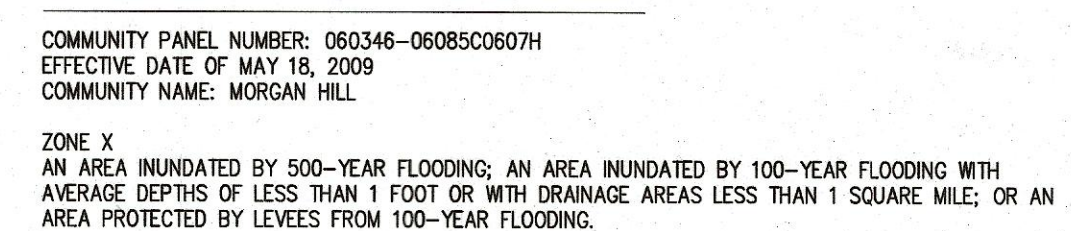


TEMPORARY BENCH MARK – BASED ON A CITY APPROVED BENCHMARK AS SHOWN ON THESE PLANS.
4. ALL EXISTING ELEVATIONS SHALL BE FIELD VERIFIED BY CONTRACTOR UNLESS OTHERWISE NOTED.
5. SURVEY MONUMENTS SHALL BE INSTALLED AT LOCATIONS SHOWN ON THE CORRESPONDING FINAL MAP BEFORE ACCEPTANCE OF THE SURVEY.
6. CONTRACTOR SHALL NOT DESTROY EXISTING PERMANENT SURVEY MONUMENTS.
7. 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.
8. CONTRACTOR SHALL ARRANGE FOR A PRE-CONSTRUCTION MEETING WITH THE CITY ENGINEER (MUNICIPAL CODE 17.32.250B) PRIOR TO COMMENCING ANY CONSTRUCTION. AN ENCROACHMENT PERMIT SHALL BE OBTAINED FROM THE PUBLIC WORKS DEPARTMENT UPON COMPLETION OF SAID MEETING PRIOR TO CONSTRUCTION OF ANY IMPROVEMENTS WITHIN AN EXISTING OR OFFERED FOR DEDICATION RIGHT-OF-WAY, PUBLIC UTILITY EASEMENT OR PUBLIC SERVICE EASEMENT.
9. 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 PRE-CONSTRUCTION MEETING, SHALL CONTRACTOR COMMENCE OFF-SITE GRADING.
10. 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.
11. 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 TO THE CITY ENGINEER'S REPRESENTATIVE.
12. CONTRACTOR SHALL ONLY USE EQUIPMENT PROVIDED WITH A SPARK ARRESTOR DEVICE TO REDUCE A POTENTIAL FIRE HAZARD.
13. RIGHT OF MODIFICATION-APPROVAL OF THIS PLAN DOES NOT RELEASE SUBDIVIDER 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.
14. OFF-SITE WATER & DUST CONTROL:
15. CONTRACTOR SHALL PROVIDE A WATER TRUCK ONSITE 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 SHALL BE REQUIRED PRIOR TO ANY USE OF THE TRUCK FOR 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 THE PROJECT AT THE END OF EACH WORKING DAY.
16. MATERIAL STORAGE:
17. 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.
18. DELETED
19. TRENCH EXCAVATION:
20. CONTRACTOR SHALL EXERCISE DILIGENCE IN REVIEWING 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 BE CAUTIONED 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 3/8" 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. TRENCH EXCAVATION MATERIAL DEPOSITED ADJACENT TO THE TRENCH SHALL BE PLACED AND LOCATED TO PREVENT SPILLAGE INTO THE OPEN TRENCH.
21. TRENCH SAFETY:
22. 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-OSHA GUIDELINES. CONTRACTOR SHALL PROVIDE EVIDENCE OF A CAL-OSHA TRENCHING PERMIT AT THE PRECONSTRUCTION MEETING.
23. DELETED
24. JOINING EXISTING PAVEMENT:
25. 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 SURFACING TO A SMOOTH BUTT JOINT. CONFORM PAVING BY METHOD OF ABRASIVE GRINDING WILL BE ALLOWED UPON APPROVAL OF THE CITY ENGINEER.
26. WATER LINES:
27. CONTRACTOR SHALL NOT TURN OFF OR ON ANY VALVES BELONGING TO THE CITY'S WATER SYSTEM. ONLY DEPARTMENT OF PUBLIC WORKS PERSONNEL SHALL BE ALLOWED TO OPERATE THESE 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.
28-26. DELETED

BACKFILL & COMPACTION:
29. BACKFILL MATERIAL SHALL BE HAND PLACED AND COMPACTED UP TO AT LEAST 6" ABOVE THE PIPE. WHEN USING NATIVE SOIL AS TRENCH BACKFILL, THE MINIMUM COVER SHALL BE 12".
30. SETTING 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 ONSITE IN AREAS AND AT DEPTHS DESIGNATED BY THE OWNER, AND WITH APPROVAL OF THE CITY ENGINEER.
31. THE MINIMUM RELATIVE COMPACTION FOR TRENCH BACKFILL, SUBGRADE AND BASE MATERIAL SHALL BE 95% THROUGHOUT THE PROJECT. UNLESS OTHERWISE SPECIFIED IN THE SOILS REPORT AND APPROVED BY THE CITY ENGINEER.
32. 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.
33. ANY AGGREGATE BASE THAT BECOMES CONTAMINATED DURING CONSTRUCTION SHALL BE REMOVED AND REPLACED WITH UNCONTAMINATED BASE. EROSION AND SEDIMENT CONTROL:
34. EROSION CONTROL 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 (CASQA) FOR STORMWATER BEST MANAGEMENT PRACTICES (BMP'S). CONTRACTOR SHALL BE RESPONSIBLE FOR INITIATING THE REQUIRED EROSION CONTROL MEASURES.
35. DELETED
36. DELETED
37. STOCK PILES: ALL STOCK PILES SHALL BE PROPERLY COVERED AND SECURED WITH 10 MIL VAPOR BARRIER.

[illegible]

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

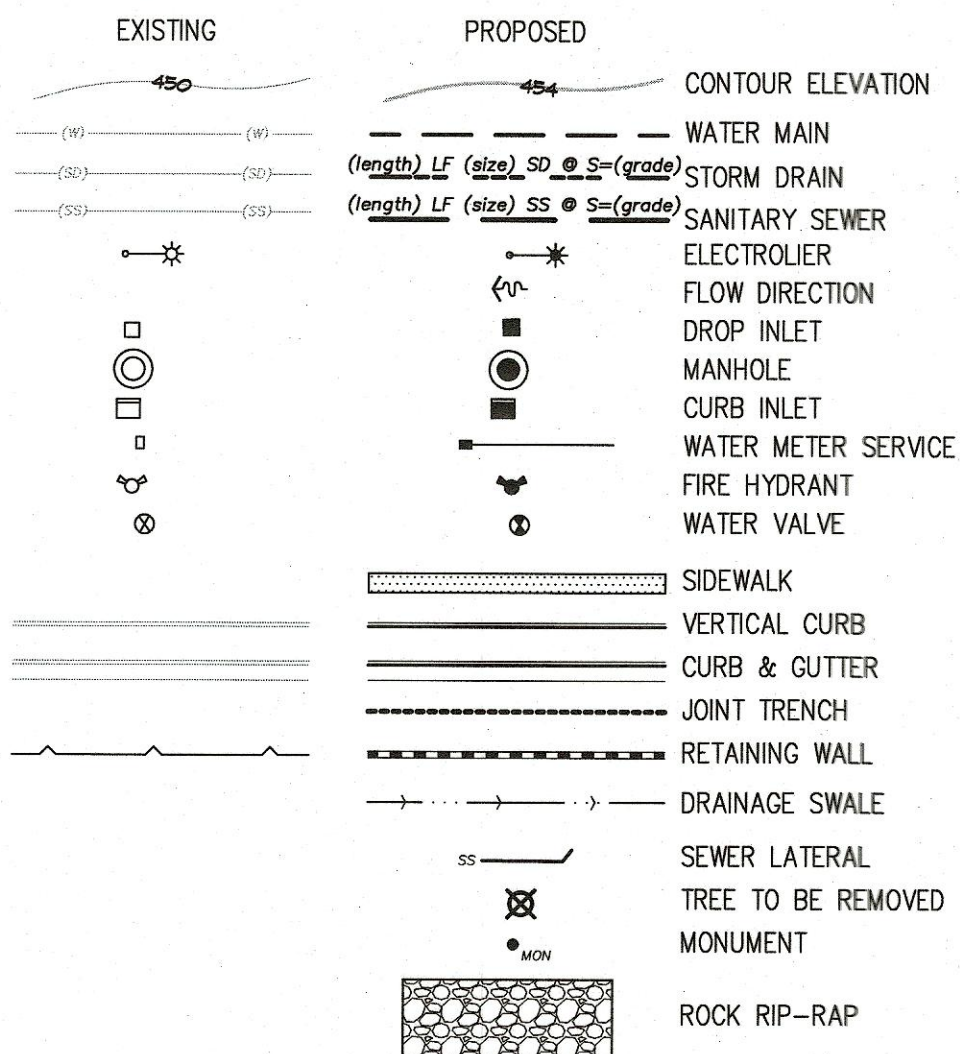
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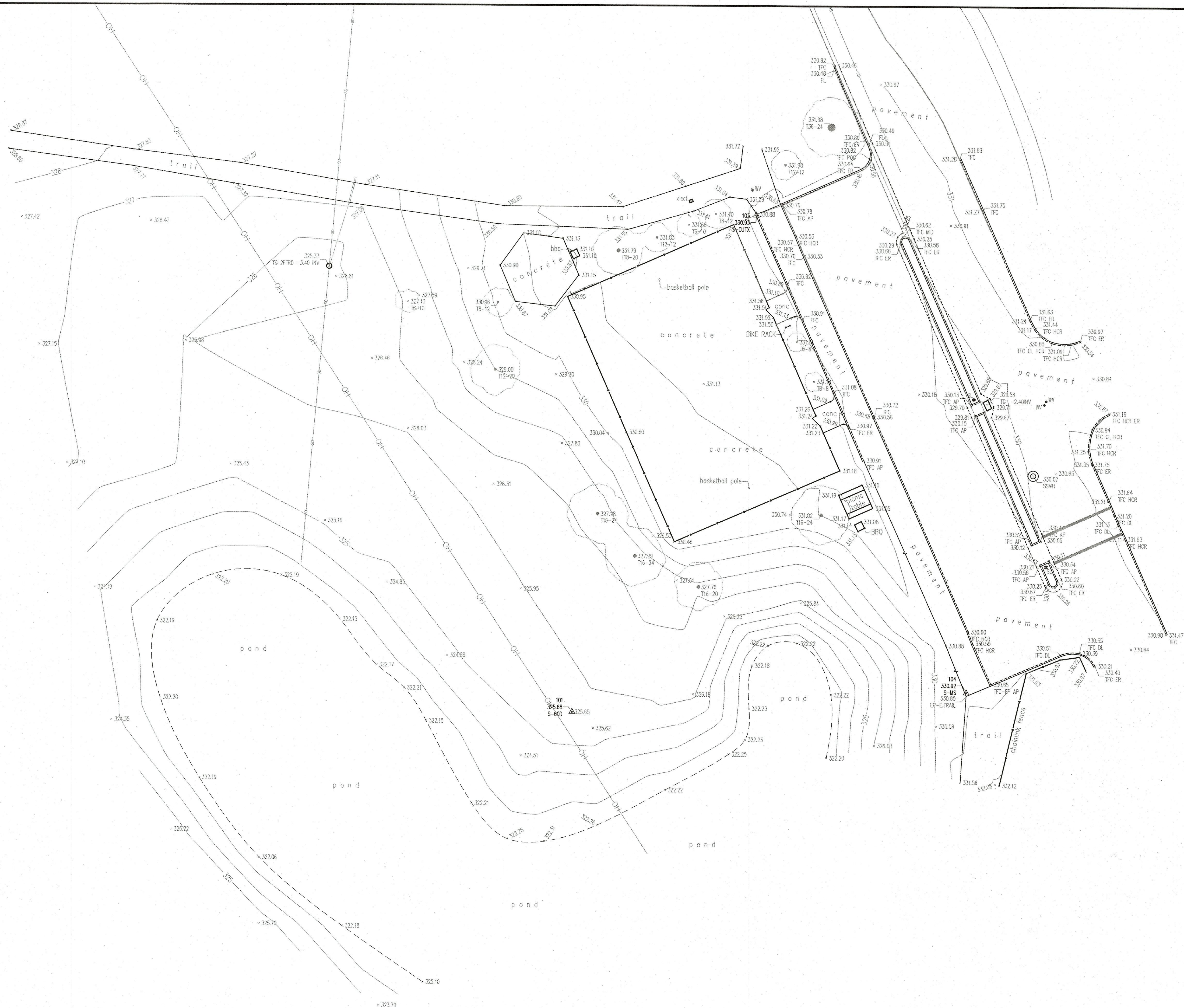
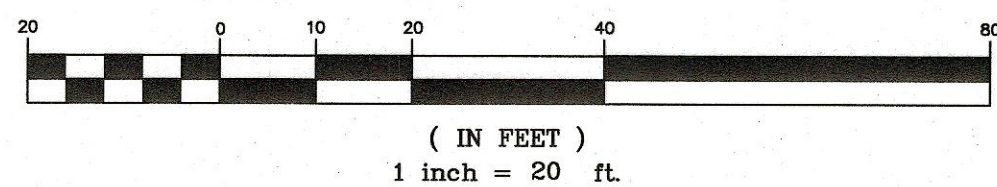
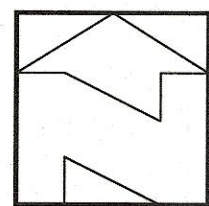
ABBREVIATIONS

