

CITY OF MORGAN HILL GENERAL NOTES:

1. TEMPORARY BENCH MARK - BASED ON A CITY APPROVED BENCHMARK AS SHOWN ON THESE PLANS.
2. ALL EXISTING ELEVATIONS SHALL BE FIELD VERIFIED BY CONTRACTOR UNLESS OTHERWISE NOTED.
3. ALL SURVEY MONUMENTS SHALL BE INSTALLED AT LOCATIONS SHOWN ON THE CORRESPONDING FINAL MAP BEFORE ACCEPTANCE OF THE DRAWING.
4. CONTRACTOR SHALL NOT DESTROY EXISTING PERMANENT SURVEY MONUMENTS.
5. ALL WORK SHALL CONFORM TO THE LATEST EDITION OF THE CITY OF MORGAN HILL STANDARD DETAILS FOR CONSTRUCTION WHICH ARE HEREBY MADE A PART OF THESE PLANS. DEVIATIONS FROM THE STANDARD DETAILS MUST BE APPROVED BY THE CITY ENGINEER.
6. ANY CONSTRUCTION AN ENCRUMPTMENT PERMIT SHALL BE OBTAINED FROM THE PUBLIC WORKS DEPARTMENT UPON COMPLETION OF SAID MEETING AND PRIOR TO CONSTRUCTION OF ANY IMPROVEMENTS WITHIN AN EXISTING OR OFFERED FOR DEDICATION RIGHT-OF-WAY, PUBLIC UTILITY EASEMENT OR PUBLIC SERVICE EASEMENT.
7. A GRADING PERMIT SHALL BE OBTAINED FROM THE CITY OF MORGAN HILL BUILDING DIVISION PRIOR TO ANY GRADING OF BUILDING PADS. APPLICANT FOR THE GRADING PERMIT SHALL PROVIDE A PLAN REVIEW LETTER FROM THE SOILS ENGINEER. A GRADING PERMIT DOES NOT GIVE CONTRACTOR PERMISSION TO COMMENCE OFFSITE (STREET) GRADING, ONLY UPON CITY APPROVAL OF THE IMPROVEMENT PLANS AND COMPLETION OF A PRECONSTRUCTION MEETING, SHALL CONTRACTOR COMMENCE OFF-SITE GRADING.
8. CONTRACTOR SHALL NOTIFY THE PUBLIC WORKS DEPARTMENT 48 HOURS PRIOR TO COMMENCEMENT OF ANY WORK PHASE. AT THAT TIME AN "INSPECTION REQUEST FORM" SHALL BE COMPLETED TO ENSURE PROPER SCHEDULING OF AN INSPECTION WITH THE CITY ENGINEER'S REPRESENTATIVE.
9. CONTRACTOR SHALL PRESERVE ALL SURROUNDING PROPERTY BY CONFINING OPERATIONS TO WITHIN THE "LIMITS OF WORK". CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ACCESS FOR ALL ADJOINING RESIDENTS, PLACES OF BUSINESS, AND PROPERTIES AT ALL TIMES AND IN A SAFE MANNER. CONTRACTOR SHALL MAKE PROPER NOTIFICATION AT LEAST 24 HOURS IN ADVANCE OF ANY INTERRUPTION IN ACCESS OR SERVICE TO THE ABOVE PROPERTY OWNERS AS WELL AS THE CITY ENGINEER'S REPRESENTATIVE.
10. CONTRACTOR SHALL ONLY USE EQUIPMENT PROVIDED WITH A SPARK ARRESTOR DEVICE TO REDUCE A POTENTIAL FIRE HAZARD.
11. RIGHT OF MODIFICATION/ APPROVAL OF THIS PLAN DOES NOT RELEASE SUBDIVER OF THE RESPONSIBILITY FOR CORRECTION OF MISTAKES, ERRORS, OR OMISSION, CONTAINED THEREIN. IF DURING THE COURSE OF CONSTRUCTION, PUBLIC INTEREST REQUIRES A MODIFICATION OF OR A DEPARTURE FROM THESE IMPROVEMENT PLANS OR THE CITY STANDARD DETAILS FOR CONSTRUCTION, THE CITY ENGINEER SHALL HAVE THE AUTHORITY TO REQUIRE SUCH MODIFICATIONS AND DEPARTURES AND TO SPECIFY THE MANNER IN WHICH THE SAME IS TO BE MADE.
12. OFF-SITE WATER & DUST CONTROL: CONTRACTOR SHALL PROVIDE A WATER TRUCK ON SITE AT ALL TIMES. CONTRACTOR WILL BE ALLOWED TO DRAW WATER FROM THE CITY OF MORGAN HILL WATER DISTRIBUTION SYSTEM ONLY AFTER OBTAINING A HYDRANT METER FROM THE PUBLIC WORKS DEPARTMENT AND AN INSPECTION OF THE WATER TRUCK FOR A PROPER BACKFLOW DEVICE OR "AIR-GAP" FILLING PIPE. CONTRACTOR SHALL KEEP DOWN DUST FROM CONSTRUCTION ACTIVITY TO THE MAXIMUM EXTENT POSSIBLE. CONTRACTOR SHALL CLEAN ALL EXISTING STREETS, CURBS, GUTTERS, AND SIDEWALKS AFFECTED BY MATERIAL STORAGE.
13. MATERIAL STORAGE: NO MATERIAL SHALL BE STORED NEAR THE EDGE OF PAVEMENT, TRAVELED WAY, SIDEWALK, DRIVEWAY, OR SHOULDER LINE WHICH MAY CREATE A HAZARD FOR VEHICULAR AND PEDESTRIAN TRAFFIC.
14. TRENCH EXCAVATION: CONTRACTOR SHALL EXERCISE DILIGENCE IN REMOVING THE APPROVED SOILS REPORT AND OTHER AVAILABLE RESOURCES TO FAMILIARIZE HIMSELF/HERSELF WITH THE SOIL CONDITIONS TO BE ENCOUNTERED IN THE COURSE OF WORK IDENTIFIED IN THESE PLANS. CONTRACTOR SHALL NOT CAUSE DAMAGE TO ADJACENT TREES OR EXISTING STRUCTURES ABOVE OR BELOW GRADE DURING TRENCH EXCAVATION. ALL ROCKS, BOULDERS, AND LARGE STONES ENCOUNTERED SHALL BE REMOVED TO PROVIDE A CLEARANCE OF 6 INCHES AROUND THE PIPE. THE TRENCH BOTTOM SHALL BE REFILLED TO GRADE WITH SAND, PEA GRAVEL, OR OTHER APPROVED GRANULAR MATERIAL. CLEAN 1/4" OR 1/2" PEA GRAVEL SHALL BE USED IN AREAS OF MOIST CONDITION, OR WHERE THE SOIL HAS A HISTORY OF SUBSURFACE WATER. IF THE BOTTOM OF THE TRENCH IS FOUND TO CONSIST OF WET OR UNSTABLE MATERIAL INCAPABLE OF PROPERLY SUPPORTING THE PIPE, THE MATERIAL SHALL BE REMOVED TO A MINIMUM DEPTH OF 12 INCHES BELOW THE UNSTABLE LAYER FOR THE FULL WIDTH OF THE TRENCH AND REPLACED WITH APPROVED GRANULAR MATERIAL. DUST FROM EXCAVATION MATERIAL DEPOSITED ADJACENT TO THE TRENCH SHALL BE PLACED AND LOCATED TO PREVENT SPILLAGE INTO THE OPEN TRENCH.
15. TRENCH SAFETY: IT SHALL BE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ALL NECESSARY TRENCH SAFETY MEASURES FOR EXCAVATIONS. ALL TRENCH SAFETY MEASURES SHALL BE IN ACCORDANCE WITH THE LATEST CAL-OHSA GUIDELINES. CONTRACTOR SHALL PROVIDE EVIDENCE OF A CAL-OHSA TRENCHING PERMIT AT THE PRECONSTRUCTION MEETING.
16. DELETED
17. JOINING EXISTING PAVEMENT: EXISTING PAVEMENT WHICH IS TO BE JOINED BY NEW PAVEMENT SHALL BE SAW CUT VERTICAL TO PROVIDE STRAIGHT, TRUE, AND NEAT JOINTS. OVERLAPPING OF EXISTING PAVEMENT WITHOUT SAW CUTTING OR GRINDING SHALL NOT BE PERMITTED. THE VERTICAL EDGES SHALL BE TACKED PRIOR TO PAVING. TERMINALS OF ALL SURFACING INDICATED ON THE PLANS SHALL JOIN ANY EXISTING SURFACE IN A SMOOTH BUTT JOINT. CONFORM PAVING BY METHOD OF ABRASIVE GRINDING WILL BE ALLOWED UPON APPROVAL OF THE CITY ENGINEER.
18. WATER LINES: CONTRACTOR SHALL NOT TURN OFF OR ON ANY VALVES BELONGING TO THE CITY'S WATER SYSTEM. ONLY DEPARTMENT OF PUBLIC WORKS PERSONNEL SHALL OPEN THE NECESSARY VALVES TO CONNECT NEW LINES. FAILURE TO FOLLOW THIS REQUIREMENT SHALL BE CONSIDERED AN "UNLAWFUL CONNECTION" AND MAY RESULT IN ISSUING OF A CITATION AND FINES AS SPECIFIED IN SECTION 13.04 OF THE MORGAN HILL MUNICIPAL CODE.
19. 20-26. DELETED
20. BACKFILL & COMPACTION: BACKFILL MATERIAL SHALL BE HAND PLACED AND COMPACTION UP TO AT LEAST 6" ABOVE THE PIPE. WHEN USING NATIVE SOIL AS TRENCH BACKFILL, THE MINIMUM SAND COVER SHALL BE 12".
21. JETTING AND/OR FLOODING OF TRENCH BACKFILL MATERIAL WILL BE PERMITTED ONLY IF APPROVED BY THE SOILS ENGINEER AND CITY ENGINEER. ANY EXCESS EXCAVATION MATERIAL MAY BE DEPOSITED ON SITE IN AREAS AND AT DEPTHS DESIGNATED BY THE OWNER, AND WITH APPROVAL OF THE CITY ENGINEER.
22. THE MINIMUM RELATIVE COMPACTION FOR TRENCH BACKFILL, SUBGRADE AND BASE MATERIAL SHALL BE 95% THROUGHOUT THE PROJECT, UNLESS RECOMMENDED OTHERWISE IN THE SOILS REPORT AND APPROVED BY THE CITY ENGINEER.
23. IF TRENCH BACKFILL MATERIAL IS 100% SAND, THE CITY SHALL CONDUCT COMPACTION TESTS OF THE LIFTS SPECIFIED. IF THE TRENCH BACKFILL MATERIAL IS NATIVE SOIL, CONTRACTOR SHALL PROVIDE COMPACTION TEST RESULTS OF THE LIFTS SPECIFIED IN THE SOILS REPORT TO THE CITY ENGINEER FROM A CERTIFIED TESTING LABORATORY AT CONTRACTOR'S EXPENSE.
24. ANY AGGREGATE BASE THAT BECOMES CONTAMINATED DURING CONSTRUCTION SHALL BE REMOVED AND REPLACED WITH UNCONTAMINATED BASE.
25. EROSION AND SEDIMENT CONTROL: EROSION CONTROL AND WATER POLLUTION CONTROL DRAWING SHALL BE REQUIRED PRIOR TO ANY PHYSICAL DEVELOPMENT OF A PROPERTY. EROSION CONTROL SHALL BE PLANNED BETWEEN SEPTEMBER 15TH AND MAY 1ST. AND SEDIMENT CONTROL SHALL BE PLANNED YEAR ROUND FOR THE LIFE OF THE PROJECT. SAID PLAN SHALL MEET THE MINIMUM STANDARDS AND SPECIFICATIONS OF THE CALIFORNIA STORMWATER QUALITY ASSOCIATION (CALSWQ) FOR STORMWATER BEST MANAGEMENT PRACTICES (BMP'S). CONTRACTOR SHALL BE RESPONSIBLE FOR INITIATING THE REQUIRED EROSION CONTROL MEASURES.
26. DELETED
27. STOCK PILES: ALL STOCK PILES SHALL BE PROPERLY COVERED AND SECURED WITH 10 MIL VAPOR BARRIER.

