TEMPORARY POND B DETAIL (1/6)

1"=20'

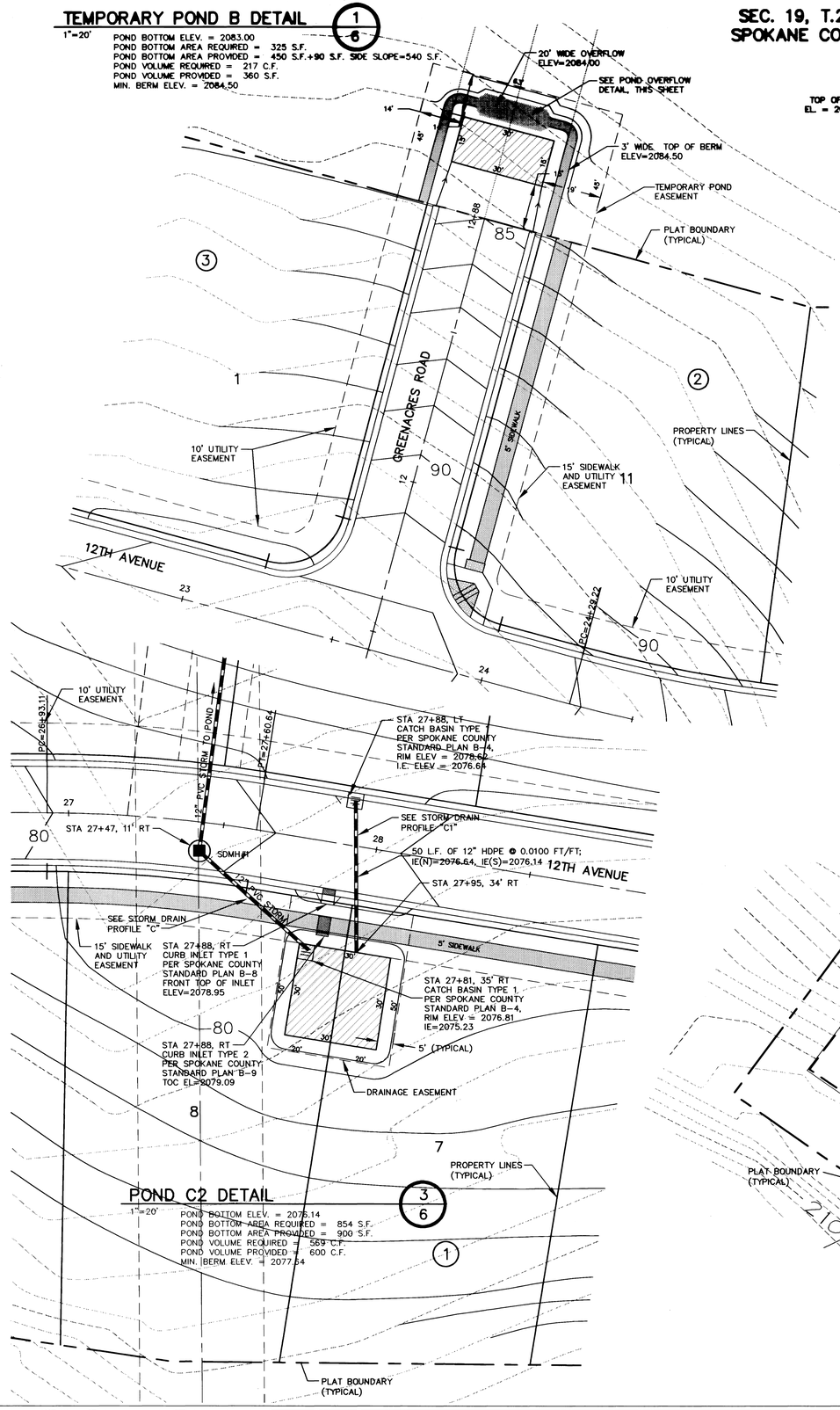
POND BOTTOM ELEV. = 2083.00
POND BOTTOM AREA REQUIRED = 325 S.F.
POND BOTTOM AREA PROVIDED = 450 S.F.+90 S.F. SIDE SLOPE=540 S.F.
POND VOLUME REQUIRED = 217 C.F.
POND VOLUME PROVIDED = 360 S.F.
MIN. BERM ELEV. = 2084.50

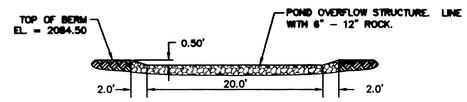
SEC. 19, T.25 N., R.45 E.,W.M.
SPOKANE COUNTY, WASHINGTON

COUNTY DATUM

BASED ON FOUND B.M. NO. 62
PER SPOKANE VALLEY INTERCEPTOR
PLANS, CONSTRUCTION PACKAGE NO. V
SHEET 15 OF 20, BY BOVAY ENGINEERS, INC
ELEVATION=2032.21

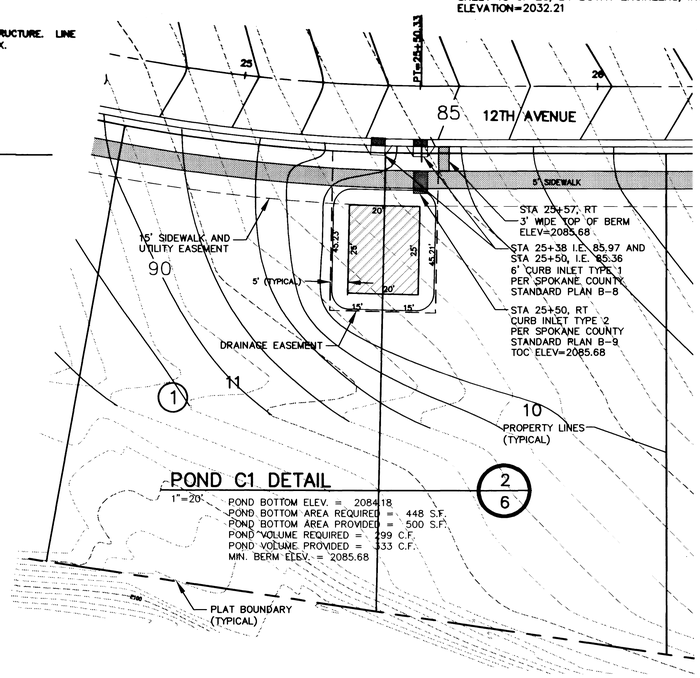
UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
456-8000
CALL TWO BUSINESS DAYS BEFORE YOU DIG





POND OVERFLOW

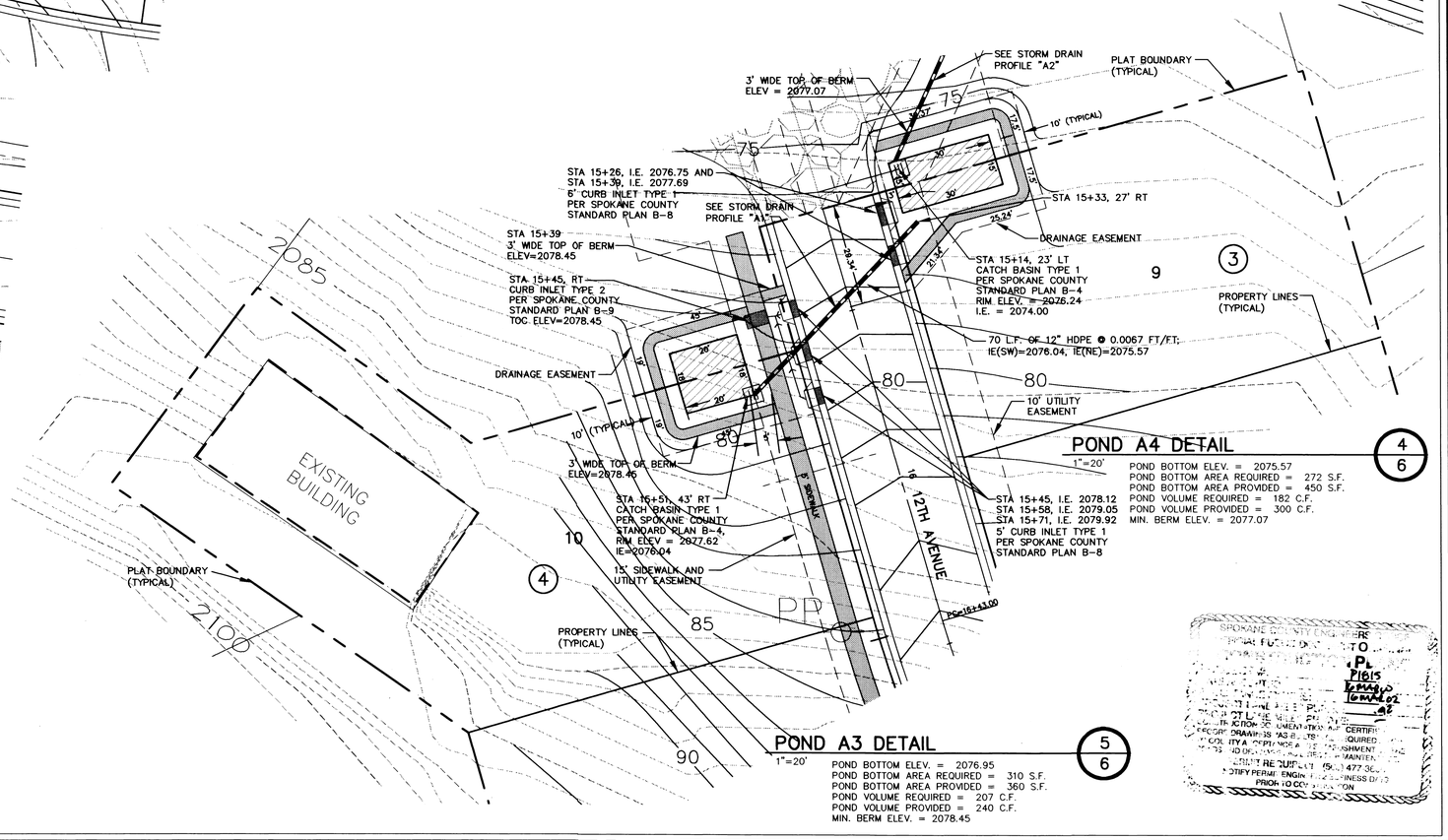
N.T.S.



POND C1 DETAIL (2/6)

1"=20'

POND BOTTOM ELEV. = 2084.18
POND BOTTOM AREA REQUIRED = 448 S.F.
POND BOTTOM AREA PROVIDED = 500 S.F.
POND VOLUME REQUIRED = 299 C.F.
POND VOLUME PROVIDED = 333 C.F.
MIN. BERM ELEV. = 2085.68



POND A4 DETAIL (4/6)

1"=20'

POND BOTTOM ELEV. = 2075.57
POND BOTTOM AREA REQUIRED = 272 S.F.
POND BOTTOM AREA PROVIDED = 450 S.F.
POND VOLUME REQUIRED = 182 C.F.
POND VOLUME PROVIDED = 300 C.F.
MIN. BERM ELEV. = 2077.07

POND C2 DETAIL (3/6)

1"=20'

POND BOTTOM ELEV. = 2076.14
POND BOTTOM AREA REQUIRED = 854 S.F.
POND BOTTOM AREA PROVIDED = 900 S.F.
POND VOLUME REQUIRED = 569 C.F.
POND VOLUME PROVIDED = 600 C.F.
MIN. BERM ELEV. = 2077.64

POND A3 DETAIL (5/6)

1"=20'

POND BOTTOM ELEV. = 2076.95
POND BOTTOM AREA REQUIRED = 310 S.F.
POND BOTTOM AREA PROVIDED = 360 S.F.
POND VOLUME REQUIRED = 207 C.F.
POND VOLUME PROVIDED = 240 C.F.
MIN. BERM ELEV. = 2078.45

SPOKANE COUNTY ENGINEERS
APPROVED
PLAN
PI615
EXPIRES
JANUARY 02
02
SPOKANE COUNTY ENGINEERS
PRIOR TO CONSTRUCTION

NO.	DATE	BY	REVISION

SCALE: 1"=20' (FEET) 20 0 10 20 40

TIMOTHY A. SCHIMKE
STATE OF WASHINGTON
22916
REGISTERED
PROFESSIONAL ENGINEER
EXPIRES 9/21/01

TURTLE CREEK SOUTH, PHASE I

STREET

POND DETAILS

DATE: 12/21/99 | DESIGNED BY: MBZ
DRAWN BY: M.H., TTB | CHECKED BY: TAS
FILE NAME: PONDDET

DEVELOPER'S SIGNATURE DATE

INLAND PACIFIC ENGINEERING
707 West 7th - Suite 200 (509) 458-6840
Spokane, WA 99204 FAX: (509) 458-6844

SHEET 6 OF 14

PROJECT NO: 98617

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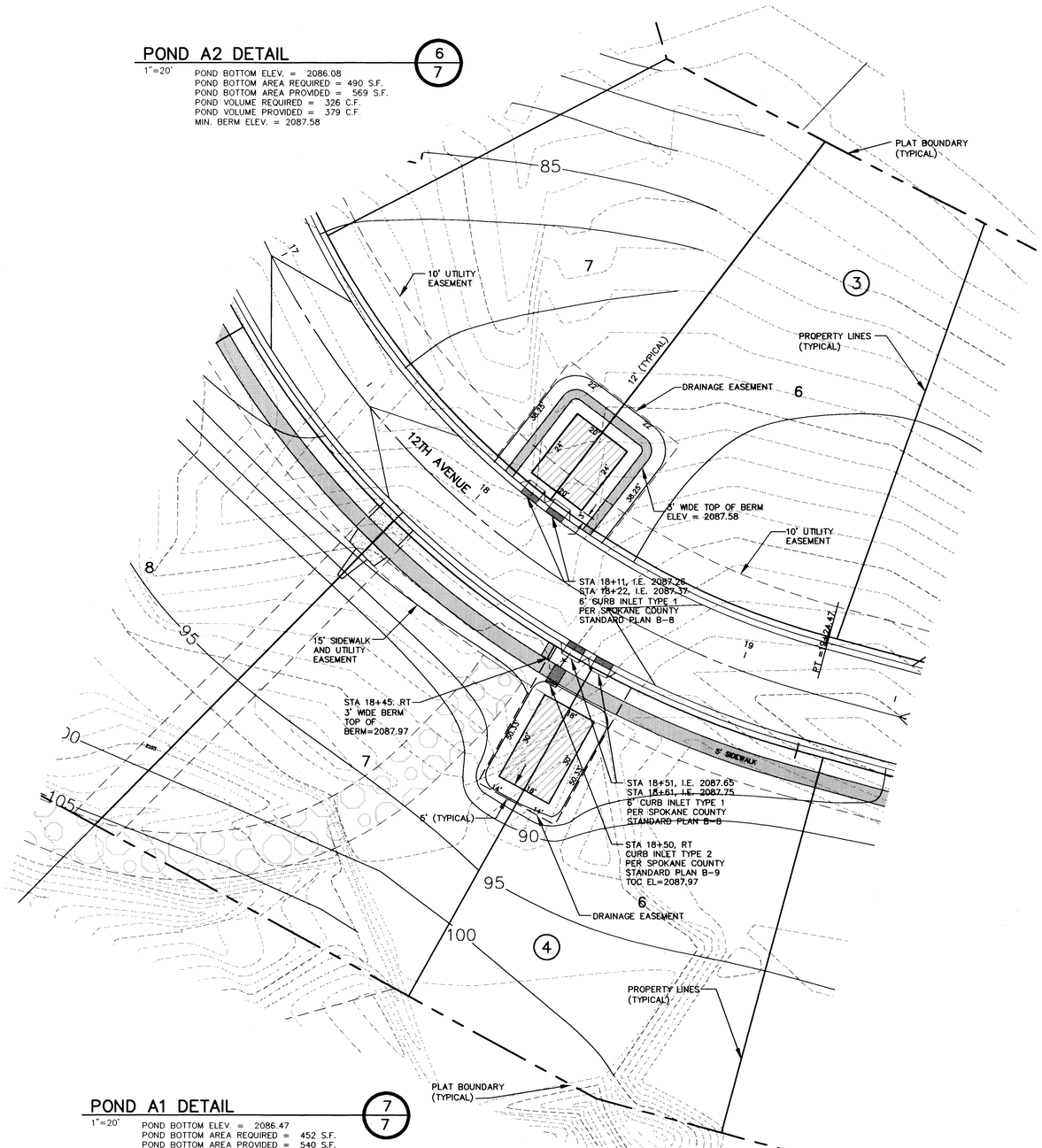
SEC. 19, T.25 N., R.45 E.,W.M.
SPOKANE COUNTY, WASHINGTON