AC	ASPHALT CONCRETE	EP	EDGE OF PAVEMENT	P.S.E.	PUBLIC SERVICE EASEMENT
AB	AGGREGATE BASE	ER	END OF RETURN	P.S.D.E.	PRIVATE STORM DRAIN EASEMENT
AD	AREA DRAIN	ESMT	EASEMENT	P.S.S.E.	PRIVATE SANITARY SEWER EASEMENT
AGG	AGGREGATE	(E)	EXISTING	P.U.E.	PUBLIC UTILITY EASEMENT
BC	BEGINNING OF CURVE	EX	EXISTING	PVI	POINT OF VERTICAL INTERSECTION
BPD	BACKFLOW PREVENTER DEVICE	FF	FINISH FLOOR	PVC	POLYVINYL CHLORIDE PIPE
BLDG	BUILDING	FG	FINISH GRADE	R	RADIUS
BOC	BACK OF CURB	FG	FIRE HYDRANT	RCP	REINFORCED CONCRETE PIPE
BO	BLOW OFF	FL	FLOWLINE	R/W	RIGHT OF WAY
BOT	BOTTOM	FOC	FACE OF CURB	RWL	RAINWATER LEADER
BOW	BACK OF WALK	GL	GAS LINE	S	SLOPE
BW	BOTTOM OF WALL	GM	GAS METER	SD	STORM DRAIN PIPE
BWF	BARBWIRE FENCE	GB	GRADE BREAK	SS	SANITARY SEWER PIPE
CATV	CABLE TELEVISION	CUY	GUY WIRE FOR POLE	STM	STORM DRAIN MANHOLE
CB	CATCH BASIN	GV	GATE VALVE	SS MH	SANITARY SEWER MANHOLE
C&G	CURB & GUTTER	HDPE	HIGH DENSITY POLYETHYLENE	SP	SERVICE POLE
CI	CURB INLET	HMA	HOT MIX ASPHALT	STD	STANDARD
CL	CENTERLINE	HP	HIGH POINT	SQ	SQUARE
CMJ	CORRUGATED METAL PIPE	INV	INVERT OF PIPE	SW	SIDEWALK
CMU	CONCRETE MASONRY UNIT	IP	IRON PIPE	T	TELEPHONE LINE
CO	CLEAN OUT	JP	JOINT POLE	TBM	TEMPORARY BENCHMARK
CONC	CONCRETE	JT	JOINT TRENCH	TC	TOP OF CURB
CONST	CONSTRUCTION	LF	LINEAR FEET	TCM	TREATMENT CONTROL MEASURES
DDCV	DOUBLE DETECTOR CHECK	LP	LOW POINT	TFC	TOP FACE OF CURB
		MAX	MAXIMUM	TG	TOP OF GRATE
DI	DIP	MIN	MINIMUM	TOB	TOP OF BANK
DIP	DUCTILE IRON PIPE	N.I.C.	NOT IN CONTRACT	TOE	TOE OF BANK
DMA	DRAINAGE MANAGEMENT AREA	(N)	NEW	TW	TOP OF WALL
DS	DOWNSPOUT	CHU	OVERHEAD UTILITY	TYP	TYPICAL
DWY	DRIVEWAY	(P)	PROPOSED	W	WATER LINE
E	ELECTRIC LINE	PB	PULL BOX	WM	WATER METER
EC	END OF CURVE	PCC	PORTLAND CONCRETE CEMENT	WV	WATER VALVE
EG	EXISTING GRADE	PL	PROPERTY LINE		
ELEV	ELEVATION	PRC	POINT REVERSE CURVE		

