–3"	10'–0"	(3) THREE	(1) ONE

2 / L2.5 **17' Sliding Gate**

NOT TO SCALE

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Synthetic Field Construction Details

L2.5

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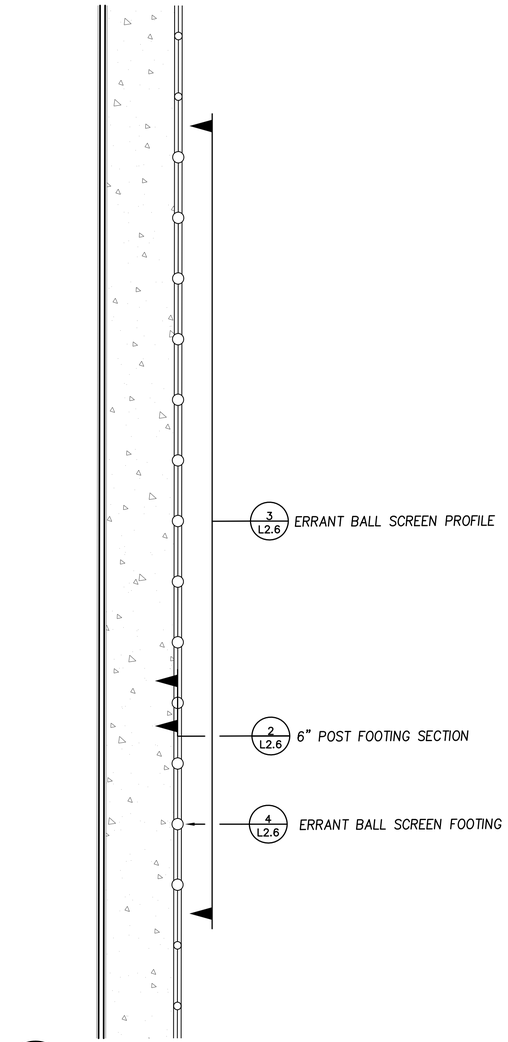
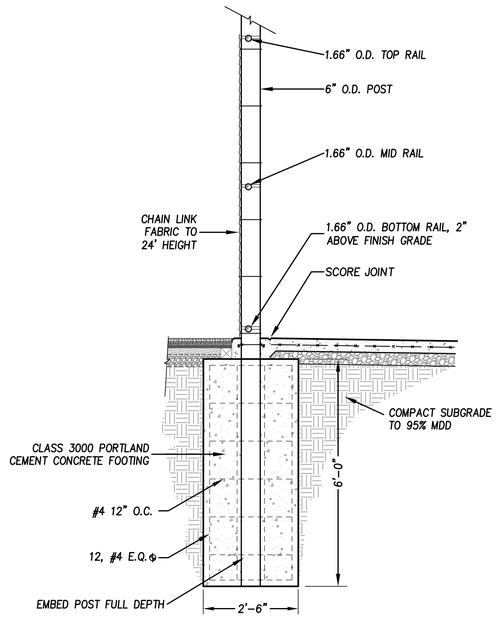
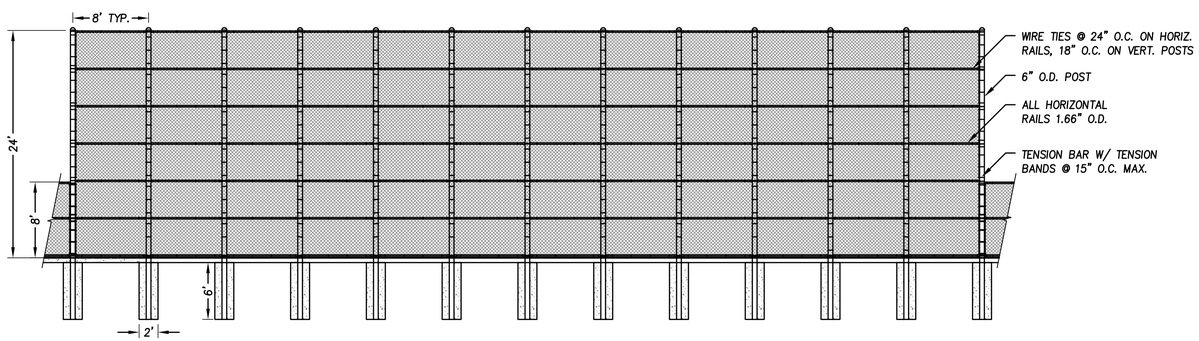


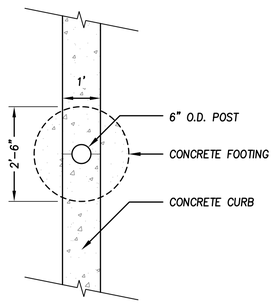
1 L2.6 Errant Ball Screen
SCALE: NTS



2 L2.6 Errant Ball Screen
SCALE: NTS



3 L2.6 Errant Ball Screen Profile
SCALE: NTS



4 L2.6 Errant Ball Screen Post Footing
SCALE: NTS

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Materials Legend

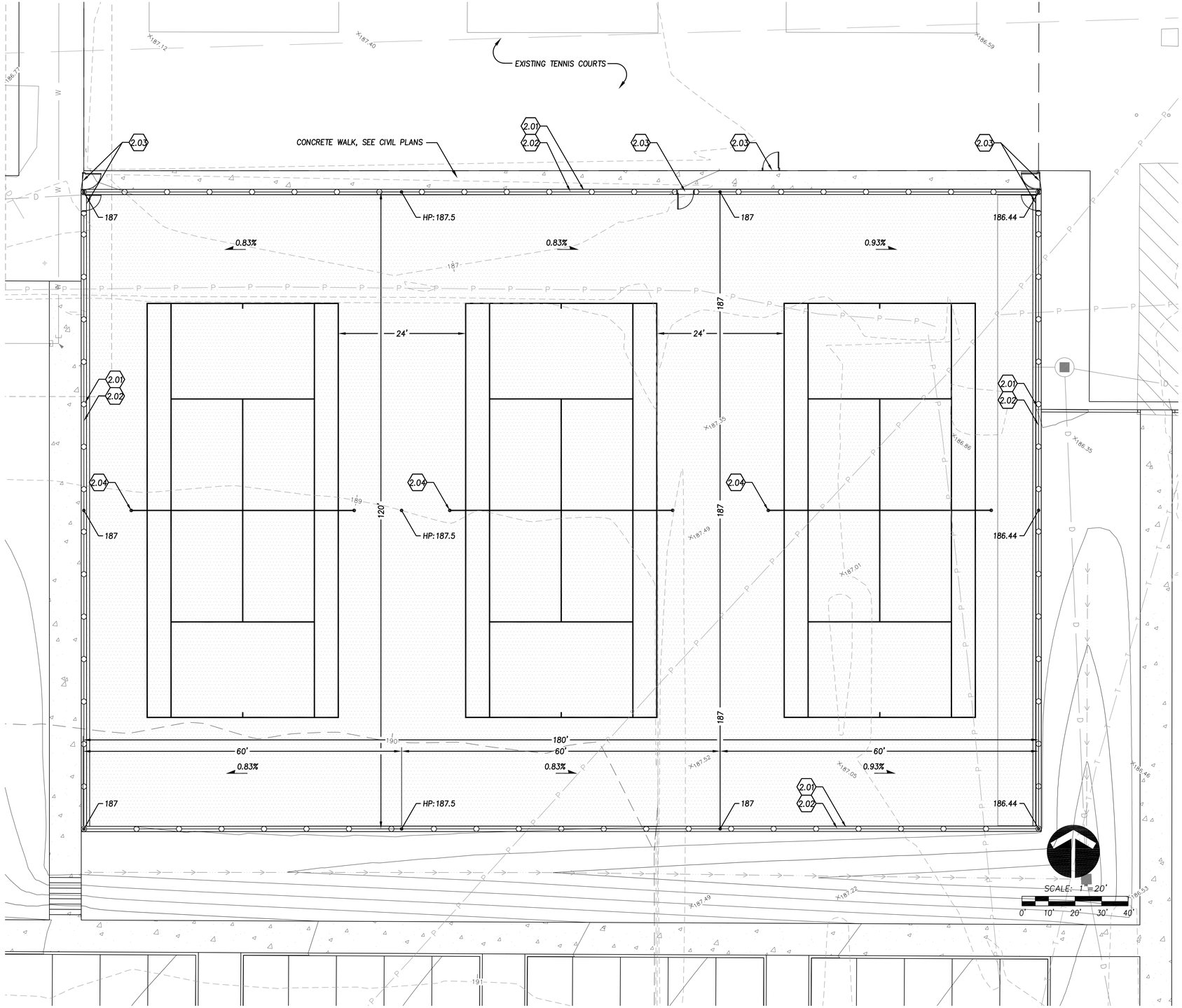
symbol / key	Treatment
	TENNIS COURT SURFACING / SHEET 3.1

Grading Legend

symbol / key	Note
———	PROPOSED CONTOURS
– – –	EXISTING CONTOURS
XXX.X	PROPOSED SPOT ELEVATION
X%	PROPOSED SLOPE
HP	HIGH POINT

Site Material Reference Notes

(2.0)	SITE DETAILS	DETAIL/SHEET
	2.01 CONCRETE CURB	6/L3.1
	2.02 10' CHAIN LINK FENCE	1/L3.1
	2.03 4' WIDE FENCE GATE	2/L3.1
	2.04 POST AND NET	5/L3.1



Olympia High School Addition / Modification

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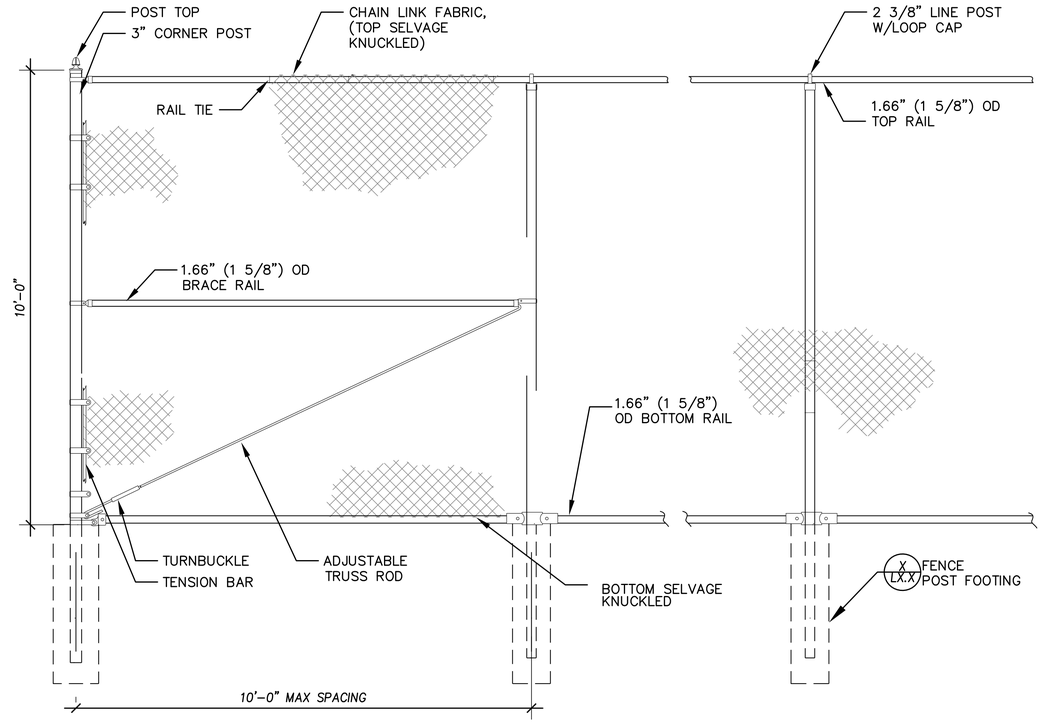
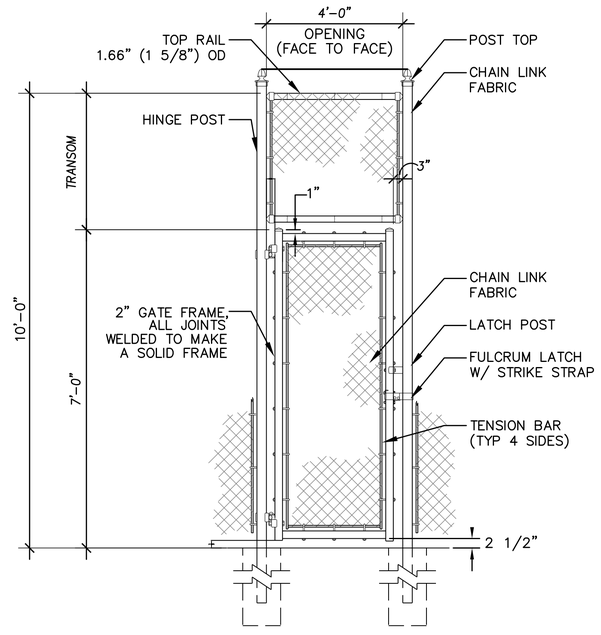
Tennis Court Site & Grading Plan

L3.0

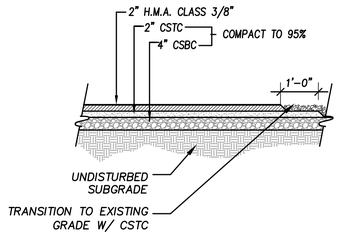
Sheet - of -



1 L3.1 **10' Chain Link Fence**
NOT TO SCALE



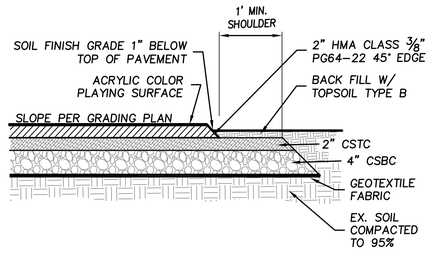
2 L3.1 **Tennis Court Gate, 4' Wide**
NOT TO SCALE



NOTES:

1. MEET & MATCH SLOPES OF ADJACENT PAVED & GRAVEL SURFACES.
2. PROVIDE POSITIVE DRAINAGE AWAY FROM BUILDING.
3. PAVED SURFACES SHALL HAVE UNIFORM SLOPE WITH NO SURFACE IRREGULARITIES.