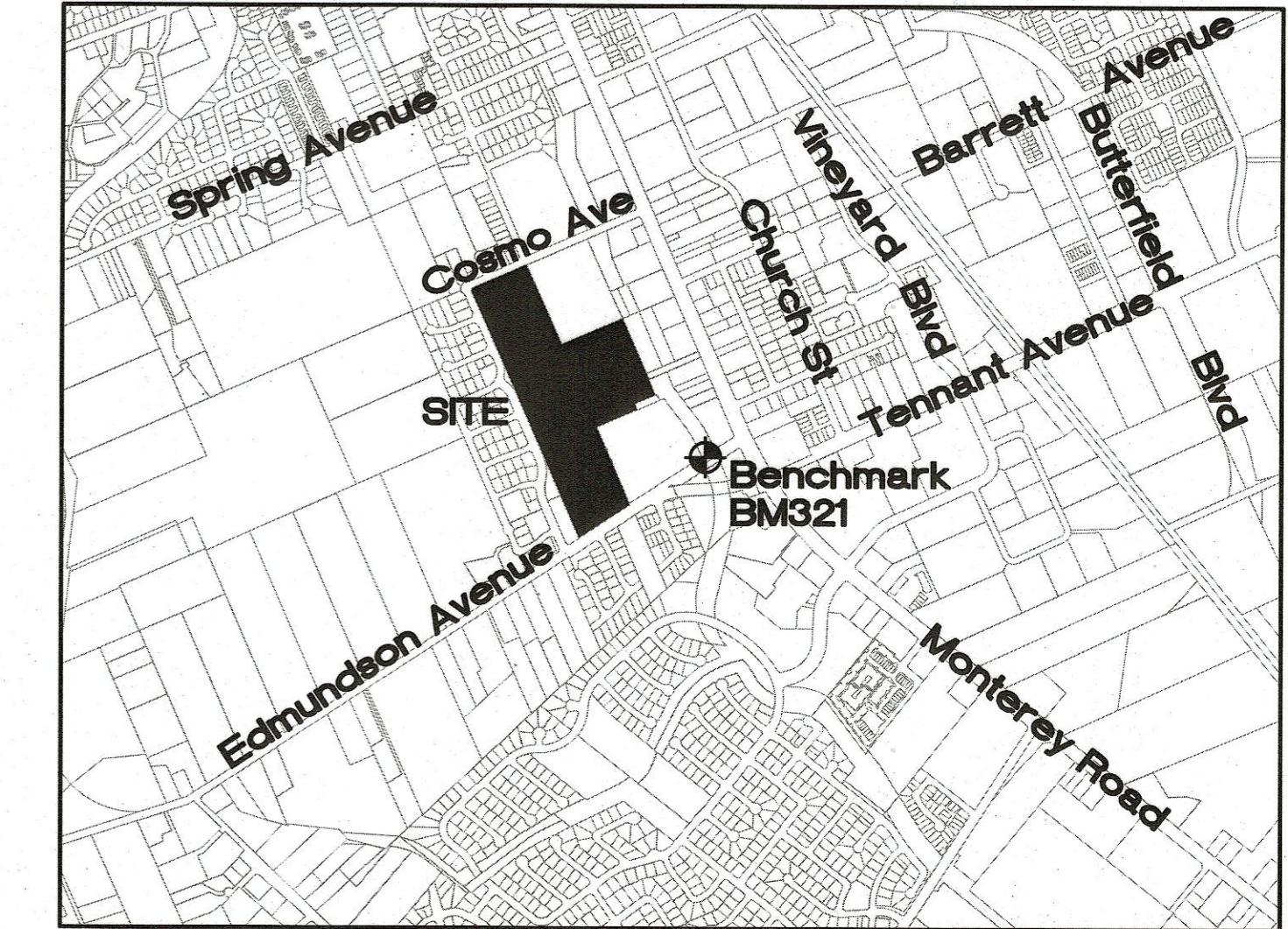
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Improvement Plans

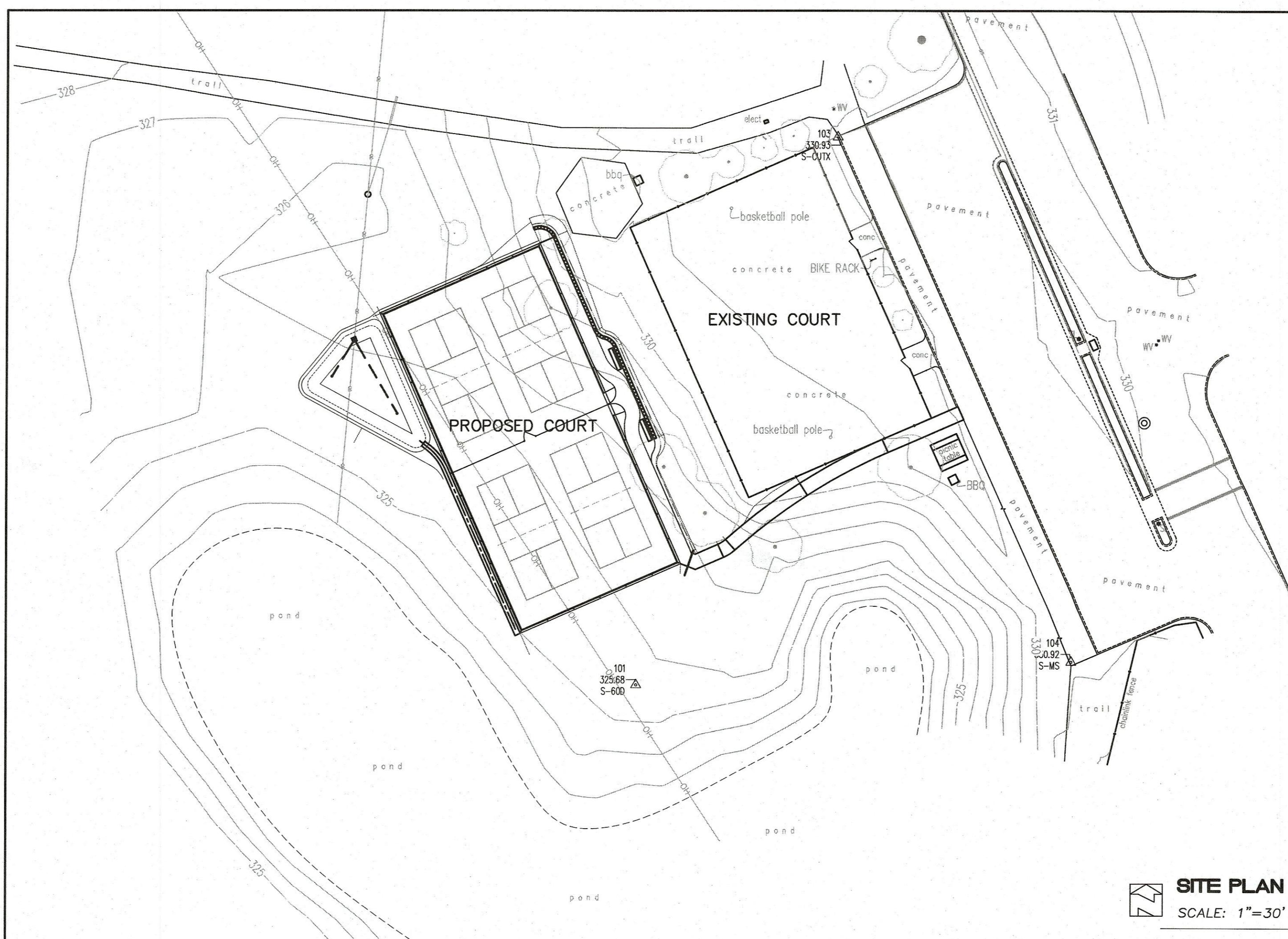
Tennant Square - apn 817-04-0059

Community Park Pickleball Courts

at
West Edmundson Avenue
apn 767-18-048
in the
City of Morgan Hill



VICINITY MAP
NO SCALE



DEVELOPER/OWNER

CITY OF MORGAN HILL
17575 PEAK AVENUE
MORGAN HILL, CA 95037

CIVIL ENGINEER

HANNA - BRUNETTI
7651 EIGLEBERRY STREET
GILROY, CA 95020

OFFICE: 408 842-2173
EMAIL: ENGINEERING@HANNABRUNETTI.COM

date: 5/17/23
Hanna - Brunetti
Amanda Joy Musy-Verdel
R.C.E. # 69278
REGISTERED PROFESSIONAL ENGINEER
AMANDA JOY MUSY-VERDEL
NO. 69278
CIVIL
STATE OF CALIFORNIA
PRINT DATE:
SHEET NUMBER:
1 OF 6

GRADING QUANTITIES

COURT PAD	CUT=±82 C.Y.	FILL=±112 C.Y.	AM	HOR
POND	CUT=±0 C.Y.	FILL=±73 C.Y.		
OTHER	CUT=±50 C.Y.	FILL=±17 C.Y.		
TOTAL	CUT=132 C.Y.	FILL=±202 C.Y.		

PROJECT SUMMARY

1. GROSS AREA: 1,289,867 S.F.
2. ASSESSOR'S PARCEL NUMBER: 767-18-048
3. EXISTING LAND USE - OPEN SPACE
4. EXISTING ZONING - OS (OPEN SPACE)

BENCHMARK

SANTA CLARA VALLEY WATER DISTRICT
BENCHMARK ID: BM321
ELEVATION: NAVD 88 - 330.37 FEET
DESCRIPTION:
LOCATED ON THE TOP OF SIDEWALK, 3 FEET EAST OF WESTERLY CONCRETE HEADWALL, AT THE CORNER OF EDMUNDSON AVENUE, CITY OF MORGAN HILL.

FLOODZONE STATEMENT

COMMUNITY PANEL NUMBER: 060346-060850C0607H
EFFECTIVE DATE OF MAY 18, 2009
COMMUNITY NAME: MORGAN HILL

ZONE X
AN AREA INUNDATED BY 500-YEAR FLOODING; AN AREA INUNDATED BY 100-YEAR FLOODING WITH AVERAGE DEPTHS OF LESS THAN 1 FOOT OR IN DRAINAGE AREAS LESS THAN 1 SQUARE MILE; OR AN AREA PROTECTED BY LEVEES FROM 100-YEAR FLOODING.

SHEET INDEX

- 1 COVER SHEET
- 2 EXISTING CONDITIONS PLAN
- 3 GRADING & DRAINAGE PLAN
- 4 DETAILS
- 5 EROSION CONTROL PLAN
- 6 STORMWATER CONTROL PLAN

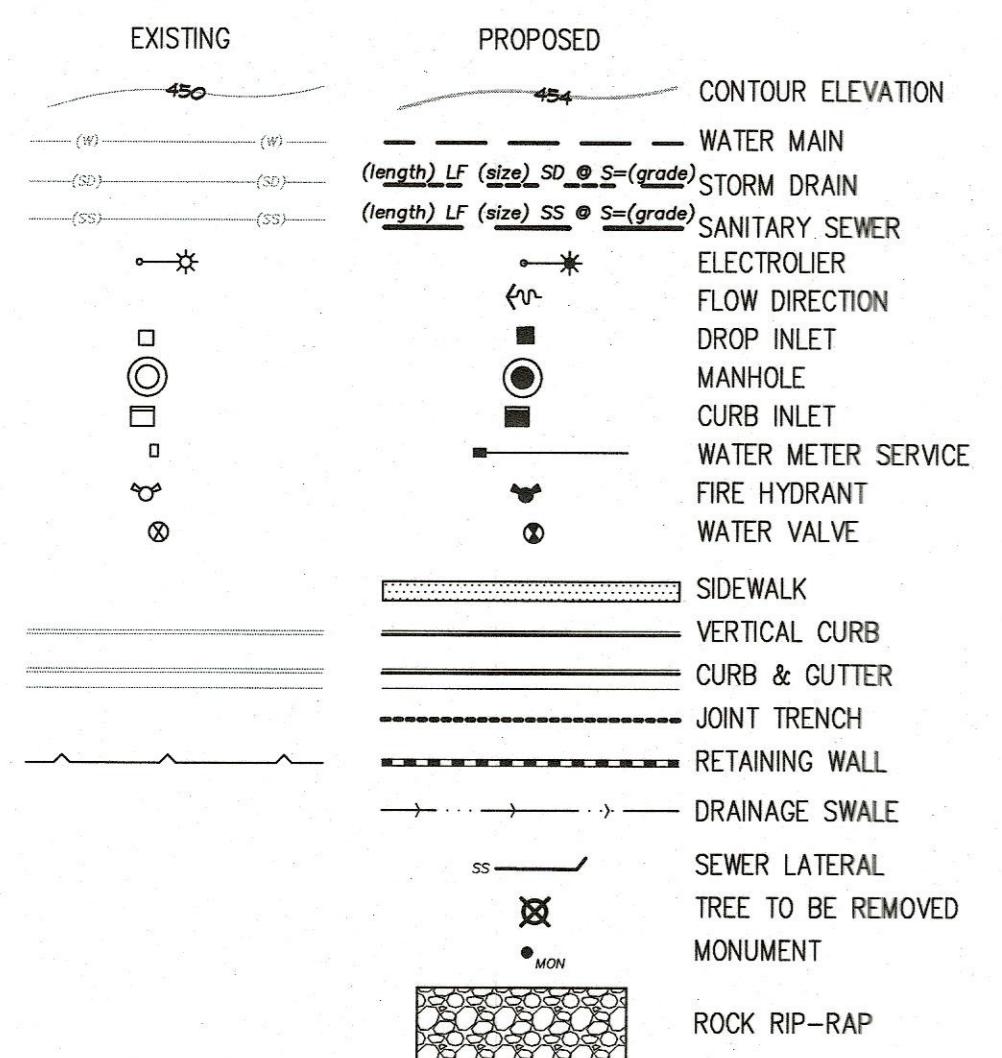
Cover Sheet - Community Park Pickleball Courts
West Edmundson Avenue - apn 767-18-048