COUNTY DATUM
BASED ON FOUND B.M. NO. 62
PER SPOKANE VALLEY INTERCEPTOR
PLANS, CONSTRUCTION PACKAGE NO. V
SHEET 15 OF 20, BY BOVAY ENGINEERS, INC
ELEVATION=2032.21

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
456·8000
CALL TWO BUSINESS DAYS BEFORE YOU DIG



POND A2 DETAIL (6/7)

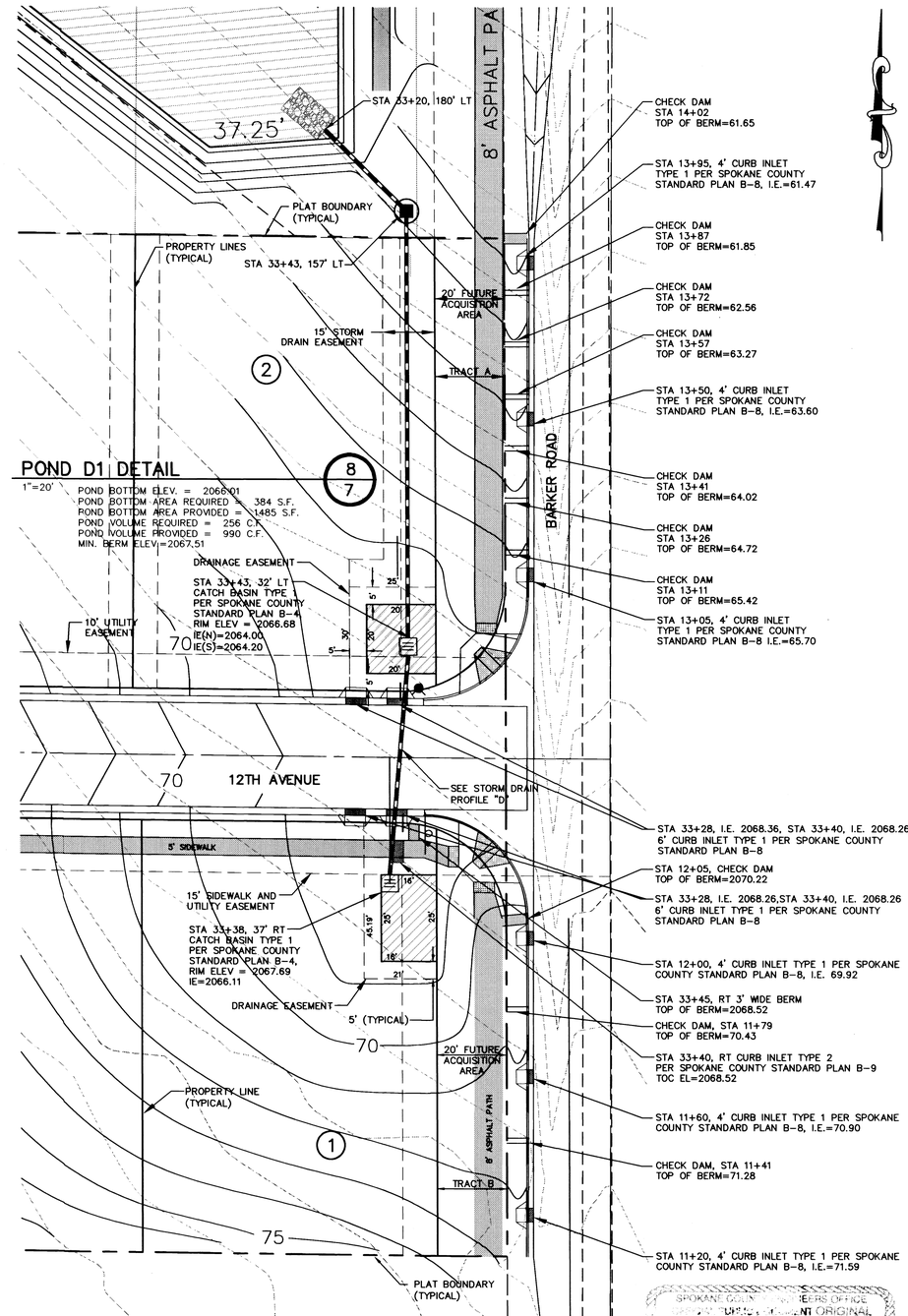
1"=20'

POND BOTTOM ELEV. = 2086.08
POND BOTTOM AREA REQUIRED = 490 S.F.
POND BOTTOM AREA PROVIDED = 569 S.F.
POND VOLUME REQUIRED = 326 C.F.
POND VOLUME PROVIDED = 379 C.F.
MIN. BERM ELEV. = 2087.58

POND A1 DETAIL (7/7)

1"=20'

POND BOTTOM ELEV. = 2086.47
POND BOTTOM AREA REQUIRED = 452 S.F.
POND BOTTOM AREA PROVIDED = 540 S.F.
POND VOLUME REQUIRED = 301 C.F.
POND VOLUME PROVIDED = 360 C.F.
MIN. BERM ELEV. = 2087.97



POND D1 DETAIL (8/7)

1"=20'

POND BOTTOM ELEV. = 2066.01
POND BOTTOM AREA REQUIRED = 384 S.F.
POND BOTTOM AREA PROVIDED = 1485 S.F.
POND VOLUME REQUIRED = 256 C.F.
POND VOLUME PROVIDED = 990 C.F.
MIN. BERM ELEV.=2067.51

POND D2 DETAIL (9/7)

1"=20'

POND BOTTOM ELEV. = 2067.02
POND BOTTOM AREA REQUIRED = 384 S.F.
POND BOTTOM AREA PROVIDED = 400 S.F.
POND VOLUME REQUIRED = 256 C.F.
POND VOLUME PROVIDED = 267 C.F.
MIN. BERM ELEV. = 2068.52

SPOKANE COUNTY ENGINEERS OFFICE
APPROVED FOR ORIGINAL

NO.	DATE	BY	REVISION

SCALE: 1"=20' (FEET)

EXPIRES 9/21/01

TURTLE CREEK SOUTH, PHASE I
STREET
POND DETAILS

DATE: 12/21/99 | DESIGNED BY: MBZ
DRAWN BY: MJH, TTB | CHECKED BY: TAS
FILE NAME: PONDDET
DATE
DEVELOPER'S APPROVAL

INLAND PACIFIC ENGINEERING
707 West 7th - Suite 200 (509) 458-6840
Spokane, WA 99204 FAX: (509) 458-6844

SHEET 7 OF 14
PROJECT NO: 98617

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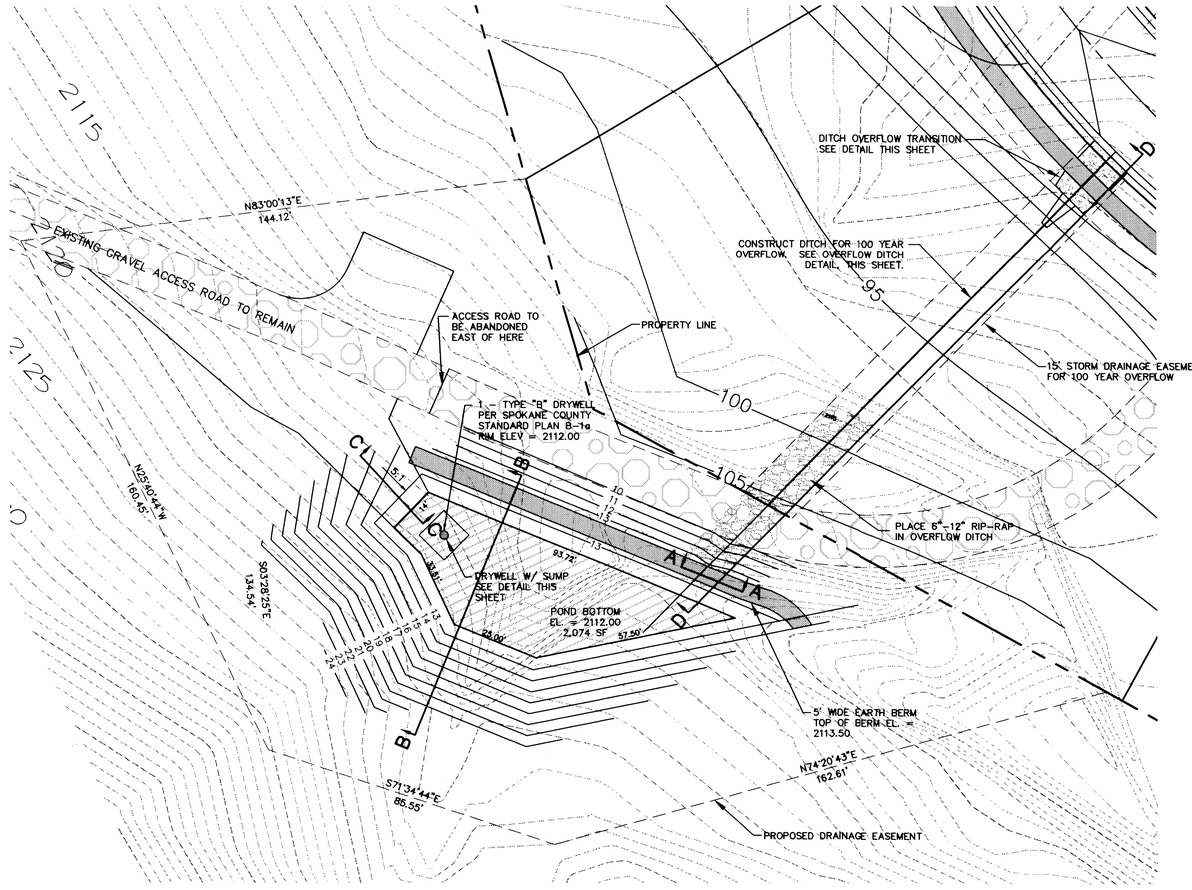
SEC. 19, T.25 N., R.45 E.,W.M.
SPOKANE COUNTY, WASHINGTON

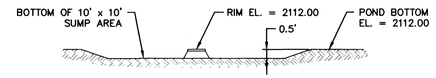
COUNTY DATUM
BASED ON FOUND B.M. NO. 62
PER SPOKANE VALLEY INTERCEPTOR
PLANS, CONSTRUCTION PACKAGE NO. V
SHEET 15 OF 20, BY BOVAY ENGINEERS, INC
ELEVATION=2032.21

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
456·8000
CALL TWO BUSINESS DAYS BEFORE YOU DIG

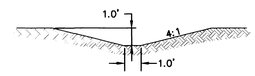


OFF-SITE POND 1
1"=20'

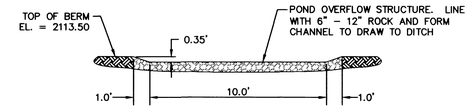
1/8



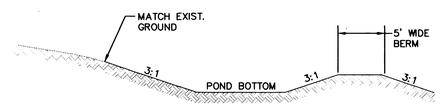
SUMP DETAIL
N.T.S.



OVERFLOW DITCH DETAIL
N.T.S.

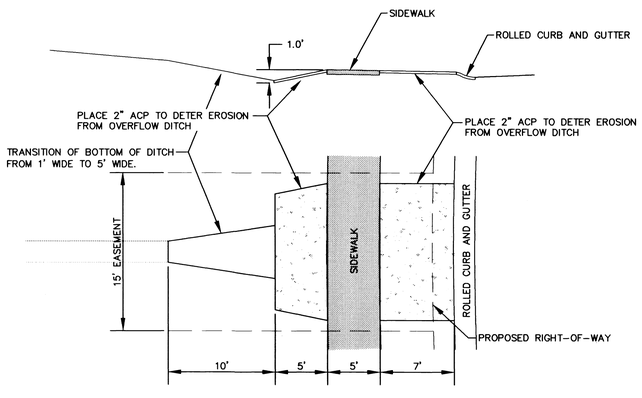


SECTION A-A - POND OVERFLOW
N.T.S.

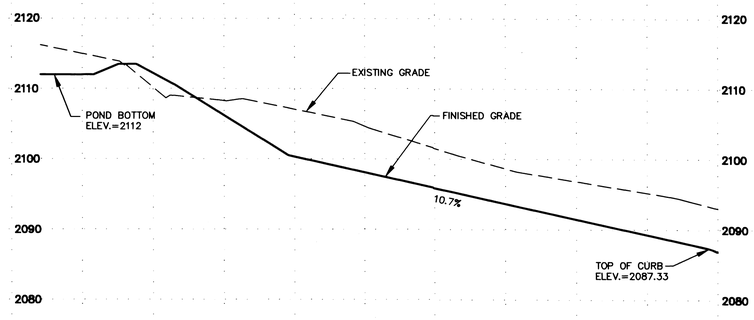


SECTION B-B
N.T.S.

SECTION C-C - POND ACCESS
N.T.S.



DITCH OVERFLOW TRANSITION
N.T.S.



SECTION D-D - POND ACCESS
HOR.: 1"=20', VERT.: 1"=10'

SPOKANE COUNTY ENGINEER'S OFFICE
APPROVED DOCUMENT
CONSTRUCTION PLAN
REVIEW
16 FEB 10
16 MAR 02
12

NO.	DATE	BY	REVISION

SCALE: 1"=20' (FEET) 20 0 10 20 40

TIMOTHY A. SCHMIDT, STATE OF WASHINGTON, 22916, REGISTERED PROFESSIONAL ENGINEER
EXPIRES 9/21/01

TURTLE CREEK SOUTH, PHASE I
STREET
POND DETAILS
DEVELOPER'S APPROVAL: DATE: 2/2/00
DATE: 12/21/99 | DESIGNED BY: MBZ
DRAWN BY: MJH, TTB | CHECKED BY: TAS
FILE NAME: PONDDET

INLAND PACIFIC ENGINEERING
707 West 7th · Suite 200
Spokane, WA 99204
(509) 458-6840
FAX: (509) 458-6844

SHEET 8 OF 14
PROJECT NO: 98617

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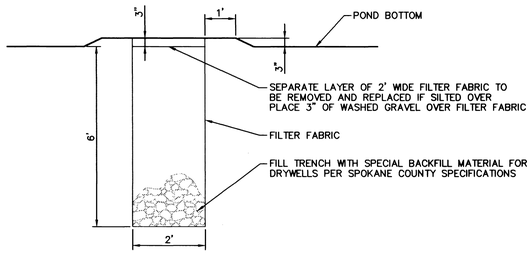
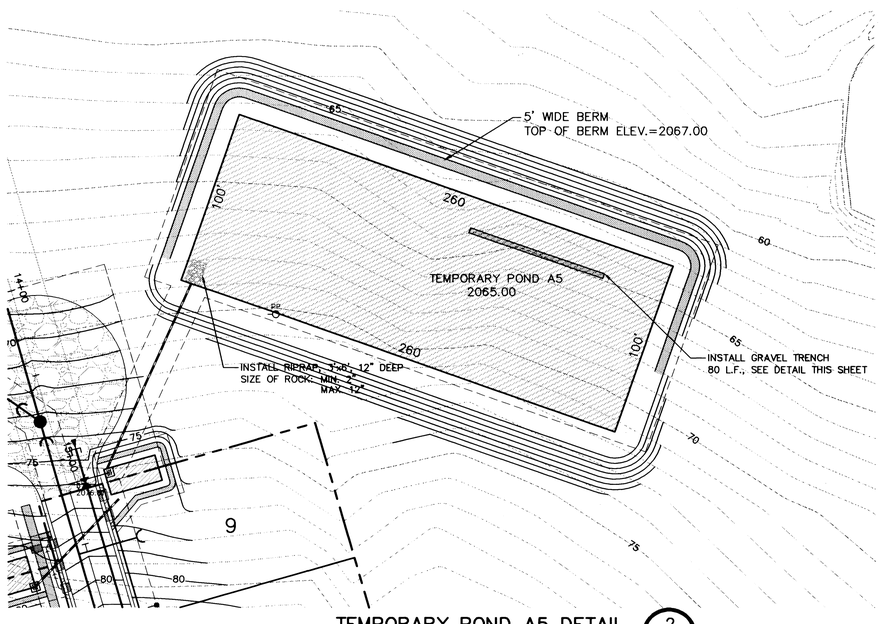
COUNTY DATUM
BASED ON FOUND B M NO 62
PER SPOKANE VALLEY INTERCEPTOR
PLANS, CONSTRUCTION PACKAGE NO V
SHEET 15 OF 20 BY BOVAY ENGINEERS, INC
ELEVATION=2032 21

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
456·8000
CALL TWO BUSINESS DAYS BEFORE YOU DIG

