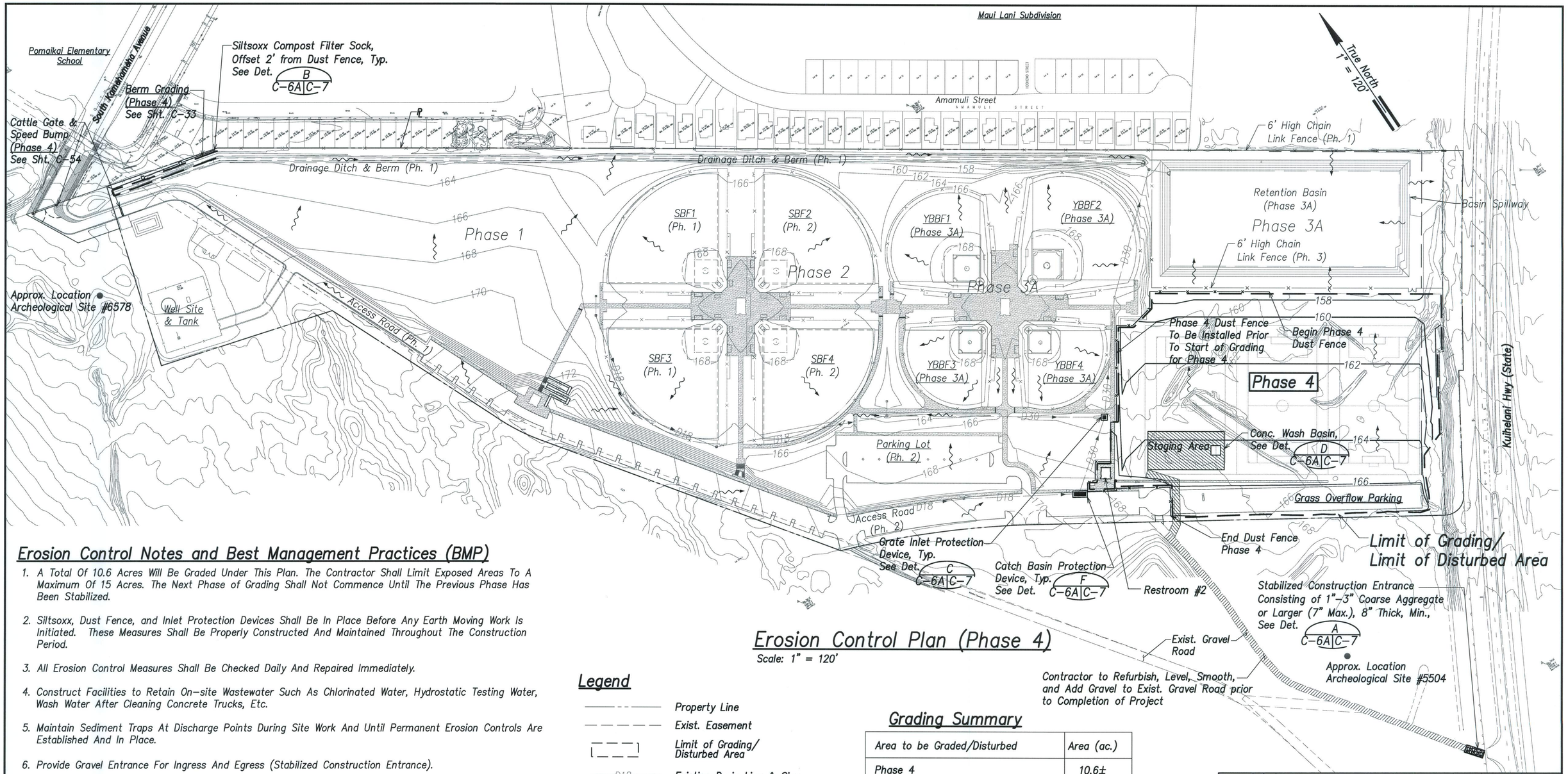

Erosion Control Plan (Phase 4)

Scale: 1" = 120'

Erosion Control Notes and Best Management Practices (BMP)