FILE NUMBER:	
PRINT DATE:	
SHEET NUMBER:	1 OF 6

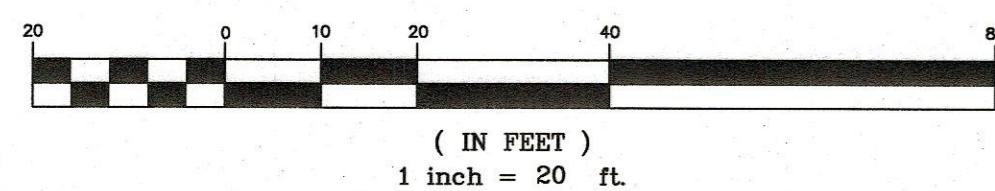
ABBREVIATIONS

AC	ASPHALT CONCRETE	EP	EDGE OF PAVEMENT
AB	AGGREGATE BASE	ER	END OF RETURN
AD	AREA DRAIN	ESMT	EASEMENT
AGG	AGGREGATE	(E)	EXISTING
BC	BEGINNING OF CURVE	FF	FINISH FLOOR
BPD	BACKFLOW PREVENTER DEVICE	FG	FINISH GRADE
BLDG	BUILDING	FH	FIRE HYDRANT
BOC	BACK OF CURB	FLOWLINE	
BO	BLOW OFF	FACE OF CURB	
BOT	BOTTOM	GAS LINE	
BOW	BACK OF WALK	GAS METER	
BW	BOTTOM OF WALL	GRADE BREAK	
BWF	BARB WIRE FENCE	GUY WIRE FOR POLE	
CATV	CABLE TELEVISION	GATE VALVE	
CB	CATCH BASIN	H.D.P.E.	HIGH DENSITY POLYETHYLENE
C&G	CURB & GUTTER	HMA	HOT MIX ASPHALT
CI	CURB INLET	HP	HIGH POINT
CL	CENTERLINE	INV	INVERT OF PIPE
CMP	CORRUGATED METAL PIPE	IP	IRON PIPE
CMU	CONCRETE MASONRY UNIT	JP	JOINT POLE
CO	CLEAN OUT	JT	JOINT TRENCH
CONC	CONCRETE	LF	LINEAR FEET
CONST	CONSTRUCTION	LP	LOW POINT
DDCV	DOUBLE DETECTOR CHECK	MAX	MAXIMUM
VALVE ASSEMBLY		MIN	MINIMUM
DI	DROP INLET	N.I.C.	NOT IN CONTRACT
DIP	DUCTILE IRON PIPE	NEW	NEW
DMA	DRAINAGE MANAGEMENT AREA	OHU	OVERHEAD UTILITY
DS	DOWNSPOUT	(P)	PROPOSED
DWY	DRIVEWAY	PB	PULL BOX
E	ELECTRIC LINE	PCC	PORTLAND CONCRETE CEMENT
EC	END OF CURVE	PL	PROPERTY LINE
EG	EXISTING GRADE	PRC	POINT REVERSE CURVE
ELEV	ELEVATION		

LEGEND



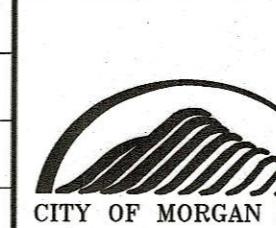
GRAPHIC SCALE



NO.	DESCRIPTION	DATE	BY
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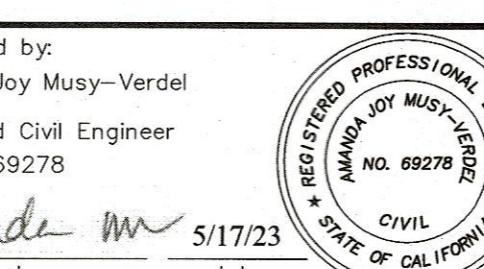
As-Built Corrections	
By: _____ Date: _____	By: _____ Date: _____

DRAWN	DESIGN	HOR
CHECKED	DATE	1"=20'
APPROVED	DATE	VERT
		AS BUILT
		JOB NUMBER



City of Morgan Hill
Public Works Department
1755 Peak Avenue, Morgan Hill - California - 95037
(408) 778-6480 - fax (408) 779-7236

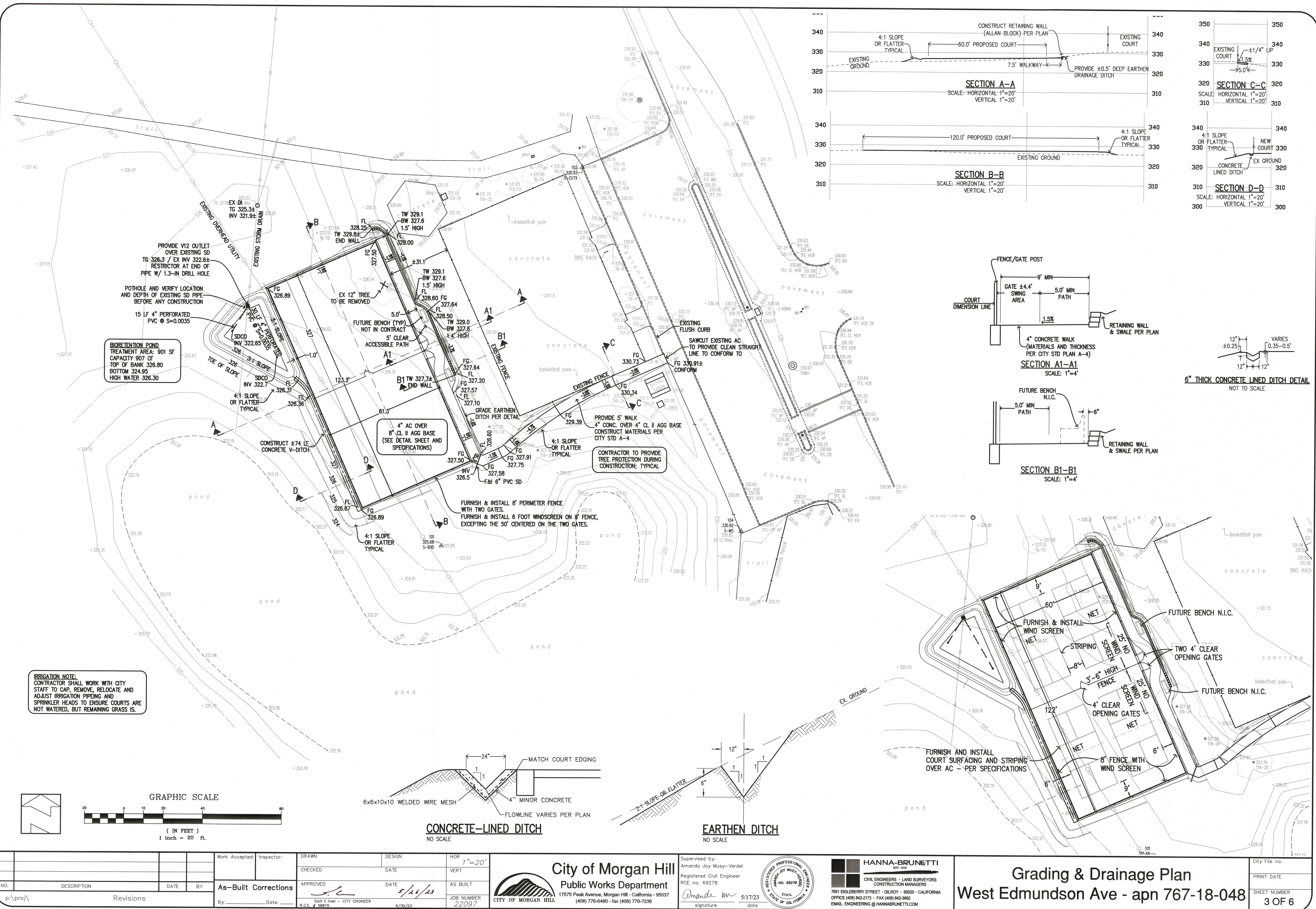
Supervised by:
Amanda Joy Musy-Verdel
Registered Civil Engineer
RCE no. 69278

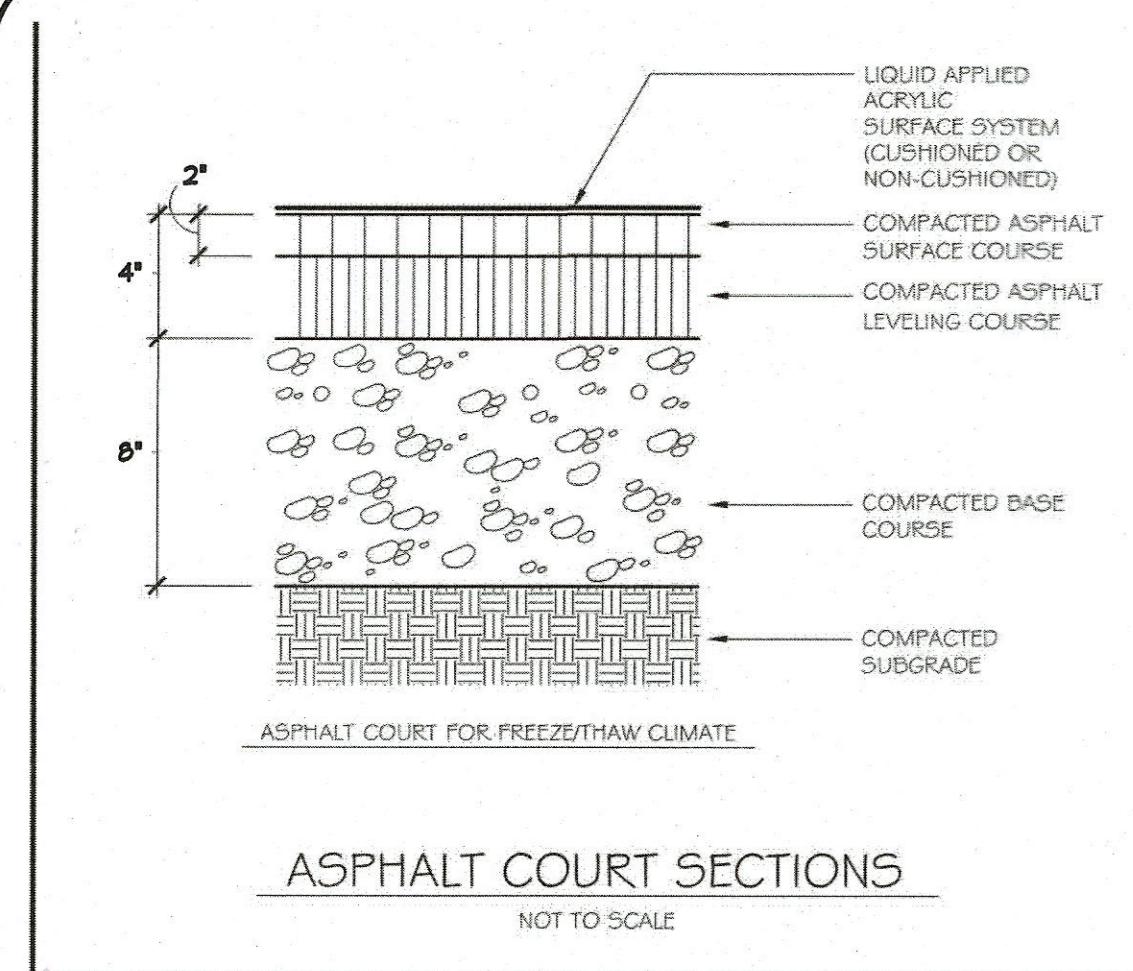


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Existing Conditions Plan
West Edmundson Ave-apn 767-18-048

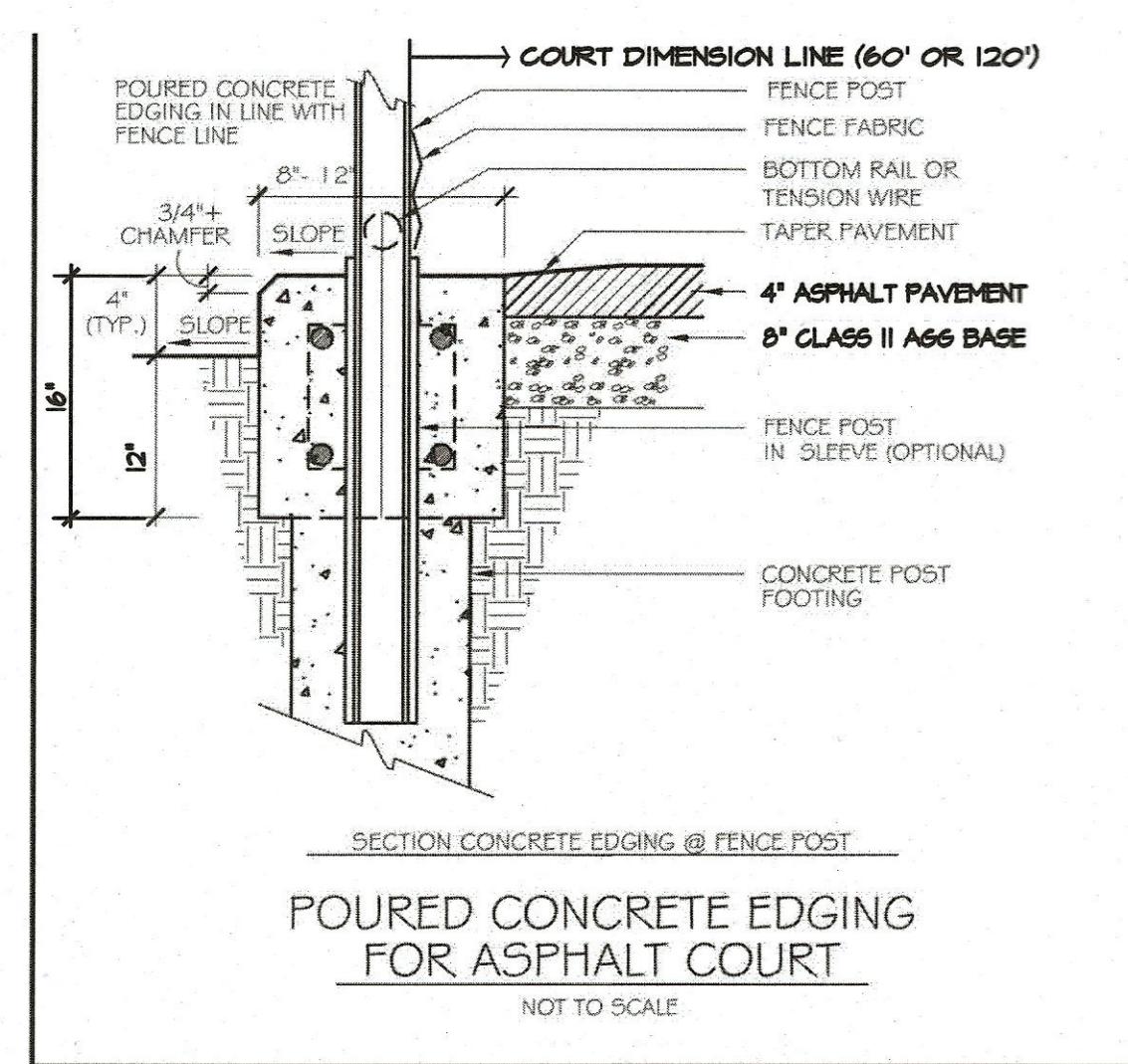
City File no.
PRINT DATE
SHEET NUMBER
2 OF 6