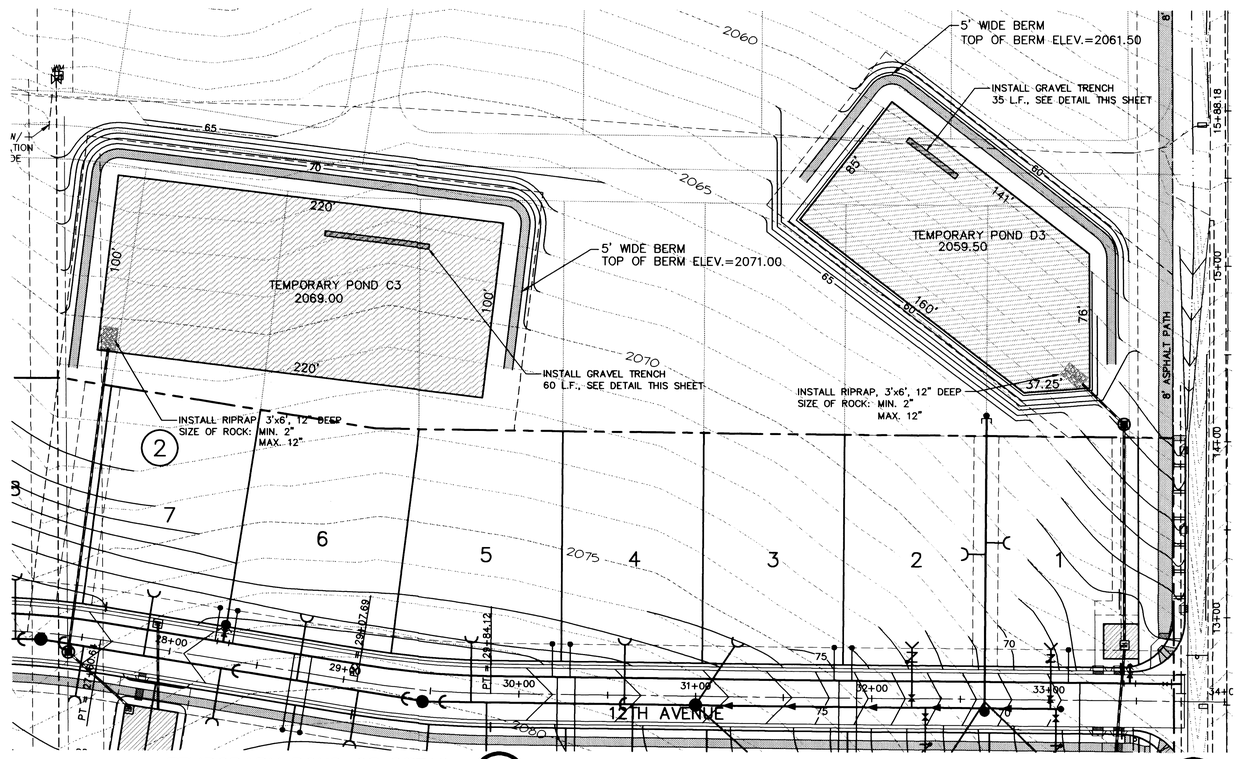
NOTE:
SEE OFF-SITE DRAINAGE EASEMENT EXHIBITS
FOR LOCATIONS OF DRAINAGE EASEMENTS



INFILTRATION TRENCH DETAIL
NOT TO SCALE



TEMPORARY POND A5 DETAIL
1"=40'
POND BOTTOM ELEV. = 2065.00
MIN. BERM ELEV. = 2067.0
2/9



TEMPORARY POND C3 DETAIL
1"=40'
POND BOTTOM ELEV. = 2069.00
MIN. BERM ELEV. = 2071.0
1/9

TEMPORARY POND D3 DETAIL
1"=40'
POND BOTTOM ELEV. = 2059.50
MIN. BERM ELEV. = 2061.50
3/9

ERS OFFICE
ORIGINAL
P.
PIPIS
6/14/02
6/14/02
-92
PRIOR TO CONSTRUCTION

NO	DATE	BY	REVISION

SCALE 1"=20' (FEET) 20 0 10 20 40

TIMOTHY A SCHMIDT
STATE OF WASHINGTON
22916
REGISTERED
PROFESSIONAL ENGINEER
3/14/00
EXPIRES 9/21/01

TURTLE CREEK SOUTH, PHASE I
STREET
POND DETAILS

DATE 12/21/99 | DESIGNED BY MBZ
DRAWN BY MJP | CHECKED BY TAS
FILE NAME PONDDET2

DEVELOPER'S APPROVAL
DATE 9/22/00

INLAND PACIFIC ENGINEERING
707 West 7th - Suite 200 (509) 458-6840
Spokane, WA 99204 FAX (509) 458-6844

SHEET 9 OF 14
PROJECT NO 98617

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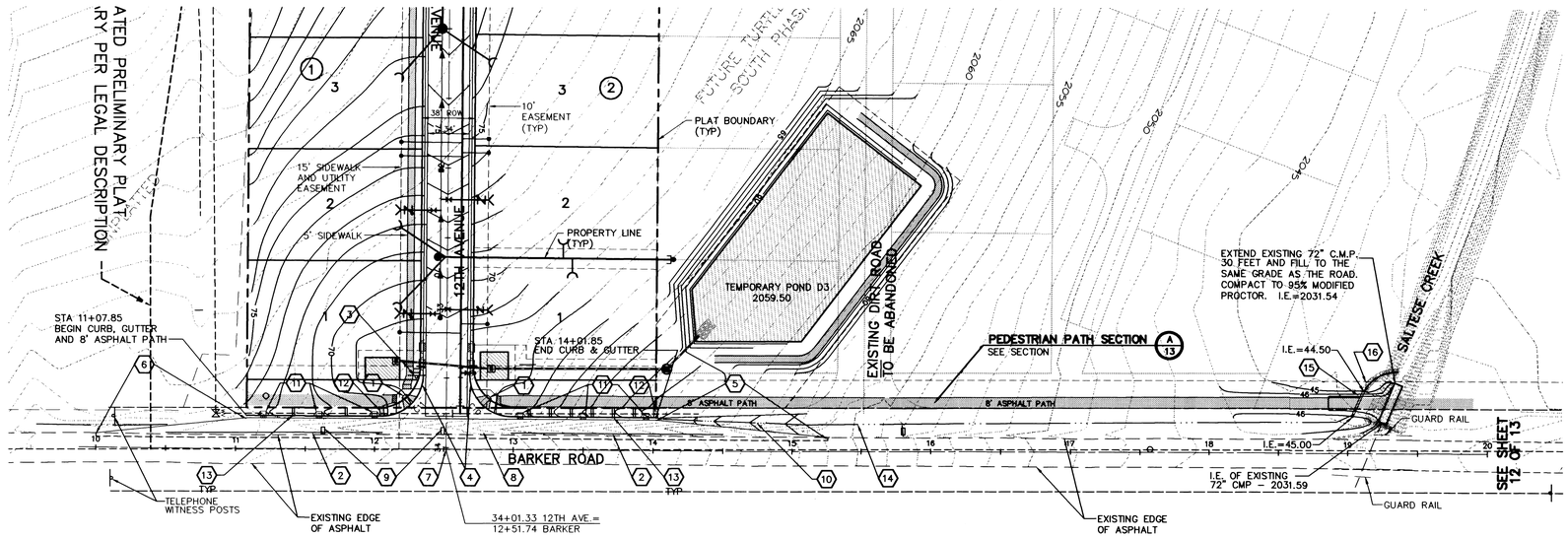
SEC. 19, T.25 N., R.45 E.,W.M.
SPOKANE COUNTY, WASHINGTON



UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
456·8000
CALL TWO BUSINESS DAYS BEFORE YOU DIG

CONSTRUCTION NOTES:

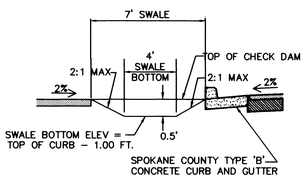
1. CURB RAMP, TYPE B PER SPOKANE COUNTY STANDARD PLAN A-3
2. 4" WHITE FOG LINE WITH W.S.D.O.T. SPECIFICATION PAINT AND BEADS, STA 10+50.00 TO STA 12+05 AND STA 12+98 TO STA 14+50.00
3. STOP SIGN (R1-1) PER SPOKANE COUNTY STANDARDS
4. SEE CURB TRANSITION DETAIL 3/5
5. TAPER STA 14+01.85, 22'LT TO STA 15+25.89, 10.21' LT. CROSS-SLOPE TAPER @ 2% FROM SAWCUT
6. TAPER STA 10+00.00, 10.36' LT TO 11+07.85, 22' LT. CROSS-SLOPE TAPER @ 2% FROM SAWCUT
7. SEE INTERSECTION DETAIL 2/5
8. REMOVE AND RELOCATE EXISTING SIGN
9. REMOVE AND RELOCATE EXISTING MAILBOX
10. TRANSITION FLOW FROM END OF CURB TO SWALE BETWEEN PED PATH AND BARKER ROAD.
11. 4' WIDE TYPE 1 CURB INLET PER SPOKANE COUNTY STANDARD PLAN B-8 STA 11+20, 11+60, 12+00, 13+05, 13+50, AND 13+95.
12. CONSTRUCT EARTHEN BERM WITH 3' WIDE TOP. SET TOP OF BERM AT ADJACENT TOP OF CURB ELEVATION TO INSURE POND OVERFLOW IS DIVERTED OUT OF CURB INLET. STA 12+05 AND STA 14+02
13. CONSTRUCT CHECK DAM, SEE DETAIL D2 ON SHEET 7 FOR LOCATIONS.
14. CONSTRUCT 4' WIDE '208' SWALE WITH 6" HIGH CHECK DAMS EVERY 25' BETWEEN PED PATH AND EXISTING BARKER ROAD. ENSURE BOTTOM OF SWALES AND TOP OF CHECK DAM IS SUCH THAT STORM WATER DOES NOT FLOW BACK OUT ONTO BARKER ROAD. SEED WITH DRY LAND SEED MIX.
15. INSTALL 20 L.F. OF 12" CMP UNDER PED PATH.
16. PLACE 6" TO 12" RIP RAP, 1' DEEP AT CULVERT OUTLET.

COUNTY DATUM

BASED ON FOUND B.M. NO. 62
PER SPOKANE VALLEY INTERCEPTOR
PLANS, CONSTRUCTION PACKAGE NO. V,
SHEET 15 OF 20, BY BOVAY ENGINEERS, INC
ELEVATION=2032.21

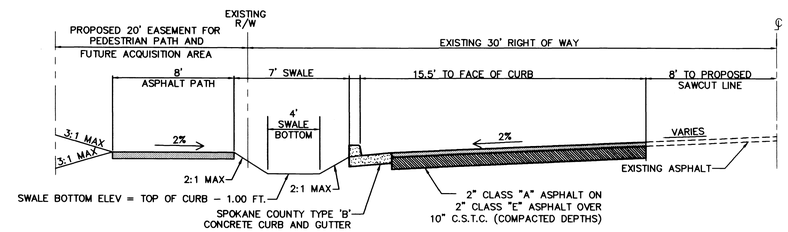
CURVE INFORMATION

CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA
C10	30.00'	47.24'	30.12'	42.51'	90°13'18"
C11	30.00'	46.83'	29.70'	42.21'	89°25'47"



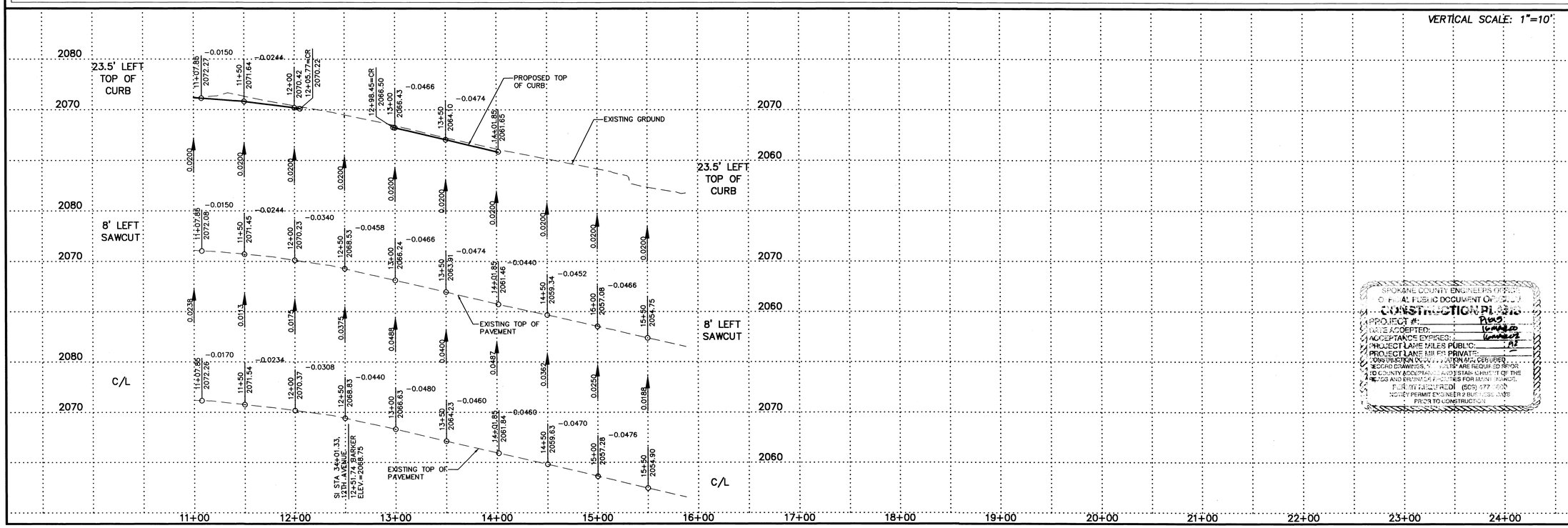
CHECK DAM DETAIL - SEE SHEET 7, DETAIL D2 FOR LOCATIONS

NOT TO SCALE



BARKER ROAD CROSS SECTION - STA 11+08 TO STA 14+02

NOT TO SCALE



SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT OF RECORD
CONSTRUCTION PLANS
PROJECT #: PW3
DATE ACCEPTED: 12/20/00
ACCEPTANCE EXPIRES: 12/20/02
PROJECT LANE MILES PUBLIC: 0.5
PROJECT LANE MILES PRIVATE: 0
CONSTRUCTION DOCUMENTATION AS-CERTIFIED RECORD DRAWINGS, [illegible] ARE REQUIRED PRIOR TO COUNTY ACCEPTANCE AND ESTABLISHMENT OF THE ROADS AND DRAINAGE FACILITIES FOR MAINTENANCE.
PLEASE NOTIFY REQUIRED (509) 477-[illegible] NOTIFY PERMIT ENGINEER 2 BUSINESS DAYS PRIOR TO CONSTRUCTION

NO.	DATE	BY	REVISION

SCALE: 1"=50' (FEET) 50 0 25 50 100

TIMOTHY A. SCHMAN
STATE OF WASHINGTON
22916
REGISTERED PROFESSIONAL ENGINEER
EXPIRES 9/21/01

TURTLE CREEK SOUTH, PHASE I

STREET
BARKER

DATE: 12/21/99 | DESIGNED BY: MBZ
DRAWN BY: MJH, TTB | CHECKED BY: TAS
FILE NAME: BARK

DEVELOPER APPROVAL
DATE

INLAND PACIFIC ENGINEERING
707 West 7th · Suite 200 (509) 458-6840
Spokane, WA 99204 FAX: (509) 458-6844