3 L3.1 **HMA Class 3/8" Asphalt Paving Section**
NOT TO SCALE



4 L3.1 **Edge of Tennis Court**
NOT TO SCALE

5 L3.1 **Tennis Post & Net**
NOT TO SCALE

6 L3.1 **Concrete Curb**
NOT TO SCALE

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Tennis Court Details

L3.1

Sheet - of -

Topsoil Schedule Area A, B, C, & D

symbol / key	QTY	Treatment
	210 CY	TOPSOIL TYPE A 12" DEPTH MIN. 80% LOAMY SAND & 20% FINE COMPOST BY VOLUME
	10 CY	TOPSOIL TYPE B AMENDED WITH 2" FINE COMPOST TILLED INTO 6" DEPTH

Existing Soil Conditions & Remediation Plan

EXISTING CONDITION ONE:

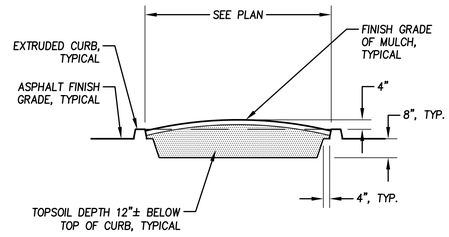
IMPROVEMENTS IN EXISTING LANDSCAPE AREAS
- EXISTING SOIL CONSISTS OF DARK, LOAMY TOPSOIL WITH HIGH ORGANIC MATTER INCLUDING ROOT DETRITUS, SMALL ROUNDED STONES, AND GRAVEL.

PROPOSED REMEDIATION: TOPSOIL TYPE B
- AMEND EXISTING TOPSOIL WITH 2" FINE COMPOST TILLED INTO A DEPTH OF 6 INCHES.

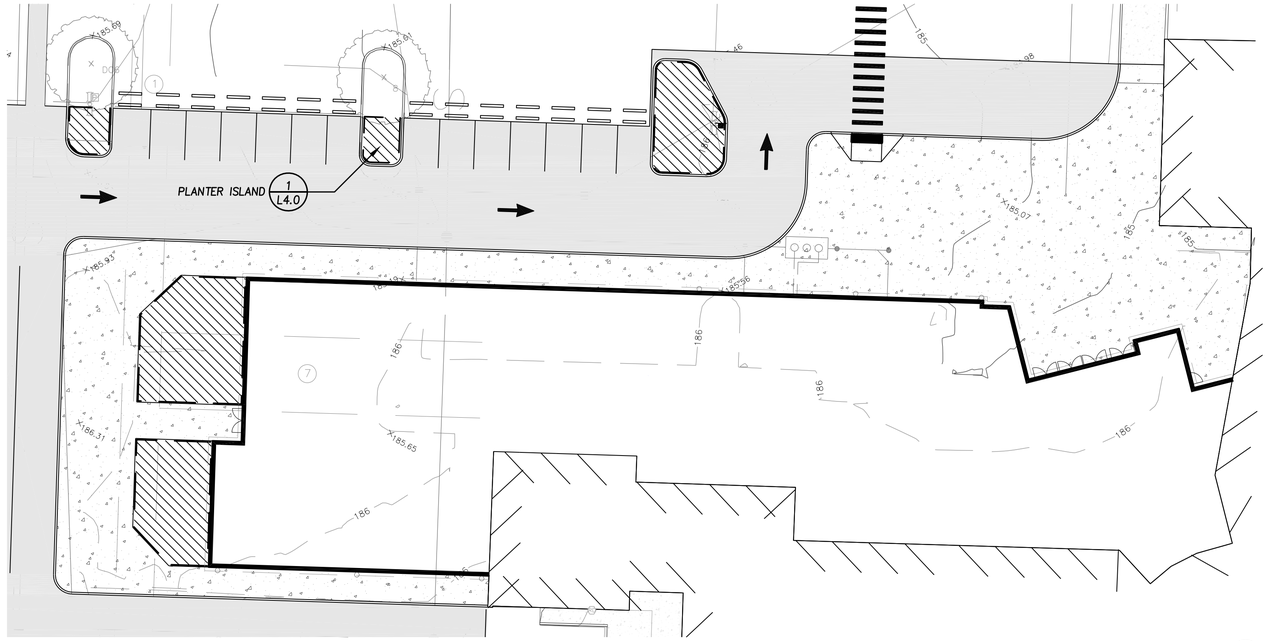
EXISTING CONDITION TWO:

IMPROVEMENTS IN EXISTING PAVING/PARKING AREAS:
- EXISTING PAVEMENT (AMA PAVING AND/OR CONCRETE) WITH AGGREGATE BASE OVER HIGHLY COMPACTED SUBGRADE.

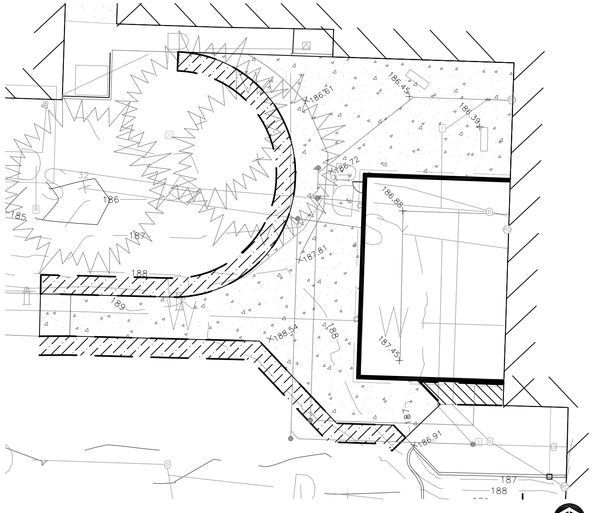
PROPOSED REMEDIATION: TOPSOIL TYPE A
- INSTALL TOPSOIL TYPE A (80% LOAMY SAND & 20% FINE COMPOST BY VOLUME) TO A MINIMUM DEPTH OF 12 INCHES.



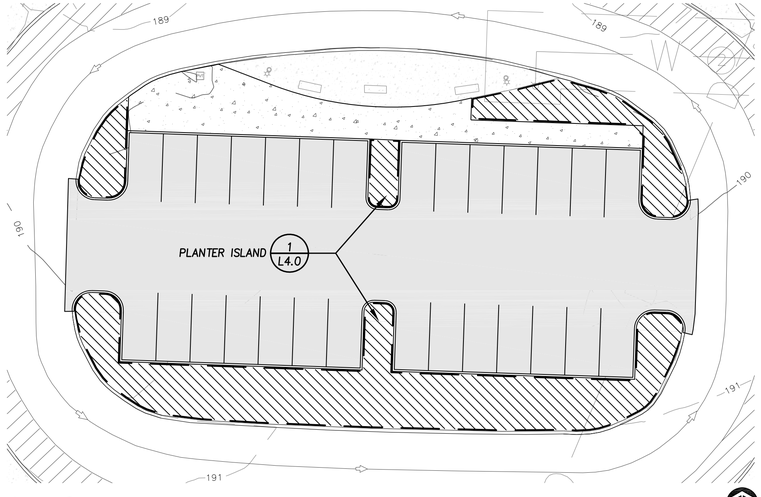
1 / L4.0 *Planter Island, Typical*
NOT TO SCALE



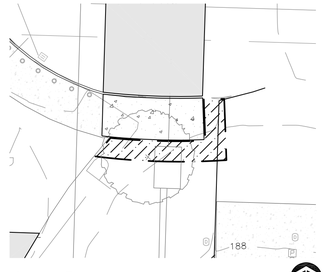
Area A
SCALE: 1" = 20'-0"



Area B
SCALE: 1" = 20'-0"



Area C
SCALE: 1" = 20'-0"



Area D
SCALE: 1" = 20'-0"

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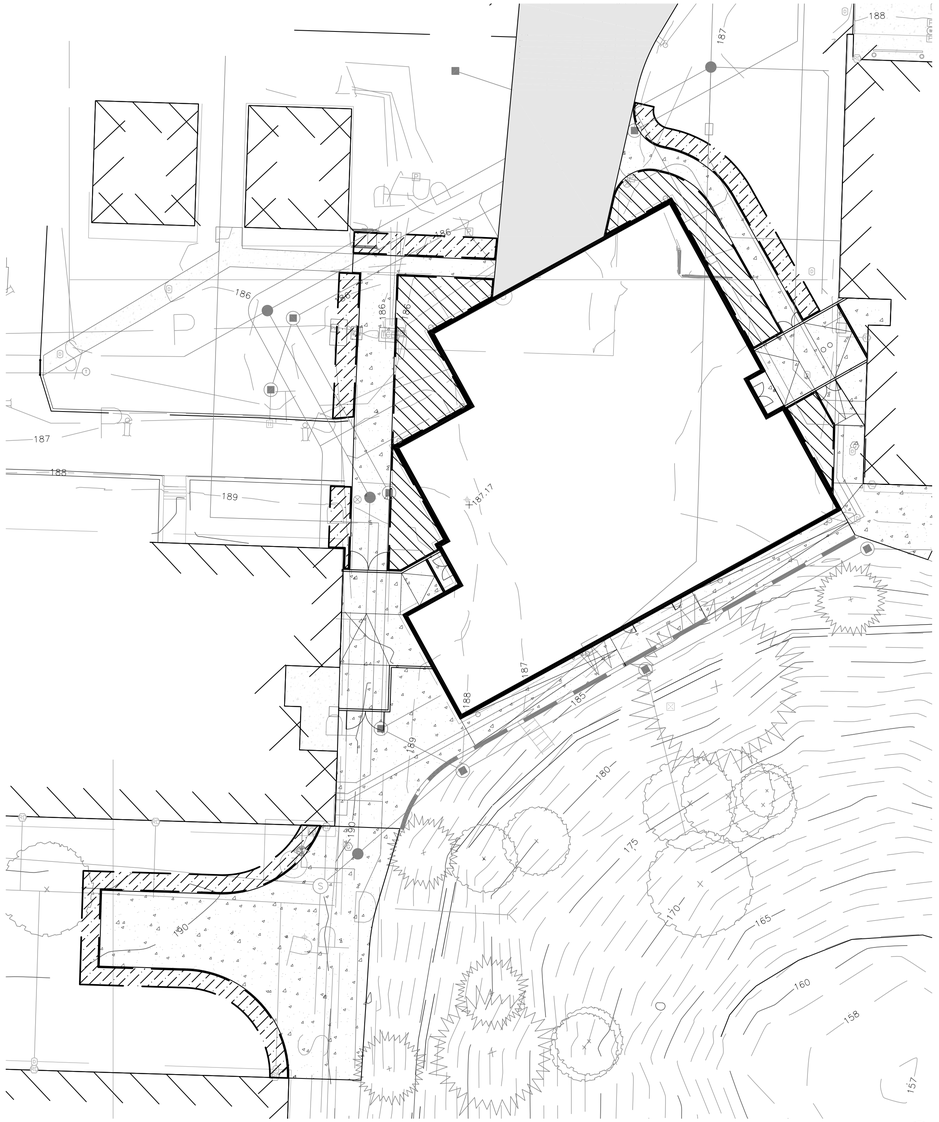
Topsoil Plan