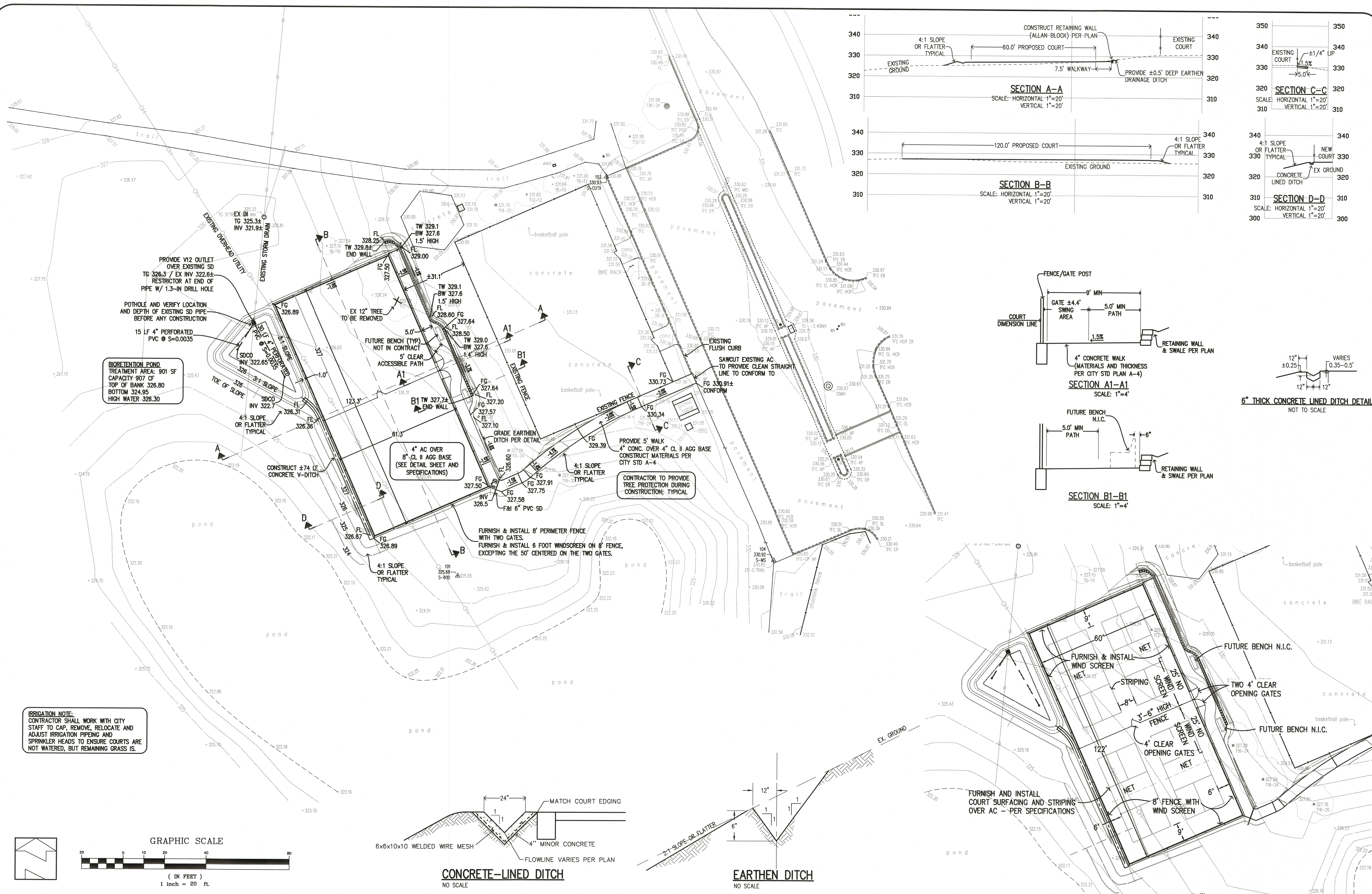
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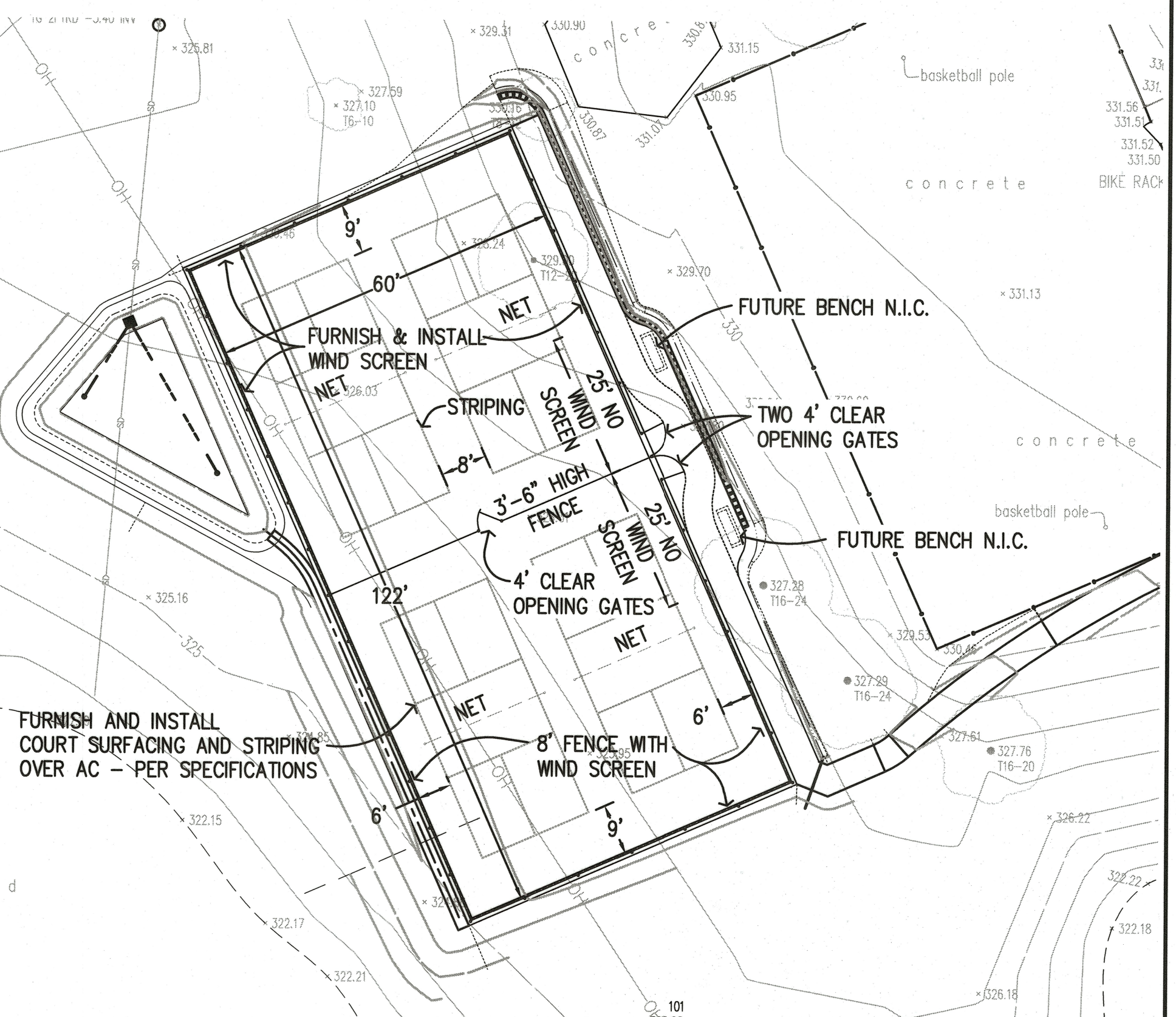
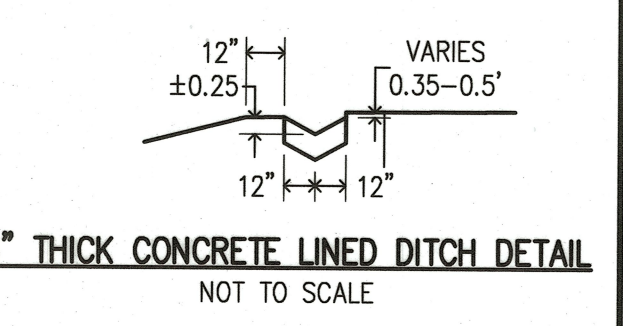
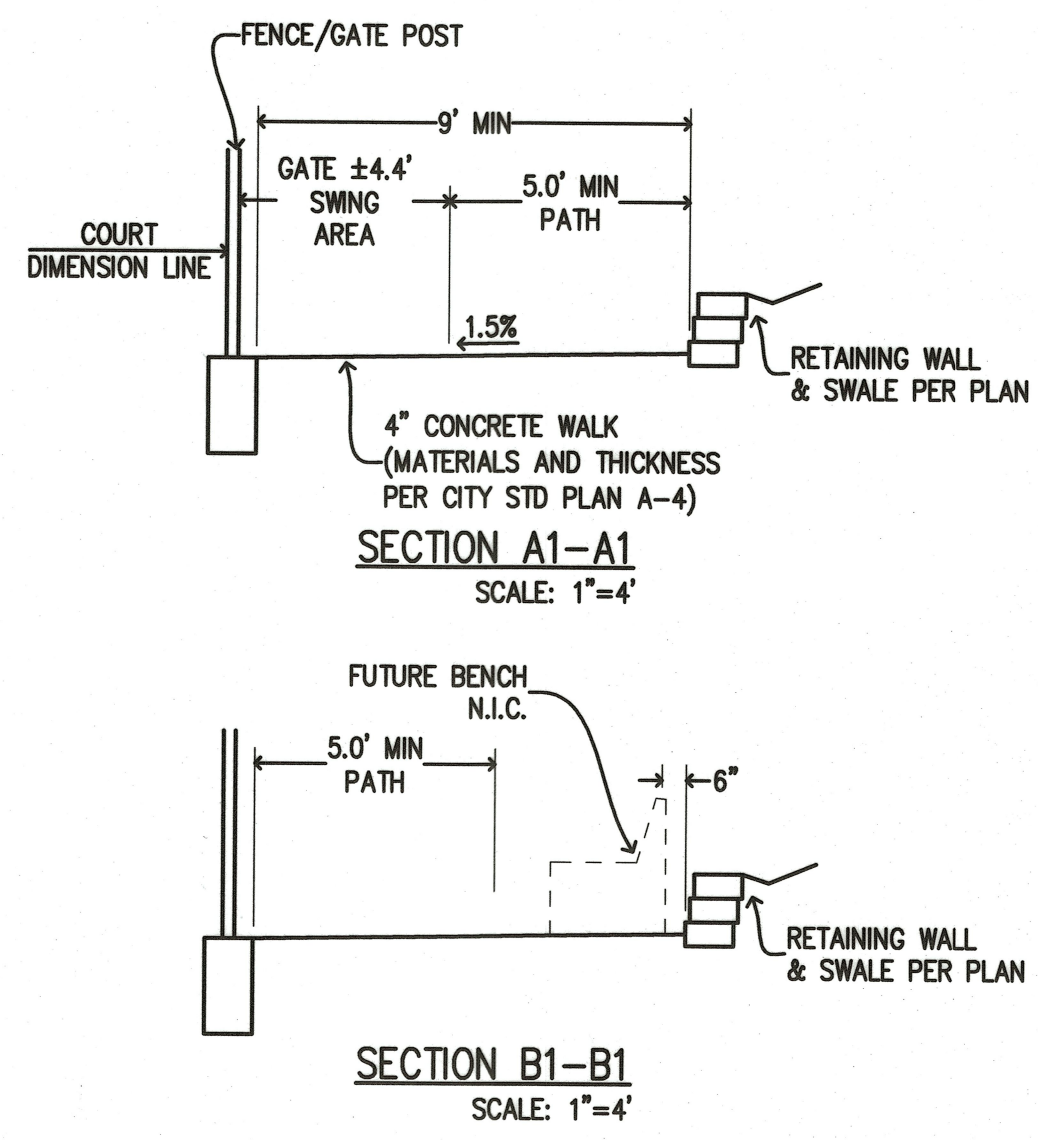
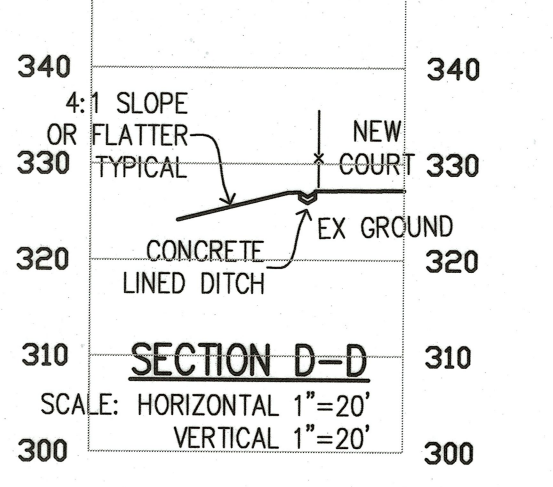
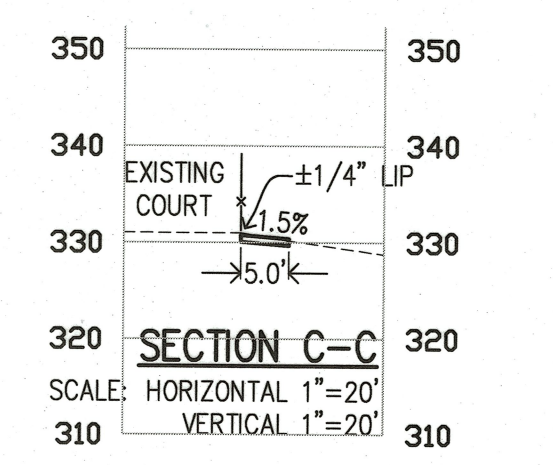
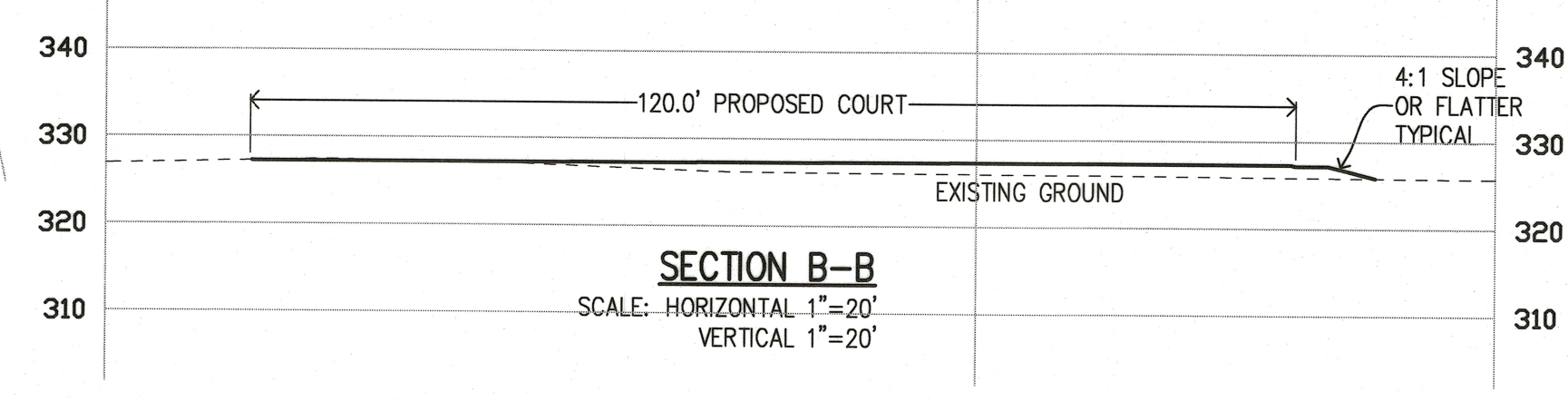
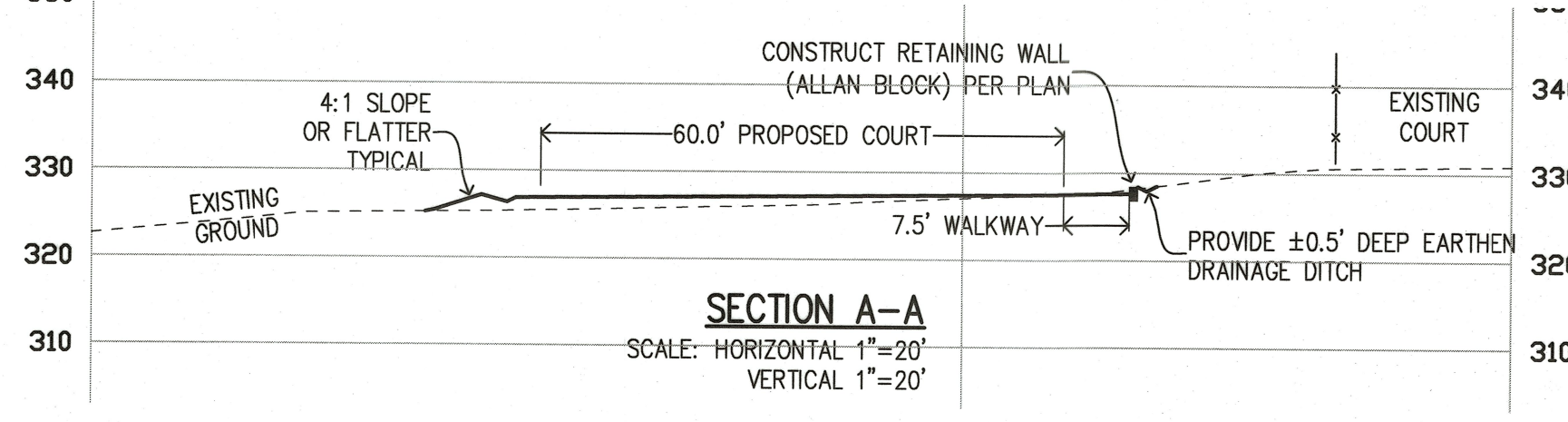
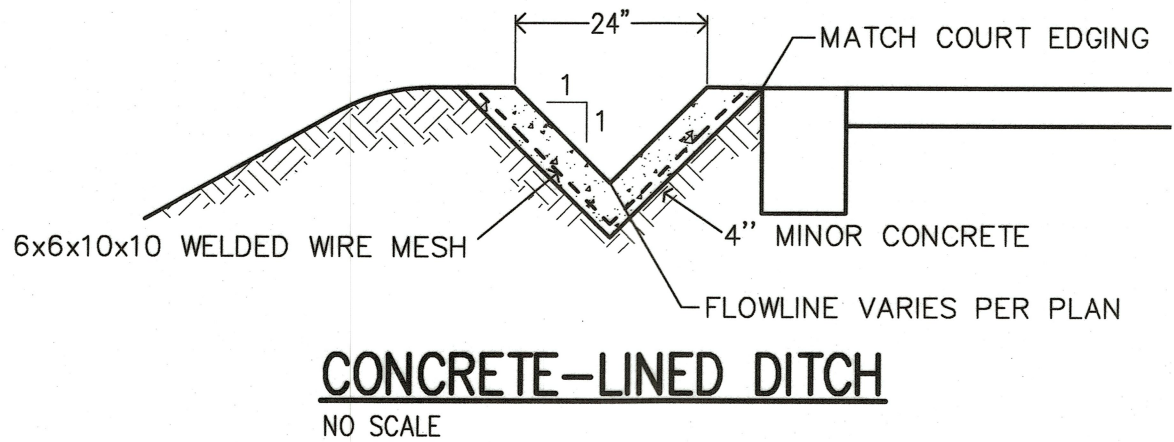
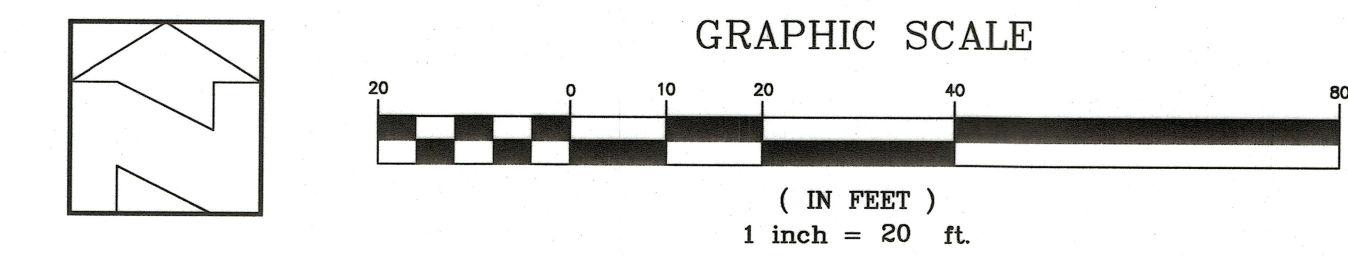
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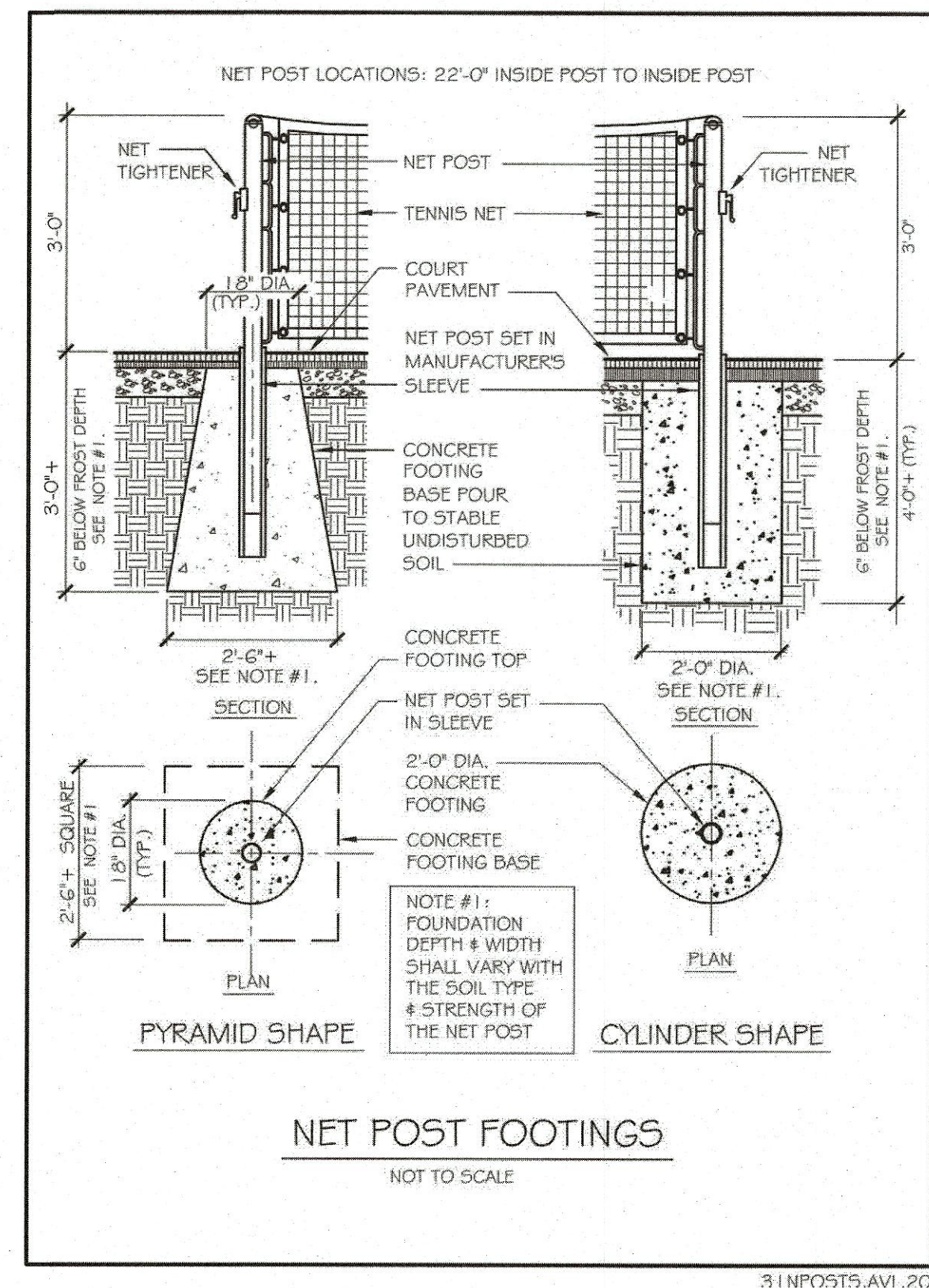