SHEET 12 OF 14
PROJECT NO: 98617

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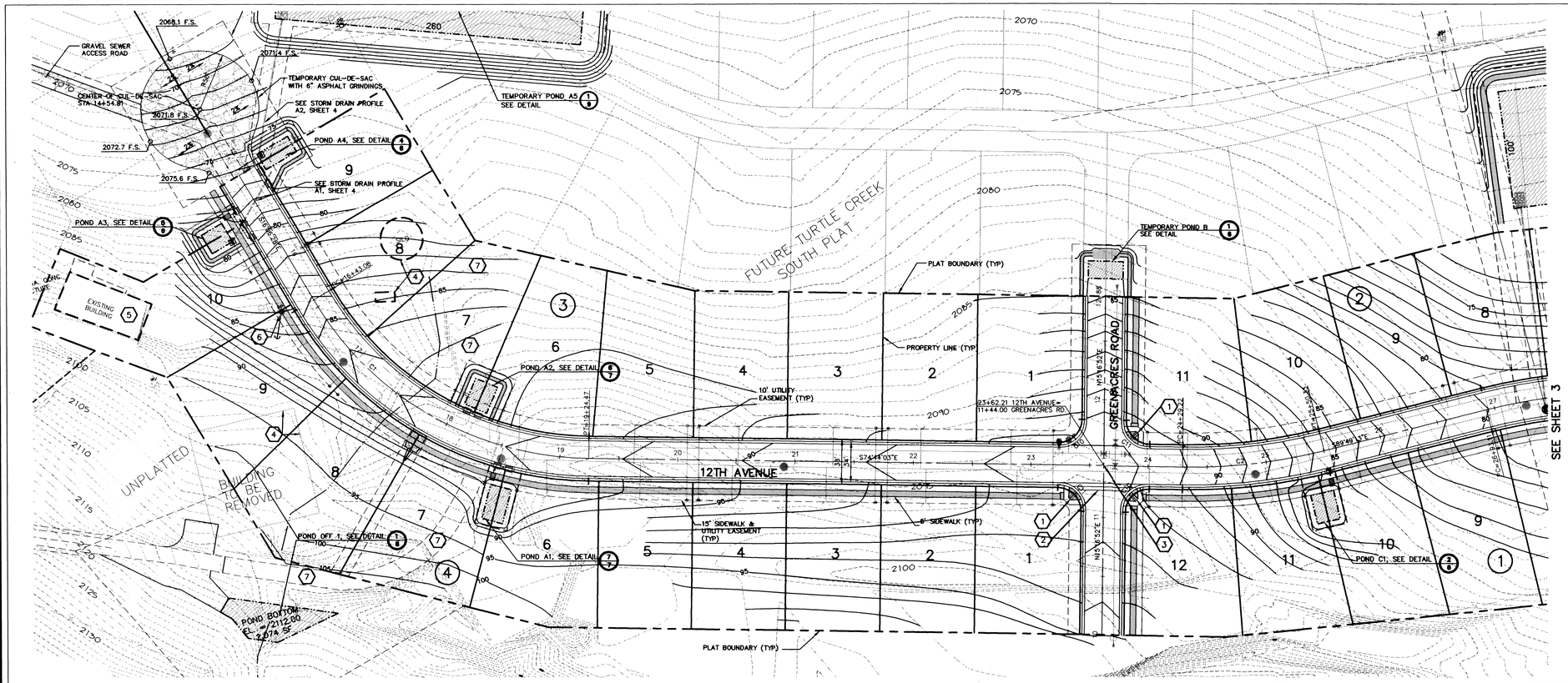


SEC. 19, T.25 N., R.45 E.,W.M.
SPOKANE COUNTY, WASHINGTON

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
456·8000
CALL TWO BUSINESS DAYS BEFORE YOU DIG

COUNTY DATUM

BASED ON FOUND B.M. NO. 62
PER SPOKANE VALLEY INTERCEPTOR
PLANS, CONSTRUCTION PACKAGE NO. V,
SHEET 15 OF 20, BY BOVAY ENGINEERS, INC
ELEVATION=2032.21

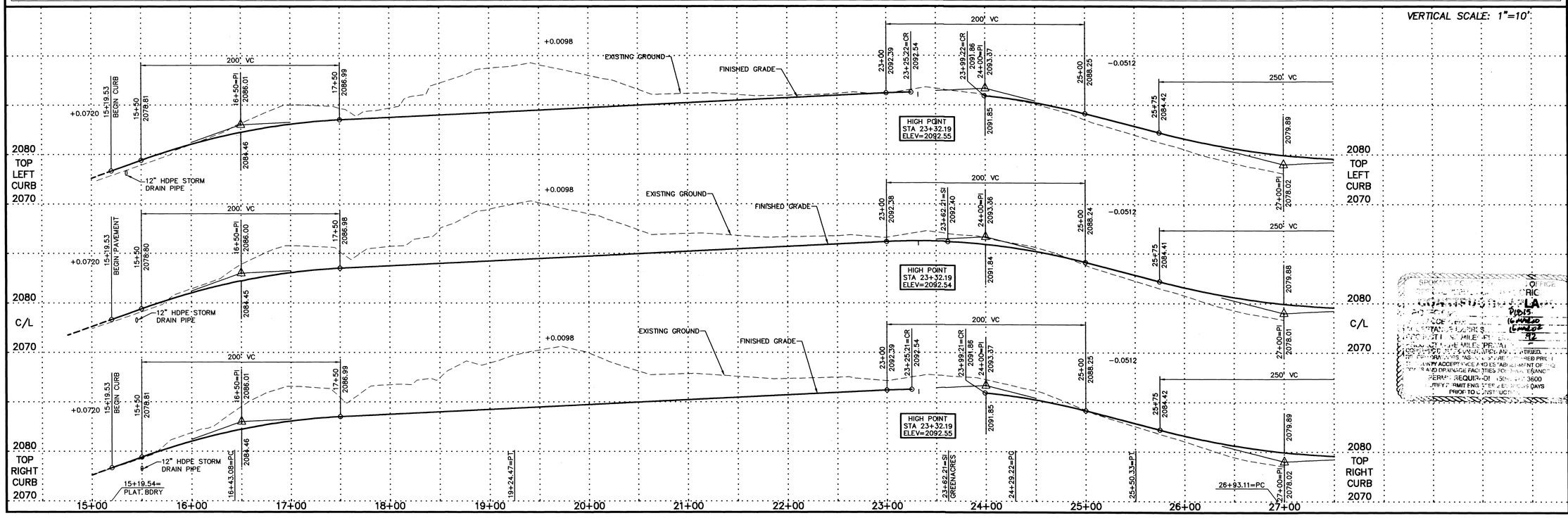
CONSTRUCTION NOTES:

1. CURB RAMP, TYPE B PER SPOKANE COUNTY STANDARD PLAN A-3.
2. CROSS GUTTER, TYPE 2 PER SPOKANE COUNTY STANDARD PLAN B-18.
3. SEE INTERSECTION DETAIL. (1/5)
4. EXISTING BUILDING TO BE REMOVED.
5. EXISTING BUILDING TO REMAIN.
6. REMOVE POWER POLE ONCE UNDERGROUND POWER HAS BEEN INSTALLED TO HOUSE.
7. REMOVE EXISTING ACCESS ROAD WITHIN LIMITS OF PLAT ONCE ALTERNATE SEWER ACCESS ROUTE HAS BEEN CONTRUCTED AND APPROVED.

NOTE:
UPDATED TOPO SURVEY INFORMATION WAS ADDED IN DECEMBER 1999 ALONG THE SOUTH LINE OF THE PLAT.

CURVE INFORMATION

CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA
C1	275.00'	281.39'	154.41'	269.27'	58°37'35"
C2	460.00'	121.12'	60.91'	120.77'	15°05'10"
C10	20.00'	31.41'	19.99'	28.28'	89°59'05"
C11	20.00'	31.42'	20.01'	28.29'	90°00'55"



NO.	DATE	BY	REVISION

SCALE: 1"=50'
(FEET) 50 25 0 50 100

TIMOTHY A. SCHMIDT
STATE OF WASHINGTON
22916
REGISTERED PROFESSIONAL ENGINEER
5/14/01
EXPIRES 9/21/01

TURTLE CREEK SOUTH, PHASE I

STREET
12TH AVENUE

DATE: 12/21/99 DESIGNED BY: MBZ
DRAWN BY: MLH,TTB CHECKED BY: TAS
FILE NAME: ROADB

DEVELOPER'S APPROVAL: 5/14/01

INLAND PACIFIC ENGINEERING
707 West 7th - Suite 200 (509) 458-6840
Spokane, WA 99204 FAX: (509) 458-6844

SHEET 2 OF 14
PROJECT NO: 98617

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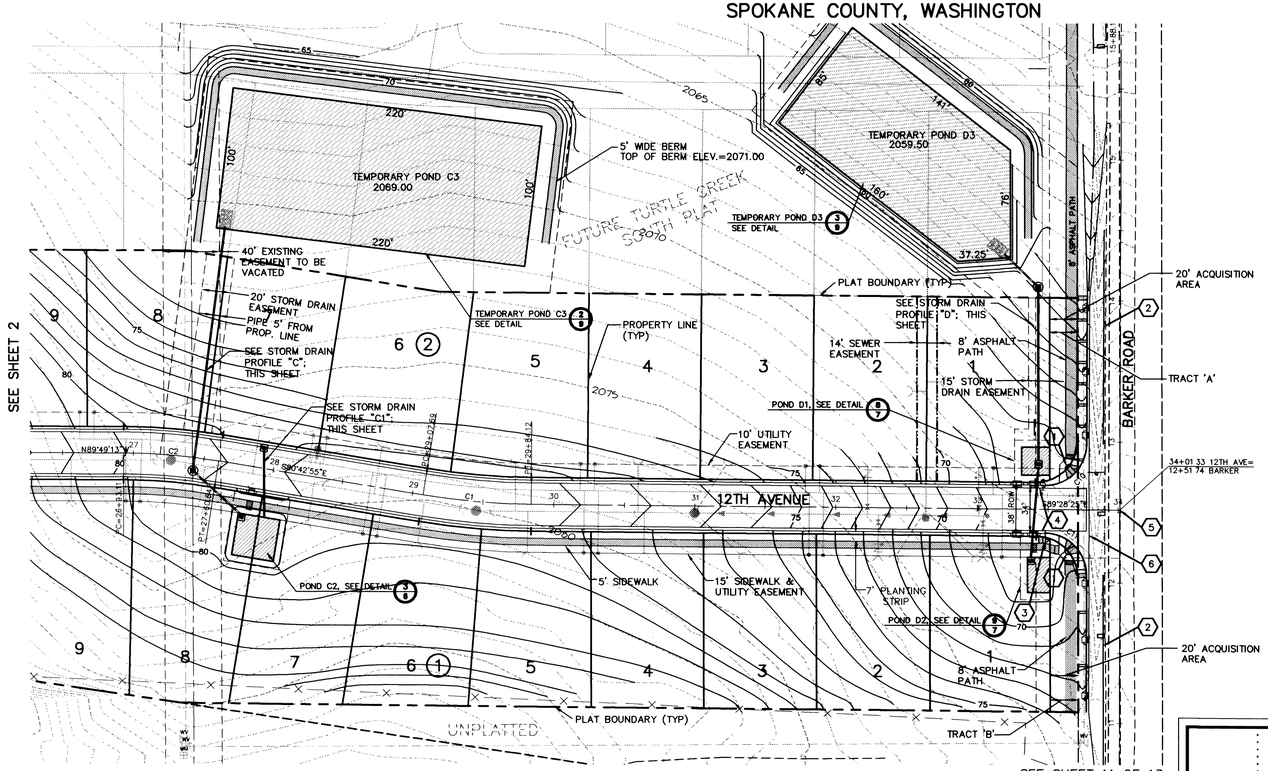
SEC. 19, T.25 N., R.45 E.,W.M.
SPOKANE COUNTY, WASHINGTON



SEE SHEET 11 OF 13 FOR BARKER ROAD ST. WIDENING

COUNTY DATUM

BASED ON FOUND B.M. NO. 62
PER SPOKANE VALLEY INTERCEPTOR
PLANS, CONSTRUCTION PACKAGE NO. V,
SHEET 15 OF 20, BY BOVAY ENGINEERS, INC
ELEVATION=2032.21

CURVE INFORMATION

CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA
C1	500.00'	76.43'	38.29'	76.36'	08°45'30"
C2	425.00'	67.54'	33.84'	67.47'	09°06'18"
C10	30.00'	47.24'	30.12'	42.51'	90°13'18"
C11	30.00'	46.83'	29.70'	42.21'	89°25'47"

NOTE:
UPDATED TOPO SURVEY INFORMATION WAS ADDED IN DECEMBER 1999 ALONG THE SOUTH LINE OF THE PLAT.

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
456·8000
CALL TWO BUSINESS DAYS BEFORE YOU DIG

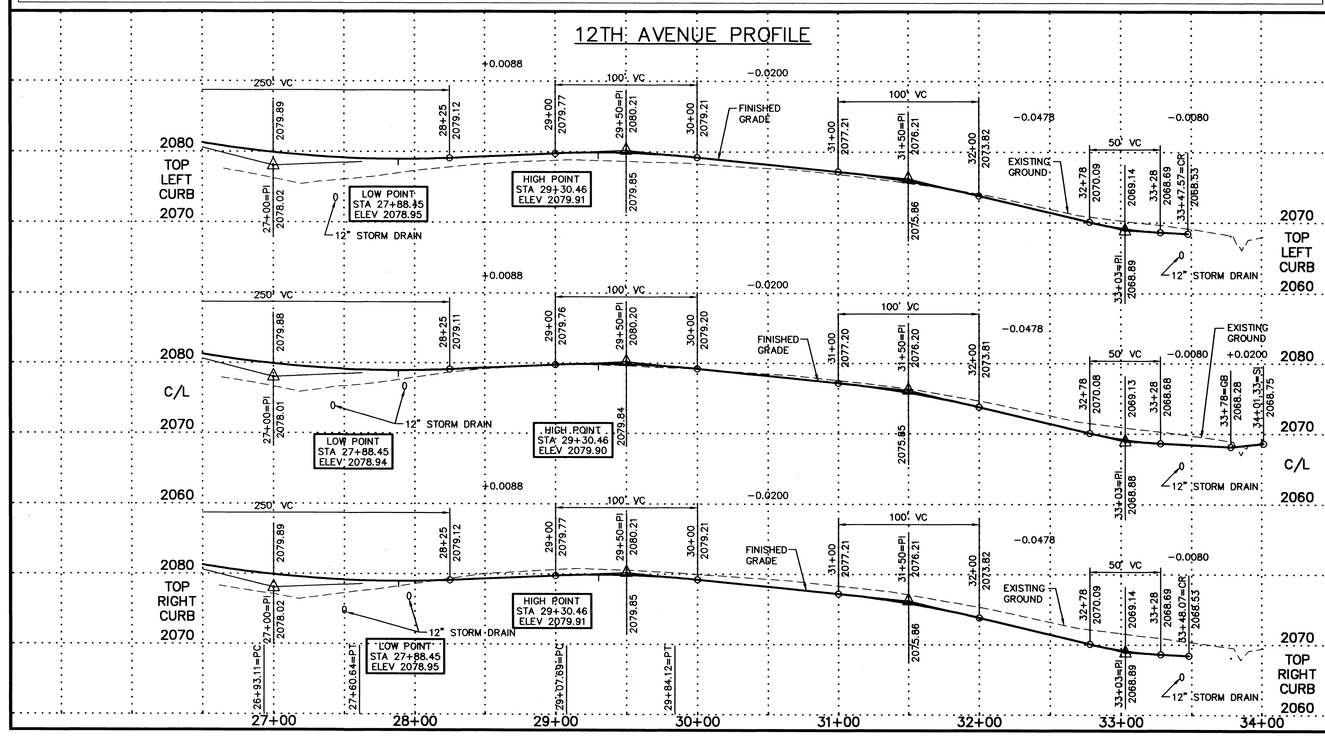
CONSTRUCTION NOTES:

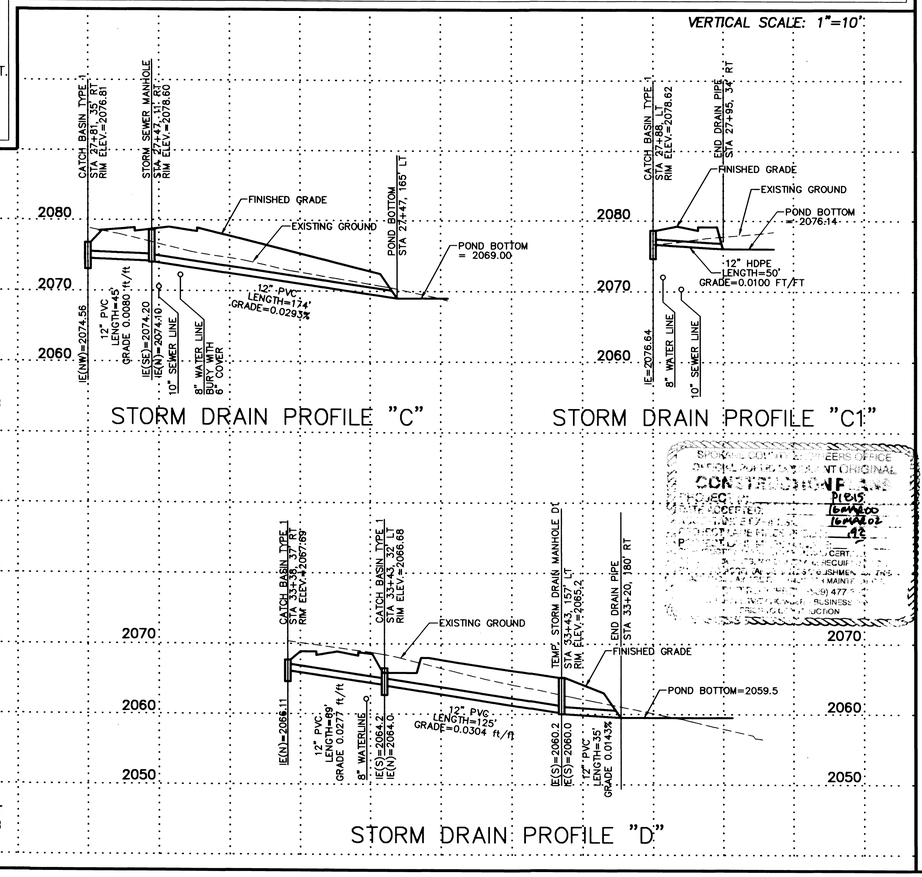
1. CURB RAMP, TYPE B PER SPOKANE COUNTY STANDARD PLAN A-5
2. 4" WHITE FOG LINE WITH WSDOT SPECIFIED PAINT AND BEADS STA 10+50 TO STA 12+05 STA 12+98 TO STA 14+50
3. STOP SIGN (R1-1) PER SPOKANE COUNTY STANDARDS
4. CURB TRANSITION, SEE DETAIL 3/8
5. SEE INTERSECTION DETAIL 2/8
6. CROSS GUTTER, TYPE 2 PER SPOKANE COUNTY STANDARD PLAN B-18