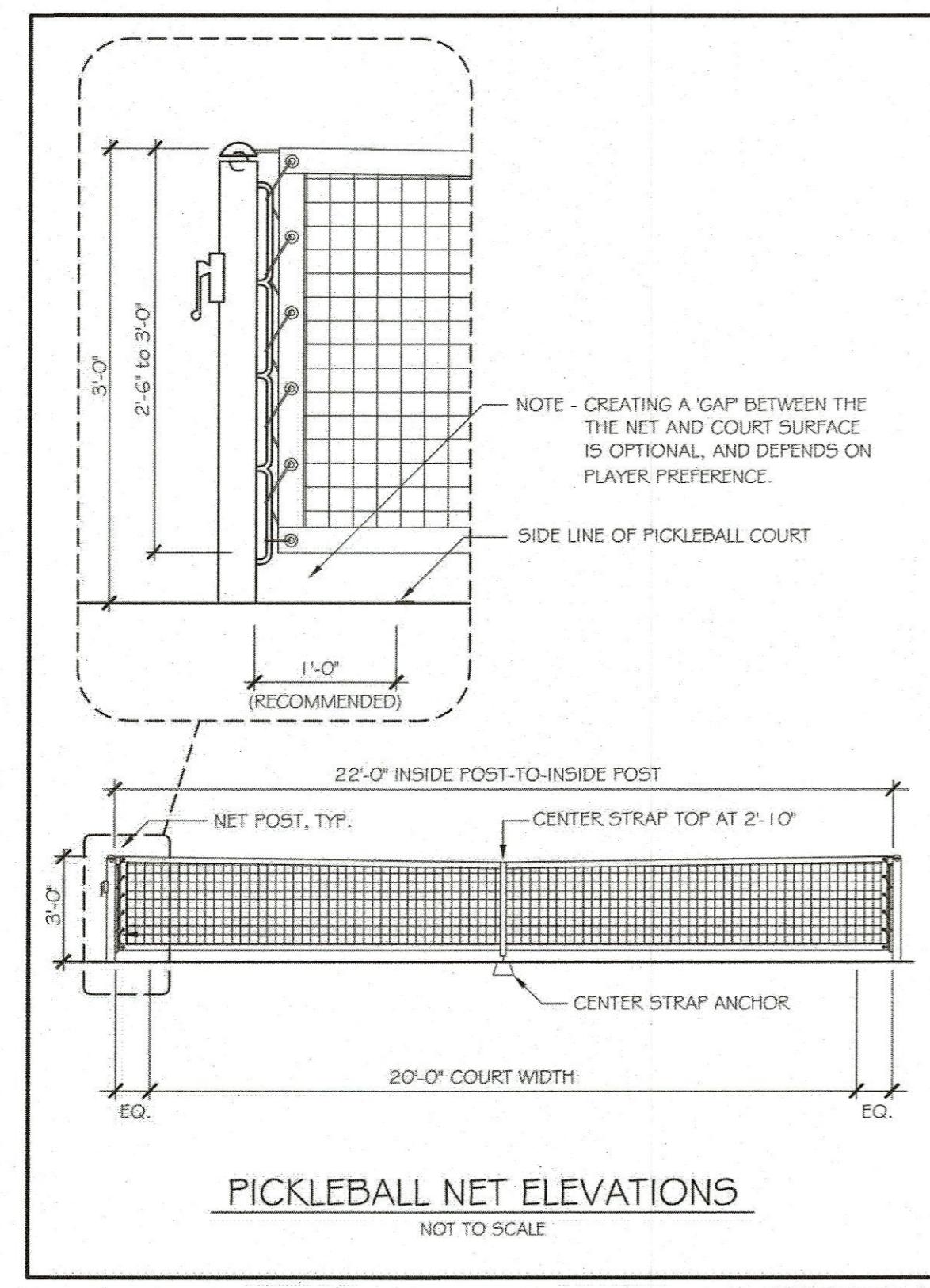
ASPHALT COURT SECTIONS

NOT TO SCALE



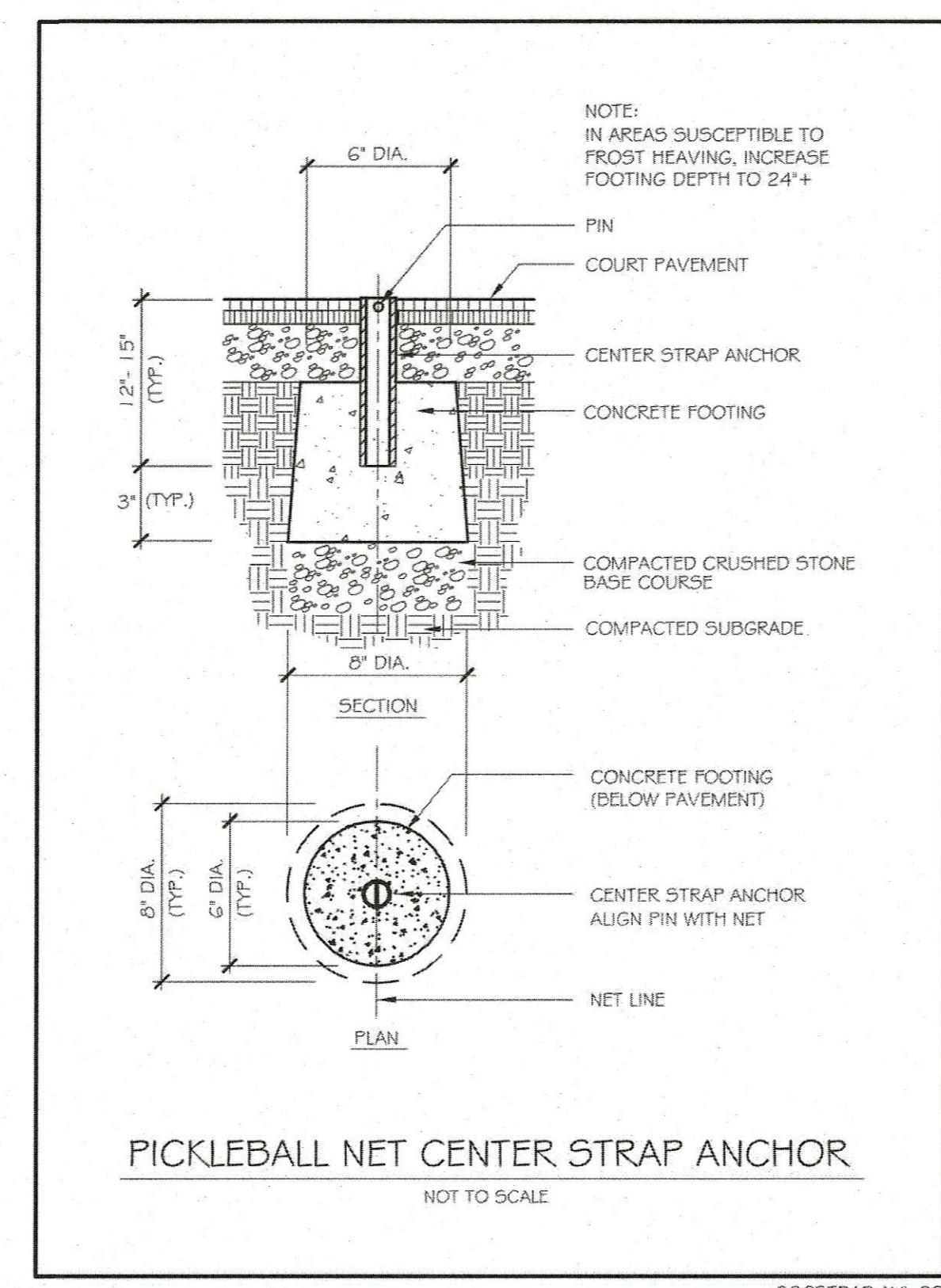
POURED CONCRETE EDGING FOR ASPHALT COURT