L4.0

Sheet - of -

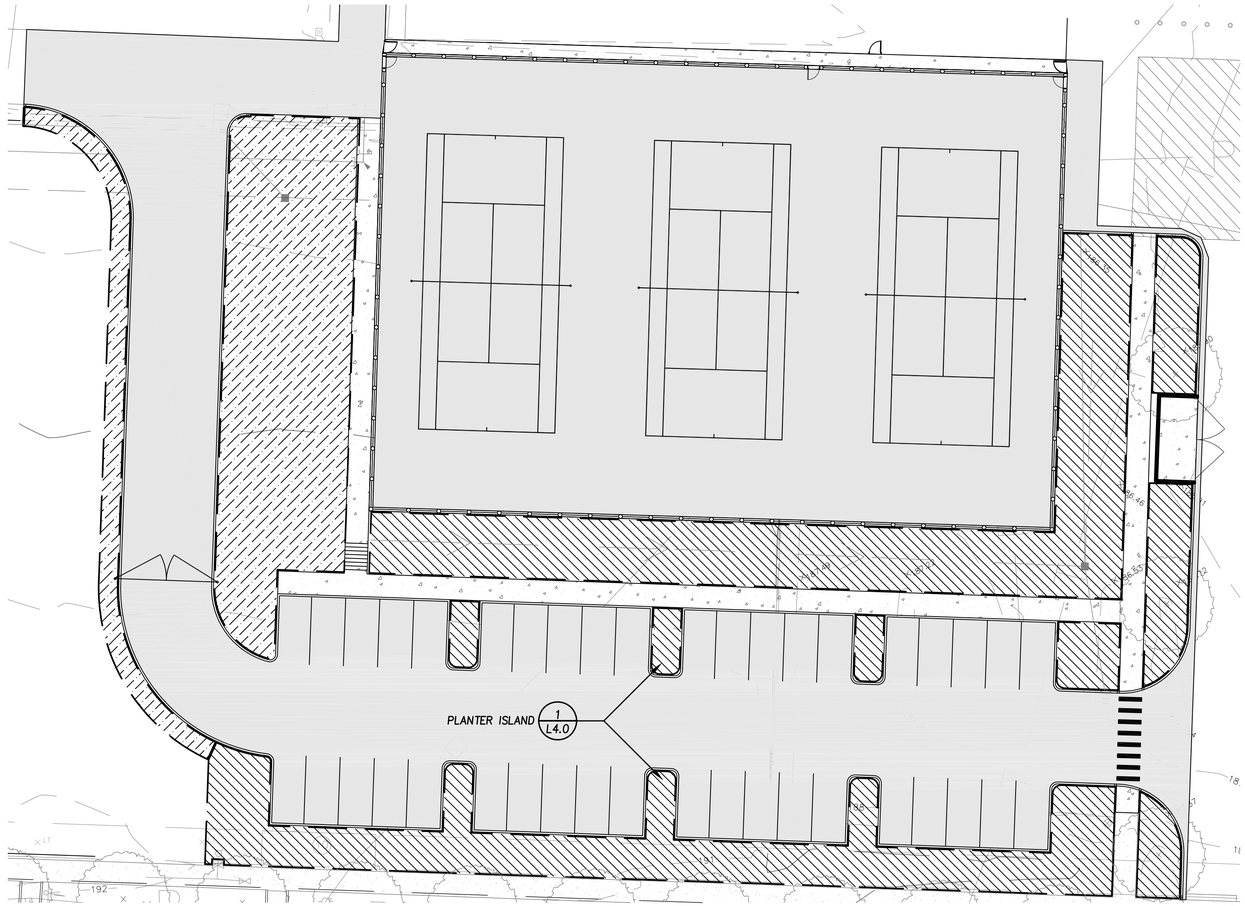
Topsoil Schedule Area E, F, & G

symbol / key	QTY	Treatment
	430 CY	TOPSOIL TYPE A 12" DEPTH MIN. 80% LOAMY SAND & 20% FINE COMPOST BY VOLUME
	43 CY	TOPSOIL TYPE B AMENDED WITH 2" FINE COMPOST TILLED INTO 6" DEPTH



Area E & F

SCALE: 1" = 20'-0"



Area G

SCALE: 1" = 20'-0"

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Topsoil Plan

L4.1

Sheet - of -

Irrigation Plan Reference Notes

KEY	NOTE
1	CONNECT NEW LATERAL PIPE TO EXISTING LATERAL
2	INSTALL NEW SLEEVE AND COLLAR TO EXTEND 3' BEYOND CURB
3	INSTALL NEW SPRAY HEAD ON EXISTING LATERAL PIPE
4	REPLACE EXISTING IRRIGATION COMPONENT WITH INDICATED SPRAY OR ROTARY HEAD

Valve & Piping Schedule

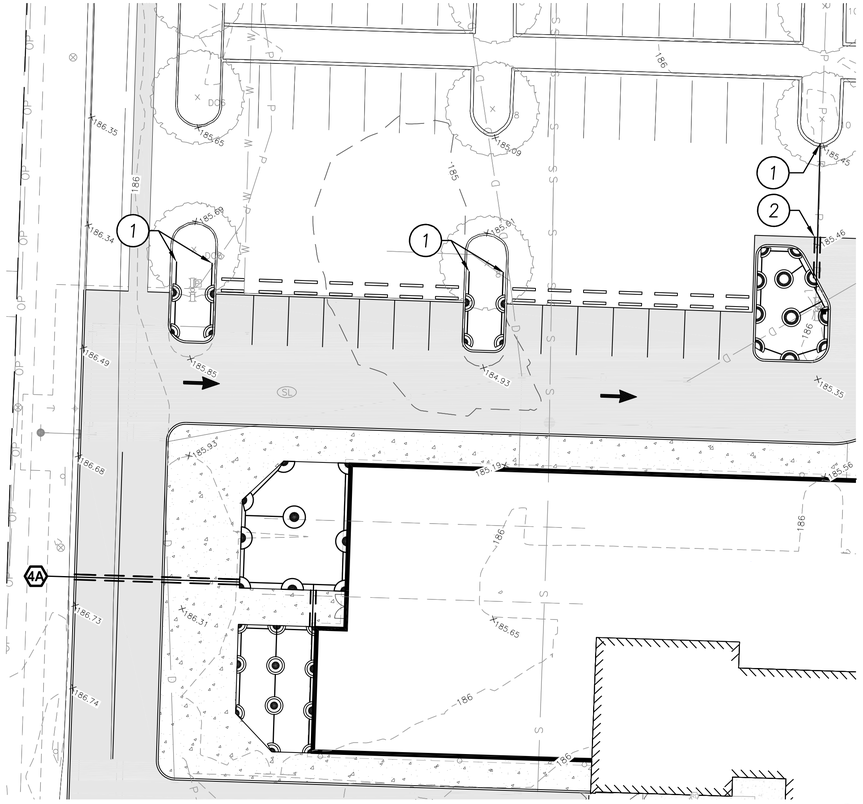
SYMBOL	MFG.	CATALOG NO.	DESCRIPTION
	SCHEDULE 200 3" PVC MAINLINE, @ 24" DEPTH		
	SCHEDULE 200 PVC LATERAL LINES @ 18" DEPTH		
	SCHEDULE 40 PVC SLEEVES @ 24" DEPTH, 4" DIAM. (UNLESS OTHERWISE INDICATED)		
	FEBCO	805Y	DOUBLE CHECK BACKFLOW PREVENTER
X	RAINBIRD	150-PEB-PRS-D 200-PEB-PRS-D	1.5" & 2" AUTOMATIC REMOTE CONTROL VALVES W/ PRESSURE REDUCING MODULE
	RAINBIRD	300-BPES	3" BRASS BALL VALVE - IN VALVE BOX
	RAINBIRD	44RC W/ SH-0 & 44K	1" BRASS QUICK COUPLING VALVE SUPPLY W/ HOSE SWIVEL & VALVE KEY
	WILKINS	#215-1/2"	½" VALVE MANUAL DRAIN ASSEMBLY, INSTALL WHERE SHOWN ON PLANS.
C	RAINBIRD	ESP-LX 12/24	CONTROLLER MOUNTED IN WEATHER PROOF ENCLOSURE.
NOT SHOWN	STATION & COMMON WIRE SIZE-AWG 14 GAUGE MINIMUM INSTALL ONE SPARE WIRE FOR ALL IRRIGATION ZONE WIRE RUNS		

Valve Chart

VALVE NO.	GPM	SIZE	VALVE NO.	GPM	SIZE
4A	28.5	1½"	1C	51.0	2"
7B	74.0	2"	2C	70.0	2"
11A	35.33	2"	3C	61.0	2"
13B	37.6	2"	4C	89.0	2"

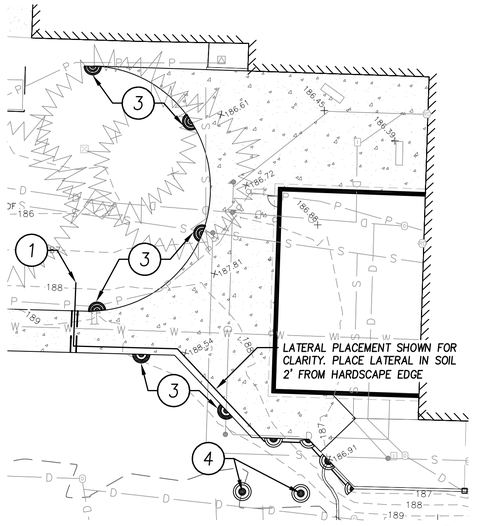
Irrigation Head & Nozzle Schedule

SYMBOL	CATALOG NUMBER	RADIUS	GPM	PSI
	RAINBIRD 1804-SAM-PRS SERIES SPRAY HEADS WITH MPR NOZZLES. INSTALL 12" POP-UP HEADS IN SHRUB BEDS & 6" POP-UP HEADS IN LAWN			
	RAINBIRD 1806-PRS-8F	8	1.30	30
	RAINBIRD 1806-PRS-8H	8	0.79	
	RAINBIRD 1806-PRS-8Q	8	0.39	
	RAINBIRD 1806-PRS-10F	10	1.30	30
	RAINBIRD 1806-PRS-10H	10	0.79	
	RAINBIRD 1812-SAM-10VAN	10	0.39	
	RAINBIRD 1812-SAM-10Q	10	0.39	
	RAINBIRD 1806-PRS-12F	12	2.60	30
	RAINBIRD 1806-PRS-12TQ	12	1.95	
	RAINBIRD 1806-PRS-12H	12	1.30	
	RAINBIRD 1806-PRS-12VAN	12	0.87	
	RAINBIRD 1806-PRS-12Q	12	0.65	
	RAINBIRD 1806-PRS-15F	15	3.70	30
	RAINBIRD 1806-PRS-15TQ	15	2.80	
	RAINBIRD 1806-PRS-15H	15	1.85	
	RAINBIRD 1806-PRS-15VAN	15	1.23	
	RAINBIRD 1806-PRS-15Q	15	0.93	
	RAINBIRD 1806-PRS-15SST	6x26	1.29	30
	RAINBIRD 1806-PRS-15LCS	6x13	0.65	
	HUNTER ROTARY-PGP-25F	25	3.40	50
	HUNTER ROTARY-PGP-25H	25	1.60	
	HUNTER ROTARY-PGP-25Q	25	0.90	
	HUNTER ROTARY-PGP-35F	35	6.80	50
	HUNTER ROTARY-PGP-35H	35	3.40	
	HUNTER ROTARY-PGP-35Q	35	1.60	



Area A

SCALE: 1" = 20'-0"



Area B

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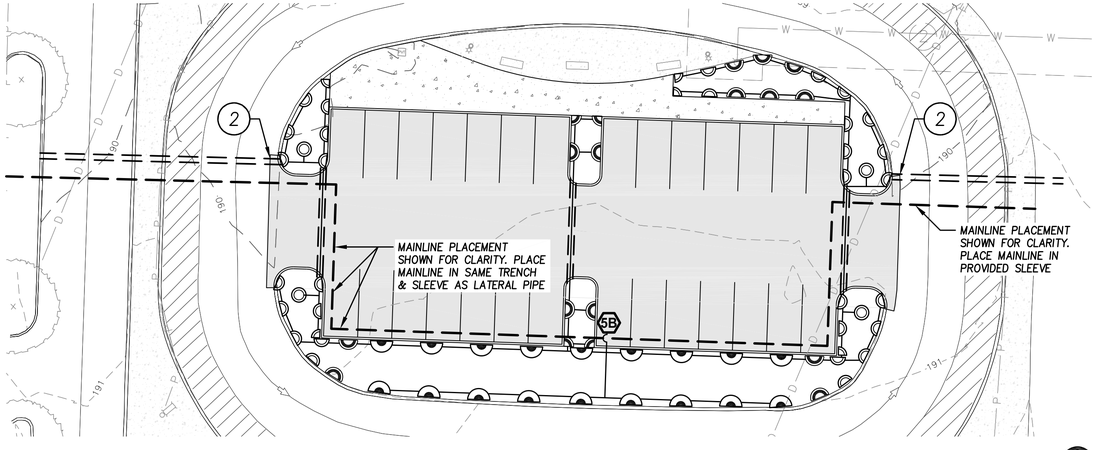