NO	DATE	BY	REVISION

SCALE 1"=50'

(FEET) 50 25 0 50 100





SPOKANE COUNTY ENGINEERS OFFICE
DEPARTMENT OF PUBLIC WORKS
CONSTRUCTION PLANS
PLANS APPROVED
PLANS ACCEPTED
CERT. REQUIR
MAINT
BUSINESS
CONSTRUCTION

TIMOTHY A SCHULTZ
STATE OF WASHINGTON
22916
REGISTERED PROFESSIONAL ENGINEER
3/14/01
EXPIRES 9/21/01

TURTLE CREEK SOUTH, PHASE I

STREET
12TH AVENUE

DATE 12/21/99 | DESIGNED BY MRZ
DRAWN BY MLH | CHECKED BY TAS
FILE NAME ROAD82

DEVELOPER'S APPROVAL DATE

INLAND PACIFIC ENGINEERING
707 West 7th - Suite 200 (509) 458-6840
Spokane, WA 99204 FAX (509) 458-6844

SHEET 3 OF 14
PROJECT NO 98617

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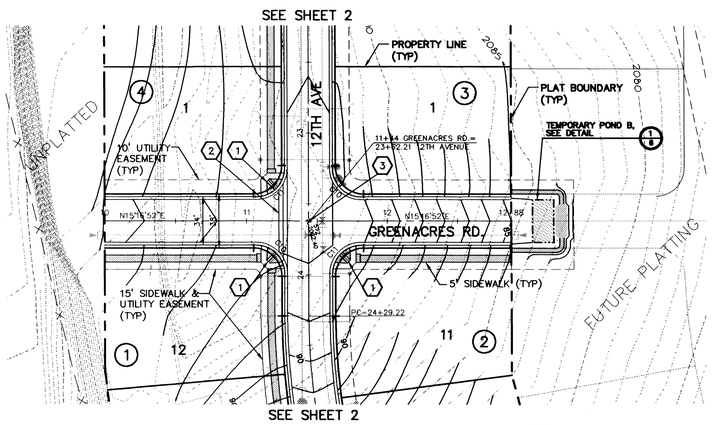
SEC. 19, T.25 N., R.45 E.,W.M.
SPOKANE COUNTY, WASHINGTON

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
456·8000
CALL TWO BUSINESS DAYS BEFORE YOU DIG



NOTE:
UPDATED TOPO SURVEY INFORMATION WAS ADDED IN DECEMBER 1999 ALONG THE SOUTH LINE OF THE PLAT

COUNTY DATUM

BASED ON FOUND B.M. NO. 62
PER SPOKANE VALLEY INTERCEPTOR
PLANS, CONSTRUCTION PACKAGE NO. V,
SHEET 15 OF 20, BY BOVAY ENGINEERS INC
ELEVATION=2032.21

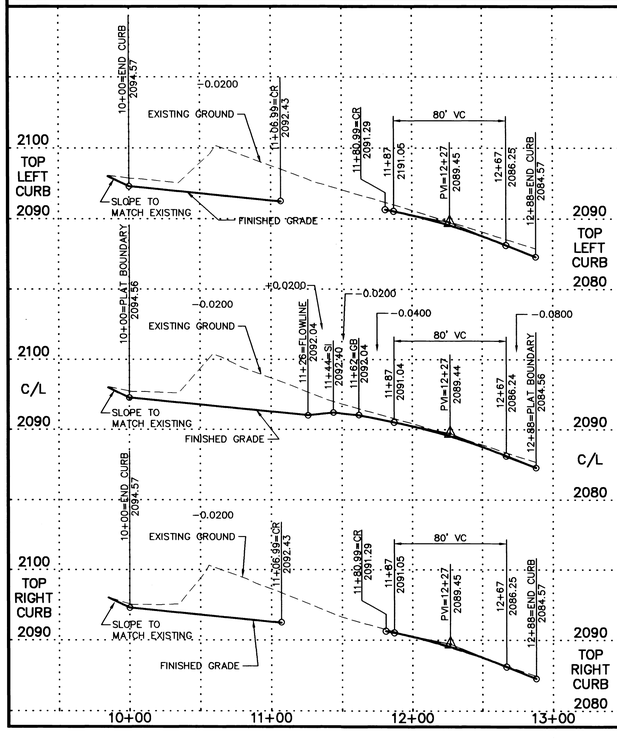
CONSTRUCTION NOTES:

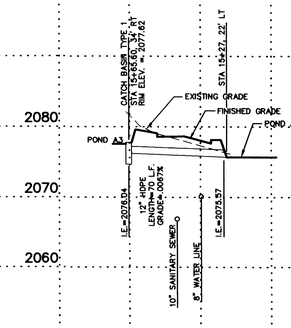
1. CURB RAMP, TYPE B PER SPOKANE STANDARD PLAN A-5
2. CROSS GUTTER, TYPE 2 PER SPOKANE COUNTY STANDARD PLAN B-18
3. SEE INTERSECTION DETAIL 1/5

CURVE INFORMATION

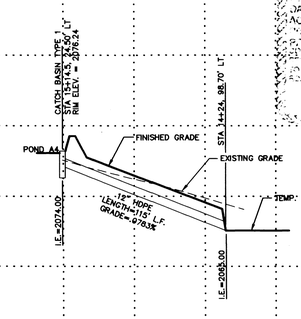
CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA
C10	20.00'	31.41'	19.99'	28.28'	89°59'05"
C11	20.00'	31.42'	20.01'	28.29'	90°00'55"

VERTICAL SCALE: 1"=10'





STORM DRAIN PROFILE A1



STORM DRAIN PROFILE A2

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC IMPROVEMENT
CONSTRUCTION PLANS
PLAN NO.
DATE ACCEPTED
ACCEPTANCE EXPIRES
PROJECT LANE MILES
PROJECT LANE M. & PROVIDE
PLANS
12/17/99
12/17/02
12

NO	DATE	BY	REVISION

SCALE 1"=50'
(FEET) 50 25 0 50 100

TIMOTHY A. SCHMIDT
STATE OF WASHINGTON
22916
REGISTERED PROFESSIONAL ENGINEER
EXPIRES 9/21/01

TURTLE CREEK SOUTH, PHASE I
STREET
GREENACRES ROAD

DATE 12/17/99 | DESIGNED BY MBZ
DRAWN BY MLH, TTB | CHECKED BY TAS
FILE NAME ROADD
DEVELOPER'S APPROVAL DATE

INLAND PACIFIC ENGINEERING
707 West 7th - Suite 200
Spokane, WA 99204
(509) 458-6840
FAX: (509) 458-6844

SHEET 4 OF 14
PROJECT NO: 98617

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EROSION AND SEDIMENT CONTROL PLAN
FOR
TURTLE CREEK SOUTH, PHASE I

A PORTION OF THE SE 1/4 OF SEC. 19, T.25 N., R.45 E.,W.M.

DRYLAND SEED MIX REQUIREMENTS

GRASS SEE PROVIDE FRESH, CLEAN, NEW-CROP SEED COMPLYING WITH TOLERANCE OF PURITY AND GERMINATION ESTABLISHED BY THE OFFICIAL SEED ANALYSIS OF NORTH AMERICA PROVIDE SEED MIXTURE COMPOSED OF GRASS SPECIES AND PERCENTAGES AS FOLLOWS

10 PERCENT	ELKA PERENNIAL RYE
20 PERCENT	DURAR HARD FESCUE
45 PERCENT	COVAR SHEEP/FESCUE
15 PERCENT	REUBENS CANADIAN BLUEGRASS

PROVIDE MIXTURE COMPOSED OF GRASS SEED AND FERTILIZER IN PERCENTAGES AS FOLLOWS

GRASS SEED	90 LBS PER ACRE
FERTILIZER	16-16-16 TIMED RELEASE COMPOSITION, 300 LBS PER ACRE

ALL SEEDING OF SLOPES SHALL BE DONE IN ACCORDANCE WITH THE WSDOT STANDARD SPECIFICATIONS, SEC 8-01

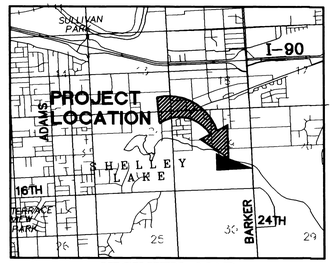
McB – MARBLE SANDY LOAM, 0 TO 8 PERCENT SLOPES

SOILS WITHIN THIS SOIL TYPE ARE EXCESSIVELY DRAINED SOILS FORMED FROM SANDY GLACIOFLUVAL MATERIAL ON DUNE-LIKE, NEARLY LEVEL TO STEEP TERRACES AND TERRACE BREAKS SURFACE RUNOFF IS SLOW, AND THE HAZARD OF EROSION IS SLIGHT SPOKANE COUNTY GUIDELINES FOR STORMWATER MANAGEMENT INDICATE THIS TO BE A SOIL GROUP TYPE A AND **PRE-APPROVED** FOR DRYWELL INSTALLATION

HYDROLOGIC SOIL CLASSIFICATION – A

CERTIFICATION STATEMENT

THIS ESC PLAN CONFORMS TO THE ESC PLAN REQUIREMENTS AS LISTED IN CHAPTER 4 5 OF THE GUIDELINES FOR STORMWATER MANAGEMENT



VICINITY MAP

PROPERTY OWNER	RICH DAHM
PERMIT APPLICANT	RICH DAHM
CONTACT PERSON AT PROJECT SITE	CALL TAYLOR ENGINEERING
PROJECT ADDRESS	N/A – LOCATED WEST OF BARKER RD AT 12TH AVE
LEGAL DESCRIPTION	SEE PLAT
EXISTING VEGETATION	DRY LAND GRASS AND ALFALFA

MAINTENANCE

1. SILT FENCES SHALL BE INSPECTED IMMEDIATELY AFTER EACH RUNOFF-PRODUCING RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL
2. CLOSE ATTENTION SHALL BE PAID TO THE REPAIR OF SILT FENCES END RUNS, AND UNDERCUTTING BENEATH SILT FENCES
3. NECESSARY REPAIRS TO BARRIERS OR REPLACEMENT OF SILT FENCES SHALL BE ACCOMPLISHED PROMPTLY
4. SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH RUNOFF-PRODUCING RAINFALL THEY MUST BE REMOVED WHEN THE LEVEL OF DEPOSITION REACHES APPROXIMATELY 1/2 THE HEIGHT OF THE BARRIER OR 1/2 THE DEPTH OF THE CUT-OFF DITCH OR 1/2 THE VOLUME OF THE SEDIMENT POND
5. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE ESC STRUCTURE IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM TO THE EXISTING GRADE, PREPARED AND SEEDED
6. ALL TEMPORARY AND PERMANENT ESC PRACTICES SHALL BE MAINTAINED AND REPAIRED AS NEEDED TO ASSURE CONTINUED PERFORMANCE OF THEIR INTENDED FUNCTION
7. ALL TEMPORARY ESC MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY BMP S ARE NO LONGER NEEDED TRAPPED SEDIMENT SHALL BE REMOVED OR STABILIZED ON SITE DISTURBED SOIL AREAS RESULTING FROM REMOVAL SHALL BE PERMANENTLY STABILIZED

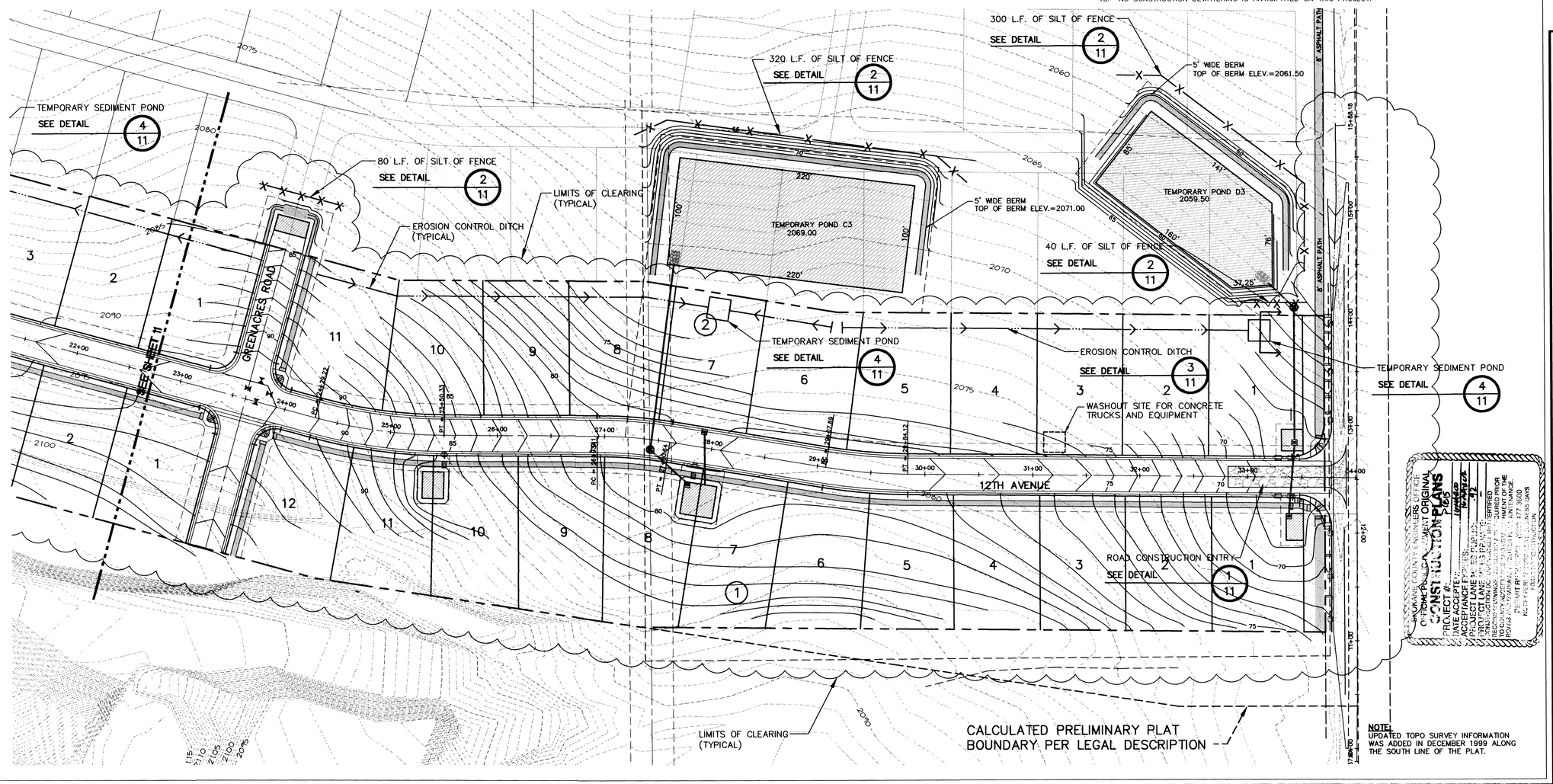
COUNTY DATUM

BASED ON FOUND B M NO 62
PER SPOKANE VALLEY INTERCEPTOR
PLANS, CONSTRUCTION PACKAGE NO V,
SHEET 15 OF 20 BY BOVAY ENGINEERS INC
ELEVATION=2032 21