NOT TO SCALE



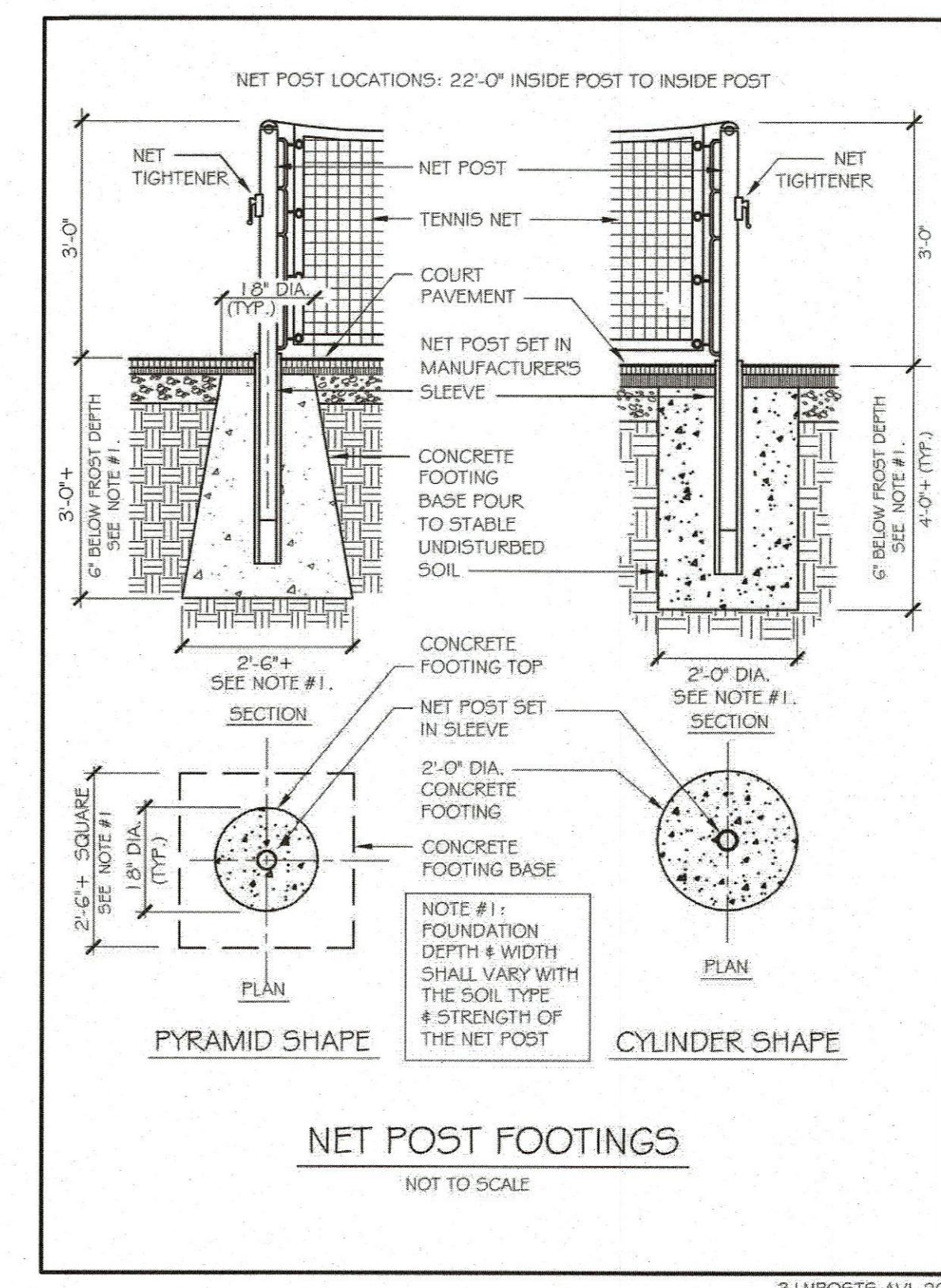
PICKLEBALL NET ELEVATIONS

NOT TO SCALE



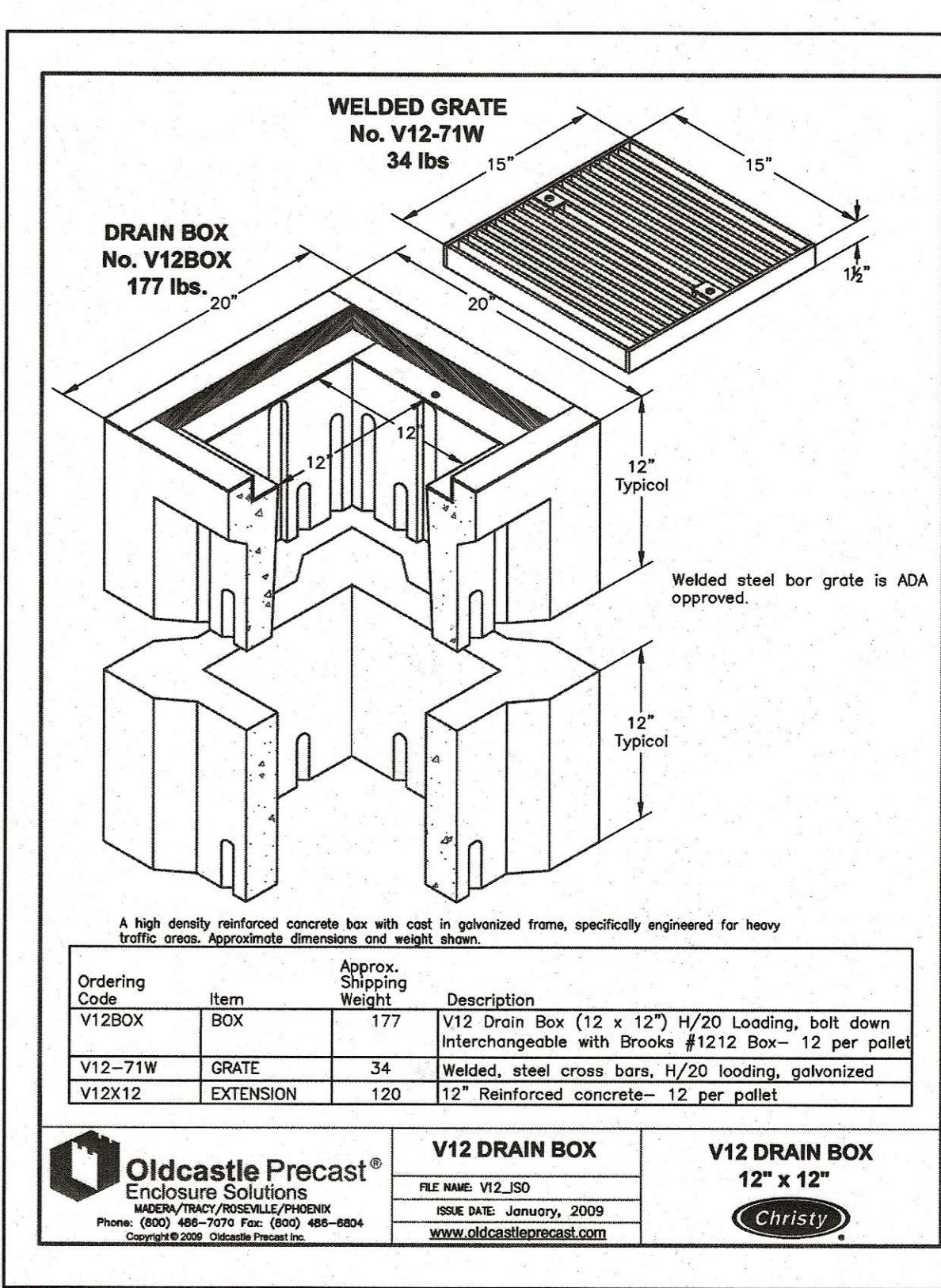
PICKLEBALL NET CENTER STRAP ANCHOR

NOT TO SCALE



NET POST FOOTINGS

NOT TO SCALE



WELDED GRATE
No. V12-71W
34 lbs

DRAIN BOX
No. V12-120
177 lbs

Welded steel bar grate is ADA approved.

Ordering Code	Item	Approx. Shipping Weight	Description
V12BOX	BOX	177	V12 Drain Box (12 x 12") H/20 Loding, bolt down Interchangeable with Brooks #1212 Box - 12 per pallet
V12-71W	GRATE	34	Welded, steel cross bars, H/20 loding, galvanized
V12X12	EXTENSION	120	12" Reinforced concrete - 12 per pallet

Oldcastle Precast®
Enclosure Solutions

MADEIRA/IRVINE/ROSEVILLE/PHOENIX
Phone: (800) 444-4424
Copyright © 2009 Oldcastle Precast

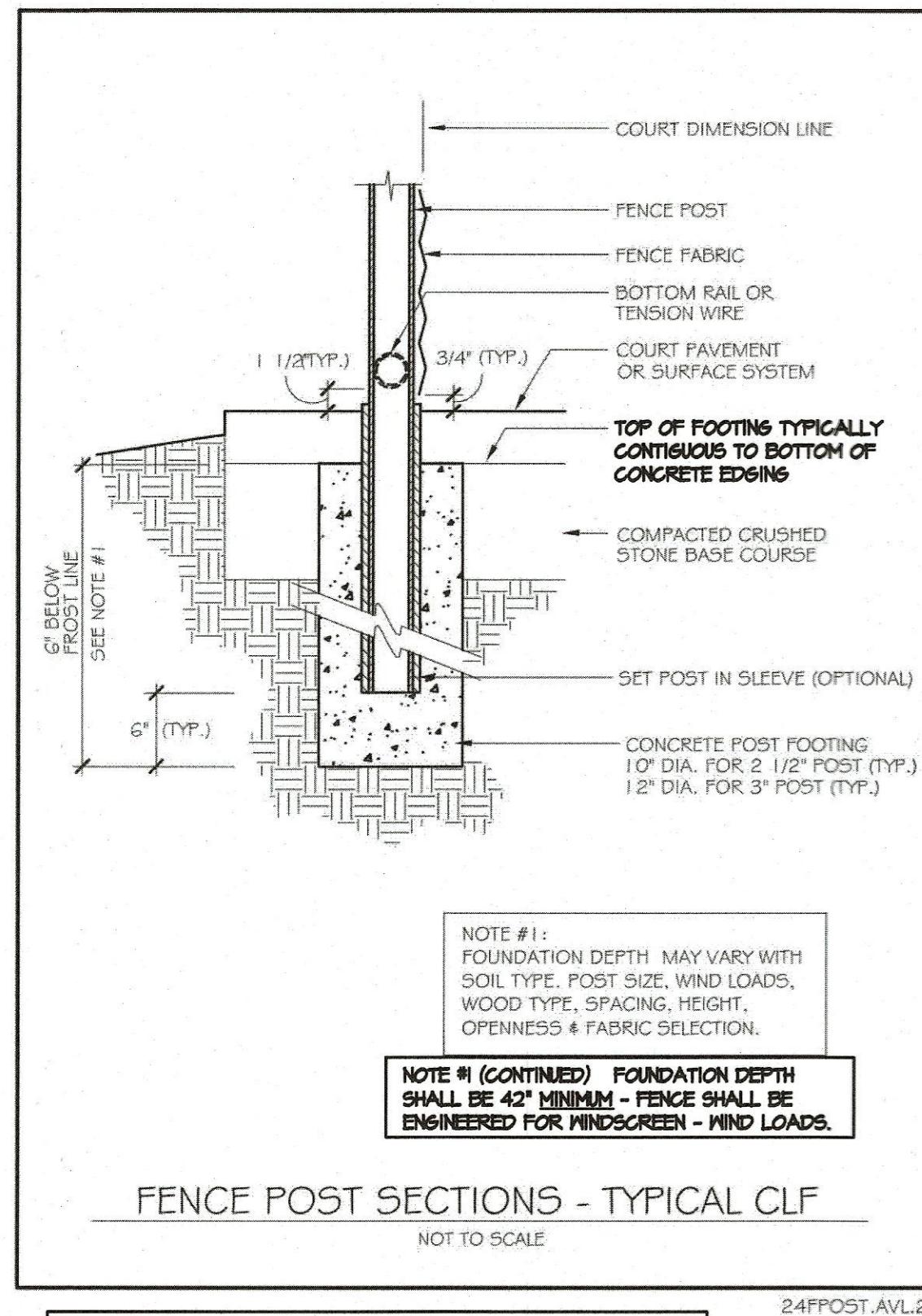
V12 DRAIN BOX

ITEM NO. V12-120

V12 DRAIN BOX

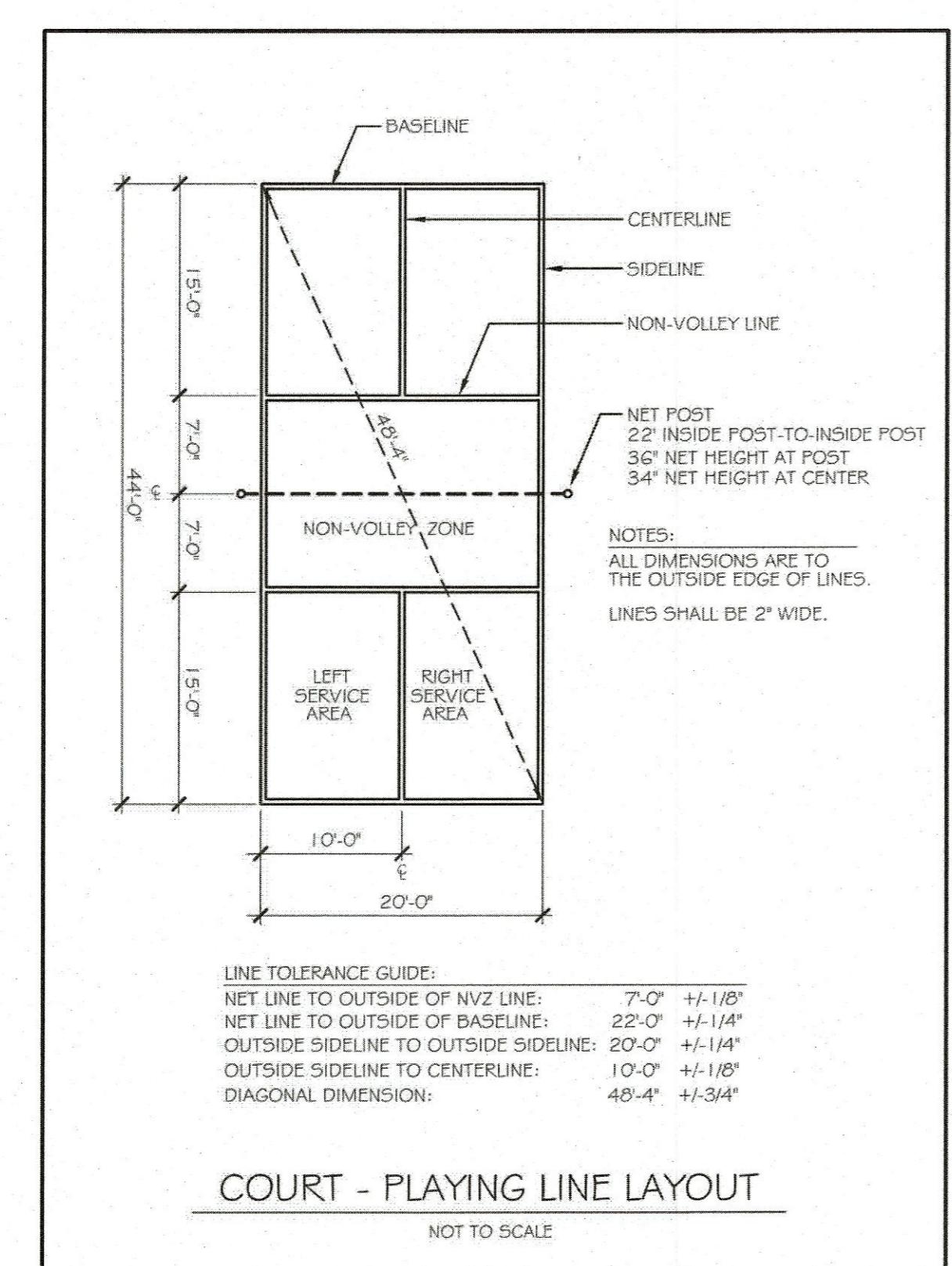
12" x 12"