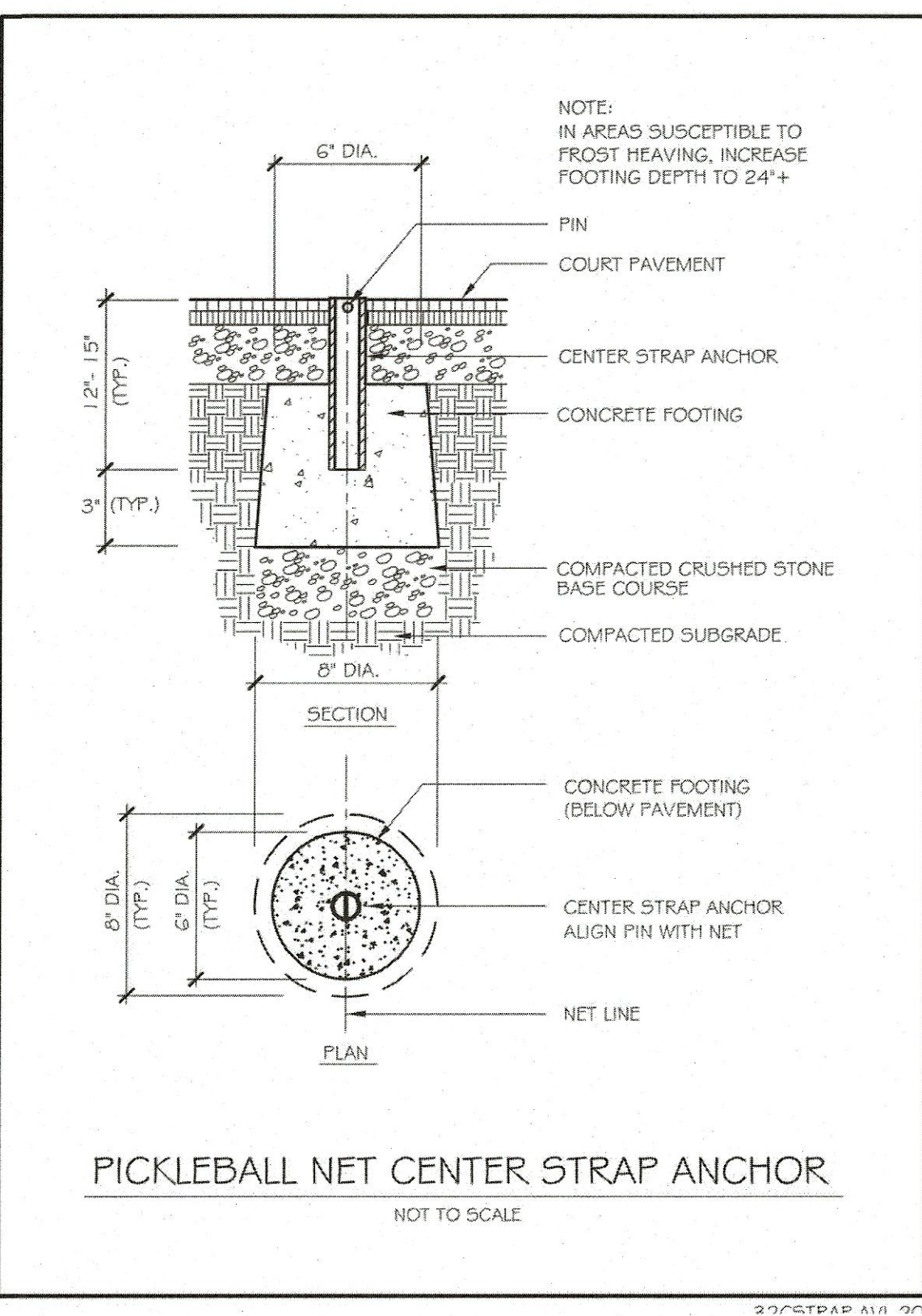
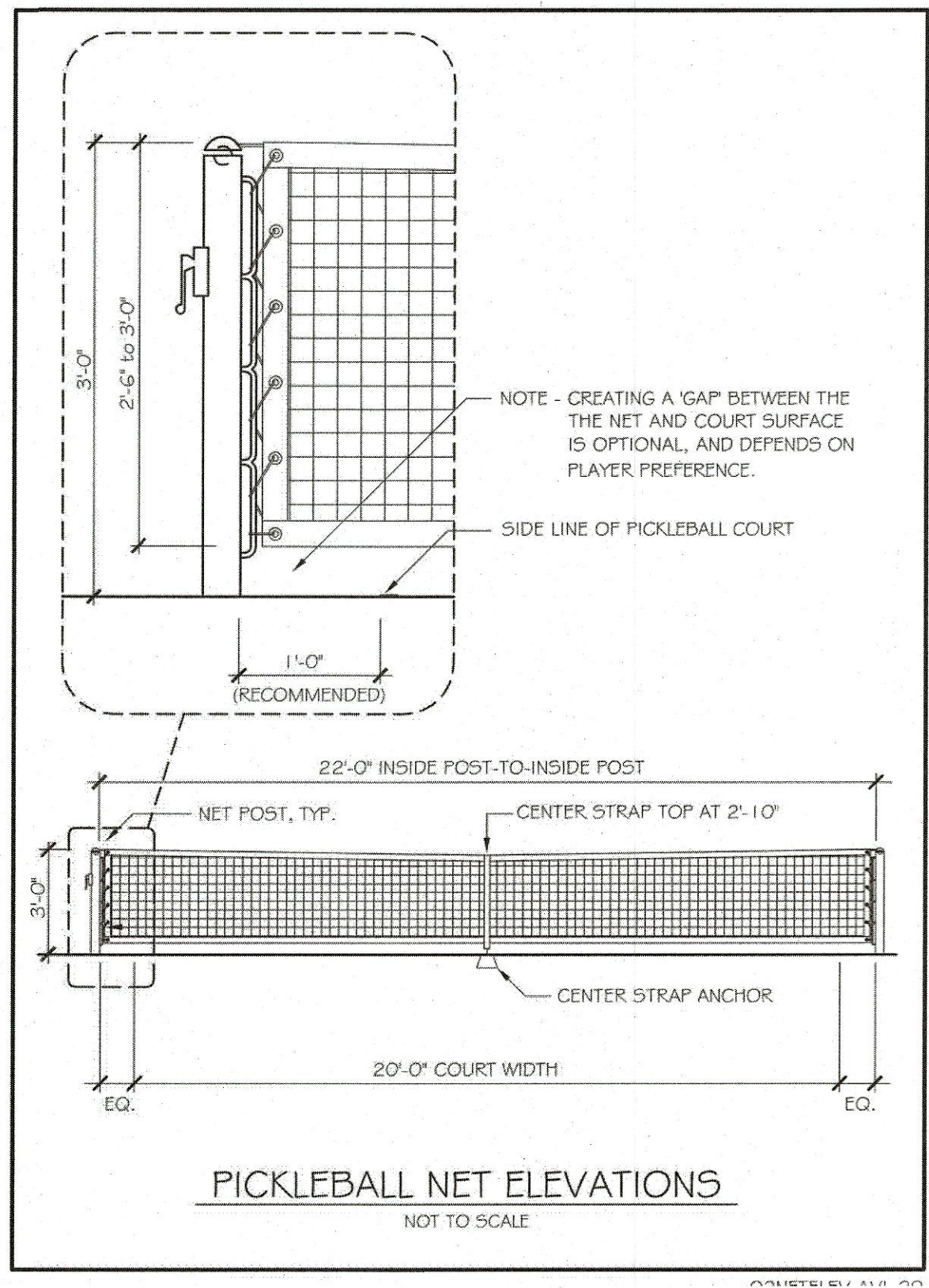
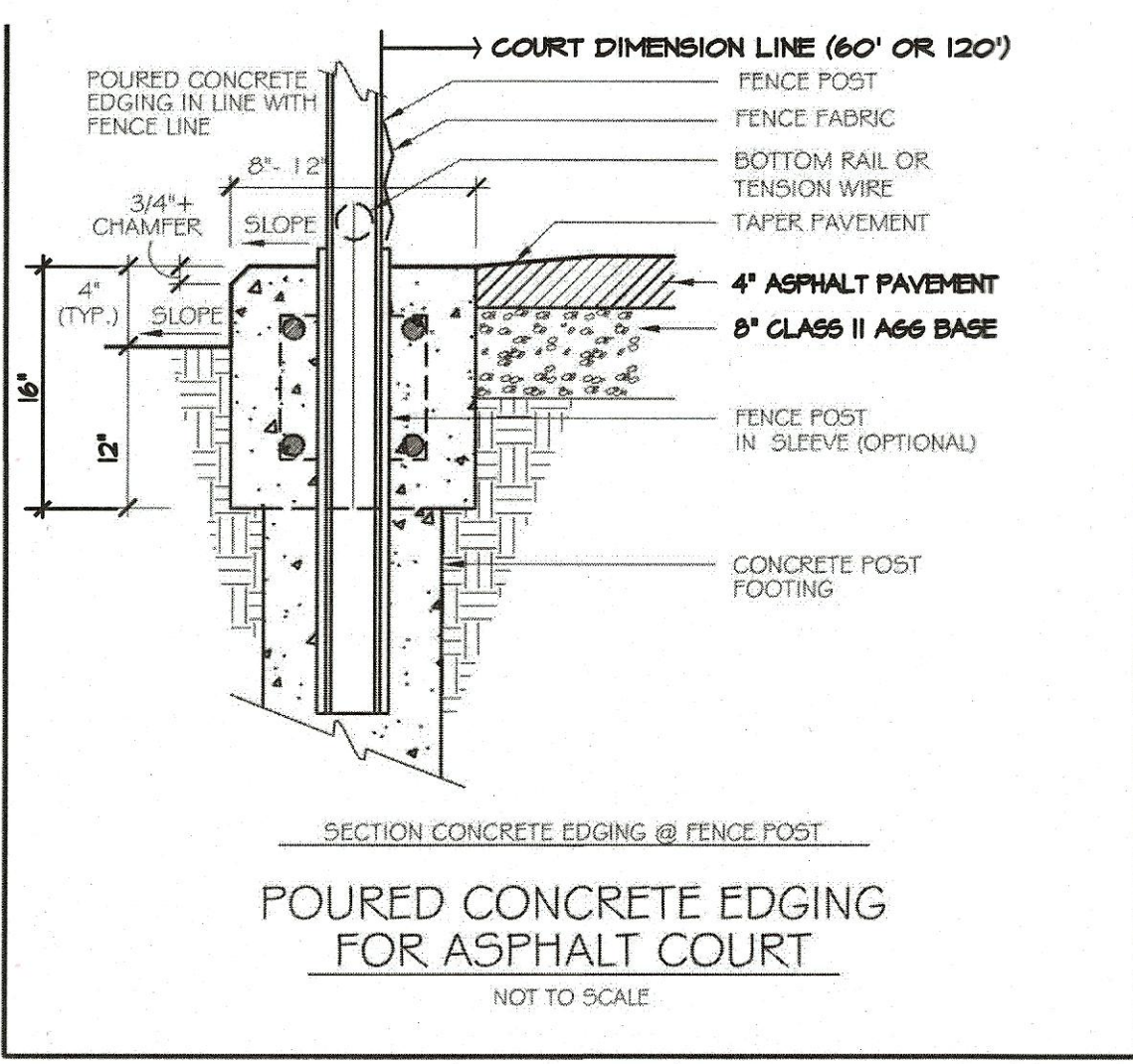
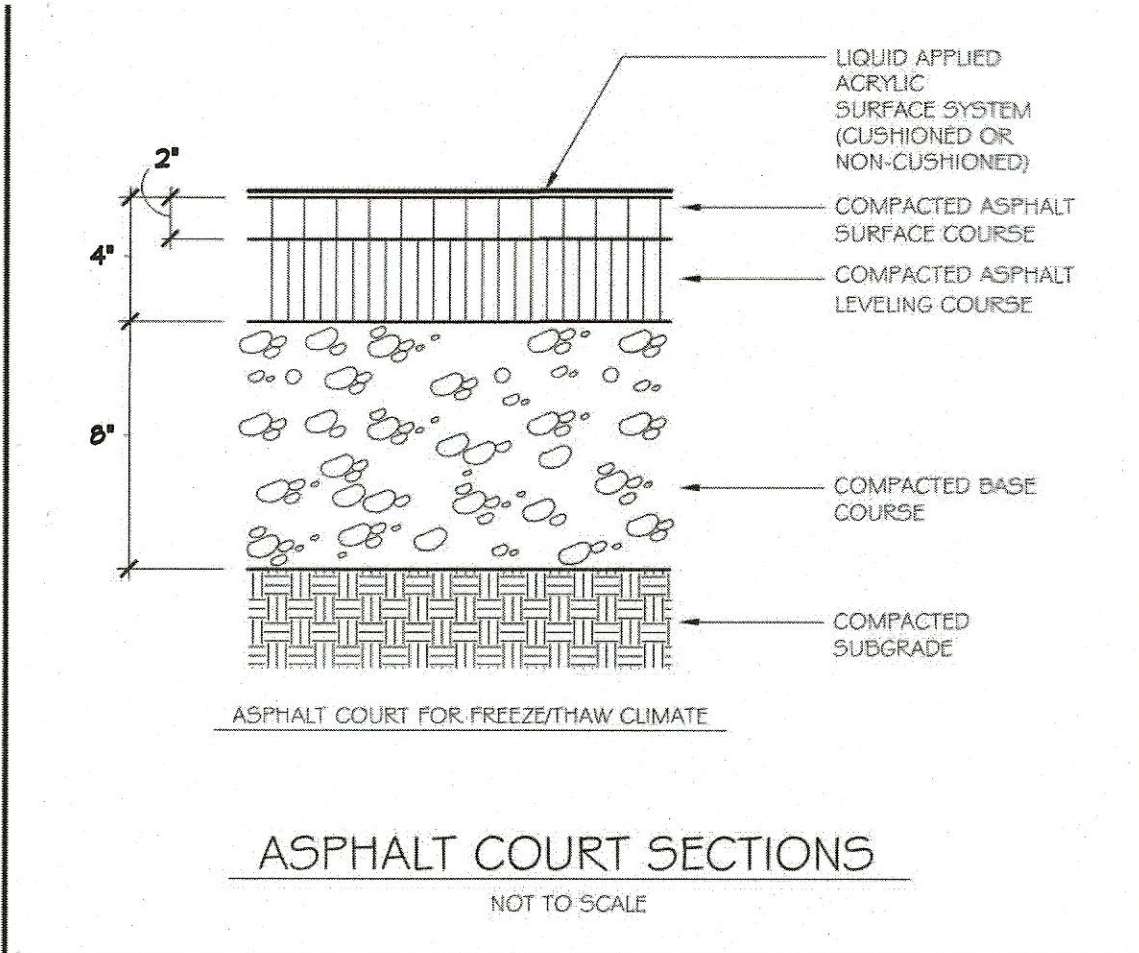
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Revisions				As-Built Corrections	CHECKED	DATE	VERT
p:\proj\				By: _____ Date: _____	APPROVED	DATE 5/24/23	AS BUILT
				Scott C Orner - CITY ENGINEER R.C.E. # 58879	6/30/23	JOB NUMBER 22097	
				City of Morgan Hill Public Works Department 17575 Peak Avenue, Morgan Hill - California - 95037 (408) 776-8480 - fax (408) 779-7236		Supervised by: Amanda Joy Musy-Verdel Registered Civil Engineer RCE no. 69278 signature date 5/17/23	
				HANNA-BRUNETTI CIVIL ENGINEERS • LAND SURVEYORS CONSTRUCTION MANAGERS 7651 EGGLEBERRY STREET • GILROY • 95020 • CALIFORNIA OFFICE (408) 842-2173 • FAX (408) 842-3662 EMAIL: ENGINEERING@HANNABRUNETTI.COM		Existing Conditions Plan West Edmundson Ave-apn 767-18-048	
				City File no.		PRINT DATE	
				SHEET NUMBER 2 OF 6			