Area C

SCALE: 1" = 20'-0"

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Irrigation Plan

L5.0

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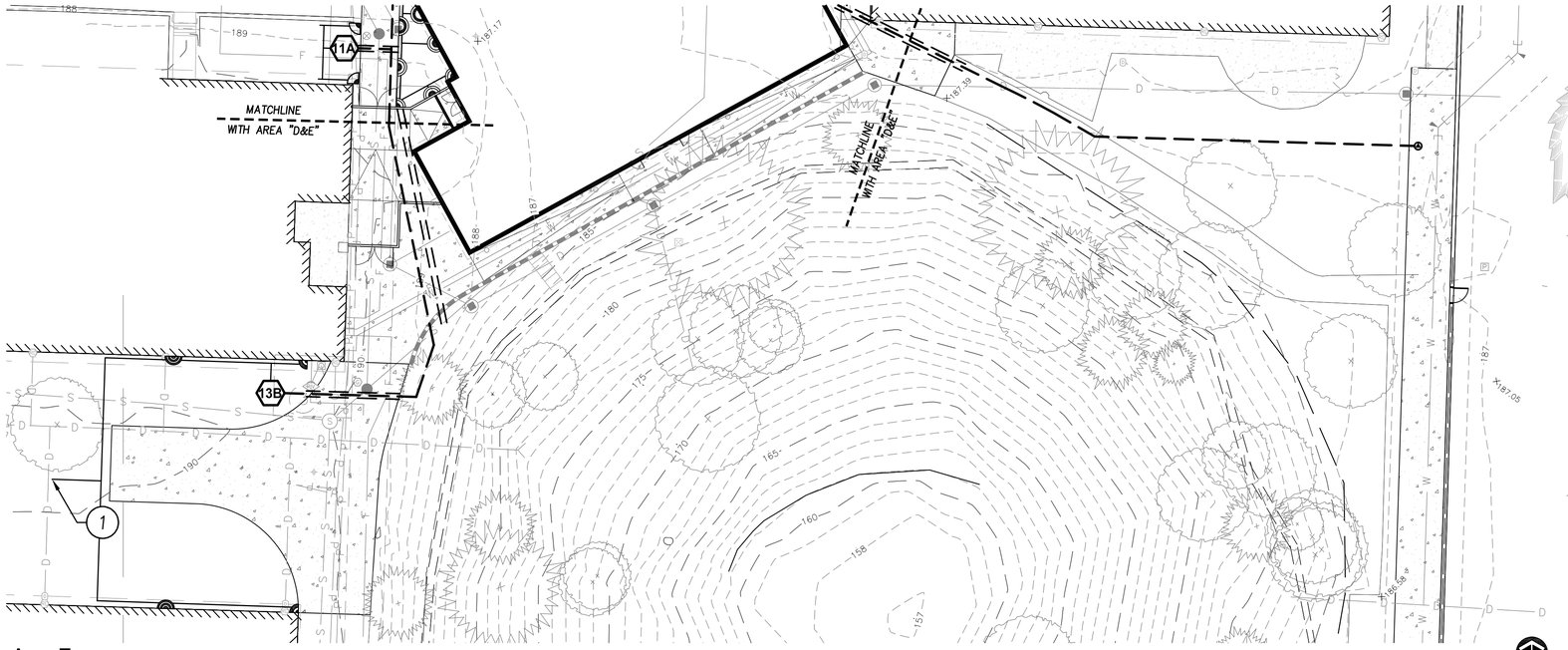
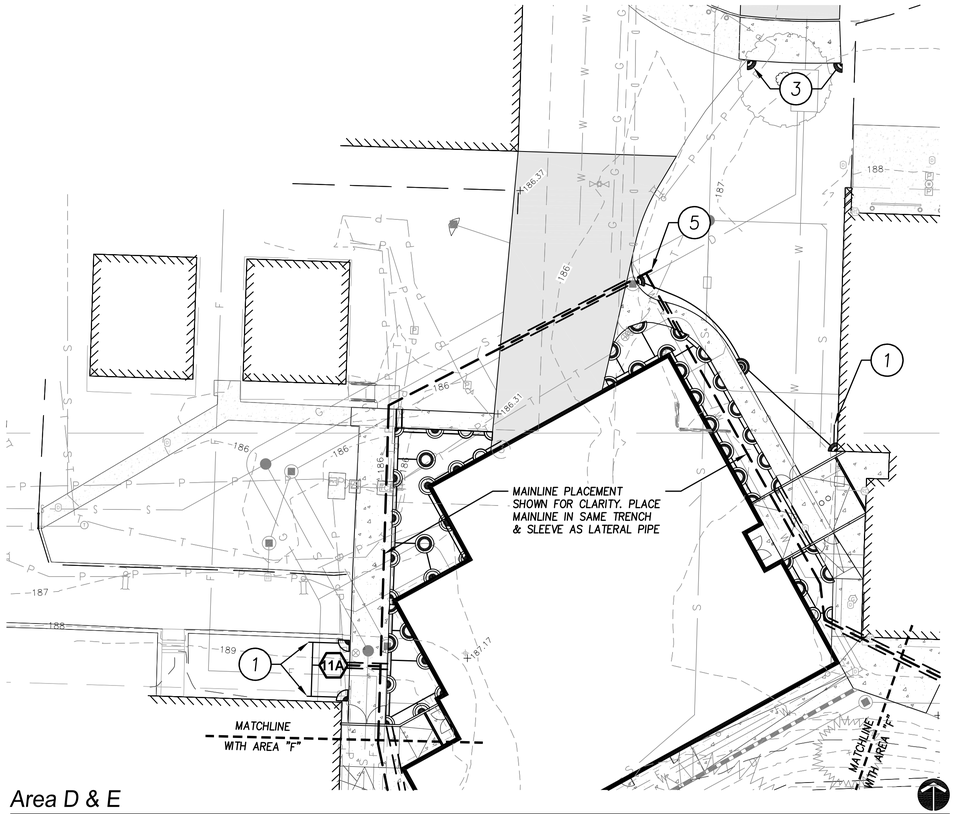
Irrigation Plan Reference Notes

KEY	NOTE
1	CONNECT NEW LATERAL PIPE TO EXISTING LATERAL
2	INSTALL NEW SLEEVE AND COLLAR TO EXTEND 3' BEYOND CURB
3	INSTALL NEW SPRAY HEAD ON EXISTING LATERAL PIPE
4	REPLACE EXISTING IRRIGATION COMPONENT WITH INDICATED SPRAY OR ROTARY HEAD
5	CONNECT MAINLINE AND COLLAR TO EXISTING MAINLINE



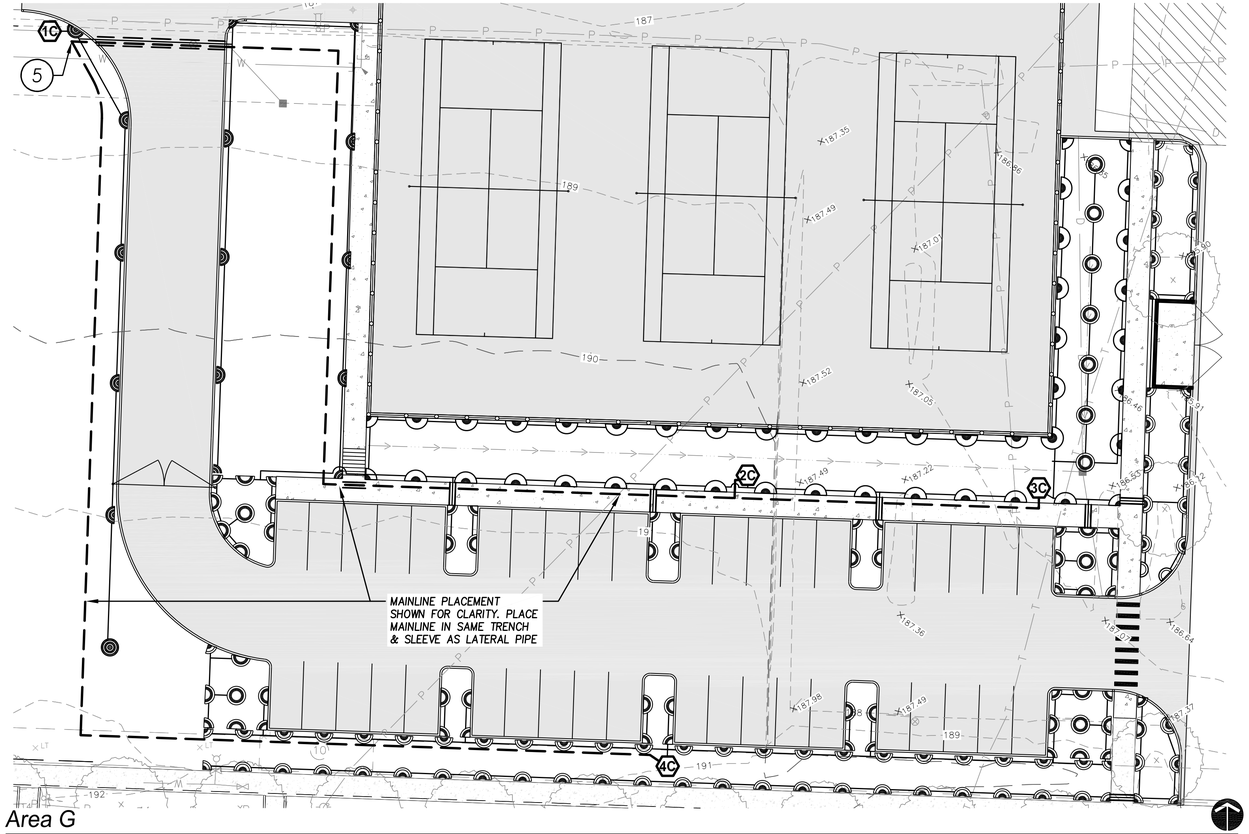
AreaF

SCALE: 1" = 20'-0"



Area D & E

SCALE: 1" = 20'-0"



Area G

SCALE: 1" = 20'-0"

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Irrigation Plan

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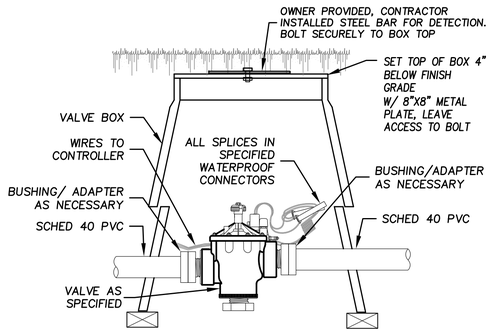
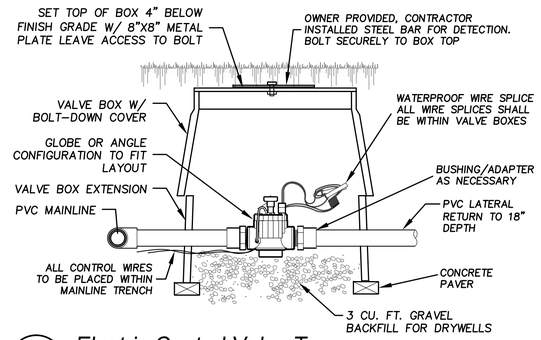


- / L6.2 *Master Valve Installation Typ.*

SCALE: NTS



- / L6.2 *Electric Control Valve Typ.*

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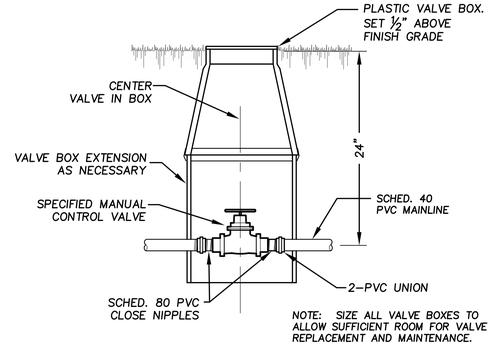
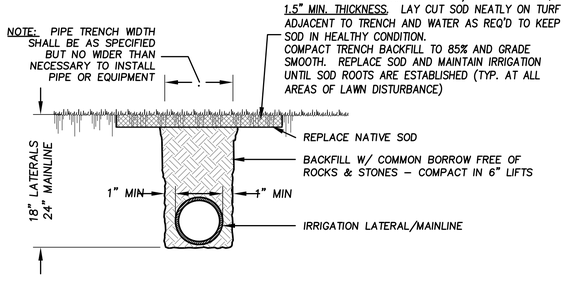