Christy®



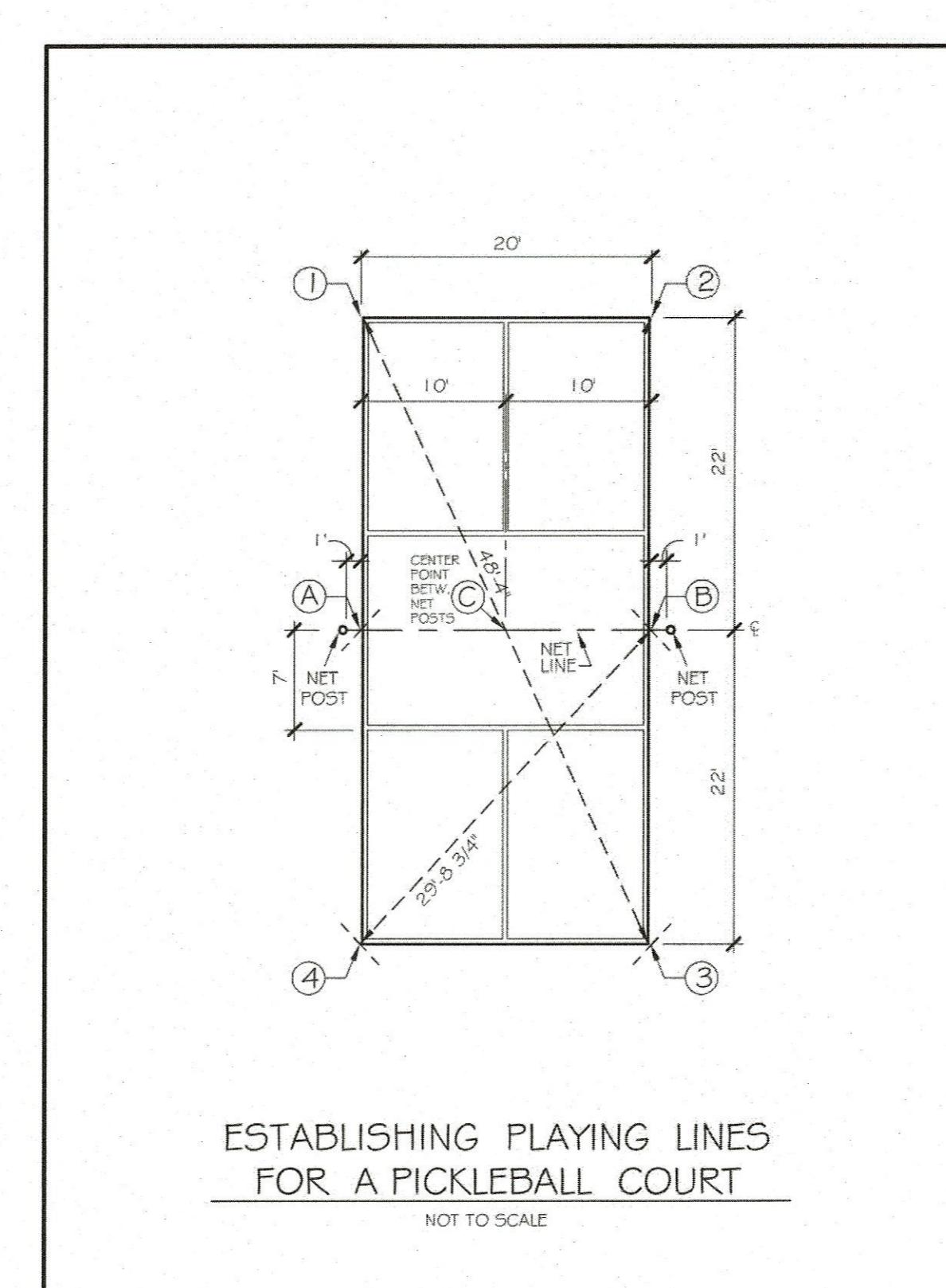
FENCE POST SECTIONS - TYPICAL CLF

NOT TO SCALE



COURT - PLAYING LINE LAYOUT

NOT TO SCALE

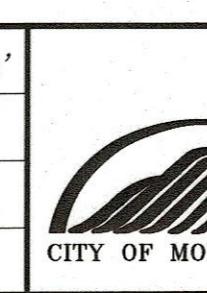


ESTABLISHING PLAYING LINES
FOR A PICKLEBALL COURT

NOT TO SCALE

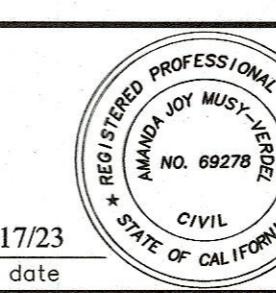
COURT SURFACING TO BE PICKLEBALL
MASTER SURFACING BY - SPORTS MASTER
SPORTS SURFACES PER SPECIFICATIONS

NO.	DESCRIPTION	DATE	BY	Work Accepted:	Inspector:	DRAWN	DESIGN	HOR
				As-Built	Corrections	CHECKED	DATE	VERT
p:\proj\	Revisions			By: _____	Date: _____	APPROVED: _____	DATE: 5/21/23	AS BUILT
								JOB NUMBER 22097



City of Morgan Hill
Public Works Department
CITY OF MORGAN HILL
17575 Peak Avenue, Morgan Hill - California - 95037
(408) 776-6480 - Fax (408) 779-7236

Supervised by:
Amanda Joy Musy-Verdel
Registered Civil Engineer
RCE. No. 69278
Amanda M. _____
signature
5/17/23
date

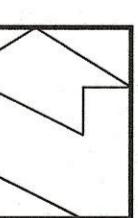
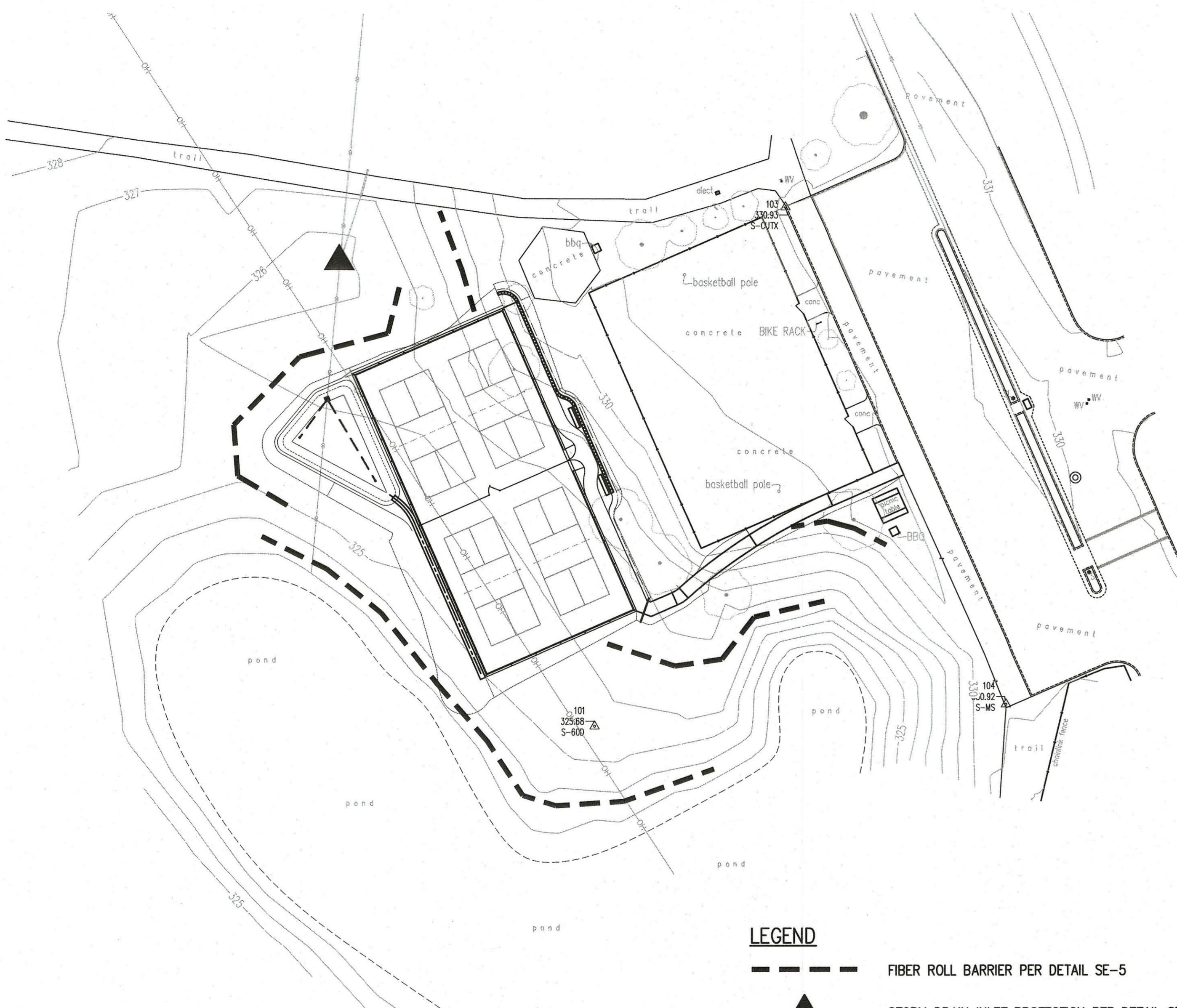


HANNA-BRUNETTI
EST. 1910
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OFFICE (408) 842-2173 - FAX (408) 842-6662
EMAIL: ENGINEERING @ HANNA-BRUNETTI.COM

Details
West Edmundson Ave - apn 767-18-048

City File no.
PRINT DATE
SHEET NUMBER
4 OF 6

HB JOB NO. 22097



GRAPHIC SCALE
(IN FEET)
1 inch = 30 ft.

LEGEND

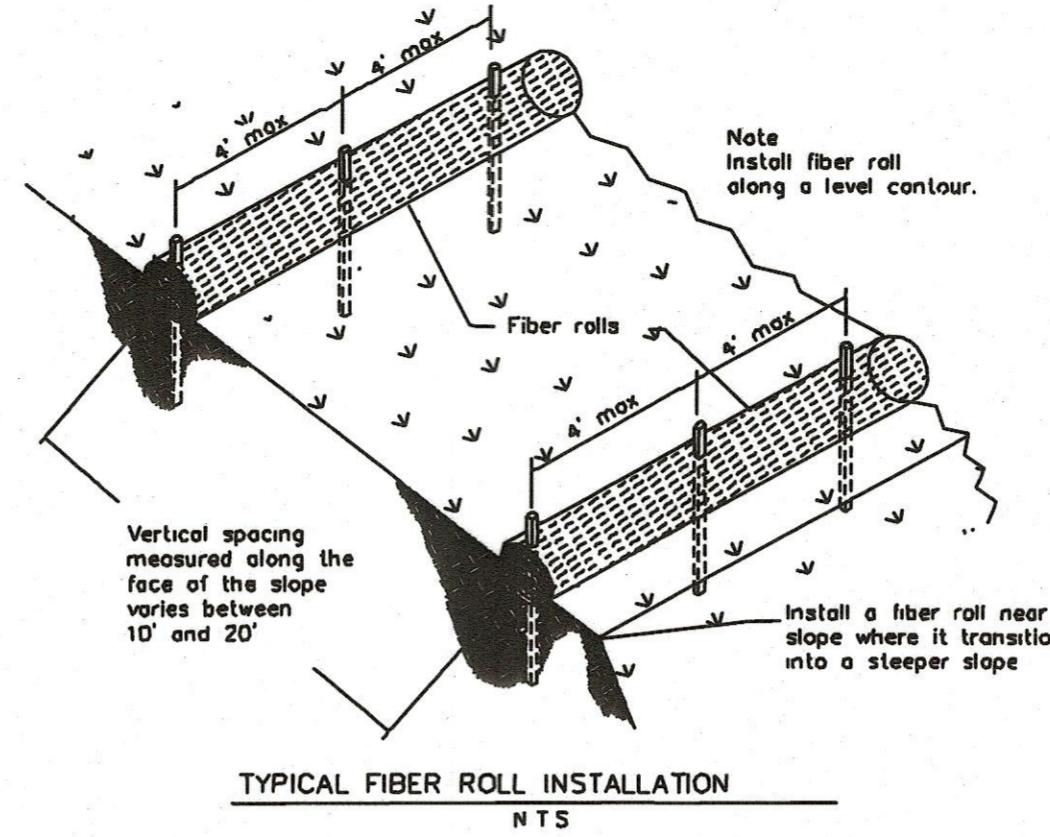
— Fiber Roll Barrier per Detail SE-5



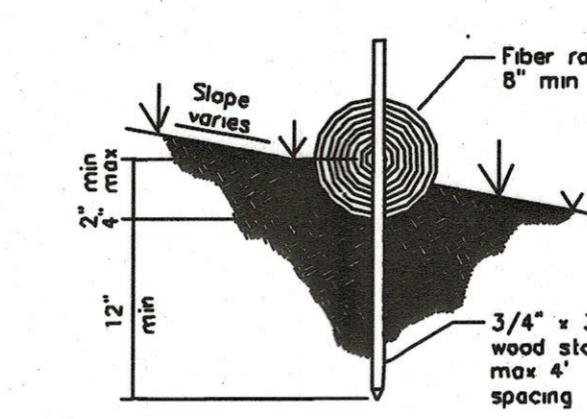
Storm Drain Inlet Protection per Detail SE-10

SE-5

Fiber Rolls

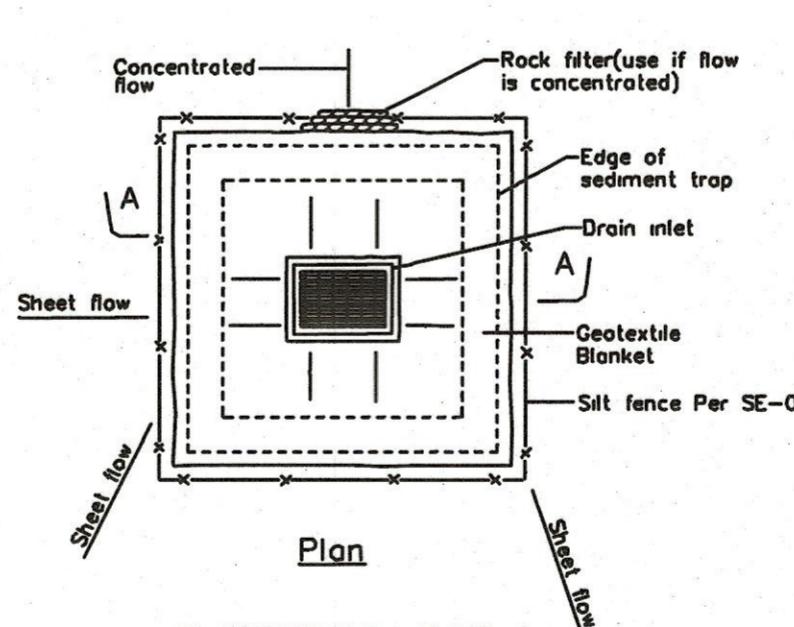
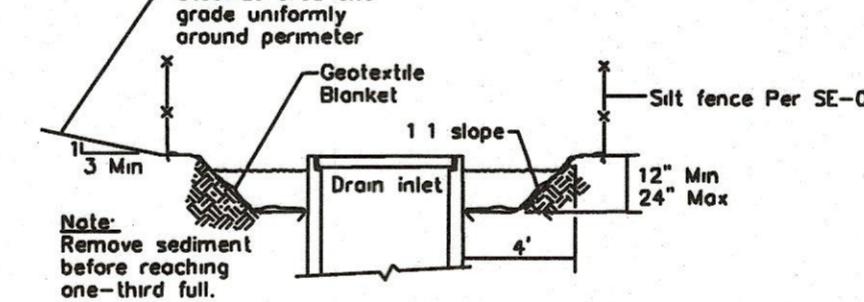


TYPICAL FIBER ROLL INSTALLATION
N.T.S.