IRRIGATION NOTE:
CONTRACTOR SHALL WORK WITH CITY
STAFF TO CAP, REMOVE, RELOCATE AND
ADJUST IRRIGATION PIPING AND
SPRINKLER HEADS TO ENSURE COURTS ARE
NOT WATERED, BUT REMAINING GRASS IS.



NO. DESCRIPTION DATE BY				Work Accepted: Inspector:	DRAWN	DESIGN	HOR	City of Morgan Hill		Supervised by:	HANNA-BRUNETTI	Grading & Drainage Plan West Edmundson Ave - apn 767-18-048	City File no. PRINT DATE SHEET NUMBER 3 OF 6
Revisions				As-Built Corrections	CHECKED	DATE	VERT	Public Works Department		Registered Civil Engineer			
p:\proj\				By: _____ Date: _____	APPROVED	DATE	AS BUILT	17575 Peak Avenue, Morgan Hill - California - 95037		5/17/23			
					Scott C. Over - CITY ENGINEER	6/30/23	JOB NUMBER	(408) 776-6480 - fax (408) 779-7236		signature			
					R.C.E. # 58879		22097	CITY OF MORGAN HILL		date			

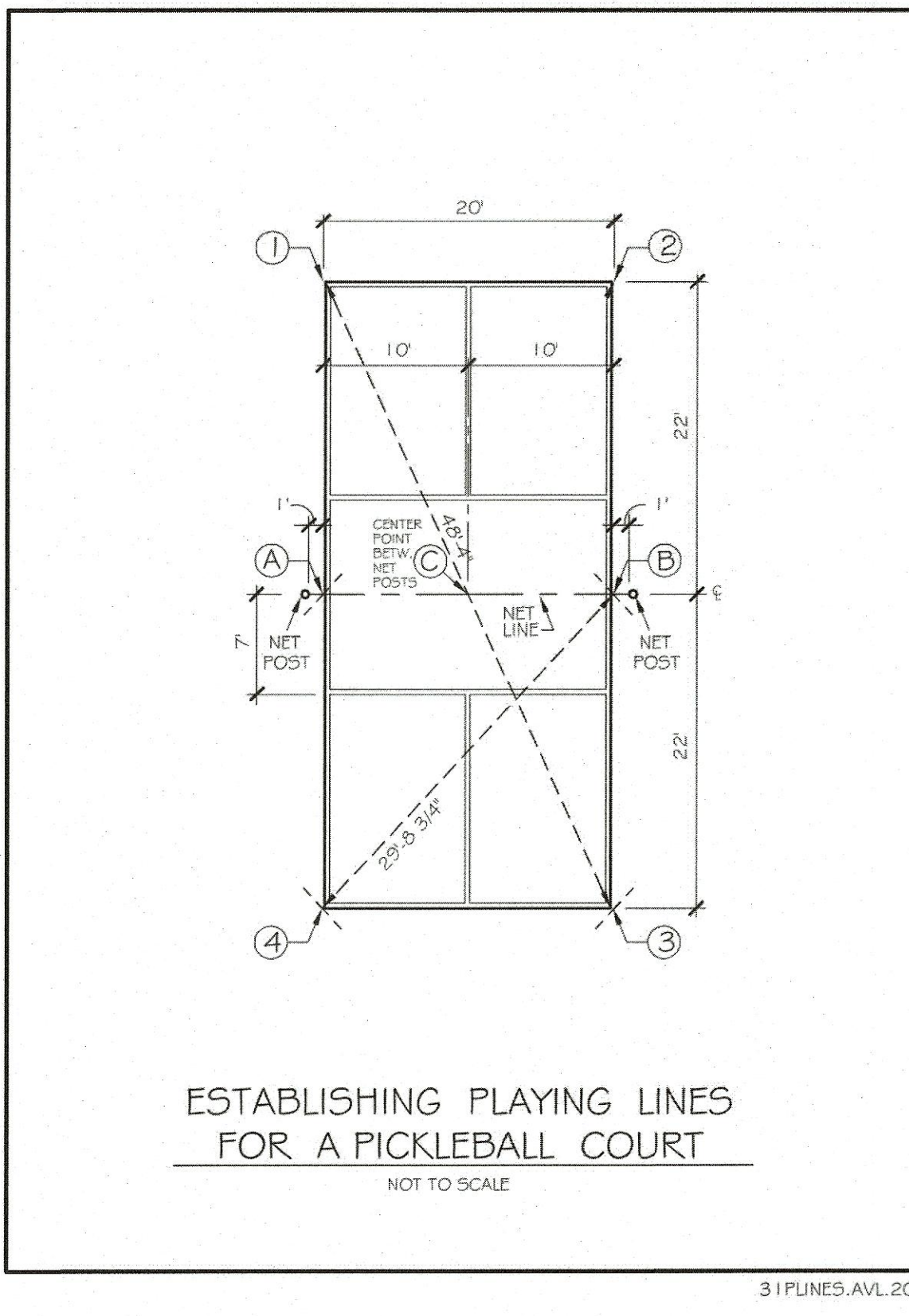
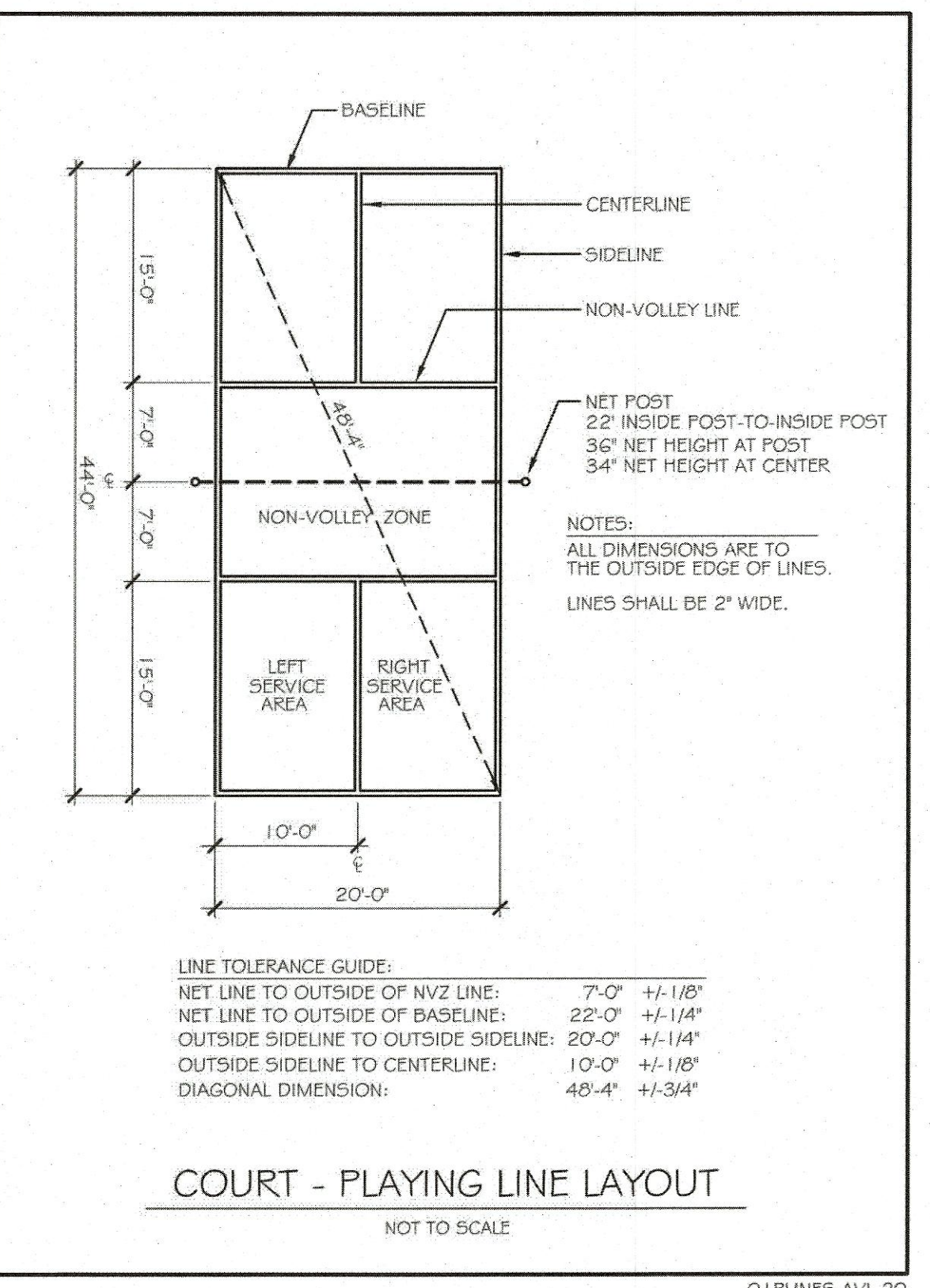
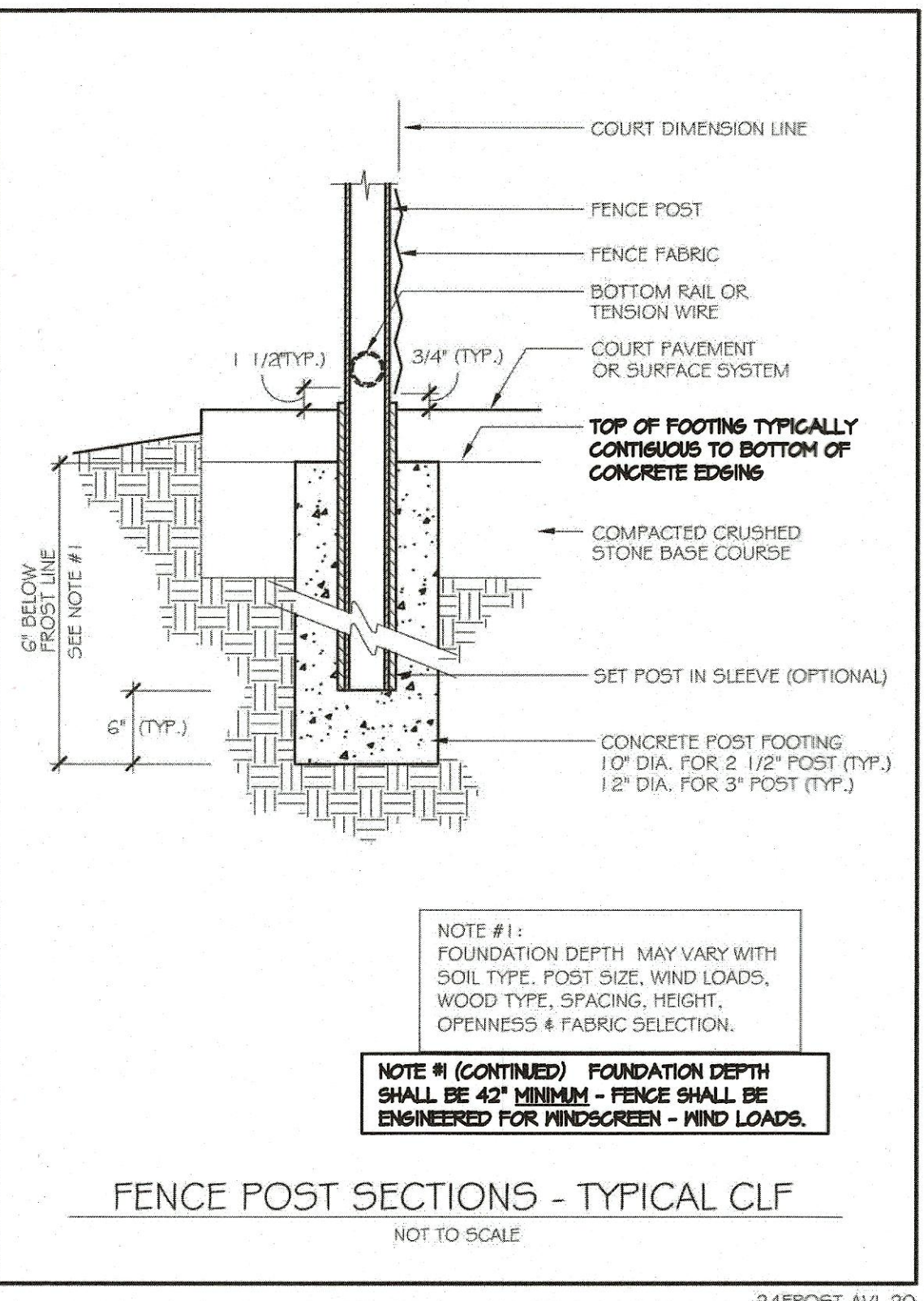