1. A Total Of 10.6 Acres Will Be Graded Under This Plan. The Contractor Shall Limit Exposed Areas To A Maximum Of 15 Acres. The Next Phase of Grading Shall Not Commence Until The Previous Phase Has Been Stabilized.
2. Siltsoxx, Dust Fence, and Inlet Protection Devices Shall Be In Place Before Any Earth Moving Work Is Initiated. These Measures Shall Be Properly Constructed And Maintained Throughout The Construction Period.
3. All Erosion Control Measures Shall Be Checked Daily And Repaired Immediately.
4. Construct Facilities to Retain On-site Wastewater Such As Chlorinated Water, Hydrostatic Testing Water, Wash Water After Cleaning Concrete Trucks, Etc.
5. Maintain Sediment Traps At Discharge Points During Site Work And Until Permanent Erosion Controls Are Established And In Place.
6. Provide Gravel Entrance For Ingress And Egress (Stabilized Construction Entrance).
7. Pre-construction Vegetative Ground Cover Shall Not Be Destroyed, Removed Or Disturbed More Than Twenty (20) Calendar Days Prior To Site Disturbance.
8. Temporary Soil Stabilization Using Hydromulch With Grass Seed Or Appropriate Vegetation Shall Be Applied On Areas That Will Remain Unfinished. Areas Not Disturbed For 21 Days Must Be Stabilized Within 14 Days.
9. Permanent Soil Stabilization With Perennial Vegetation Shall Be Applied As Soon As Practical After Final Grading In Accordance With The Landscaping Plans.
10. Storm Water Flowing Toward The Construction Area Shall Be Diverted By Using Berms Or Swales Toward The Sediment Basin.
11. Temporary Irrigation And Maintenance Shall Be Provided For A 90 Day Period To Establish Vegetation.

Legend

- Property Line
- Exist. Easement
- Limit of Grading/ Disturbed Area
- D18 — Existing Drain Line & Size
- 168 — Exist. Minor Contour
- 170 — Exist. Major Contour
- 168 — Finish Minor Contour
- 170 — Finish Major Contour
- Stabilized Entrance
- Catch Basin Inlet Protection Device
- Drain Inlet Protection Device
- Compost Filter Sock
- Dust Fence

Grading Summary

Area to be Graded/Disturbed	Area (ac.)
Phase 4 (Incl. Soccer Fields 1-3, Restroom #2 Overflow Parking Lot, Berm)	10.6±

Graphic Scale: 1" = 120' 120 60 0' 120 240 Scale In Feet

REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
1	1	ADD 2: New Sheet	6/19	8/26/16	

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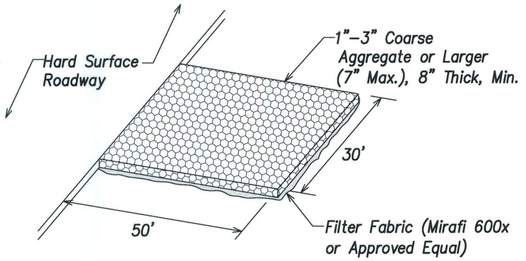
STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
ENGINEERING DIVISION

CENTRAL MAUI REGIONAL SPORTS COMPLEX
PHASE 4
WAILUKU, MAUI, HAWAII

EROSION CONTROL PLAN – 2

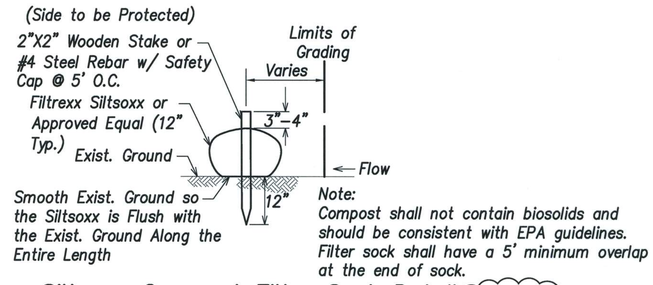
DESIGNED:	GR/NN/JP	SUBMITTED:	--
DRAWN:	GR/NN/JP	DATE:	AUGUST 2016
CHECKED:	GTR	SCALE:	AS SHOWN
APPROVED: CHIEF ENGINEER		AUG 2 6 2016 DATE	DRAWING NO. C-6A