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
456·8000
CALL TWO BUSINESS DAYS BEFORE YOU DIG

EROSION & SEDIMENTATION CONTROL GENERAL NOTES

1. AN EROSION/SEDIMENTATION CONTROL (ESC) ~~PLAN IS REQUIRED~~ FOR THIS PROJECT IMPLEMENTATION OF THE ESC PLAN AND CONSTRUCTION ~~MAINTENANCE AND~~ UPGRADING OF THE ESC FACILITIES ARE THE RESPONSIBILITY OF THE DEVELOPER UNTIL ALL CONSTRUCTION IS COMPLETED AND ACCEPTED BY SPOKANE COUNTY, OR UNTIL VEGETATION IS ESTABLISHED THROUGHOUT THE SITE AND ACCEPTED BY SPOKANE COUNTY, WHICHEVER IS LATER THE EXISTING SITE VEGETATION CONSISTS PREDOMINANTLY OF DRYLAND GRASS
2. APPROVAL OF THE ESC PLAN DOES NOT CONSTITUTE APPROVAL OF ANY OF THE PROPOSED ROAD STORM DRAINAGE GRADING OR UTILITY DESIGN ELEMENTS SHOWN ON THE ESC PLAN
3. THE EROSION/SEDIMENTATION CONTROL MEASURES SHOWN ARE THE MINIMUM REQUIREMENTS FOR THE ANTICIPATED SITE CONDITIONS THE CONTRACTOR SHALL INSPECT AND MAINTAIN THESE ESC MEASURES DAILY AND SHALL MAINTAIN AND UPGRADE THESE MEASURES AS NECESSARY TO PREVENT SEDIMENT-LADEN WATER FROM EITHER FLOWING OFF SITE, OR INTO NEW/EXISTING STORM DRAINAGE FACILITIES SUCH AS DRYWELLS CULVERTS, OR GRAVEL GALLERIES
4. THE CONTRACTOR/DEVELOPER IS RESPONSIBLE FOR INSTALLING ROCK CONSTRUCTION ENTRIES AT ANY AND ALL LOCATIONS USED TO ENTER OR EXIT THE PROJECT SITE SEE DETAIL 1/11
5. NO STOCKPILING OF MATERIAL ON-SITE IS ANTICIPATED
6. ANY DISTURBED AREAS WHICH WOULD BE LEFT BARE AND ARE NOT INTENDED TO BE REWORKED WITHIN 30-45 DAYS SHALL BE SEEDED WITH A FAST STARTING NATIVE DRYLAND GRASS SEE SEED MIX REQUIREMENTS
7. FILTER FABRIC SHALL BE INSTALLED UNDER THE GRATES OF ALL CATCH BASINS AND DRYWELLS UNTIL ROAD CONSTRUCTION IS COMPLETED AND VEGETATION IS ESTABLISHED IN THE PONDS
8. CONTACT PERSON TAYLOR ENGINEERING, (509) 328-3371, DARIN MOORE
9. THE CONTRACTOR IS RESPONSIBLE FOR CONTROL OF ALL ON-SITE POLLUTANTS OTHER THAN SEDIMENT IN A MANNER THAT DOES NOT CAUSE CONTAMINATION OF STORMWATER OR GROUNDWATER
10. NO CONSTRUCTION DEWATERING IS ANTICIPATED ON THIS PROJECT.



NOTE:
UPDATED TOPO SURVEY INFORMATION WAS ADDED IN DECEMBER 1999 ALONG THE SOUTH LINE OF THE PLAT.

NO	DATE	BY	REVISION

SCALE 1"=50' (FEET) 50 0 25 50 100

EXPIRES 9/21/01

TURTLE CREEK SOUTH, PHASE I
STREET
EROSION AND SEDIMENT CONTROL PLAN
DEVELOPER APPROVAL DATE

DATE: 12/21/99 DESIGNED BY: MBZ
DRAWN BY: MJH, TTB CHECKED BY: TAS
FILE NAME: EROSION

INLAND PACIFIC ENGINEERING
707 West 7th - Suite 200 (509) 458-6840
Spokane, WA 99204 FAX: (509) 458-6841

SHEET 10 OF 14
PROJECT NO: 98617

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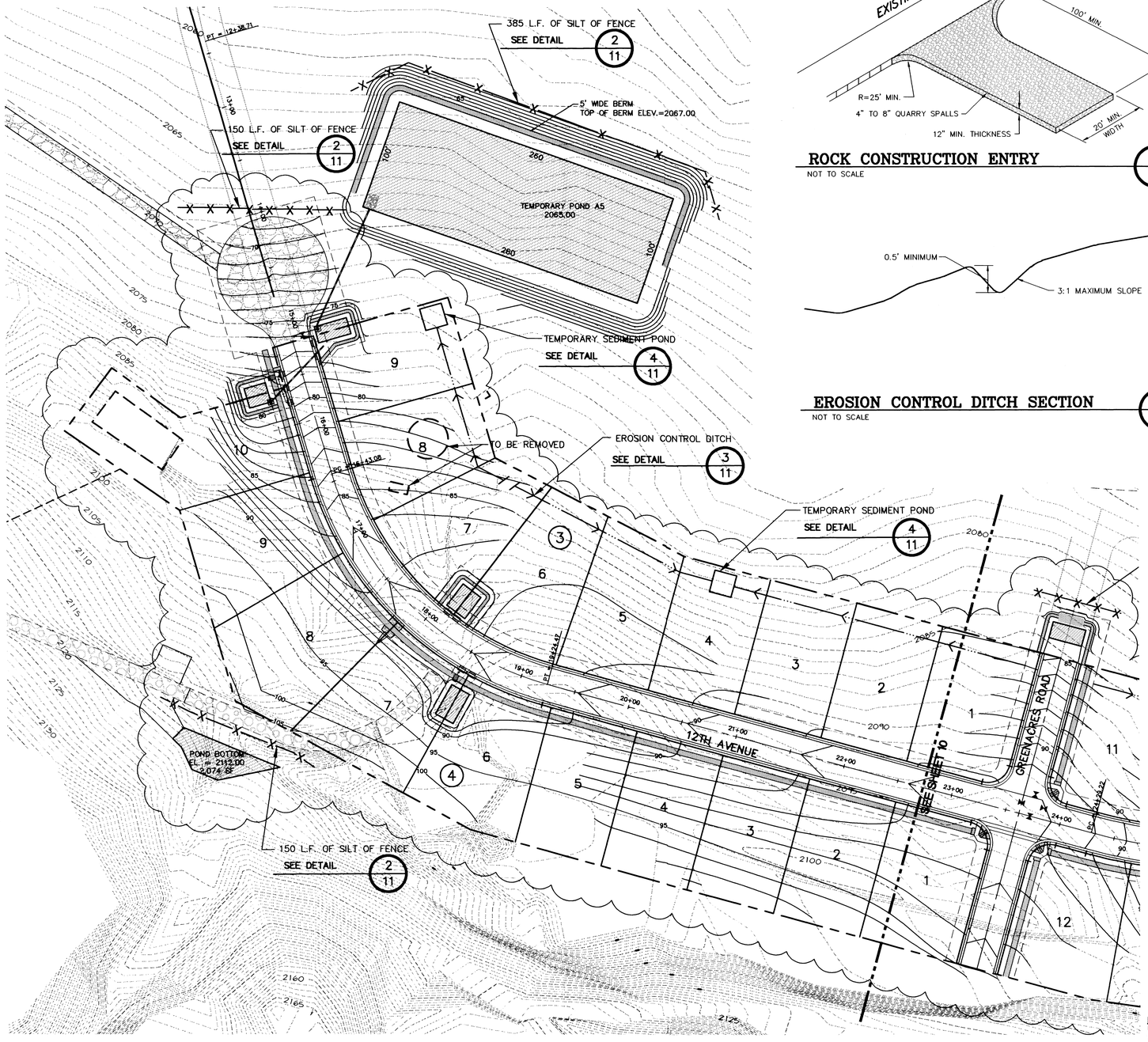
EROSION AND SEDIMENT CONTROL PLAN
FOR
TURTLE CREEK SOUTH, PHASE I

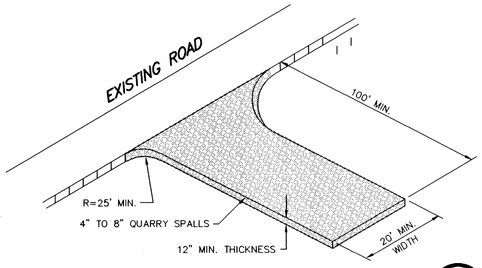
A PORTION OF THE SE 1/4 OF
SEC. 19, T.25 N., R.45 E.,W.M.

COUNTY DATUM
BASED ON FOUND B.M. NO. 62
PER SPOKANE VALLEY INTERCEPTOR
PLANS, CONSTRUCTION PACKAGE NO. V,
SHEET 15 OF 20, BY BOVAY ENGINEERS, INC
ELEVATION=2032.21

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
456·8000
CALL TWO BUSINESS DAYS BEFORE YOU DIG

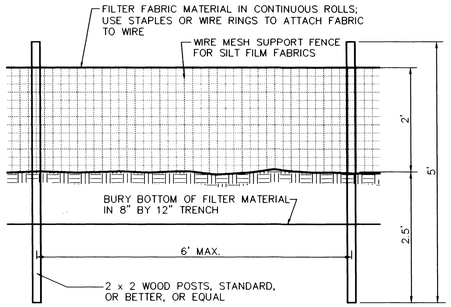
CERTIFICATION STATEMENT
THIS ESC PLAN CONFORMS TO THE ESC PLAN REQUIREMENTS AS LISTED IN CHAPTER 4.5 OF THE GUIDELINES FOR STORMWATER MANAGEMENT.



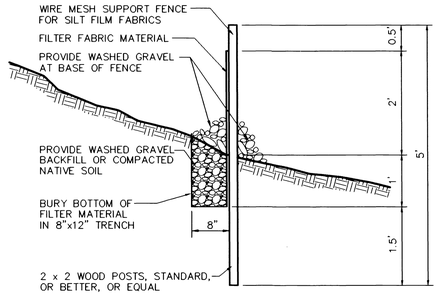


ROCK CONSTRUCTION ENTRY 1/11
NOT TO SCALE

EROSION CONTROL DITCH SECTION 3/11
NOT TO SCALE

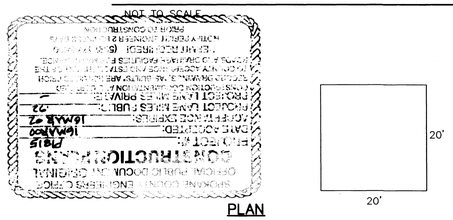


ELEVATION

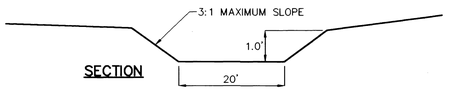


SECTION

SILT FENCE DETAIL 2/11
NOT TO SCALE



PLAN



SECTION

TEMPORARY SEDIMENTATION PONDS 4/11
NOT TO SCALE

NOTE:
UPDATED TOPO SURVEY INFORMATION WAS ADDED IN DECEMBER 1999 ALONG THE SOUTH LINE OF THE PLAT.

NO.	DATE	BY	REVISION

SCALE: 1"=50' (FEET) 50 0 25 50 100

TIMOTHY A. SCHAW
STATE OF WASHINGTON
22916
REGISTERED
PROFESSIONAL ENGINEER
EXPIRES 9/21/01

TURTLE CREEK SOUTH, PHASE I
STREET
EROSION AND SEDIMENT CONTROL PLAN
DEVELOPER'S APPROVAL

DATE: 12/21/99 | DESIGNED BY: MBZ
DRAWN BY: MLH, TTB | CHECKED BY: TAS
FILE NAME: EROSION

INLAND PACIFIC ENGINEERING
707 West 7th • Suite 200 (509) 458-6840
Spokane, WA 99204 FAX: (509) 458-6844

SHEET 11 OF 14
PROJECT NO: 98617

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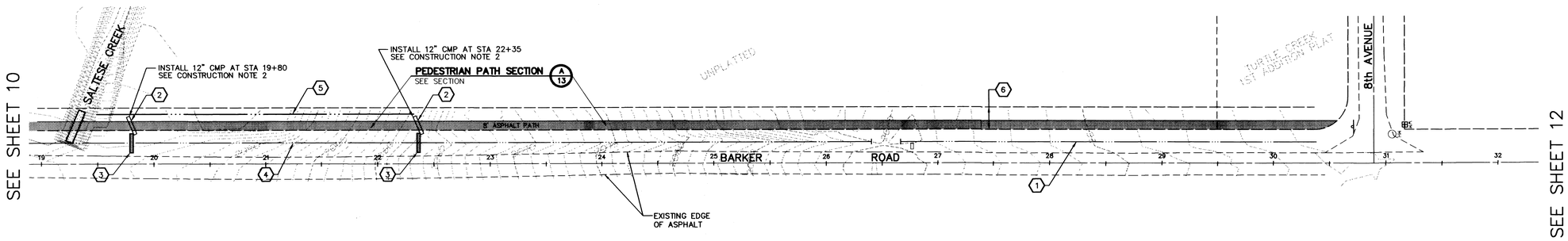
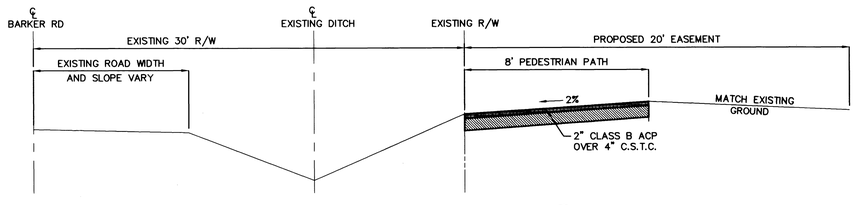
SEC. 18 & 19, T.25 N., R.45 E.,W.M.
SPOKANE COUNTY, WASHINGTON

COUNTY DATUM
BASED ON FOUND B.M NO 62
PER SPOKANE VALLEY INTERCEPTOR
PLANS, CONSTRUCTION PACKAGE NO V,
SHEET 15 OF 20, BY BOVAY ENGINEERS, INC
ELEVATION=2032 21

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
456·8000
CALL TWO BUSINESS DAYS
BEFORE YOU DIG





TYPICAL PEDESTRIAN PATH – STA. 15+25 TO STA. 30+50 A 13
SEE SECTION

CONSTRUCTION NOTES:

1. CONSTRUCT 4' WIDE '208' SWALE WITH 6" HIGH CHECK DAMS EVERY 40' BETWEEN PED PATH AND EXISTING BARKER ROAD FROM STA 26+65 TO STA 30+40 ENSURE BOTTOM OF SWALES AND TOP OF CHECK DAM IS SUCH THAT STORM WATER DOES NOT FLOW BACK OUT ONTO BARKER ROAD SEED WITH DRY LAND SEED MIX
2. INSTALL 18 L.F OF 12" CMP UNDER PED PATH PLACE CULVERT TO ENSURE A MINIMUM OF 1' OF COVER UNDER PED PATH WITH MIN 0.5% SLOPE I.E OF CULVERT END ADJACENT TO ROADWAY TO BE PLACED 6" ABOVE BOTTOM OF DITCH
3. PLACE BERM IN SWALE TO DIRECT STORM WATER INTO CULVERT UNDER PED PATH
4. CONSTRUCT 4' WIDE '208' SWALE WITH 6" HIGH CHECK DAMS EVERY 15' BETWEEN PED PATH AND EXISTING BARKER ROAD FROM STA 19+80 TO STA 26+40 ENSURE BOTTOM OF SWALES AND TOP OF CHECK DAM IS SUCH THAT STORM WATER DOES NOT FLOW BACK OUT ONTO BARKER ROAD SEED WITH DRY LAND SEED MIX
5. CONSTRUCT DITCH WITHIN EASEMENT TO DIRECT STORMWATER TO SALTESE CREEK MIN 1' DEPTH AT 3:1 SIDESLOPES
6. PROPOSED 20' EASEMENT

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLAN
PROJECT #: P1615
DATE ACCEPTED: 6-14-00
ACCEPTANCE EXPIRES: 6-14-02
PROJECT LENGTH MILES PUBLIC: .42
MILES PRIVATE: 0
DOCUMENTATION MAY BE REQUIRED
AS-BUILTS ARE REQUIRED PRIOR
TO COUNTY ACCEPTANCE AND REIMBURSEMENT OF THE
HOA TO ZONE DRAINAGE FACILITIES FOR MAINTENANCE
PERMIT REQUIRED (509) 477-7600
ENTER PERMIT ENGINEER TO ISSUE PERMITS
PRIOR TO CONSTRUCTION