Ordering Code	Item	Approx. Shipping Weight	Description
V12BOX	BOX	177	V12 Drain Box (12 x 12") H/20 Loading, bolt down Interchangeable with Brooks #1212 Box - 12 per pallet
V12-71W	GRATE	34	Welded, steel cross bars, H/20 loading, galvanized
V12X12	EXTENSION	120	12" Reinforced concrete - 12 per pallet

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Enclosure Solutions
WADSWORTH/IRVING/PHOENIX
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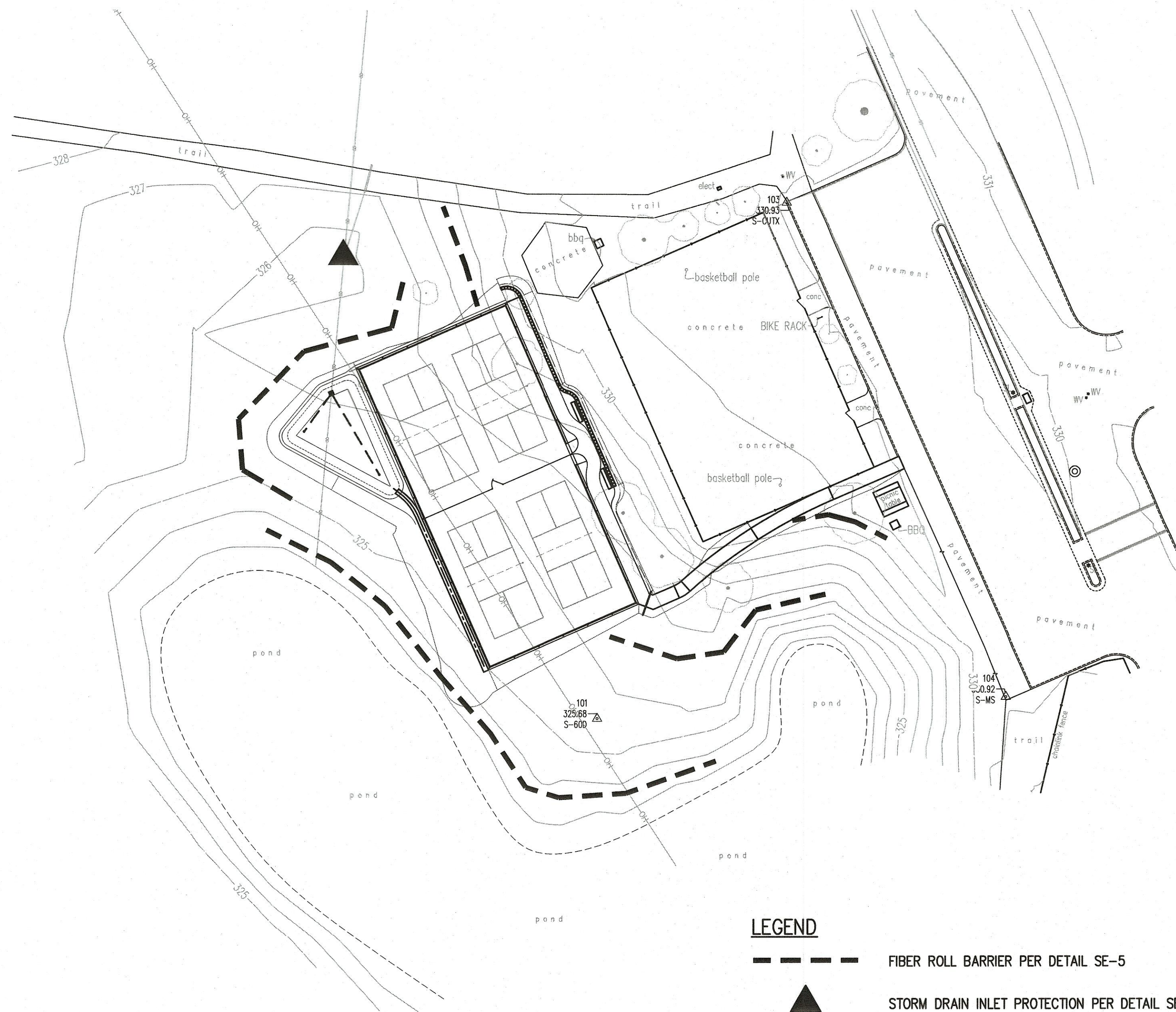
V12 DRAIN BOX
FILE NAME: V12_ISO
DATE: January, 2009
www.oldcastleprecast.com

V12 DRAIN BOX
12" x 12"
Christy



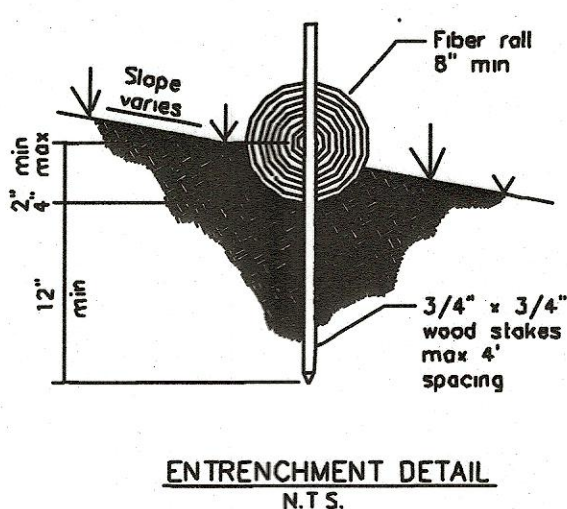
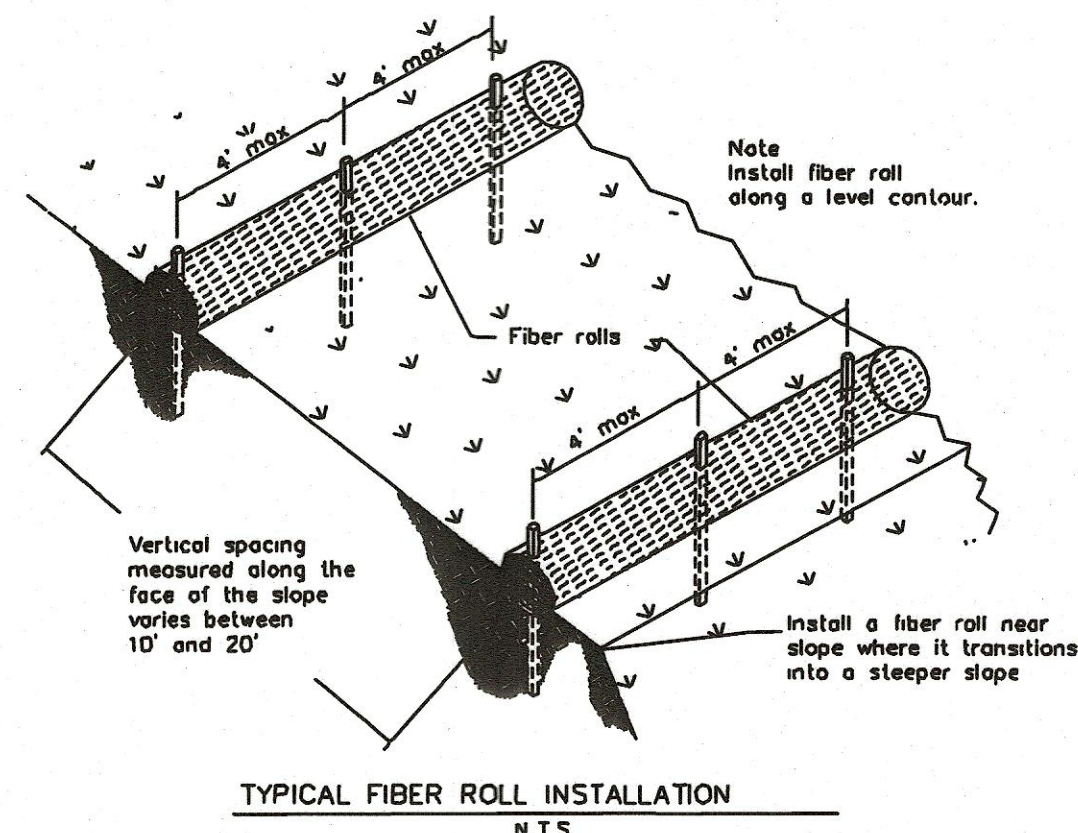
FENCING TO MATCH EXISTING AT BASKETBALL COURTS AND BE 8 FOOT TALL, 2 INCH 4 GAUGE GALVANIZED METAL MESH

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



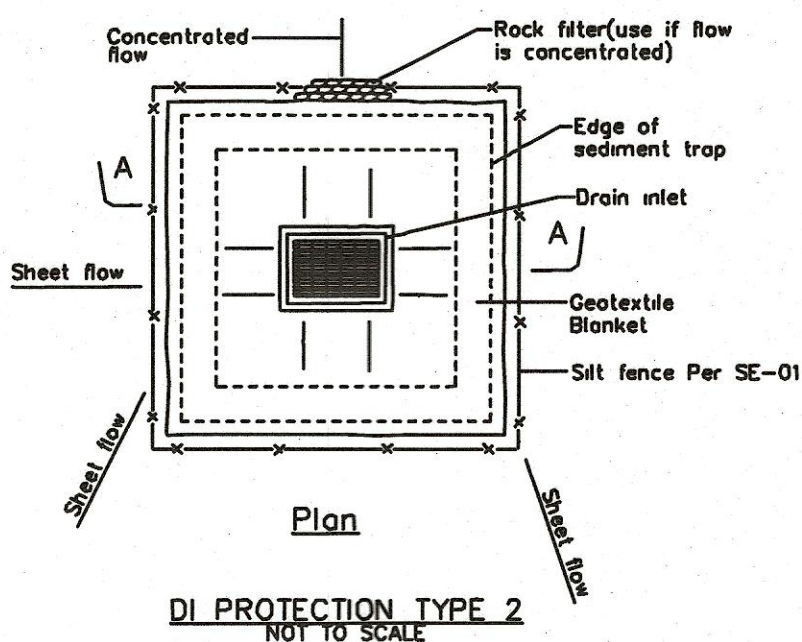
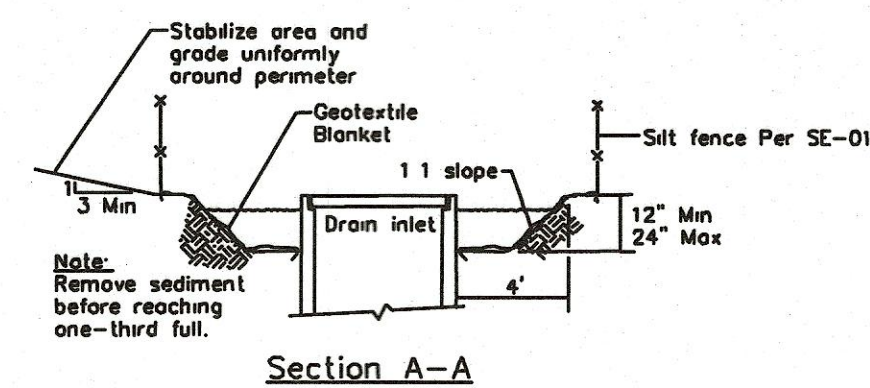
SE-5

Fiber Rolls



Storm Drain Inlet Protection

SE-10



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 INSTALL 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 "SO 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. CONTRATOR 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. F 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.