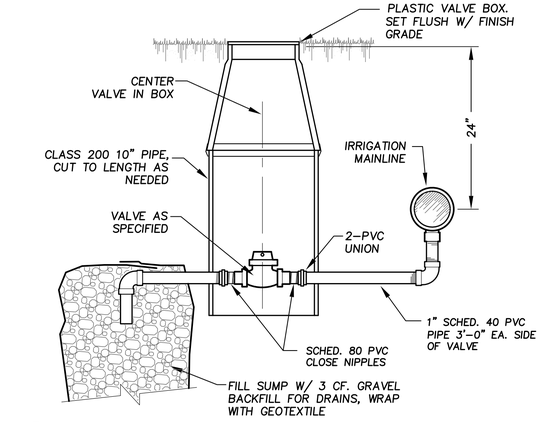
- / L6.2 *Manual Control Valve*

SCALE: NTS



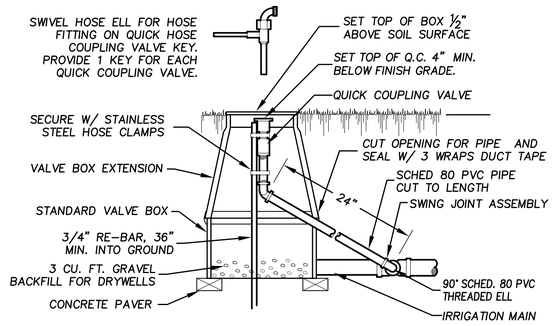
- / L6.2 *Irrigation Pipe Typ.*

SCALE: NTS



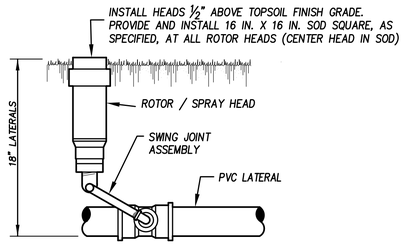
- / L6.2 *Manual Drain Valve*

SCALE: NTS



- / L6.2 *Quick Coupler Valve Installation Typ.*

SCALE: NTS



- / L6.2 *Rotary / Pop-up Sprinkler Head Installation Typ.*

SCALE: NTS

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Irrigation Details

L5.2

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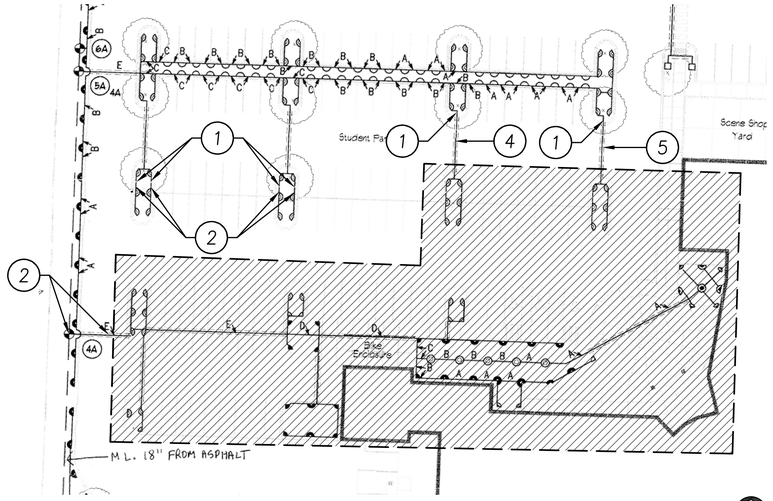
Irrigation Demo Plan Reference Notes

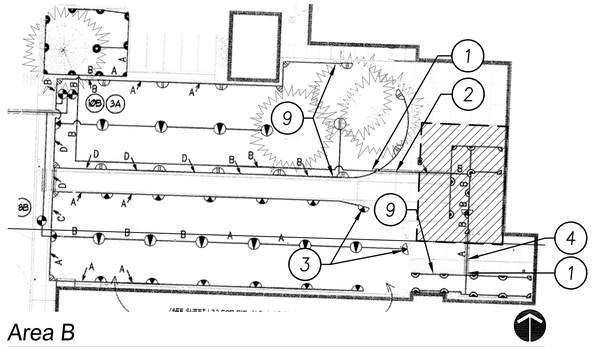
KEY	NOTE
1	CUT AND CAP IRRIGATION PIPE
2	DEMOLISH IRRIGATION PIPE AND COMPONENTS AND REMOVE OFF SITE
3	RETAIN AND PROTECT STRAY HEAD IN PLACE
4	RETAIN AND PROTECT EXISTING SLEEVE IN PLACE
5	ABANDON EXISTING SLEEVE IN PLACE
6	ABANDON EXISTING LATERAL IN PLACE
7	DEMOLISH MAINLINE AND DISPOSE OFF SITE
8	RETAIN AND PROTECT EXISTING AUTOMATIC CONTROL VALVE IN PLACE
9	RETAIN AND PROTECT LATERAL PIPE IN PLACE

DEMOLISH & DISPOSE OFF-SITE ALL IRRIGATION EQUIPMENT & PIPING ENCOUNTERED DURING DEMOLITION AND GRADING. ALL IRRIGATION PIPES EXPOSED ABOVE SUBGRADE SHALL BE REMOVED AND CAPPED 6" BELOW SUBGRADE



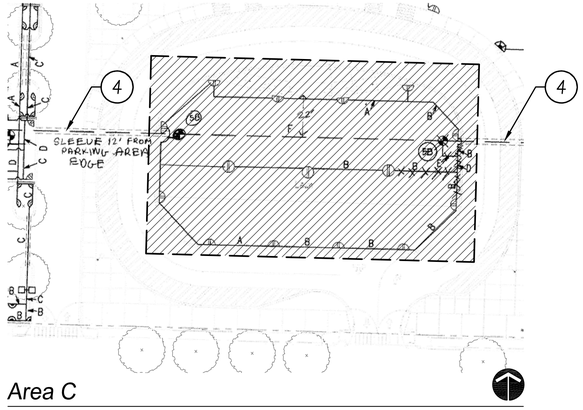
Area A

SCALE: 1" = 40'-0"



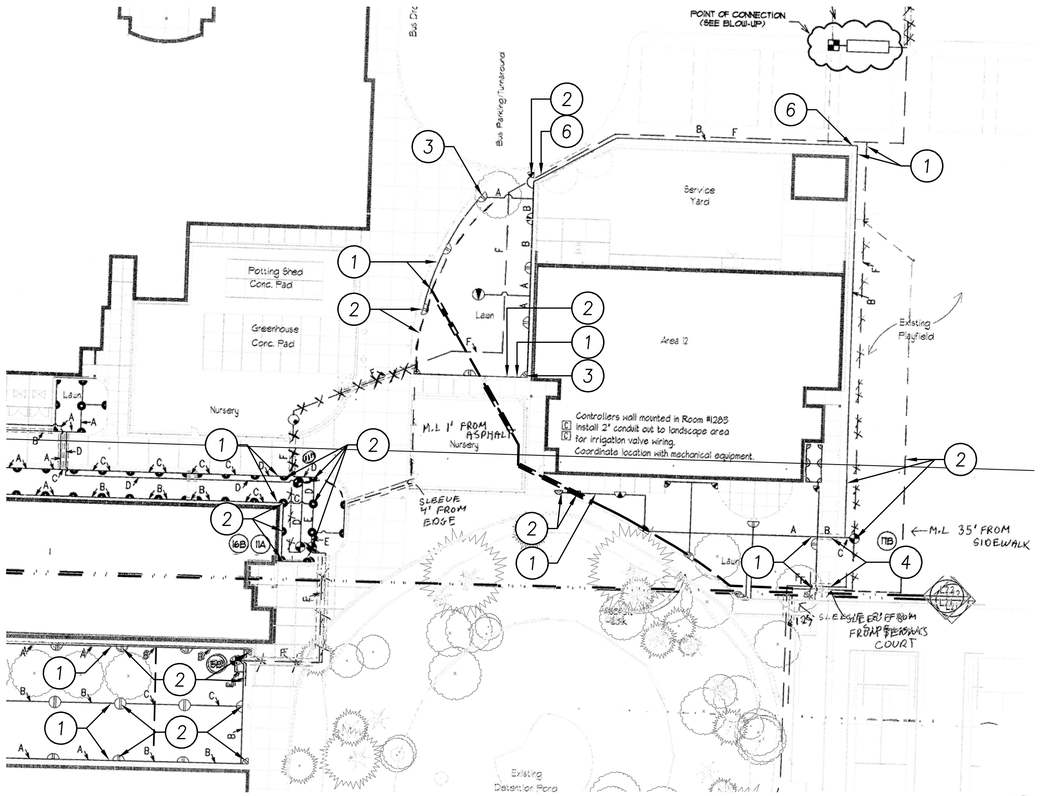
Area B

SCALE: 1" = 40'-0"



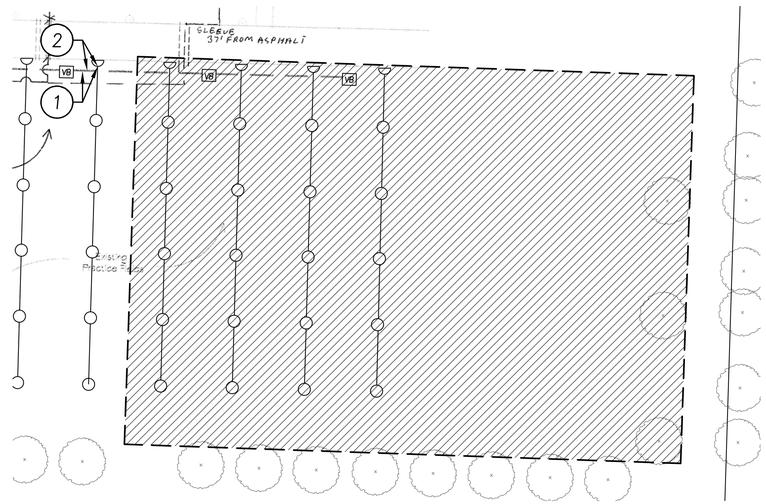
Area C

SCALE: 1" = 40'-0"



Area E, F, & H

SCALE: 1" = 40'-0"



Area G

SCALE: 1" = 40'-0"

Olympia High School Addition / Modification

Olympia School District
Olympia, WA

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Landscape Architecture
Site Planning
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STATE OF WASHINGTON · ROBERT W. DROLL · 20 559 EXP. 6/30/2019 · LANDSCAPE ARCHITECT