NO	DATE	BY	REVISION

SCALE 1"=50'
50 25 0 50 100 (FEET)

TIMOTHY A. SCHMIDT
STATE OF WASHINGTON
22916
REGISTERED
PROFESSIONAL ENGINEER
5/14/99
EXPIRES 9/21/01

TURTLE CREEK SOUTH, PHASE I

PEDESTRIAN PATH
BARKER ROAD

DATE 12/21/99 | DESIGNED BY MZ
DRAWN BY SAM, TTB | CHECKED BY MZ
FILE NAME PATH2.DWG

DEVELOPER'S APPROVAL DATE

INLAND PACIFIC ENGINEERING
707 West 7th - Suite 200 (509) 458-6840
Spokane, WA 99204 FAX: (509) 458-6844

SHEET 13 OF 14
PROJECT NO 98617

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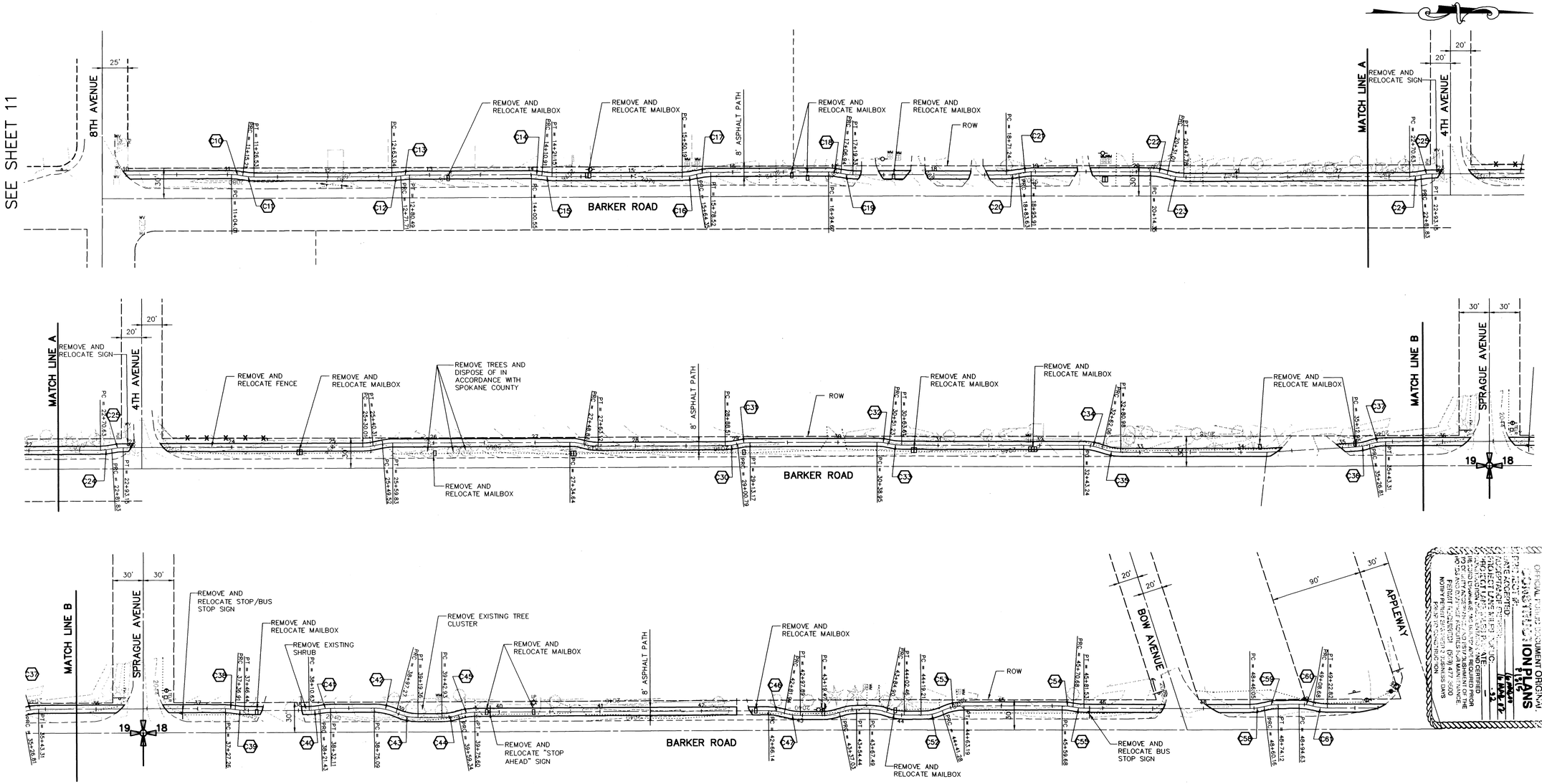
SEC. 18 & 19, T.25 N., R.45 E.,W.M.
SPOKANE COUNTY, WASHINGTON

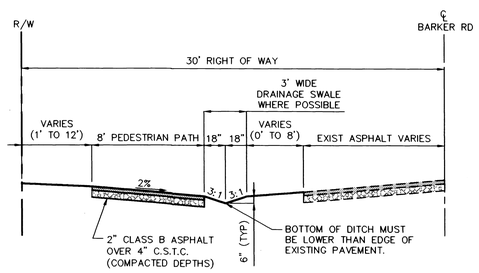
COUNTY DATUM
BASED ON FOUND B.M. NO. 62
PER SPOKANE VALLEY INTERCEPTOR
PLANS, CONSTRUCTION PACKAGE NO. V,
SHEET 15 OF 20, BY BOVAY ENGINEERS, INC
ELEVATION=2032.21

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
456·8000
CALL TWO BUSINESS DAYS BEFORE YOU DIG



CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA
C10	50.00'	11.20'	5.63'	11.18'	12°50'20"
C11	50.00'	11.32'	5.68'	11.29'	12°58'00"
C12	50.00'	8.67'	4.35'	8.66'	09°56'12"
C13	50.00'	8.78'	4.40'	8.77'	10°03'53"
C14	50.00'	10.35'	5.19'	10.33'	11°51'48"
C15	50.00'	10.24'	5.14'	10.22'	11°44'08"
C16	50.00'	14.16'	7.13'	14.12'	16°13'54"
C17	50.00'	14.16'	7.13'	14.12'	16°13'54"
C18	50.00'	12.28'	6.17'	12.25'	14°04'13"
C19	50.00'	12.39'	6.23'	12.36'	14°11'53"
C20	50.00'	12.39'	6.23'	12.36'	14°11'53"
C21	50.00'	12.28'	6.17'	12.25'	14°04'13"
C22	50.00'	16.66'	8.41'	16.58'	19°05'29"
C23	50.00'	16.77'	8.47'	16.69'	19°13'09"
C24	50.00'	11.20'	5.63'	11.18'	12°50'20"
C25	50.00'	11.32'	5.68'	11.29'	12°58'00"
C30	50.00'	12.28'	6.17'	12.25'	14°04'12"
C31	50.00'	12.38'	6.22'	12.35'	14°11'18"
C32	50.00'	12.28'	6.17'	12.25'	14°04'12"
C33	50.00'	12.38'	6.22'	12.35'	14°11'18"
C34	50.00'	18.82'	9.52'	18.71'	21°33'55"
C35	50.00'	18.92'	9.58'	18.81'	21°41'01"

CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA
C36	50.00'	13.85'	6.97'	13.81'	15°52'28"
C37	50.00'	16.50'	8.33'	16.43'	18°54'34"
C38	50.00'	9.66'	4.84'	9.64'	11°03'50"
C39	50.00'	9.53'	4.78'	9.51'	10°55'02"
C40	50.00'	10.80'	5.42'	10.78'	12°22'17"
C41	50.00'	10.68'	5.36'	10.66'	12°14'31"
C42	50.00'	22.18'	11.28'	22.00'	25°25'04"
C43	50.00'	22.09'	11.23'	21.91'	25°18'54"
C44	50.00'	16.41'	8.28'	16.34'	18°48'29"
C45	50.00'	16.26'	8.20'	16.18'	18°37'38"
C46	50.00'	15.80'	7.96'	15.73'	18°06'02"
C47	50.00'	15.95'	8.05'	15.89'	18°16'53"
C48	50.00'	17.57'	8.87'	17.48'	20°07'48"
C49	50.00'	17.41'	8.79'	17.32'	19°56'56"
C50	50.00'	17.41'	8.79'	17.32'	19°56'56"
C51	50.00'	17.57'	8.87'	17.48'	20°07'48"
C52	50.00'	22.07'	11.22'	21.89'	25°17'19"
C53	50.00'	21.91'	11.13'	21.74'	25°06'27"
C54	50.00'	11.01'	5.53'	10.98'	12°36'44"
C55	50.00'	10.85'	5.45'	10.83'	12°25'52"
C58	50.00'	14.12'	7.10'	14.07'	16°10'29"
C59	50.00'	13.96'	7.02'	13.91'	15°59'37"
C60	50.00'	14.05'	7.07'	14.00'	16°06'03"
C61	50.00'	14.14'	7.12'	14.09'	16°12'13"



TYPICAL PEDESTRIAN PATH SECTION (A/14)

NOT TO SCALE

NOTE:
DESIGN AND APPROVAL FOR CONSTRUCTION OF THE PEDESTRIAN PATH TO BE COMPLETED UNDER THE TURTLE CREEK SOUTH PHASE 1 PROJECT. HOWEVER, PER AGREEMENT WITH THE COUNTY, THE PEDESTRIAN PATH NORTH OF 8TH AVENUE TO APPLEWAY WILL BE CONSTRUCTED AS PART OF EITHER THE TURTLE CREEK SOUTH PHASE 2 PROJECT OR TURTLE CREEK PHASE 3 PROJECT, WHICHEVER COMES FIRST.

NOTE:
SWALE ONLY TO BE CONSTRUCTED WHERE PATH IS SEPARATED FROM EXISTING EDGE OF ASPHALT BY 3 FEET OR MORE. VERTICAL ALIGNMENT OF PATH IS INDEPENDANT OF ROADWAY ALIGNMENT. PATH SHALL FOLLOW EXISTING GROUN IN ORDER TO MINIMIZE IMPACT TO ADJACENT FENCES AND LANDSCAPING.

NO.	DATE	BY	REVISION

SCALE: 1"=50' (FEET 50 0 25 50 100)

TIMOTHY A. SCHMAN, STATE OF WASHINGTON, 22916, REGISTERED PROFESSIONAL ENGINEER
EXPIRES 9/21/01

TURTLE CREEK SOUTH, PHASE I
PEDESTRIAN PATH
BARKER ROAD

DATE: 12/21/99 | DESIGNED BY: MZ
DRAWN: SMM | CHECKED BY: MZ
FILE NAME: PATH1.DWG

DEVELOPER'S APPROVAL — DATE

INLAND PACIFIC ENGINEERING
707 West 7th · Suite 200 (509) 458-6840
Spokane, WA 99204 FAX: (509) 458-6844

SHEET 14 OF 14
PROJECT NO: 98617

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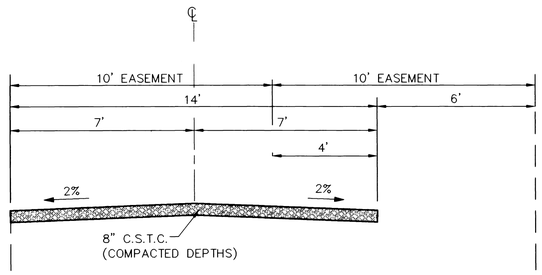
ACCESS PLAN
FOR
TURTLE CREEK SOUTH, PHASE 1

A PORTION OF THE SE 1/4 OF
SEC. 19, T.25 N., R.45 E.,W.M.

COUNTY DATUM
BASED ON FOUND B.M. NO. 62
PER SPOKANE VALLEY INTERCEPTOR
PLANS, CONSTRUCTION PACKAGE NO. V,
SHEET 15 OF 20, BY BOVAY ENGINEERS, INC
ELEVATION=2032.21

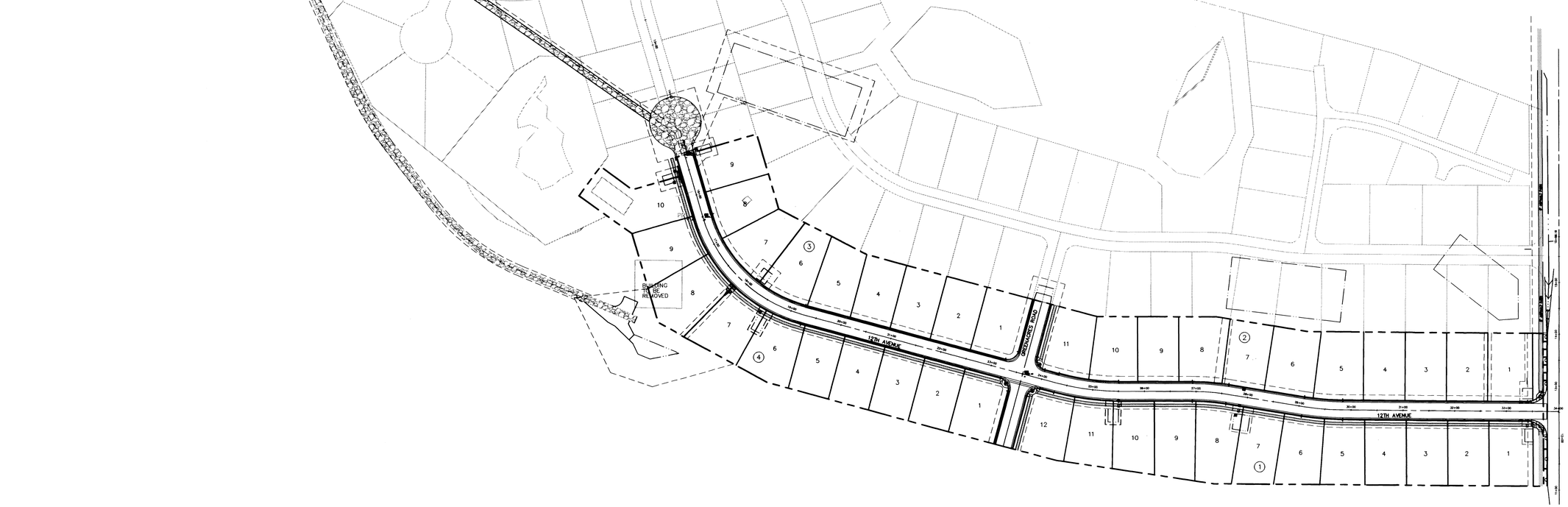
UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
456-8000
CALL TWO BUSINESS DAYS BEFORE YOU DIG



TYPICAL GRAVEL ACCESS ROAD CROSS-SECTION

NOT TO SCALE

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: 98617
DATE ACCEPTED: 16 MAR 00
ACCEPTANCE EXPIRES: 16 MAR 02
PROJECT LANE MILES PUBLIC: .12
PROJECT LANE MILES PRIVATE: -
CONSTRUCTION DOCUMENTATION AND CERTIFIED "RECORD DRAWINGS, "AS BUILTS" ARE REQUIRED PRIOR TO COUNTY ACCEPTANCE AND ESTABLISHMENT OF THE ROADS AND DRAINAGE FACILITIES FOR MAINTENANCE.
PERMIT REQUIRED! (SCD) 477-3600
NOTIFY PERMIT ENGINEER 2 BUSINESS DAYS PRIOR TO CONSTRUCTION



NO	DATE	BY	REVISION

SCALE 1"=100' (FEET) 100 0 50 100 200

OFFICE 9/21/01

TURTLE CREEK SOUTH, PHASE 1
TEMPORARY POND ACCESS PLAN

DEVELOPER'S APPROVAL — DATE

FILE NAME: ACCESS | DRAWN BY: MJP | DATE: 09/09/99 | DESIGNED BY: MBZ | CHECKED BY: TAS

INLAND PACIFIC ENGINEERING
707 West 7th - Suite 200 (509) 458-6840
Spokane, WA 99204 FAX (509) 458-6844