Erosion Control Plan

West Edmundson Ave - apn 767-18-048

City File no.
PRINT DATE
SHEET NUMBER
5 OF 6

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

DRAWN	DESIGN	HOR
CHECKED	DATE	VERT
APPROVED	DATE	AS BUILT
Scott C. Green - CITY ENGINEER	5/14/23	
R.C.E. # 58879	6/30/23	JOB NUMBER 22097

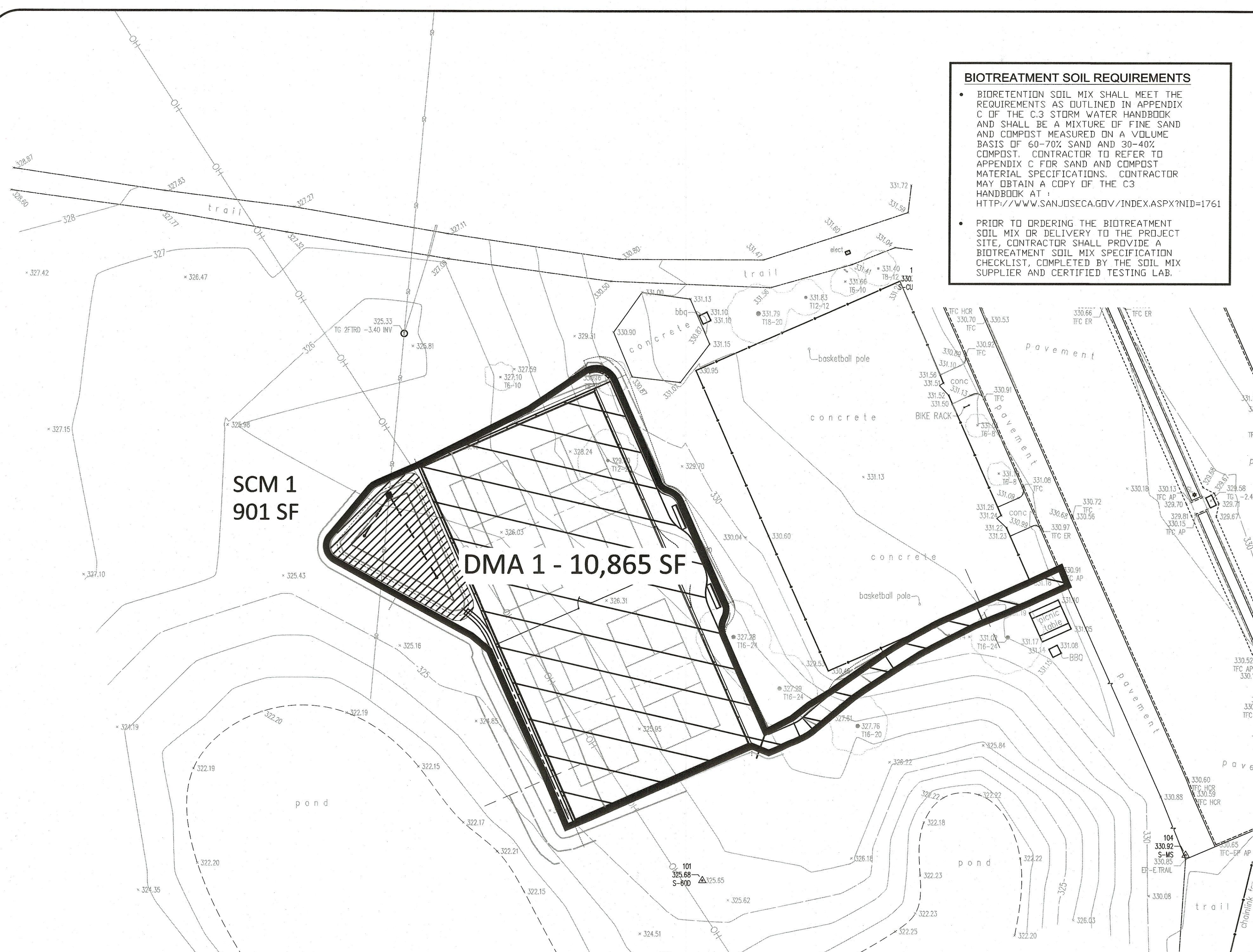


City of Morgan Hill
Public Works Department
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Supervised by:
Amanda Joy Musy-Verdel
Registered Civil Engineer
RCE no. 69278
signature date



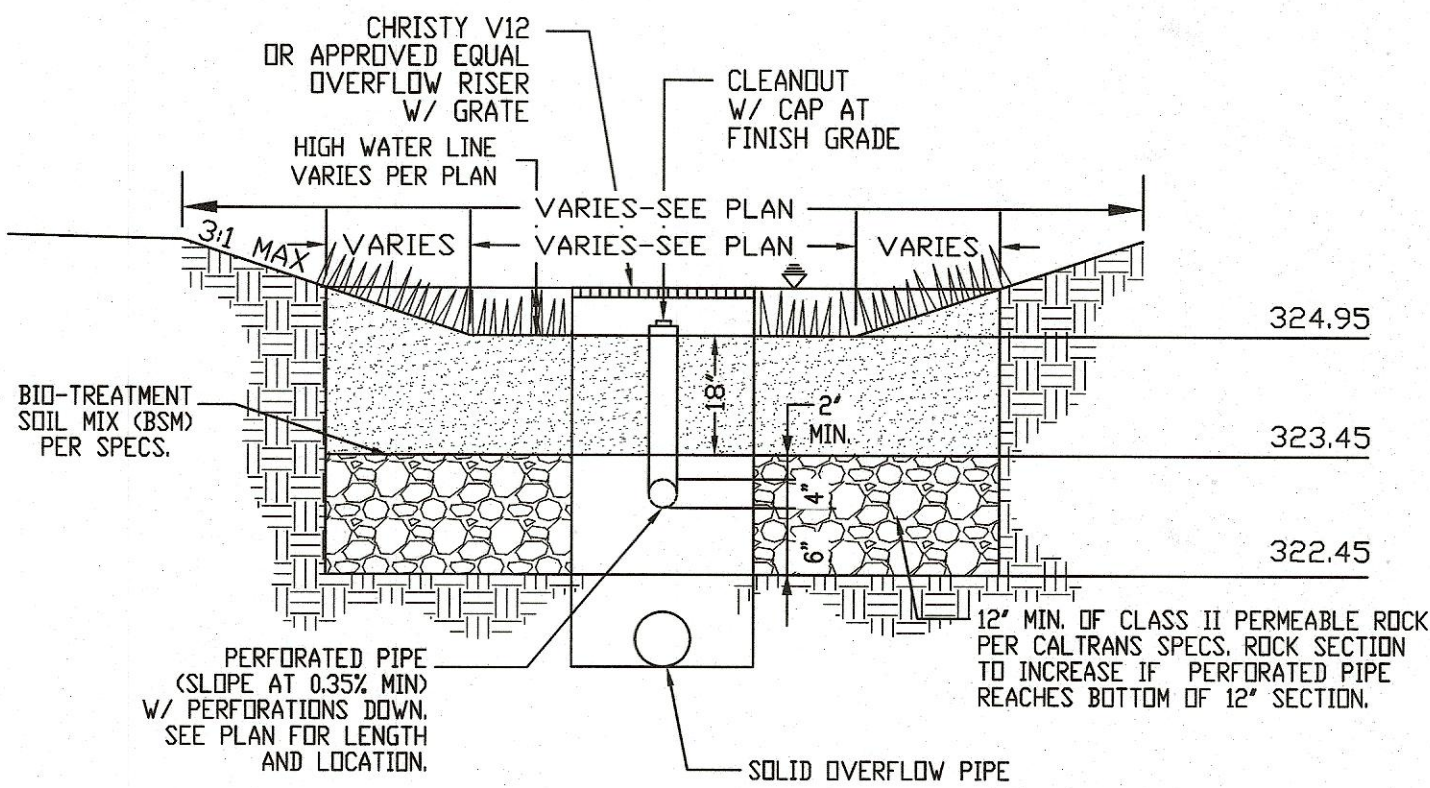
HANNA-BRUNETTI
EST. 1988
CIVIL ENGINEERS - LAND SURVEYORS
CONSTRUCTION MANAGERS
7651 EIGLEBERRY STREET • GILROY • 95020 • CALIFORNIA
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BIOTREATMENT SOIL REQUIREMENTS

- BIOTRETENTION SOIL MIX SHALL MEET THE REQUIREMENTS AS OUTLINED IN APPENDIX C OF THE C-3 STORM WATER HANDBOOK AND SHALL BE A MIXTURE OF FINE SAND AND COMPOST MEASURED ON A VOLUME BASIS OF 60-70% SAND AND 30-40% COMPOST. CONTRACTOR TO REFER TO APPENDIX C FOR SAND AND COMPOST MATERIAL SPECIFICATIONS. CONTRACTOR MAY OBTAIN A COPY OF THE C-3 HANDBOOK AT : [HTTP://WWW.SANJOECA.GOV/INDEX.ASPX?NID=1761](http://www.sanjoecga.gov/index.aspx?nid=1761)
- PRIOR TO ORDERING THE BIOTREATMENT SOIL MIX OR DELIVERY TO THE PROJECT SITE, CONTRACTOR SHALL PROVIDE A BIOTREATMENT SOIL MIX SPECIFICATION CHECKLIST, COMPLETED BY THE SOIL MIX SUPPLIER AND CERTIFIED TESTING LAB.

TABLE 1 ROUTINE MAINTENANCE ACTIVITIES FOR BIOTRETENTION AREAS		
NO.	MAINTENANCE TASK	FREQUENCY OF TASK
1	REMOVE OBSTRUCTIONS, WEEDS, DEBRIS AND TRASH FROM BIOTRETENTION AREA AND ITS INLETS AND OUTLETS; AND DISPOSE OF PROPERLY.	QUARTERLY, OR AS NEEDED AFTER STORM EVENTS
2	INSPECT BIOTRETENTION 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 BIOTRETENTION 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 BIOTRETENTION AREA USING THE ATTACHED INSPECTION CHECKLIST.	ANNUALLY, BEFORE THE WET SEASON

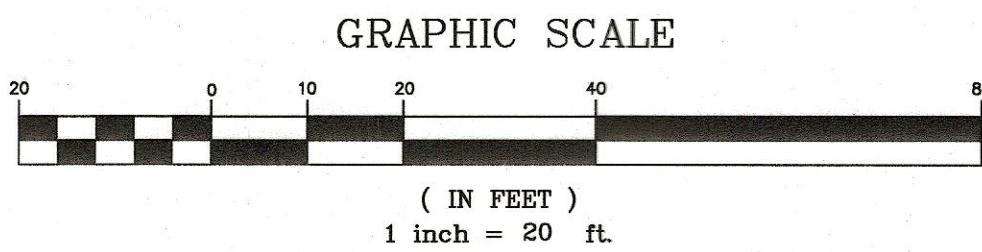
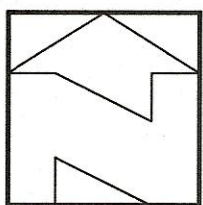


SCM #: TYPICAL BIOTRETENTION DETAIL
NO SCALE

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 PROVIDED
DMA 1	SIDEWALK, HARDSCAPE, LANDSCAPE	10,865	8,803	2,062	BIOTRETENTION POND	360 SF (4% RULE)	901 SF	1,571 CF	N/A TECHNICAL INFEASIBILITY	901 CF



NO.	DESCRIPTION	DATE	BY
Revisions			

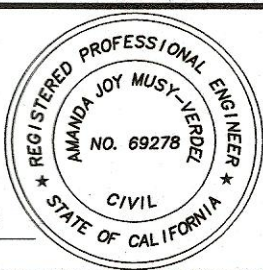
Work Accepted:	Inspector:
As-Built	Corrections
By:	Date:

DRAWN	DESIGN
CHECKED	DATE
APPROVED	DATE
Scott C. Cress - CITY ENGINEER	5/24/23
R.C.E. # 58879	6/30/23

HOR	1"=20'
VERT	
AS BUILT	
JOB NUMBER	22097

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



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Stormwater Control Plan
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SHEET NUMBER 6 OF 6