JOB NO. F93C817E



Stabilized Construction Entrance
Not to Scale

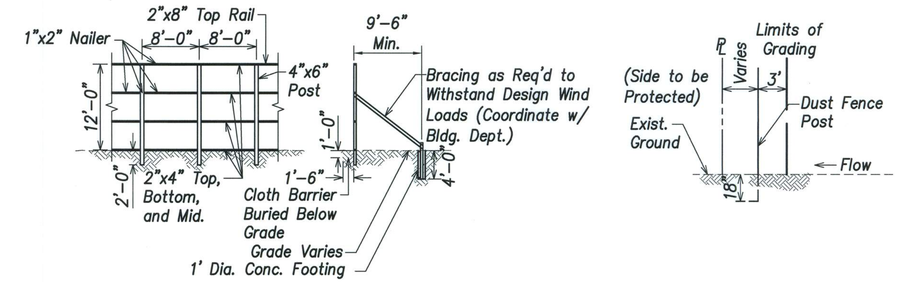
A
C–6A|C–7



Note:
Compost shall not contain biosolids and should be consistent with EPA guidelines. Filter sock shall have a 5' minimum overlap at the end of sock.

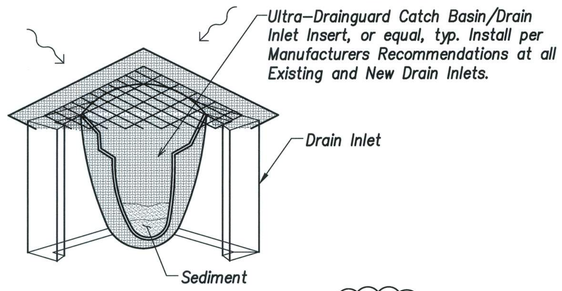
Siltsoxx Compost Filter Sock Detail
Not to Scale

B
C–6A|C–7



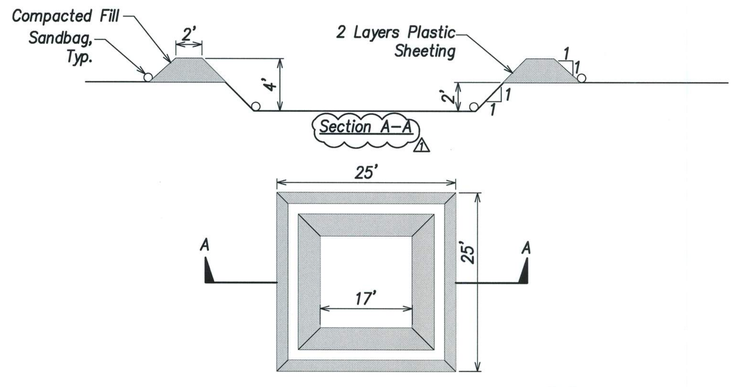
Dust Fence Detail
Not to Scale

E
C–6A|C–7



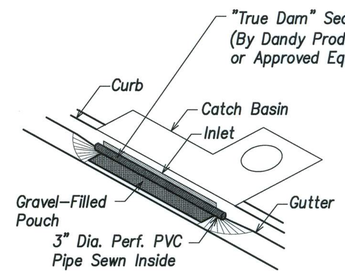
Grate Inlet Protection
Not to Scale

C
C–6A|C–7



Concrete Wash Basin Detail
Not to Scale

D
C–6A|C–7



Notes:

1. Construct Catch Basin Inlet Protection as shown on Erosion Control Plan.
2. The Contractor shall clean catch basins and sediment filter weekly.
3. The Contractor shall remove the sediment filters during above normal rainfall events.

Catch Basin Inlet Protection
Not to Scale

F
C–6A|C–7

REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
1	1	ADD 2: Rev. Callout	7/19	8/26/16	

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STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
ENGINEERING DIVISION

CENTRAL MAUI REGIONAL SPORTS COMPLEX
PHASE 4
WAILUKU, MAUI, HAWAII

EROSION CONTROL DETAILS

DESIGNED: GR/NN/JP	SUBMITTED: --
DRAWN: GR/NN/JP	DATE: AUGUST 2016
CHECKED: GTR	SCALE: AS SHOWN
APPROVED: CHIEF ENGINEER	AUG 2 6 2016 DATE

DRAWING NO. C-7

Lot 54 TMK: 3-8-090: 054
Lot 53 TMK: 3-8-090: 053
Lot 52 TMK: 3-8-090: 052
Lot 51 TMK: 3-8-090: 051
Lot 50 TMK: 3-8-090: 050
Lot 49 TMK: 3-8-090: 049
Lot 48 TMK: 3-8-090: 048
Lot 11-C-2 TMK: 3-8-007: 159