PERMIT SET

PROJECT NO. 17055
DRAWING
DESIGNED BY DR
DRAWN BY
CHECKED BY

REVISION

DATE	CHANGE

DATE: JANUARY 14, 2019

Irrigation Demo Plan

L5.4

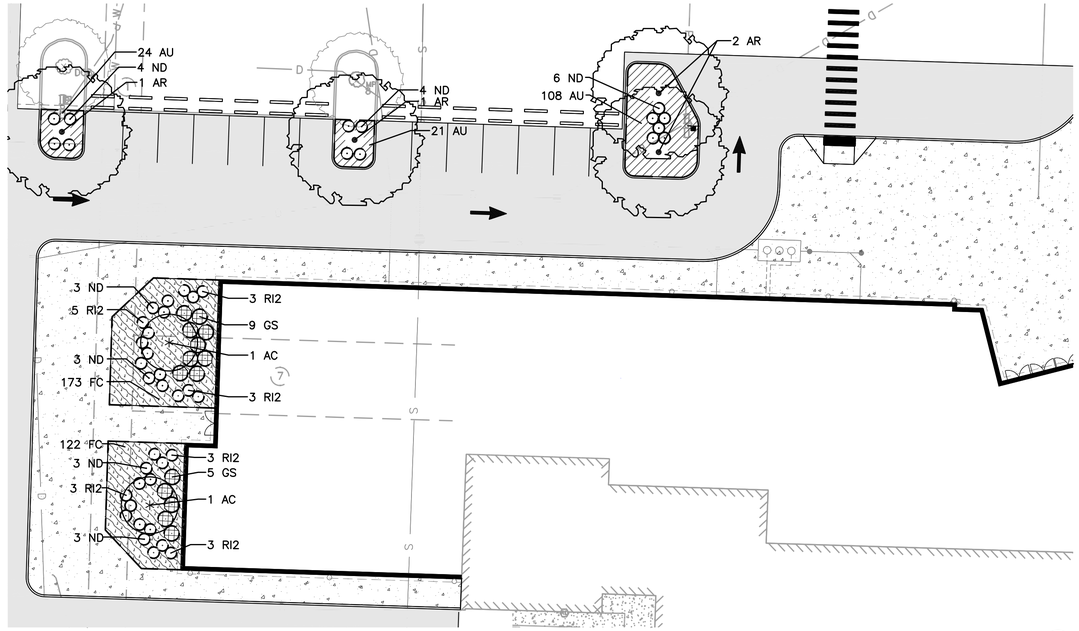
Sheet - of -

Plant Schedule

TREES	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	NATIVE/NON	DT
	AC	11	ACER CIRCINATUM	VINE MAPLE	2" CAL.	B&B	N	Y
	AR	20	ACER RUBRUM	RED MAPLE	2" CAL.	B&B	NN	N
	PC	6	PYRUS CALLERYANA 'ARISTOCRAT' TM	ARISTOCRAT FLOWERING PEAR	2" CAL.	B&B	NN	Y
SHRUBS	**CODE**	**QTY**	**BOTANICAL NAME**	**COMMON NAME**	**SIZE**	**CONTAINER**	**NATIVE/NON**	**DT**
	CS	222	CORNUS SERICEA 'KELSEYI'	KELSEYI DOGWOOD	1 GAL.	POT	NN	Y
	GS	122	GAULTHERIA SHALLON	SALAL	1 GAL.	POT	N	Y
	ND	95	NANDINA DOMESTICA 'GULF STREAM' TM	HEAVENLY BAMBOO	1 GAL.	POT	NN	Y
	PM	11	PINUS MUGO PUMILIO	DWARF MUGO PINE	1 GAL.	POT	NN	Y
	RI2	51	RHAPHIOLEPIS INDICA 'MONTO'	INDIAN PRINCESS INDIAN HAWTHORN	1 GAL.	POT	NN	Y
	VD	41	VIBURNUM DAVIDII	DAVID VIBURNUM	1 GAL.	POT	NN	Y
GROUND COVERS	**CODE**	**QTY**	**BOTANICAL NAME**	**COMMON NAME**	**SIZE**	**CONTAINER**	**NATIVE/NON**	**DT**	**SPACING**
	AU	1,892	ARCTOSTAPHYLOS UVA-URSI	KINNIKINNICK	4"	POT	N	Y	24" o.c.
	FC	2,163	FRAGARIA CHILOENSIS	BEACH STRAWBERRY	4"	POT	N	Y	24" o.c.
	GM	4,213 SF	GRASS MIX	REGENERATING PERENNIAL RYEGRAS	SEED		NN	Y	
	RC	1,842	RUBUS CALYCINOIDES	GREEN CARPET RASPBERRY	4"	POT	NN	Y	24" o.c.

Legend

KEY	NOTE
	EXISTING CONIFEROUS TREE TO REMAIN
	EXISTING DECIDUOUS TREE TO REMAIN



Area A

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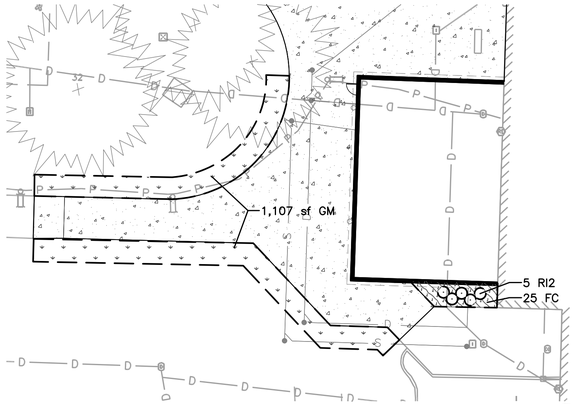
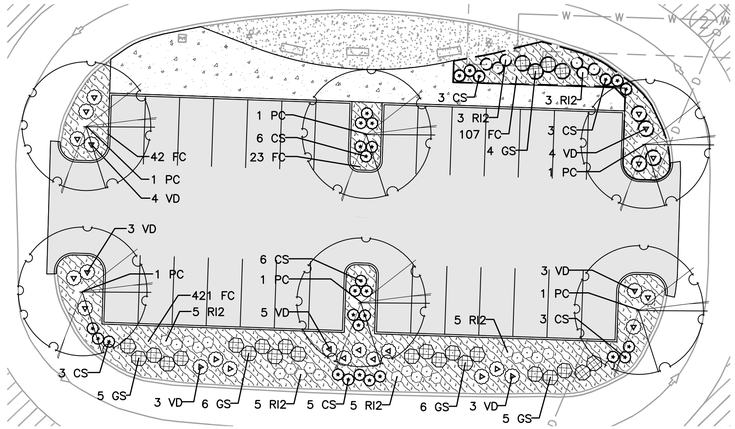


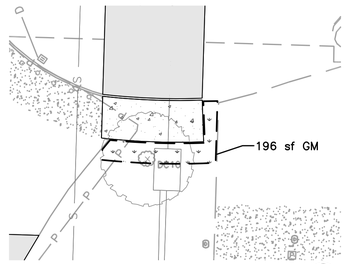
Area B

SCALE: 1" = 20'-0"



Area C

SCALE: 1" = 20'-0"



Area D

SCALE: 1" = 20'-0"

Landscape Improvements General Notes

1. ALL CONSTRUCTION SHALL COMPLY WITH THE WRITTEN SPECIFICATION SECTION(S) PERTAINING TO THE WORK SHOWN ON THESE PLANS.
2. CONTRACTOR IS REQUIRED TO VERIFY UTILITY LOCATIONS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL CALL THE UTILITIES UNDERGROUND LOCATION CENTER (1-800-424-5555) AT LEAST TWO DAYS PRIOR TO CONSTRUCTION.
3. CONTRACTOR SHALL COORDINATE ALL WORK WITH THE GENERAL CONTRACTOR. ALL CONSTRUCTION CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE GENERAL CONTRACTOR AND CONSTRUCTION OBSERVER IMMEDIATELY UPON RECOGNITION.
4. CONTRACTOR IS RESPONSIBLE FOR A THOROUGH CLEAN-UP FOR THEIR RESPECTIVE WORK, DAILY AND AT PROJECT CLOSE-OUT.
5. CONTRACTOR IS RESPONSIBLE FOR PROTECTING ALL EXISTING IMPROVEMENTS. DAMAGE TO THE EXISTING IMPROVEMENTS BY THE CONTRACTOR SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AND/OR QUALIFIED INSTALLERS/TRADES ACCEPTABLE TO THE SOLE SATISFACTION OF THE CONSTRUCTION OBSERVER AND AT NO COST TO THE OWNER.
6. PRIOR TO PLANT INSTALLATION, ALL LANDSCAPE AREAS SHALL RECEIVE SOIL TREATMENT. SEE SHEET L5.0 & L5.1 FOR SCHEDULE OF SOIL TREATMENTS. PRIOR TO TOPSOIL PLACEMENT, EXISTING GRADE SHALL BE ROLLER COMPACTED (WITH DRUM HALF-FILLED), WITH ONE INCH OF TOPSOIL SCARIFIED INTO EXISTING SOIL FIRST. SUBGRADE SHALL BE BROUGHT TO AN APPROPRIATE AND UNIFORM LINE AND GRADE, WITH NO SURFACE IRREGULARITIES SO THAT, AFTER TOPSOIL PLACEMENT, GRADE SHALL BE WITHIN 3" OF FINISH GRADE (FOR MULCH PLACEMENT).
7. MEDIUM GRADE BARK MULCH SHALL BE INSTALLED TO A DEPTH OF 3" IN ALL PLANTING BEDS. WATERING BERMS AROUND PLANTS SHALL BE HAND COMPACTED AND OF A SMOOTH AND EVEN GRADE PRIOR TO MULCH PLACEMENT. MULCH SHALL BE WATER COMPACTED UPON PLACEMENT.
8. PLANT MATERIALS SHALL MEET STANDARDS SET FORTH IN THE LATEST EDITION OF THE AMERICAN ASSOCIATION OF NURSERYMEN STANDARD (ANSI 260.1-1986) AND WASHINGTON STATE STANDARDS FOR NURSERY STOCK ORDER NO. 1627. ALL PLANT MATERIALS SHALL HAVE SUFFICIENT ROOT DEVELOPMENT TO ASSURE SURVIVAL AND HEALTHY GROWTH. CONTAINER GROWN PLANT MATERIALS ARE REQUIRED TO HAVE SUFFICIENT ROOT GROWTH TO HOLD THE SOIL INTACT WHEN REMOVED FROM THE CONTAINER, BUT SHALL NOT BE ROOT BOUND.
9. ALL PLANTING PITS SHALL BE BACKFILLED WITH A MIX OF 1/3 FINE COMPOST PER WSDOT STD. 9-14.4(8), AND 2/3 TOPSOIL TYPE A.
10. NITROGEN SOURCE SHALL BE ISOBUTYLENE DIUREA. FOR PLANTS, ONE CUP (FOUR OUNCES-VOLUME) OF FERTILIZER SHALL BE EVENLY DISTRIBUTED AROUND THE INSIDE WATER BERM FOR EVERY SHRUB AND GROUNDCOVER PLANT, AND TWO CUPS SHALL BE APPLIED TO EVERY TREE. FERTILIZER APPLICATION SHALL OCCUR PRIOR TO FINISH DRESSING INSTALLATION, AND SHALL BE INCIDENTAL TO PLANT MATERIAL AND PAY ITEMS.
11. NO SUBSTITUTIONS WILL BE CONSIDERED FOR PLANTS OR OTHER MATERIALS DURING THE BIDDING PROCESS.
12. OWNER SHALL ASSUME ALL RESPONSIBILITY FOR MAINTAINING LANDSCAPE AND IRRIGATION IMPROVEMENTS FOR THE LIFE OF THIS PROJECT. CONTRACTOR SHALL WARRANTY TREES, SHRUBS AND GROUNDCOVERS FOR A PERIOD OF ONE YEAR AFTER SUBSTANTIAL COMPLETION OF INSTALLATION.

Olympia High School Addition / Modification

Olympia School District
Olympia, WA

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PERMIT SET

PROJECT NO. 17055
DRAWING
DESIGNED BY DR
DRAWN BY
CHECKED BY

REVISION

DATE	CHANGE

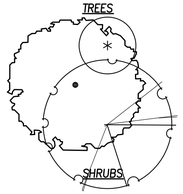
DATE: JANUARY 14, 2019

Landscape Plan

L6.0

Sheet - of -

Plant Schedule



TREES	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	NATIVE/NON	DT
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	AR	20	ACER RUBRUM	RED MAPLE	2" CAL.	B&B	NN	N
	PC	6	PYRUS CALLERYANA 'ARISTOCRAT' TM	ARISTOCRAT FLOWERING PEAR	2" CAL.	B&B	NN	Y
SHRUBS	**CODE**	**QTY**	**BOTANICAL NAME**	**COMMON NAME**	**SIZE**	**CONTAINER**	**NATIVE/NON**	**DT**
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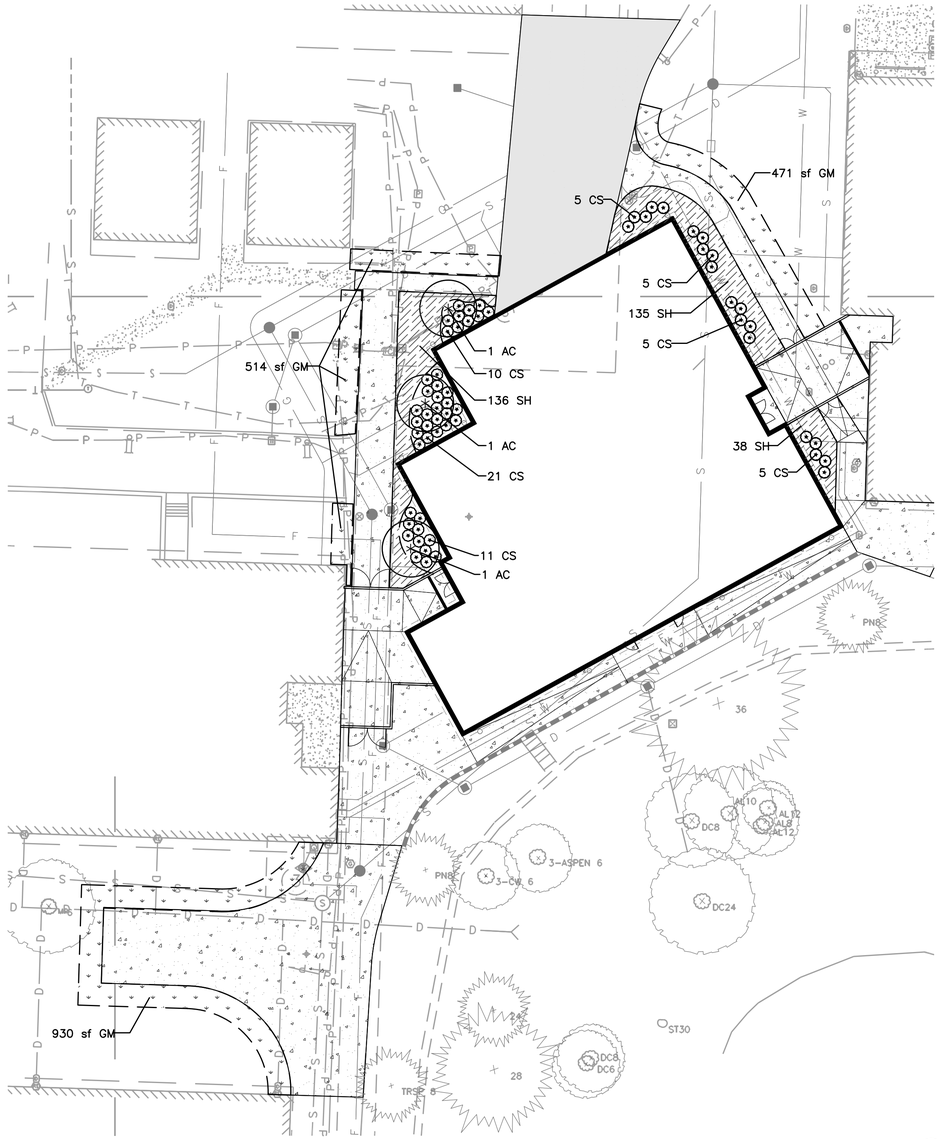
	GS	122	GAULTHERIA SHALLON	SALAL	1 GAL.	POT	N	Y
	ND	95	NANDINA DOMESTICA 'GULF STREAM' TM	HEAVENLY BAMBOO	1 GAL.	POT	NN	Y
	PM	11	PINUS MUGO PUMILIO	DWARF MUGO PINE	1 GAL.	POT	NN	Y