SHEET 14A OF 14
PROJECT NO 98617

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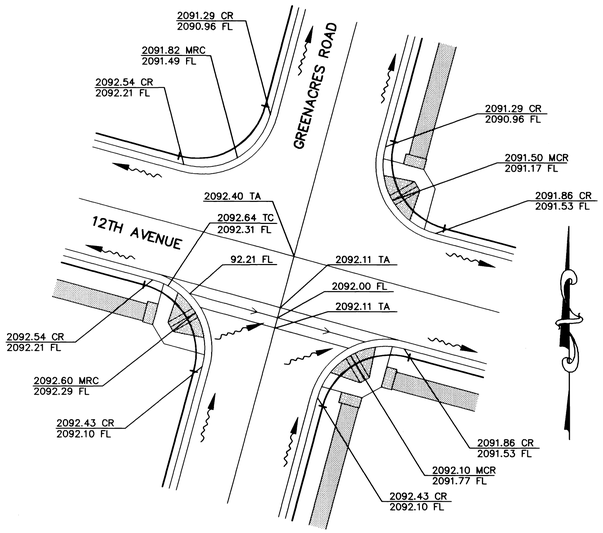
SEC. 19, T.25 N., R.45 E.,W.M.
SPOKANE COUNTY, WASHINGTON

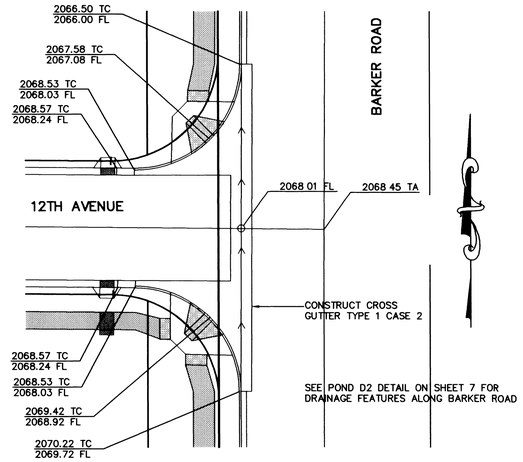
COUNTY DATUM
BASED ON FOUND B M NO 62
PER SPOKANE VALLEY INTERCEPTOR
PLANS, CONSTRUCTION PACKAGE NO V
SHEET 15 OF 20, BY BOVAY ENGINEERS, INC
ELEVATION=2032 21

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
456·8000
CALL TWO BUSINESS DAYS BEFORE YOU DIG



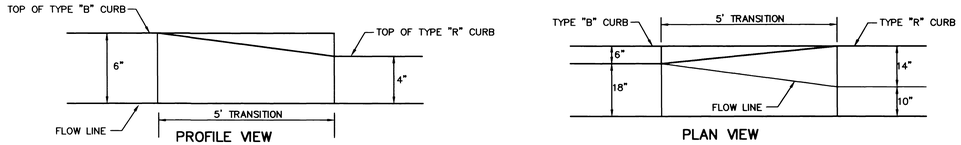
INTERSECTION DETAIL
1 =20

1/5



INTERSECTION DETAIL
1 =20

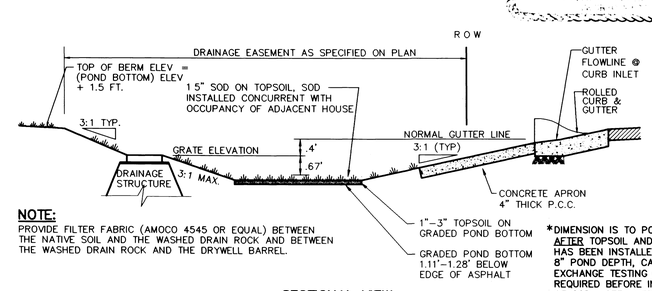
2/5



CURB TRANSITION DETAIL
TYPE "B" CURB TO TYPE "R" CURB

NOT TO SCALE

3/5

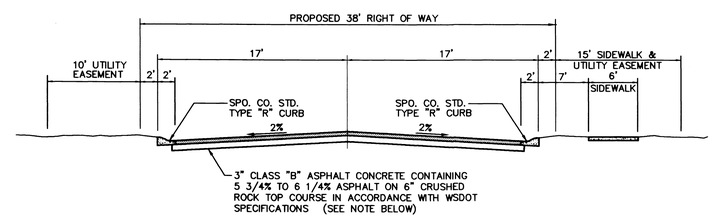


NOTE:
PROVIDE FILTER FABRIC (AMOCO 4545 OR EQUAL) BETWEEN THE NATIVE SOIL AND THE WASHED DRAIN ROCK AND BETWEEN THE WASHED DRAIN ROCK AND THE DRYWELL BARREL.

*DIMENSION IS TO POND BOTTOM AFTER TOPSOIL AND SOD HAS BEEN INSTALLED. DUE TO 8" POND DEPTH, CATION EXCHANGE TESTING OF SOIL IS REQUIRED BEFORE INSTALLATION OF SOD. SEE NOTE #'S 17 AND 18, COVER SHEET.

SECTIONAL VIEW

TYPICAL '208' POND WITH DRAINAGE STRUCTURE
NOT TO SCALE



TYPICAL ROAD CROSS SECTION
NOT TO SCALE

NOTE 12TH AVENUE FROM THE PLAT BOUNDARY STA 15+19 54 TO STA 17+00 WILL REQUIRE AN ADDITIONAL 1" OF ASPHALT FOR A SECTION CONSISTING OF 4" OF CLASS "B" ASPHALT OVER 6" OF C S T C (COMPACTED DEPTHS)

NO	DATE	BY	REVISION

SCALE 1"=20' (FEET) 20 0 10 20 40

TIMOTHY A SCHM... STATE OF WASHINGTON 22916 REGISTERED PROFESSIONAL ENGINEER 5/14/99

EXPIRES 9/21/01

TURTLE CREEK SOUTH, PHASE I

STREET DETAILS

DATE 10/12/99 | DESIGNED BY MBZ
DRAWN BY MLH,TTB | CHECKED BY TAS
FILE NAME DETAILS

INLAND PACIFIC ENGINEERING
707 West 7th - Suite 200 (509) 458-6840
Spokane, WA 99204 FAX (509) 458-6844

SHEET 5 OF 14
PROJECT NO 98617

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COVER SHEET
FOR
TURTLE CREEK SOUTH, PHASE I
STREET PLANS

A PORTION OF THE SE 1/4 OF SEC. 19, T.25 N., R.45 E.,W.M.

GENERAL NOTES – CIVIL SITE PLAN

1 UNLESS SPECIFICALLY EXCEPTED IN THE PLANS OR CONTRACT DOCUMENTS ALL CONSTRUCTION METHODS AND MATERIALS SHALL BE IN ACCORDANCE WITH STANDARD SPECIFICATIONS AND STANDARD PLANS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION PROMULGATED BY THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION AND THE WASHINGTON CHAPTER OF THE AMERICAN PUBLIC WORKS ASSOCIATION, (LATEST EDITION)

2 THE PLANS ARE SCHEMATIC AND ARE NOT INTENDED TO DEPICT ALL DETAILS OF THE WORK REQUIRED THE CONTRACTOR SHALL BE RESPONSIBLE TO FAMILIARIZE HIMSELF WITH ACTUAL SITE CONDITIONS REQUIREMENTS AND FACTORS AFFECTING THE WORK WHERE LACK OF DETAIL OR CONFLICTS EXISTS BETWEEN THESE AND OTHER PLANS, THE CONTRACTOR SHALL NOTIFY THE OWNER TO RESOLVE THE ISSUE PRIOR TO PROCEEDING

3 EXCAVATION AND EMBANKMENT SHALL BE IN ACCORDANCE WITH APPLICABLE REQUIREMENTS OF SECTION 2-03 OF THE STANDARD SPECIFICATIONS ALL COMPACTION SHALL BE IN ACCORDANCE WITH SECTION 2-03 3(14)C, METHOD C FOR BUILDING PADS, METHOD B FOR OTHER AREAS

4 THIS PLAN MAY NOT SHOW ALL EXISTING UTILITIES EXISTING UTILITY LOCATIONS SHOWN ARE APPROXIMATE PRIOR TO CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR LOCATING UNDERGROUND UTILITIES CALL THE UNDERGROUND UTILITY LOCATION SERVICE AT 456-8000 BEFORE YOU DIG

5 NO QUANTITIES HAVE BEEN CALCULATED TO DETERMINE VOLUMES OF EXCAVATION AND EMBANKMENT ON THIS PROJECT THE CONTRACTOR SHALL WORK WITH THE OWNER TO IDENTIFY ONSITE BORROW SITES OR WASTE SITES WHICH MAY BE REQUIRED

6 DUST CONTROL AN APPROVED METHOD OF DUST CONTROL, MEETING THE REQUIREMENTS OF LOCAL REGULATIONS SHALL BE UTILIZED DURING THIS PROJECT THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY MATERIALS WHICH SPILL ONTO LOCAL STREETS DURING THE TRANSPORTATION OF THE EQUIPMENT SHOULD A SPILL OCCUR, THE CONTRACTOR SHALL REMOVE THE MATERIAL, BY THE END OF THE WORK DAY NO MATERIAL SHALL BE ALLOWED TO SET, DRY OR BE WASHED INTO ADJACENT STORMWATER FACILITIES

7 FOR CONSTRUCTION OF DRYWELLS, INSTALL FILTER FABRIC (AMOCO 4545 OR APPROVED EQUIVALENT) BETWEEN THE DRYWELL BARREL AND THE WASHED DRAINROCK, AND BETWEEN THE WASHED DRAINROCK AND THE NATIVE SOILS

8 THE CONTRACTOR IS REQUIRED TO HAVE A COMPLETE SET OF THE APPROVED STREET AND DRAINAGE PLANS, AND THE EROSION CONTROL PLANS ON THE JOB WHENEVER CONSTRUCTION IS IN PROGRESS

9 THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS

10 POND BOTTOM ELEVATIONS SHOWN ON THESE PLANS ARE FINISHED GRADE CONTRACTOR SHALL ROUGH GRADE ALL PONDS TO 0 2' BELOW ELEVATIONS SHOWN TO ALLOW FOR FINAL PLACEMENT OF SOD, OR ESTABLISHMENT OF DRYLAND GRASS

11 IT IS ANTICIPATED THAT THERE WILL BE NO EXCESS EXCAVATED SOIL WHICH WILL BE STOCKPILED ON SITE

12 THE CONTRACTOR SHALL PROTECT ALL CATCH BASINS, DRYWELLS, AND OTHER STORM DRAINAGE STRUCTURES FROM BEING CONTAMINATED WITH SILT BY INSTALLING FILTER FABRIC OVER THE METAL FRAME DURING CONSTRUCTION AND KEEPING IT IN PLACE UNTIL THE STREETS HAVE BEEN PAVED AND CLEANED AND OFF ROAD AREAS ARE ESTABLISHED WITH VEGETATION

13 CUT SLOPES IN SOLID ROCK SHALL NOT EXCEED 1/2 1 (HORIZONTAL VERTICAL), AND SOIL CUT SLOPES SHALL NOT EXCEED 2 1 (HORIZONTAL VERTICAL), EXCEPT AS SHOWN OTHERWISE IN THE PLANS

14 FOR WORK ASSOCIATED WITH SPOKANE COUNTY ROADS, ALL WORK AND MATERIALS SHALL BE IN CONFORMANCE WITH THE "SPOKANE COUNTY STANDARDS FOR ROAD AND SEWER CONSTRUCTION" 1995, AND AS AMENDED

15 FILL SLOPES ACROSS THE PROPERTY SHOULD BE DESIGNED FOR A MAXIMUM SLOPE OF 2 1 (HORIZONTAL VERTICAL), EXCEPT AS SHOWN OTHERWISE IN THE PLANS

16 THE CONTRACTOR SHALL EMPLOY A LICENSED SURVEYOR TO VERIFY THAT THE CROSS-GUTTER FORMS ARE AT THE CORRECT PLANE GRADE PRIOR TO CONCRETE PLACEMENT THE CROSS-GUTTERS SHALL BE CONSTRUCTED PRIOR TO PAVING, AND THE PAVEMENT SHALL THEN MATCH THE EDGE OF CONCRETE GUTTER

17 IN SITUATIONS WHERE AVERAGE SWALE DEPTHS OF GREATER THAN 6 INCHES ARE ALLOWED, SOIL TESTS SHALL BE REQUIRED TO INSURE THAT THE SOIL IS CAPABLE OF ASSIMILATING THE CONTAMINANTS IN RUNOFF AND WILL PERCOLATE THE RUNOFF AT AN ACCEPTABLE RATE, PER SPOKANE COUNTY STANDARDS

18 SOIL TESTS ARE REQUIRED IN ALL PONDS EXCEPT TEMPORARY OFFSITE POND A5, C3 & D3 WHERE SOIL TESTS ARE REQUIRED, ONE (1) TEST EACH FOR CATION EXCHANGE CAPACITY AND SOIL ORGANIC MATTER SHALL BE PERFORMED FOR EACH GRASSED PERCOLATION AREA 1500 S F OR LESS AN ADDITIONAL SET OF TESTS MAY BE REQUIRED FOR EACH ADDITIONAL 2,000 S F OR FRACTION THEREOF TESTS SHALL BE PERFORMED ON A WELL-MIXED COMPOSITE SAMPLE CONSISTING OF THE TOP SIX (6) INCHES OF SOIL FROM AT LEAST FOUR (4) CORES UNIFORMLY DISTRIBUTED OVER THE PERCOLATION AREA IF THE AVERAGE CATION EXCHANGE CAPACITY IS 15 MILLEQUIVALENTS/100 g OR MORE OR THE SOIL IS 2% ORGANIC MATTER OR MORE, THE SOIL WILL BE CONSIDERED SUITABLE FOR STORMWATER TREATMENT

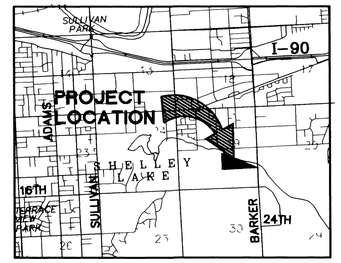
TABLE OF CONTENTS

COVER SHEET	SHEET 1
12TH AVENUE	SHEET 2, 3
GREENACRES ROAD-	-SHEET 4
DETAILS-	-SHEET 5
POND DETAILS-	-SHEET 6, 7, 8, 9
EROSION AND SEDIMENT CONTROL	SHEET 10, 11
BARKER ROAD	SHEET 12
PEDESTRIAN PATH-	-SHEET 13, 14
TEMP. POND ACCESS	SHEET 14A

COUNTY DATUM

BASED ON FOUND B M NO 62
PER SPOKANE VALLEY INTERCEPTOR
PLANS, CONSTRUCTION PACKAGE NO V,
SHEET 15 OF 20, BY BOVAY ENGINEERS, INC
ELEVATION=2032 21

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
456·8000
CALL TWO BUSINESS DAYS BEFORE YOU DIG



LEGEND

EXISTING	GENERAL	PROPOSED
	ROADWAY CENTER LINE	
	SECTION LINE	
	RIGHT OF WAY LINE	
	PROPERTY LINE	
	EASEMENT LINE	
x x	FENCE	x x
	CURB	
	SANITARY SEWER	
	SANITARY SEWER	
	MANHOLE	
	CLEANOUT	
	SEWER SERVICE	
	WATER	
	WATER LINE	
	VALVE	
FH	FIRE HYDRANT	
WS	SERVICE	
	STORM DRAINAGE	
	DRAINAGE LINE	
	MANHOLE	MH
	DRYWELL	DW
	CATCH BASIN	CB
	DITCH	

NOTE:
UPDATED TOPO SURVEY INFORMATION WAS ADDED IN DECEMBER 1999 ALONG THE SOUTH LINE OF THE PLAT

THE DESIGN IMPROVEMENTS SHOWN IN THIS SET OF PLANS AND CALCULATIONS CONFORM TO APPLICABLE EDITIONS OF THE SPOKANE COUNTY STANDARDS FOR ROAD AND SEWER CONSTRUCTION AND THE SPOKANE COUNTY GUIDELINES FOR STORMWATER MANAGEMENT ALL DESIGN DEVIATIONS HAVE BEEN APPROVED BY THE SPOKANE COUNTY ENGINEER. I APPROVE THESE PLANS FOR CONSTRUCTION.

NO	DATE	BY	REVISION

SCALE 1"=100' (FEET) 100 0 50 100 200

JONATHAN A. SCHMIDT, STATE OF WASHINGTON, REGISTERED PROFESSIONAL ENGINEER, 22916, 5/14/99
EXPIRES 9/21/01

TURTLE CREEK SOUTH, PHASE I
STREET
STREET COVER
DATE 12/21/99 DESIGNED BY MBZ
DRAWN BY MLH, TTB CHECKED BY TAS
DEVELOPER & APPROVAL DATE FILE NAME STRCOV

INLAND PACIFIC ENGINEERING
707 West 7th - Suite 200 (509) 458-6840
Spokane, WA 99204 FAX (509) 458-6844

SHEET 1 OF 14
PROJECT NO 98617

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