True North
1" = 40'

Exist. Chain Link Fence

Conn. to Exist. Fence

Match Line: See Sheet C-18

D30

Youth Baseball Field #2

D30

Retention Basin
(Ph. 3)

6' High Chain Link Fence
1' o/s from ℄
(Phase 4)

H I G H W A Y

℄

Conn. to Exist. Fence

Exist. Chain Link Fence

15'

Phase 4

Project Limit

6' High Chain Link Fence
1' o/s from ℄
(Phase 4)

15+00

16+00

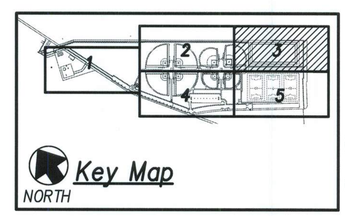
Match Line: See Sheet C-21

Legend

- Property Line
- Exist. Easement
- Project Limit
- Concrete Walkway

Site Plan – 3

Scale: 1" = 40'



Graphic Scales:

1" = 40' 40' 20' 0' 40' 80'

1" = 20' 20' 10' 0' 20' 40'

Scales In Feet

REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
1	1	ADD 2: New Sheet. Rev. Fence Callouts	8/19	8/26/16	

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STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
ENGINEERING DIVISION

CENTRAL MAUI REGIONAL SPORTS COMPLEX
PHASE 4
WAILUKU, MAUI, HAWAII

SITE PLAN – 3

DESIGNED: GR/NN/JP	SUBMITTED: --
DRAWN: GR/NN/JP	DATE: AUGUST 2016
CHECKED: GTR	SCALE: AS SHOWN
APPROVED: CHIEF ENGINEER	AUG 2 6 2016 DATE

DRAWING NO. C-19

JOB NO. F93C817E

Match Line: See Sheet C-18

720'

240'

30'

30'

30'

390'

Phasing Limit Between Phase 3 and Phase 4

Soccer Field #3

Soccer Field #2

Soccer Field #1

Grassed Area See Landscape Dwgs

Phase 4

Connect to Exist. Walkway See Detail Sht. C-55, Typ.

R=16'

10' Conc. Walkway

℄ Walkway "F"

℄ Walkway "F" Sta. 4+18.98 o/s 5' RT. Corner of Restroom 2

℄ Walkway "G" Sta. 0+85 o/s 18' LT. Corner of Soccer Field #3

115.6'

34°00'00"

35.33'

80'

10'

10'

9'

8'

49.67'

6'

12'

19' (℄ 5' Walkway to Back of Exist. Sidewalk)

℄ Walkway "G"

18'

5' Walkway

℄ Walkway "F" Sta. 4+55 = ℄ Walkway "G" Sta. 0+00

℄ "F" Sta. 4+74.23 End Walkway "F"

℄ Walkway "G" Sta. 5+65 End Walkway "G"

Connect to Exist. Walkway See Sht. C-55

Grassed Overflow Parking See Landscape Dwgs

℄

Project Limit

Exist. Gravel Road For Emergency Access

R/W

℄

6' High Chain Link Fence

Lot 12-A-5

Easement 1-2

Lot 12-A-4

True North 1" = 40'

Legend

- Property Line
- Exist. Easement
- Project Limit
- Concrete Walkway

Site Plan – 5

Scale: 1" = 40'

Key Map

NORTH

1" = 40'

Graphic Scale: 40' 20' 0' 40' 80'

Scale In Feet

REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
1	1	ADD 2: New Sheet. Rev. and Add Callouts	9/19	8/26/16	

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STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
ENGINEERING DIVISION

CENTRAL MAUI REGIONAL SPORTS COMPLEX
PHASE 4
WAILUKU, MAUI, HAWAII

SITE PLAN – 5

DESIGNED: GR/NN/JP	SUBMITTED: --
DRAWN: GR/NN/JP	DATE: AUGUST 2016
CHECKED: GTR	SCALE: AS SHOWN
APPROVED: CHIEF ENGINEER	AUG 2 6 2016 DATE