SIZE	CONTAINER	NATIVE/NON	DT	DETAIL	REMARKS				
	RI2	51	RHAPHIOLEPIS INDICA 'MONTO'	INDIAN PRINCESS INDIAN HAWTHORN		1 GAL.	POT	NN	Y
	VD	41	VIBURNUM DAVIDII	DAVID VIBURNUM		1 GAL.	POT	NN	Y

GROUND COVERS	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	NATIVE/NON	DT	SPACING
	AU	1,892	ARCTOSTAPHYLOS UVA-URSI	KINNIKINNICK	4"	POT	N	Y	24" o.c.
	FC	2,163	FRAGARIA CHILOENSIS	BEACH STRAWBERRY	4"	POT	N	Y	24" o.c.
	GM	4,213 SF	GRASS MIX	REGENERATING PERENNIAL RYEGRAS	SEED		NN	Y	
	RC	1,842	RUBUS CALYCINOIDES	GREEN CARPET RASPBERRY	4"	POT	NN	Y	24" o.c.
	SH	309	SARCOCOCCA HOOKERIANA HUMILIS	SWEET BOX	4"	POT	NN	Y	24" o.c.

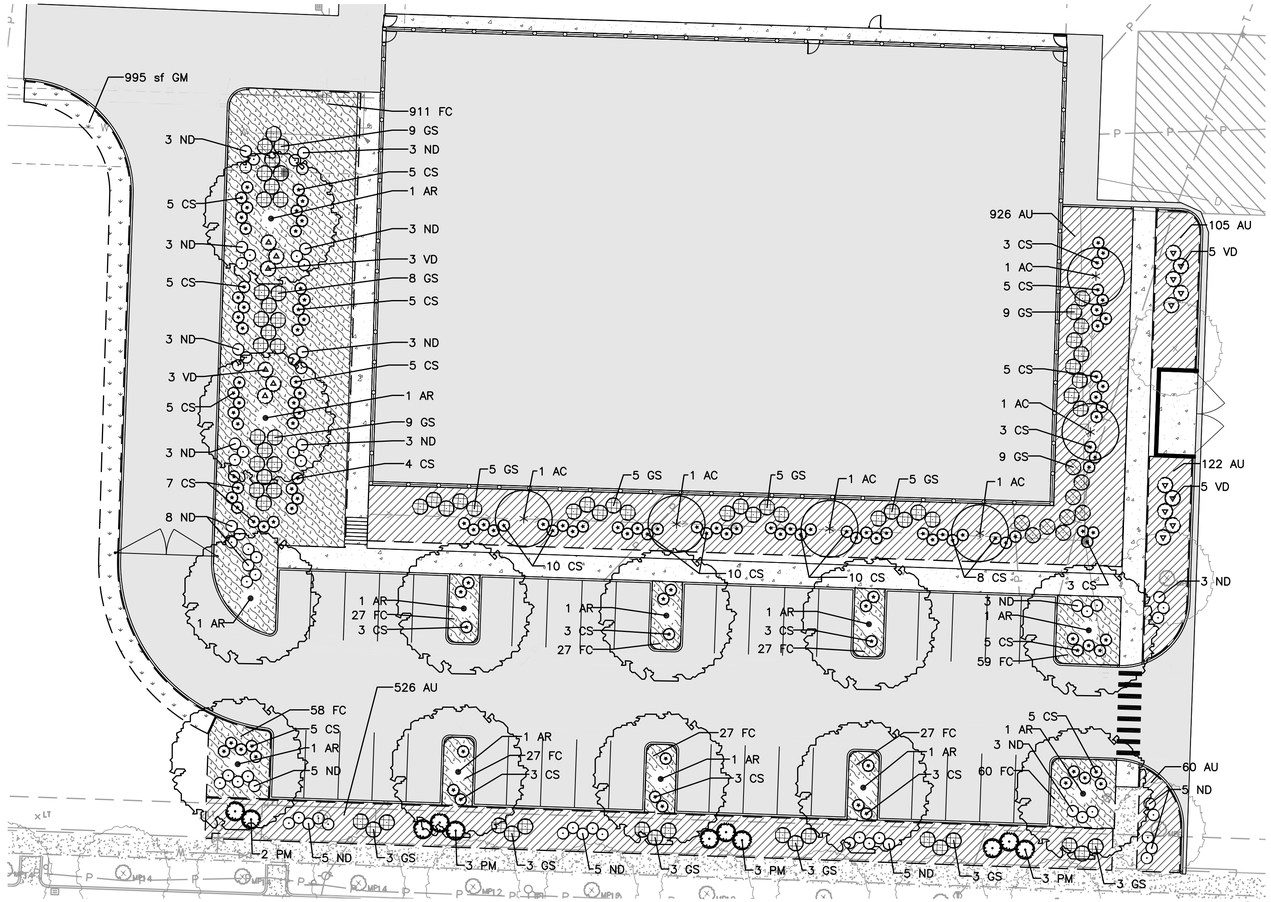
Legend

KEY	NOTE
	EXISTING CONIFEROUS TREE TO REMAIN
	EXISTING DECIDUOUS TREE TO REMAIN



Area E & F

SCALE: 1" = 20'-0"



Area G

SCALE: 1" = 20'-0"

Olympia High School Addition / Modification

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Olympia, WA

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STATE OF WASHINGTON
ROBERT W. DROLL
#2,598 EXP. 6/30/2019
LANDSCAPE ARCHITECT

PERMIT SET

PROJECT NO. 17055
DRAWING
DESIGNED BY DR
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CHECKED BY

REVISION

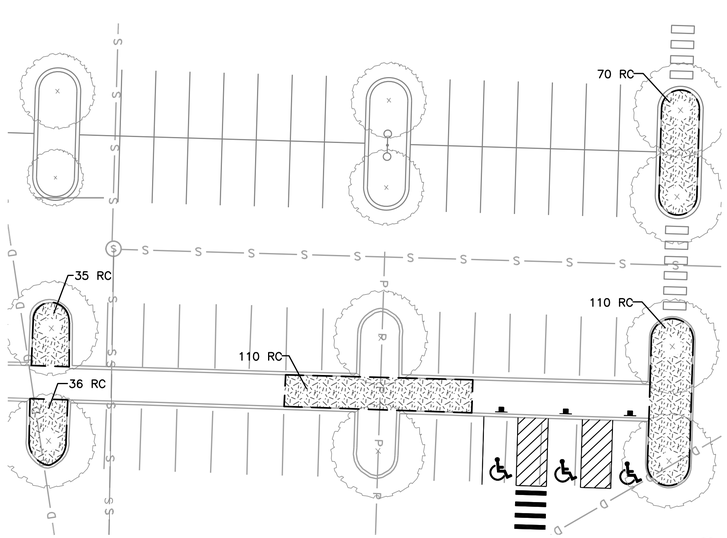
DATE	CHANGE

DATE: JANUARY 14, 2019

Landscape Plan

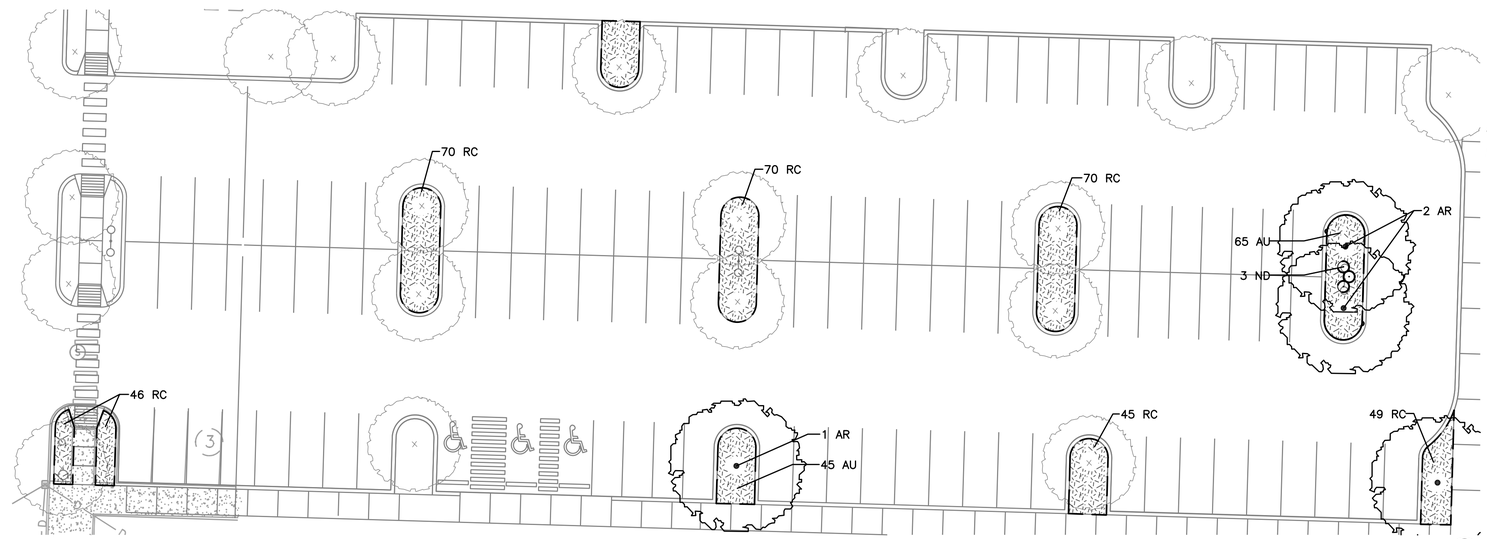
L6.1

Sheet - of -



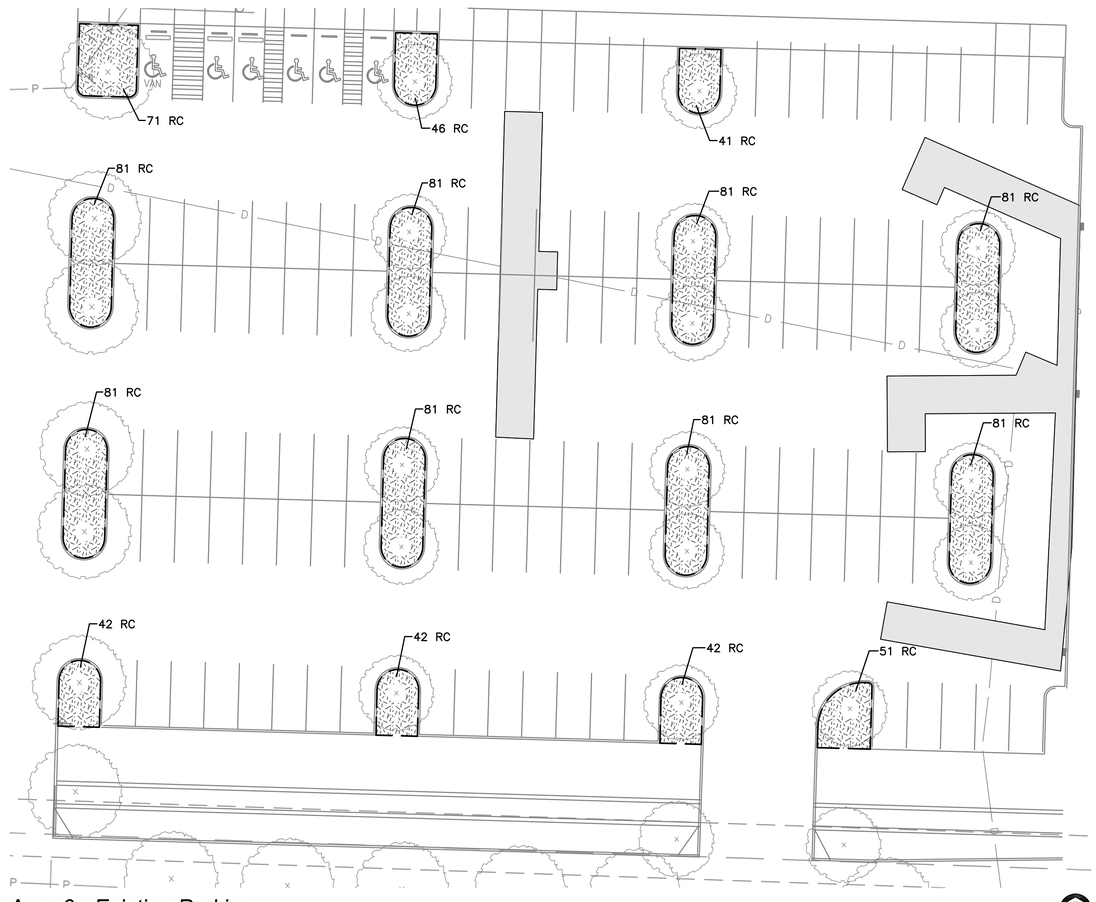
Area 1 - Existing Parking

SCALE: 1" = 20'-0"