ENTRENCHMENT DETAIL
N.T.S.

Storm Drain Inlet Protection SE-10



DI PROTECTION TYPE 2
NOT TO SCALE

Notes:
1. For use in cleared and grubbed and in graded areas
2. Shape basin so that longest inflow area faces longest length of trap.
3. For concentrated flows, shape basin in 2:1 ratio with length oriented towards direction of flow.

EROSION CONTROL NOTES

1. EROSION CONTROL MEASURES SHALL BE EFFECTIVE FOR CONSTRUCTION DURING THE RAINY SEASON; SEPTEMBER 15 THROUGH MAY 1st.
2. NO STORM WATER RUNOFF SHALL BE ALLOWED TO DRAIN INTO THE EXISTING AND/OR PROPOSED UNDERGROUND STORM SYSTEM UNTIL SUITABLE EROSION CONTROL MEASURES ARE FULLY IMPLEMENTED. NO STORM WATER RUNOFF SHALL BE ALLOWED TO ENTER THE STORM DRAIN SYSTEM THAT IS NOT CLEAR AND FREE OF SILTS.
3. A FIBER ROLL BARRIER PER "DETAIL SE-5" SHALL BE INSTALLED ALONG THE PERIMETER OF THE PROJECT SITE. THE LOCATION OF THE FIBER ROLL ALONG THE PERIMETER SHALL BE ADJUSTED TO ELIMINATE SEDIMENT LADEN RUNOFF FROM LEAVING THE SITE. A FIBER ROLL SHALL ALSO BE REQUIRED AROUND THE PERIMETER OF ANY STOCKPILE OR OTHER SITE OF BARE, LOOSE EARTH.
4. ALL STORM DRAIN MANHOLES, CATCH BASINS, AND/OR DROP INLETS THAT ARE TO ACCEPT STORM WATER SHALL HAVE INLET PROTECTION MEASURES PER DETAIL SE-10. STORM WATER RUNOFF SHALL BE DIRECTED TO THESE INLETS ONLY. STORM DRAIN CATCH BASINS THAT ARE NOT COMPLETE, SHALL BE BLOCKED OFF COMPLETELY.
5. THE NAME, ADDRESS, AND 24 HOUR TELEPHONE NUMBER OF THE PERSON RESPONSIBLE FOR THE IMPLEMENTATION OF THE EROSION CONTROL PLAN SHALL BE PROVIDED TO THE CITY.
6. PRIOR TO GRADING, AN ENTRANCE SHALL BE CONSTRUCTED, CONSISTING OF A MINIMUM OF 50 LF OF DRAIN ROCK, 3" IN DIAMETER, PLACED OVER MIRAFI 500X (OR EQUAL) PER DETAIL TC-1. THE ENTRANCE SHALL CONFORM TO "CONSTRUCTION ENTRANCE DETAIL TC-1". THERE SHALL BE ONLY ONE ENTRANCE/EXIT POINT TO THE SITE DURING THE RAINY SEASON. THE LOCATION SHALL BE AS SHOWN ON THESE PLANS, OR AT A LOCATION APPROVED BY THE CITY.
7. ALL AREAS OF BARE, TURNED OR DISTURBED EARTH SHALL BE STABILIZED BY USE OF HYDROSEED PER THE TABLE BELOW. ALL STOCKPILES, AND/OR BORROW AREAS SHALL BE PROTECTED WITH APPROPRIATE EROSION CONTROL MEASURES SUCH AS A PERIMETER SILT FENCE, AND OTHER METHODS TO PREVENT ANY EROSION OR SILTS MIGRATION. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED UNTIL DISTURBED AREAS ARE STABILIZED. CHANGES TO THE EROSION CONTROL PLAN SHALL BE MADE TO MEET FIELD CONDITIONS, BUT ONLY WITH THE APPROVAL OF, OR AT THE DIRECTION OF THE COUNTY INSPECTOR. THE STORM DRAIN SYSTEM SHALL MAINTAIN A FORM OF DRAIN INLET PROTECTION UNTIL COUNTY ACCEPTS THE FINAL STREET IMPROVEMENTS. THE DRAIN INLET PROTECTION SHALL BE MAINTAINED, EFFECTIVE AND SUBJECT TO COUNTY INSPECTOR'S APPROVAL.
8. ALL PAVED STREET, AND AREAS ADJACENT TO THE SITE SHALL BE KEPT CLEAR OF EARTH MATERIALS AND DEBRIS. THE SITE SHALL BE MAINTAINED SO AS TO ELIMINATE SEDIMENT LADEN RUNOFF FROM ENTERING THE STORM DRAIN SYSTEM.
9. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSPECT AND REPAIR ALL EROSION CONTROL FACILITIES AT THE END OF EACH DAY DURING THE RAINY SEASON. ANY DAMAGED STRUCTURAL MEASURES ARE TO BE REPAIRED BY END OF THE DAY. TRAPPED SEDIMENT IN "SD INLETS" (AND OTHER EROSION CONTROL MEASURES) SHALL BE REMOVED TO MAINTAIN TRAP EFFICIENCY. REMOVED SEDIMENT SHALL BE DISPOSED BY SPREADING ON SITE, WHERE IT WILL NOT MIGRATE.
10. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PREVENT THE FORMATION OF AIRBORNE DUST NUISANCE AND SHALL BE RESPONSIBLE FOR ANY DAMAGE RESULTING FROM A FAILURE TO DO SO.
11. ALL DRAIN SWALES SHALL BE PER DETAIL EC-9.
12. INCOMPLETE GRADING SHALL NOT BE ALLOWED. CONTRACTOR SHALL MAINTAIN A DRAIN PATH AS SHOWN ON THIS PLAN. SAID DRAIN PATH SHALL BE MAINTAINED LINED DRAIN SWALES, AND INLET PROTECTION AT A MINIMUM. IF PONDING DOES OCCUR ON THE SITE AFTER GRADING, THE WATER MUST BE FREE AND CLEAR OF SEDIMENT PRIOR TO DISCHARGE TO THE STORM DRAIN SYSTEM. THIS REQUIREMENT MAY NECESSITATE THE USE OF NATURAL AND/OR MECHANICAL DESILTING METHODS, SUBJECT TO APPROVAL BY THE COUNTY INSPECTOR.
13. IF THESE EROSION CONTROL MEASURE PROVE INADEQUATE, STRAW MULCH, TACKIFIER, AND ADDITIONAL HYDROSEEDING MAY BE REQUIRED.

HYDROSEED TABLE

ITEM	LBS/ACRE
COMMON BARLEY	45
ANNUAL RYEGRASS	45
CRIMSON CLOVER	10
FERTILIZER 7-2-3	400
FIBER MULCH	2000
TACKIFIER	100

14. ALL GRADING WORK BETWEEN SEPTEMBER 15th AND MAY 1st IS AT THE DISCRETION OF THE CITY INSPECTOR.
15. PROVIDE SHRUBS AND/OR TREES REQUIRED ON SLOPES GREATER THAN 15 FEET IN VERTICAL HEIGHT.
16. THE OWNER/OWNER'S CONTRACTOR, AGENT, AND/OR ENGINEER SHALL INSTALL AND MAINTAIN THROUGHOUT THE DURATION OF CONSTRUCTION AND UNTIL THE ESTABLISHMENT OF PERMANENT STABILIZATION AND SEDIMENT CONTROL WITHIN THE SANTA CLARA COUNTY MAINTAINED ROAD RIGHT OF WAY AND ANY PORTION OF THE SITE WHERE STORM WATER RUN-OFF IS DIRECTLY FLOWING INTO THE SANTA CLARA COUNTY MAINTAINED ROAD RIGHT OF WAY BEST MANAGEMENT PRACTICES (BMP'S) TO PREVENT CONSTRUCTION MATERIALS, EXCAVATED MATERIALS, WASTE MATERIALS, AND SEDIMENT CAUSED BY EROSION FROM CONSTRUCTION ACTIVITIES ENTERING THE STORM DRAIN SYSTEM, WATERWAYS, AND ROADWAY INFRASTRUCTURE. BMP'S SHALL INCLUDE, BUT NOT LIMITED TO, THE FOLLOWING PRACTICES APPLICABLE TO THE PUBLIC ROAD AND EXPRESSWAY FACILITIES:
 - A) REDUCTION OF POLLUTANTS IN STORM WATER DISCHARGES FROM THE CONSTRUCTION SITE AND THE CONTRACTOR'S MATERIAL AND EQUIPMENT LAYDOWN/STAGING AREAS.
 - B) PREVENTION OF TRACKING OF MUD, DIRT AND CONSTRUCTION MATERIALS ONTO PUBLIC ROAD RIGHT OF WAY.
 - C) PREVENTION OF DISCHARGE OF WATER RUNOFF DURING DRY AND WET WEATHER CONDITIONS ONTO PUBLIC ROAD RIGHT OF WAY.
17. THE OWNER/OWNER'S CONTRACTOR, AGENT, AND/OR ENGINEER SHALL ENSURE THAT ALL TEMPORARY CONSTRUCTION FACILITIES, INCLUDING BUT NOT LIMITED TO CONSTRUCTION MATERIALS, DELIVERIES, HAZARDOUS AND NON-HAZARDOUS MATERIAL STORAGE, EQUIPMENT, TOOLS, PORTABLE TOILETS, CONCRETE WASHOUT, GARBAGE CONTAINERS, LAYDOWN YARDS, SECONDARY CONTAINMENT AREAS, ETC. ARE LOCATED OUTSIDE THE CITY RIGHT OF WAY AND ANY PORTION OF THE SITE WHERE STORM WATER RUN-OFF IS DIRECTLY FLOWING INTO THE CITY RIGHT OF WAY SHALL HAVE SEASONALLY APPROPRIATE BMP'S INSTALLED AND MAINTAINED AT ALL TIMES.

NO.	DESCRIPTION	DATE	BY	Work Accepted: Inspector:		DRAWN	DESIGN	HOR 1"=30'
				As-Built	Corrections			
						APPROVED	DATE	AS BUILT
							5/26/23	JOB NUMBER 22097
p:\proj\	Revisions			By:	Date:	Scott C Clegg - CITY ENGINEER	R.C.E. # 58879	6/30/23

City of Morgan Hill
Public Works Department
CITY OF MORGAN HILL
17575 Peak Avenue, Morgan Hill - California - 95037
(408) 776-6480 - fax (408) 779-236