DRAWING NO. C-21

JOB NO. F93C817E

SHEET NO.10 OF 56 SHEETS

Phasing Limit Between Phase 3 and Phase 4

Phase 3

Phase 4

℄ "A" Sta. 31+26.61
O/S 50' LT.
Sewer Pump #3
EONE Model DH152-93
or Approved Equal
Remove Caps and Conn. Sewer Pump to E/S4 & E/SFM 1¼"
5 LF 4" Pipe
Top = 168.54
Inv = 163.74 (S4)
Inv = 165.00 (SFM 1¼")
Contractor to Verify Location of S4 and SFM 1¼" and Adjust Accordingly

Restroom #2
See Architect and Structural Dwgs

D30

W4

SFM 1¼"

S4

15+00

16+00

Lot 12-A-3

Lot 12-A-4

Easement A-2

K U E H E L A N I

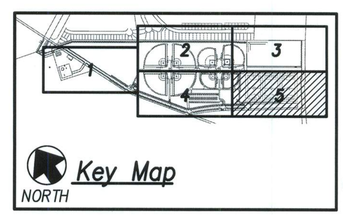
True North
1" = 40'

Legend

- Property Line
- Exist. Easement
- Project Limit

Utility Plan – 5

Scale: 1" = 40'



1" = 40'

Graphic Scale:
40' 20' 0' 40' 80'
Scale In Feet

REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
1	1	ADD 2: New Sheet. Rev. and Add Callouts	10/19	8/26/16	

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STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
ENGINEERING DIVISION

CENTRAL MAUI REGIONAL SPORTS COMPLEX
PHASE 4
WAILUKU, MAUI, HAWAII

UTILITY PLAN – 5

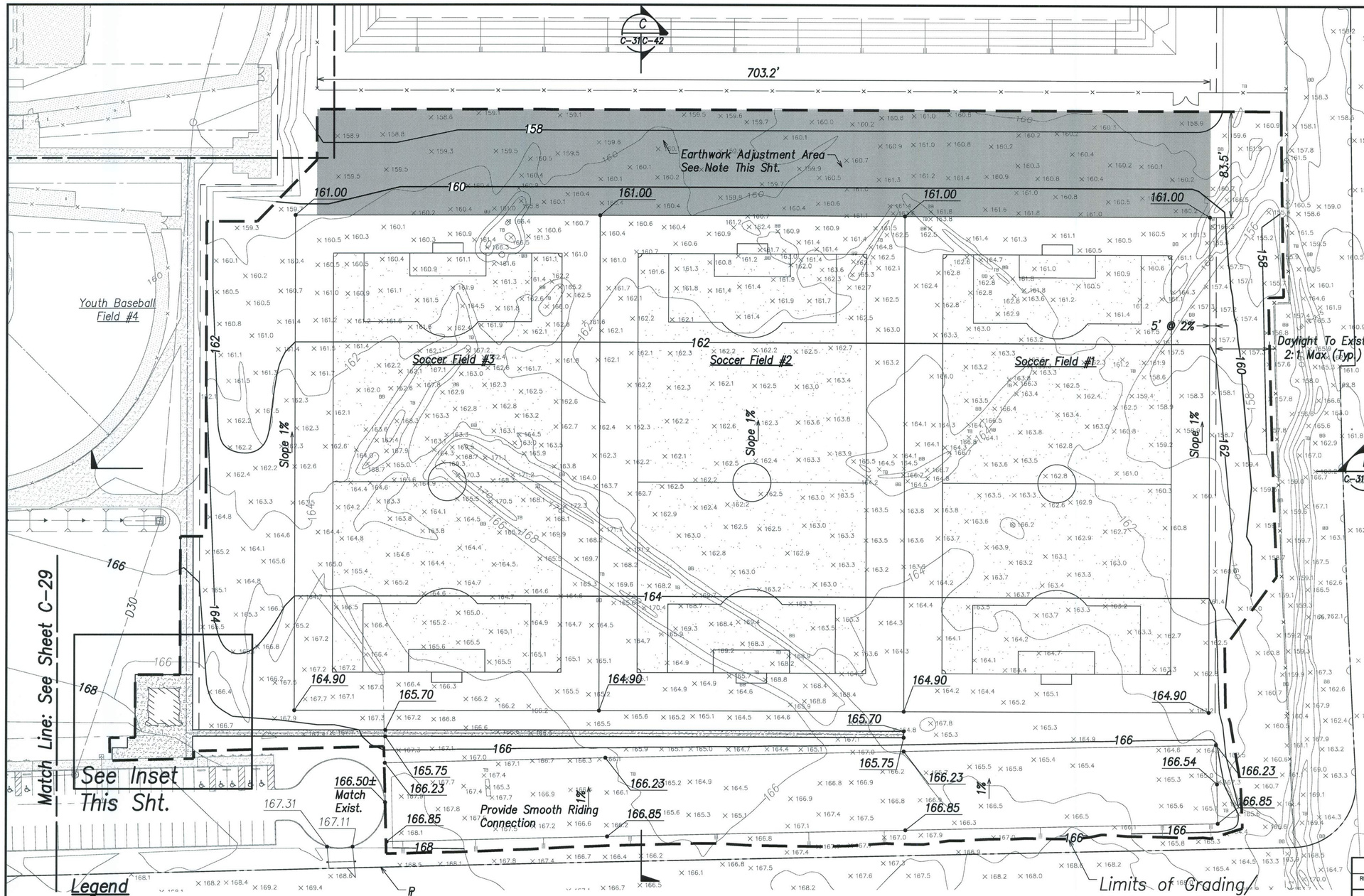
DESIGNED: GR/NN/JP	SUBMITTED: --
DRAWN: GR/NN/JP	DATE: AUGUST 2016
CHECKED: GTR	SCALE: AS SHOWN