Area 2 - Existing Parking

SCALE: 1" = 20'-0"



Area 3 - Existing Parking

SCALE: 1" = 20'-0"

Plant Schedule

TREES	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	NATIVE/NON	DT
	AC	11	ACER CIRCINATUM	VINE MAPLE	2" CAL.	B&B	N	Y
	AR	20	ACER RUBRUM	RED MAPLE	2" CAL.	B&B	NN	N
	PC	6	PYRUS CALLERYANA 'ARISTOCRAT' TM	ARISTOCRAT FLOWERING PEAR	2" CAL.	B&B	NN	Y

SHRUBS	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	NATIVE/NON	DT
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	GS	122	GAULTHERIA SHALLON	SALAL	1 GAL.	POT	N	Y
	ND	95	NANDINA DOMESTICA 'GULF STREAM' TM	HEAVENLY BAMBOO	1 GAL.	POT	NN	Y
	PM	11	PINUS MUGO PUMILIO	DWARF MUGO PINE	1 GAL.	POT	NN	Y
	RI2	51	RHAPHIOLEPIS INDICA 'MONTO'	INDIAN PRINCESS INDIAN HAWTHORN	1 GAL.	POT	NN	Y
	VD	41	VIBURNUM DAVIDII	DAVID VIBURNUM	1 GAL.	POT	NN	Y

GROUND COVERS	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	NATIVE/NON	DT	SPACING
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	FC	2,163	FRAGARIA CHILOENSIS	BEACH STRAWBERRY	4"	POT	N	Y	24" o.c.
	GM	4,213 SF	GRASS MIX	REGENERATING PERENNIAL RYEGRAS	SEED		NN	Y	
	RC	1,842	RUBUS CALYCINOIDES	GREEN CARPET RASPBERRY	4"	POT	NN	Y	24" o.c.
	SH	309	SARCOCOCCA HOOKERIANA HUMILIS	SWEET BOX	4"	POT	NN	Y	24" o.c.

Legend

KEY	NOTE
	EXISTING CONIFEROUS TREE TO REMAIN
	EXISTING DECIDUOUS TREE TO REMAIN

Note

ALL PLANS SHOWN ON THIS SHEET, L6.2, ARE OF EXISTING PARKING LOT TO REMAIN. ADDITIONAL PLANTING IN PARKING LOT LANDSCAPE IS REQUIRED TO MEET CITY CODE.

Olympia High School Addition / Modification

Olympia School District
Olympia, WA

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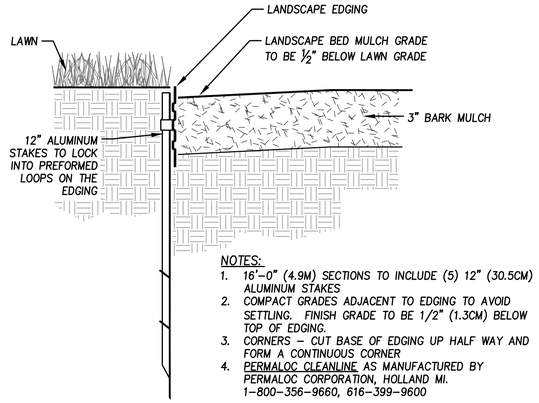
Landscape Plan

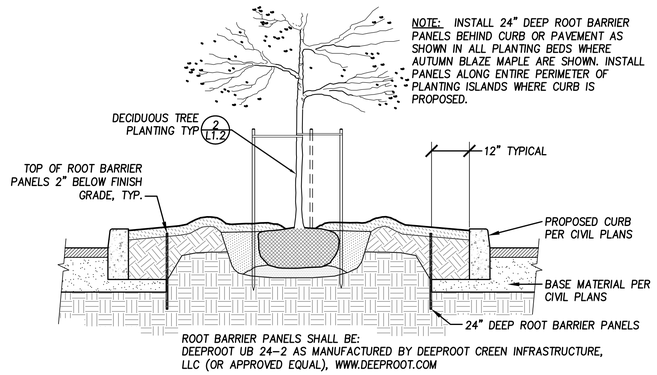
L6.2

Sheet - of -



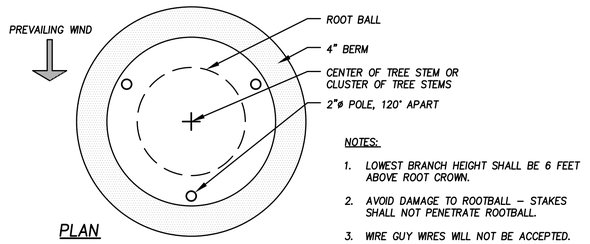
1 L6.3 **Landscape Edging**

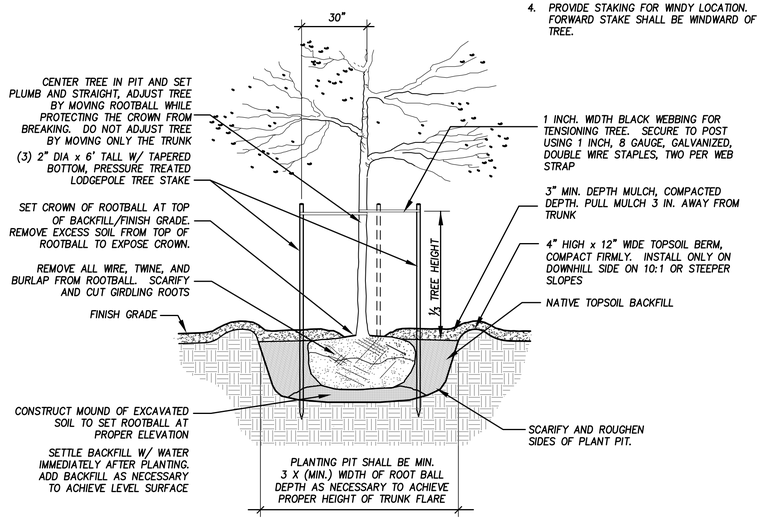
NOT TO SCALE



2 L6.3 **Root Barrier**

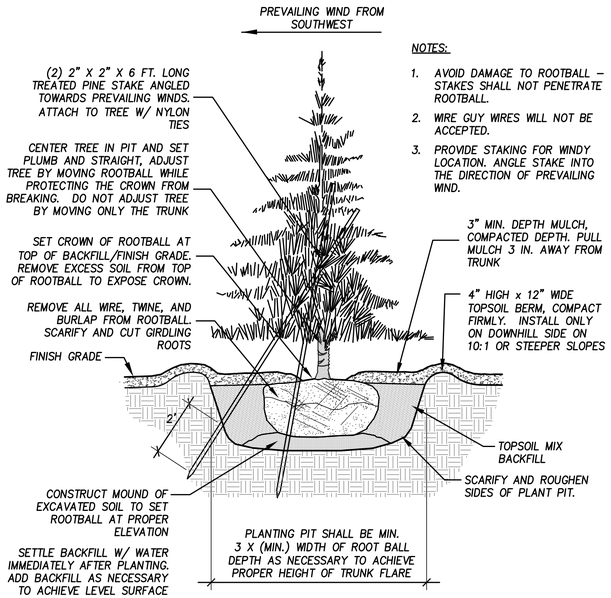
NOT TO SCALE





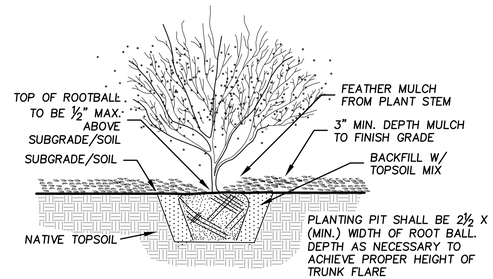
3 L6.3 **Deciduous Tree Planting**

NOT TO SCALE



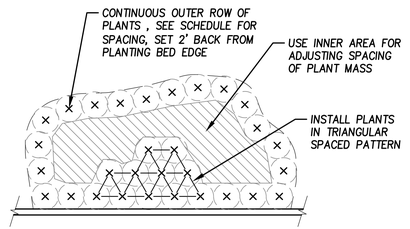
4 L6.3 **Coniferous Tree Planting**

NOT TO SCALE



5 L6.3 **Shrub and Groundcover Planting**

NOT TO SCALE



6 L6.3 **Low Shrub and Groundcover Plant Spacing**

NOT TO SCALE

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REVISION

DATE	CHANGE

DATE: JANUARY 14, 2019

Landscape Details

L6.3

Sheet - of -

OHS ADDITION / MODIFICATION LANDSCAPE CODE COMPLIANCE ASSESSMENT AND ALTERNATIVE LANDSCAPE PLAN SUMMARY
November 20, 2018

As a part of the Olympia High School Addition / Modification project, the Olympia School District will identify and correct specific areas on the Olympia High School campus that do not meet the spirit and intent of the Olympia Municipal Code.

Tree Density (16.60.080)

The tree density report, provided by Sound Urban Forestry, indicates that the Olympia High School parcel will surpasses the tree density requirement after the OHS Addition / Modification project is complete. Any additional trees installed will be to meet other Olympia Municipal Codes or for functional use.

Section 2 Tree Density Calculations

As stated in the pre-submission worksheet dated 7/06/18, the tree density units presented in the 2016 Pioneer Elementary Level IV Tree Plan can be used for this report.

Size of Parcel = 52.35-acres

Required Tree Units (52.35 x 30) = 1,570

Total Units within Parcel (as of report dated 8/4/16) = 2,744

Units Proposed for Removal = 79

Units to Remain within Parcel = 2,665

This parcel will remain above the minimum tree density

Street Trees

The existing street trees along Carlyon Ave SE and North Street SE were installed as a part of the prior OHS frontage improvements and required a Soil Vegetation Plan (16.60.050). The existing street trees provide a buffer to separate pedestrians from traffic lanes and exhibit a form, size, and distribution in line with the City of Olympia Master Street Tree Plan. These trees also create a visual buffer to screen the OHS campus from the street.

North of Campus

South of Campus

Perimeter Landscaping (18.36.060-L)

Olympia High School must meet the requirements of a Type III Visual Buffer. The existing street trees and perimeter planting at Olympia High School creates a visual separation of the viewer from the campus interior and serves to render the parking lots and buildings visually subordinate to the plant material. Existing plant materials has been installed along parking lots and driving isles that are visible from users on the road. The existing perimeter landscaping acts as a natural stormwater management system and improves the aesthetics and environmental conditions within Olympia.

One location that does not meet the requirements of a Type III Visual Buffer is located along North Street SE to the East of the existing grass field. This location will be demolished and reconstructed as a part of the OHS Addition / Modification project and will meet the existing requirements once completed.

Interior Parking Lot Landscaping (18.36.180-C)

The existing parking lot landscape islands are planted with deciduous trees, a mix of deciduous and evergreen shrubs, and evergreen ground cover. The existing plant material provides clear lines of sight and minimize obstructions to visibility through the parking lot. The existing tree canopies within the parking lot help insulate the air during the winter and reduce the heat island effect during the summer. The existing tree canopy also reducing the amount of stormwater runoff generated per rain event. The existing plantings in the landscape islands have reached beyond 80% coverage from the growth of the shrubs and ground cover.

RWD has identified an area west of the bus loading zone where two parking lot landscape islands lack any plant material. These two landscape islands will be planted with trees, shrubs, and ground cover to match the surrounding parking lot landscape island plant material. Additional landscape islands throughout the OHS campus that do not meet the plant coverage requirement and will be corrected in the proposed landscape plans produced by RWD.