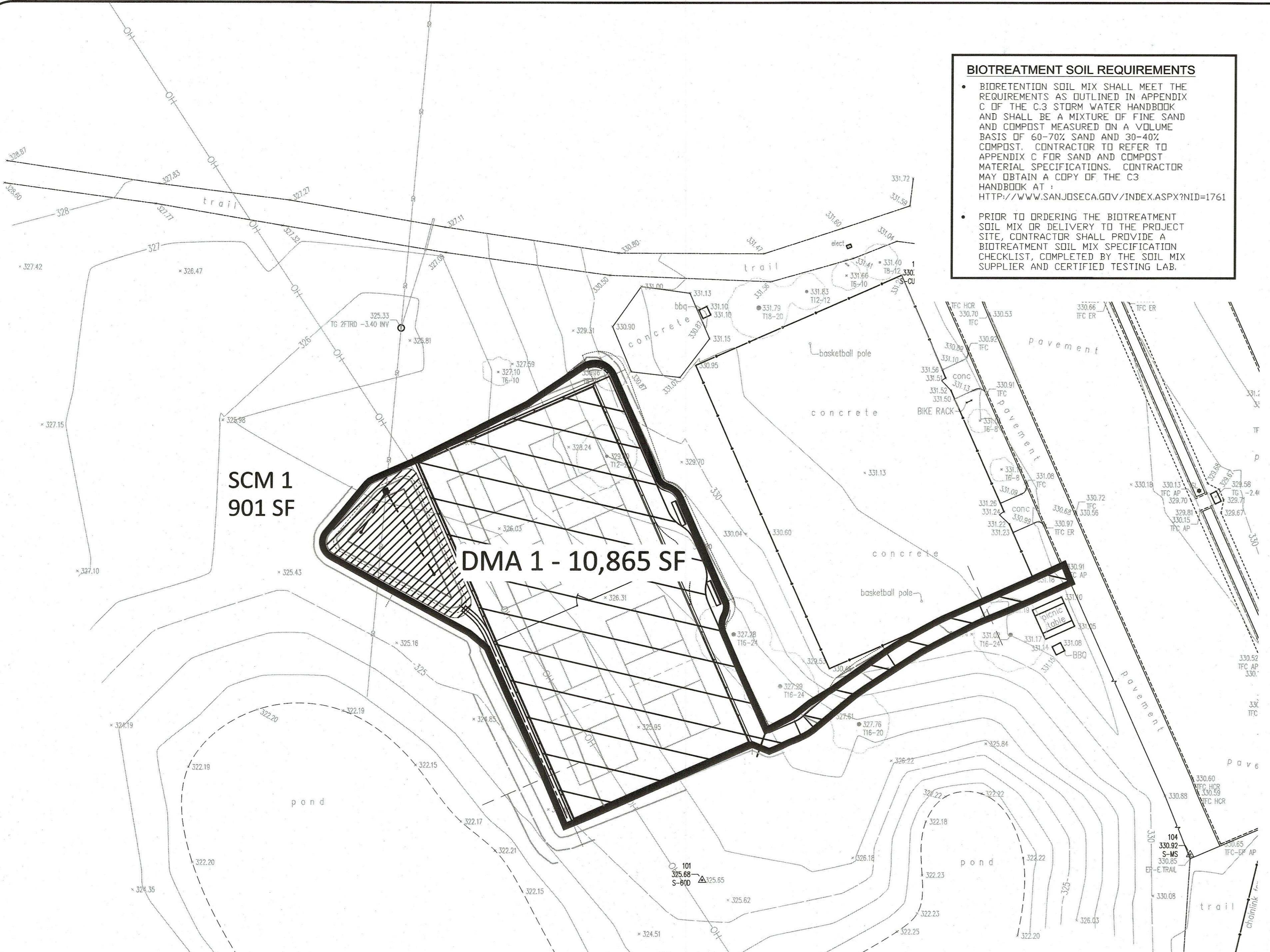
Supervised by:
Amanda Joy Musy-Verdel
Registered Civil Engineer
RCE no. 69278
Amanda M. 5/17/23
signature date



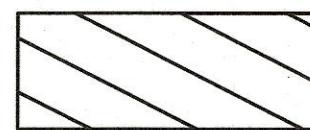
HANNA-BRUNETTI
EST. 1916
CIVIL ENGINEERS - LAND SURVEYORS
CONSTRUCTION MANAGERS
7651 EAGLEBERRY STREET - GILROY - 95020 - CALIFORNIA
OFFICE (408) 842-2173 • FAX (408) 842-3662
EMAIL: ENGINEERING@HANNA-BRUNETTI.COM

Erosion Control Plan
West Edmundson Ave - apn 767-18-048
City File no.
PRINT DATE
SHEET NUMBER
5 OF 6

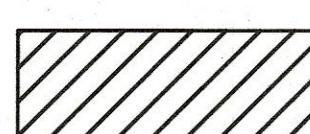
HB JOB NO. 22097



LEGEND



DMA 1 IMPERVIOUS AREA

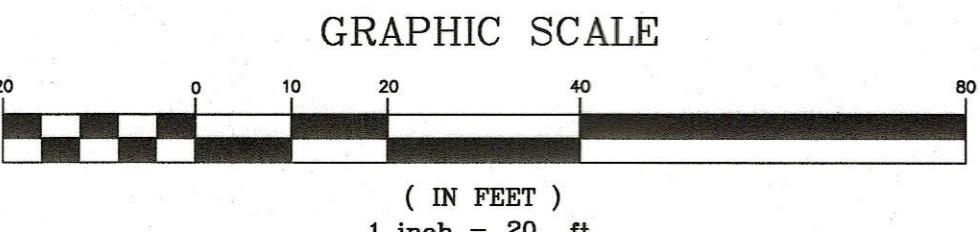


STORMWATER CONTROL MEASURE

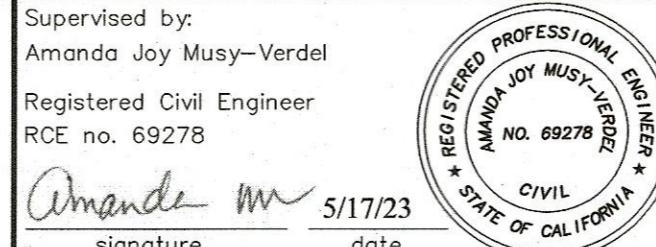


DRAINAGE MANAGEMENT AREA
DELINeATION

AREA SUMMARY TABLE											
TCM ID	DESCRIPTION OF AREA	TOTAL AREA (SF)	IMPERVIOUS AREA (SF)	PERVIOUS AREA (SF)	STORMWATER CONTROL MEASURE	TREATMENT AREA REQ'D	TREATMENT AREA PROVIDED	TIER 3 RETENTION REQ'D	TIER 3 RETENTION PROVIDED	TIER 4 DETENTION REQ'D	TIER 4 DETENTION PROVIDED
DMA 1	SIDEWALK, Hardscape, Landscape	10,865	8,803	2,062	BIORETENTION POND	360 SF (4% RULE)	901 SF	1,571 CF	N/A TECHNICAL INFEASIBILITY	901 CF	907 CF



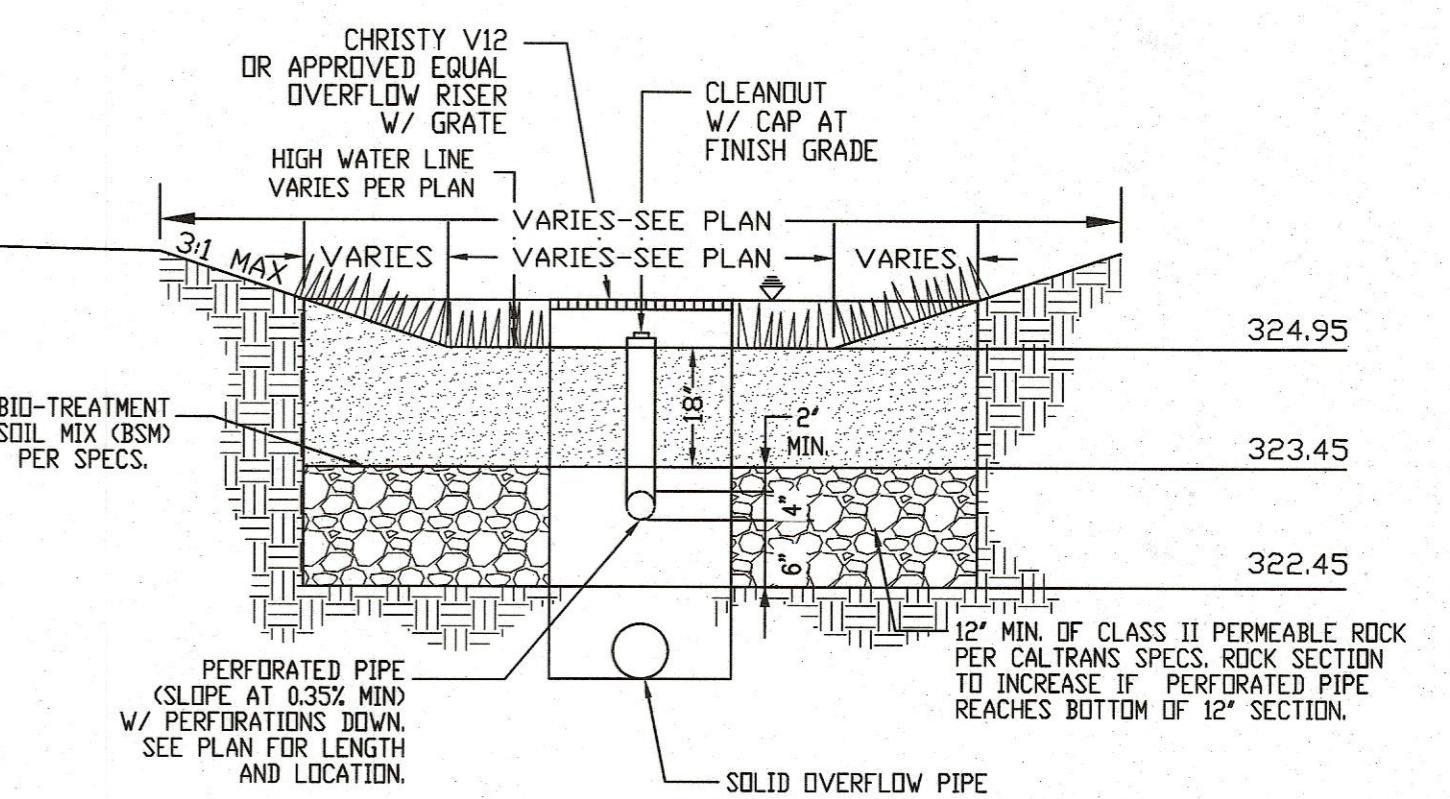
			Work Accepted:	Inspector:	DRAWN	DESIGN	HOR 1"=20'	
			CHECKED		DATE	VERT		
			APPROVED		DATE			
NO.	DESCRIPTION	DATE	BY	As-Built Corrections	APPROVED	DATE	AS BUILT	JOB NUMBER
p:\proj\	Revisions							22097
				By _____ Date: _____				
				Scott C Creer - CITY ENGINEER				
				R.C.E. # 58879				
				6/30/23				



Stormwater Control Plan
West Edmundson Ave - apn 767-18-048

City File no.
PRINT DATE
SHEET NUMBER
6 OF 6

TABLE 1 ROUTINE MAINTENANCE ACTIVITIES FOR BIORETENTION AREAS		
NO.	MAINTENANCE TASK	FREQUENCY OF TASK
1	REMOVE OBSTRUCTIONS, WEEDS, DEBRIS AND TRASH FROM BIORETENTION AREA AND ITS INLETS AND OUTLETS; AND DISPOSE OF PROPERLY.	QUARTERLY, OR AS NEEDED AFTER STORM EVENTS
2	INSPECT BIORETENTION AREA FOR STANDING WATER. IF STANDING WATER DOES NOT DRAIN WITHIN 2-3 DAYS, TILL AND REPLACE THE SURFACE BIOTREATMENT SOIL WITH THE APPROVED SOIL MIX AND REPLANT.	QUARTERLY, OR AS NEEDED AFTER STORM EVENTS
3	CHECK UNDERDRAINS FOR CLOGGING. USE THE CLEANOUT RISER TO CLEAN ANY CLOGGED UNDERDRAINS.	QUARTERLY, OR AS NEEDED AFTER STORM EVENTS
4	MAINTAIN THE IRRIGATION SYSTEM AND ENSURE THAT PLANTS ARE RECEIVING THE CORRECT AMOUNT OF WATER (IF APPLICABLE).	QUARTERLY
5	ENSURE THAT THE VEGETATION IS HEALTHY AND DENSE ENOUGH TO PROVIDE FILTERING AND PROTECT SOILS FROM EROSION. PRUNE AND WEED THE BIORETENTION AREA. REMOVE AND/OR REPLACE ANY DEAD PLANTS.	ANNUALLY, BEFORE THE WET SEASON BEGINS
6	USE COMPOST AND OTHER NATURAL SOIL AMENDMENTS AND FERTILIZERS INSTEAD OF SYNTHETIC FERTILIZERS, ESPECIALLY IF THE SYSTEM USES AN UNDERDRAIN.	ANNUALLY, BEFORE THE WET SEASON BEGINS
7	CHECK THAT MULCH IS AT APPROPRIATE DEPTH (2 - 3 INCHES PER SOIL SPECIFICATIONS) AND REPLENISH AS NECESSARY BEFORE WET SEASON BEGINS. IT IS RECOMMENDED THAT 2" - 3" OF ARBOR MULCH BE REAPPLIED EVERY YEAR.	ANNUALLY, BEFORE THE WET SEASON BEGINS
8	INSPECT THE ENERGY DISSIPATION AT THE INLET TO ENSURE IT IS FUNCTIONING ADEQUATELY, AND THAT THERE IS NO SCOUR OF THE SURFACE MULCH. REMOVE ACCUMULATED SEDIMENT.	ANNUALLY, BEFORE THE WET SEASON BEGINS
9	INSPECT OVERFLOW PIPE TO ENSURE THAT IT CAN SAFELY CONVEY EXCESS FLOWS TO A STORM DRAIN. REPAIR OR REPLACE DAMAGED PIPING.	ANNUALLY, BEFORE THE WET SEASON BEGINS
10	REPLACE BIOTREATMENT SOIL AND MULCH, IF NEEDED. CHECK FOR STANDING WATER, STRUCTURAL FAILURE AND CLOGGED OVERFLOWS. REMOVE TRASH AND DEBRIS. REPLACE DEAD PLANTS.	ANNUALLY, BEFORE THE WET SEASON BEGINS
11	INSPECT BIORETENTION AREA USING THE ATTACHED INSPECTION CHECKLIST.	ANNUALLY, BEFORE THE WET SEASON



SCM #1: TYPICAL BIORETENTION DETAIL
NO SCALE