APPROVED: CHIEF ENGINEER — AUG 2 6 2016 DATE

DRAWING NO. C-26

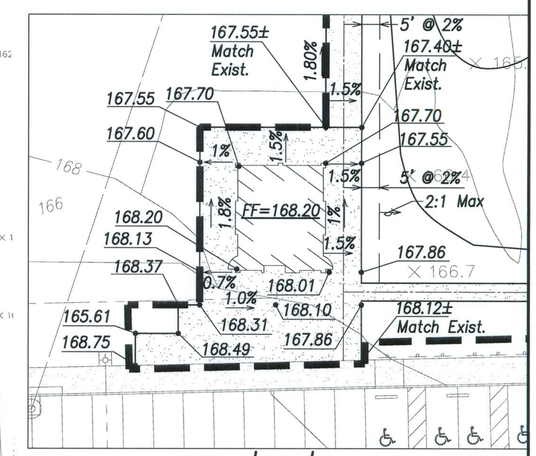
JOB NO. F93C817E

SHEET NO.11 OF 56 SHEETS



Earthwork Adjustment Note:

To Balance The Earthwork Onsite, The Contractor May Adjust The Finish Grade In The Hatched Area. A Minimum 1% Slope And Maximum 2:1 Slope Shall Be Maintained Toward The Retention Basin. This Effort Shall Be Considered Incidental To The Contract Lump Sum Earthwork Pay Item. No Additional Compensation Will Be Allowed.



Inset

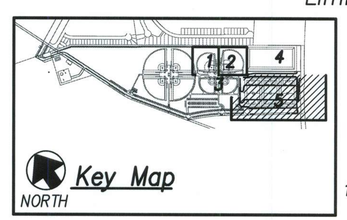
Scale: 1" = 20'

Legend

	Property Line	180	Exist. Contour
	Exist. Easement	180	Finished Contour
	Grading Limit		Top Bank
	Concrete Walkway		Bottom Bank
D18	Drain Line & Size	Y Y Y	Slope
D18	Existing Drain Line & Size	FF=166	Finish Floor Elevation
× 157.5	Existing Spot Elevation and Location	165.36	Finish Spot Elevation

Grading Plan – 5

Scale: 1" = 40'



Graphic Scale:

1" = 40' 40' 20' 0' 40' 80

Scales In Feet

REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
1	1	ADD 2: New Sheet, Rev. Spot Elev., Add Sections	11/19	8/26/16	

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STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
ENGINEERING DIVISION

CENTRAL MAUI REGIONAL SPORTS COMPLEX
PHASE 4
WAILUKU, MAUI, HAWAII

GRADING PLAN – 5

DESIGNED: GR/NN/JP	SUBMITTED: --
DRAWN: GR/NN/JP	DATE: AUGUST 2016
CHECKED: GTR	SCALE: AS SHOWN
APPROVED: CHIEF ENGINEER	AUG 2 6 2016 DATE
	DRAWING NO. C-31

JOB NO. F93C817E